

TECHNICAL DATA BOOK R410A

 No. M-E0680
 REVISED EDITION-B

NON-INVERTER / INVERTER / HYPER HEATING INVERTER
SINGLE-USE

<Indoor unit>

[Model names]

MS-A09/12WA

MSZ-GL09/12/15/18/24NA

MSY-GL09/12/15/18/24NA

MSZ-HM09/12/15/18/24NA

MSZ-FH06/09/12/15NA

MSZ-FH18NA2

MSZ-FE09/12NA

MSZ-D30/36NA

MSY-D30/36NA

SEZ-KD09/12/15/18NA4

SLZ-KA09/12/15NA

MFZ-KJ09/12/15/18/NA

<Outdoor unit>

[Model names]

MU-A09/12WA

MUZ-GL09/12/15/18/24NA

MUZ-GL09/12/15/18/24NAH

MUY-GL09/12/15/18/24NA

MUZ-HM09/12/15/18/24NA2

MUZ-FH06/09/12/15NA

MUZ-FH18NA2

MUZ-FH06/09/12/15NAH

MUZ-FH18NAH2

MUZ-FE09/12NAH

MUZ-D30/36NA

MUY-D30/36NA

SUZ-KA09/12/15/18NA

MUFZ-KJ09/12/15/18/NAHZ

MULTI-USE

<Outdoor unit>

[Model names]

MXZ-2C20NA2 MXZ-2C20NAHZ2

MXZ-3C24NA2 MXZ-3C24NAHZ2

MXZ-3C30NA2 MXZ-3C30NAHZ2

MXZ-4C36NA2 MXZ-4C36NAHZ

MXZ-5C42NA2 MXZ-5C42NAHZ

MXZ-8C48NA MXZ-8C48NAHZ

MXZ-8C60NA

<Branch box>

[Model names]

PAC-MKA51BC

PAC-MKA31BC

(Indispensable optional parts for

MXZ-8C48/8C60NA and MXZ-4C36/5C42/8C48NAHZ)

<Indoor unit>

[Model names]

MSZ-GL06NA (for MXZ connection only)

MVZ-A12/18/24/30/36AA7 (for MXZ connection only)

MSZ-EF09/12/15/18NAW (for MXZ connection only)

MSZ-EF09/12/15/18NAB

MSZ-EF09/12/15/18NAS

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MXZ-2C20NA2 MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2 MXZ-5C42NA2
MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

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MSZ-EF12NAW MSZ-EF12NAB MSZ-EF12NAS
MSZ-EF15NAW MSZ-EF15NAB MSZ-EF15NAS
MSZ-EF18NAW MSZ-EF18NAB MSZ-EF18NAS

(for MXZ connection only.)

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(for MXZ connection only.)

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A. SINGLE-USE

1 | REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. INDOOR UNIT

Model name	Service Ref.	Service Manual No.
MS-A09/12WA	MS-A09/12WA- 1	OB448C
MSZ-GL06/09/12/15/18/24NA MSY-GL09/12/15/18/24NA	MSZ-GL06*/09/12/15/18/24NA- U1 MSY-GL09/12/15/18/24NA- U1	OBH732B OBB732A
MSZ-HM09/12/15/18/24NA	MSZ-HM09/12/15/18/24NA- U1	OBH746B OBB746A
MSZ-FH06/09/12/15NA MSZ-FH18NA2	MSZ-FH06/09/12/15NA MSZ-FH18NA2	OBH683D OBB683C
MSZ-FE09/12NA	MSZ-FE09/12NA- 8	OBH542B OBB542D
MSZ-D30/36NA MSY-D30/36NA	MSZ-D30/36NA- 8 MSY-D30/36NA- 8	OBH501C OBB501B
SEZ-KD09/12/15/18NA4	SEZ-KD09/12/15/18NA4R1.TH	HWE0802B BWE1147B
SLZ-KA09/12/15NA	SLZ-KA09/12/15NAR1.TH	OCH487B OCB487B
MFZ-KJ09/12/15/18NA	MFZ-KJ09/12/15/18NA- U1	OBH752B OBB752

* For MXZ connection only.

1-2. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
MU-A09/12/WA	MU-A09WA MU-A12WA- 1	OB449A
MUZ-GL09/12/15/18/24NA MUZ-GL09/12/15/18/24NAH	MUZ-GL09NA- U1 MUZ-GL09NA- U8 MUZ-GL12/15/18/24NA- U1 MUZ-GL09NAH- U1 MUZ-GL09NAH- U8 MUZ-GL12/15/18/24NAH- U1 MUY-GL09/12/15/18/24NA- U1	OBH733D OBB733D
MUZ-HM09/12/15/18/24NA2	MUZ-HM09/12/15/18/24NA2- U1 MUZ-HM09/12NA2- U8	OBH747C OBB747B
MUZ-FH06/09/12/15NA MUZ-FH18NA2 MUZ-FH06/09/12/15NAH MUZ-FH18NAH2	MUZ-FH06/15NA MUZ-FH09/12NA- 1 MUZ-FH18NA2 MUZ-FH06/15NAH MUZ-FH09/12NAH- 1 MUZ-FH18NAH2	OBH684C OBB684B
MUZ-FE09/12NAH	MUZ-FE09/12NAH	OBH543F OBB543D
MUZ-D30/36NA MUY-D30/36NA	MUZ-D30/36NA- 1 MUY-D30/36NA- 1	OBH502D OBB502B
SUZ-KA09/12/15/18NA	SUZ-KA09/12/15/18NA.TH	OCH467C OCB467B
MUFZ-KJ09/12/15/18NAHZ	MUFZ-KJ09/12/15/18NAHZ- U1	OBH753A OBB753

2 | SPECIFICATIONS

MS-A09WA MS-A12WA

Indoor unit model			MS-A09WA	MS-A12WA
External finish			White	
Power supply	V, phase, Hz		115, 1, 60	
Disconnect switch	A		15	
Min. circuit ampacity	A		1.2	
Fan motor	F.L.A.		0.95	
Airflow	COOL	CFM	183 - 261 - 335 - 367	222 - 286 - 406 - 446
Low-Med.-High-Powerful	Dry (Wet)		(162 - 233 - 300 - 328)	(198 - 254 - 363 - 399)
Moisture removal	pt./h		2.7	3.2
Sound level	dB(A)		26 - 32 - 40 - 42	33 - 38 - 45 - 47
Low-Med.-High-Powerful				
Cond. drain connection O.D.	in.		5/8	
Dimensions	W	in.	30-11/16	
	D		8-1/4	
	H		11/-3/4	
Weight	lb.		23	
Remote controller			Wireless type	
Control voltage (by built-in transformer)			115 VAC	

NOTE : Test conditions are based on ARI 210/240

*1 : Rating conditions (cooling) — Indoor : 80°FDB, 67°FWB, Outdoor : 95°FDB, (75°FWB) Rated frequency : 60Hz

Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	67°FDB

MU-A09WA MU-A12WA

Outdoor unit model			MU-A09WA	MU-A12WA
Capacity Rated(Minimum~Maximum)	Cooling * ¹	Btu/h	9,500	12,000
Power consumption Rated(Minimum~Maximum)	Cooling * ¹	W	870	1,070
EER * ¹ [SEER] * ²	Cooling		10.9 [13.0]	11.2 [13.0]
External finish			Munsell 3Y 7.8/1.1	
Power factor	Cooling (208/230)	%	99	
Power supply	V, phase, Hz		115, 1, 60	
Max. fuse size (time delay)		A	15	20
Min. circuit ampacity		A	14	16
Fan motor		F.L.A	0.63	0.926
Compressor	Model		RN092WHDHT	
	Winding resistance (at 68°F) Ω		C-R 0.81	C-S 1.49
		R.L.A	9.30	10.82
		L.R.A	47	56
Refrigerant control			Capillary tube	
Sound level		dB(A)	47	52
Dimensions	W	in.	31-1/2	33-7/16
	D	in.	11-1/4	11-7/16
	H	in.	21-5/8	23-13/16
Weight		lb.	78	96
REMOTE CONTROLLER			Wireless type	
REFRIGERANT PIPING			Not supplied	
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	
	Gas	in.	3/8 (0.0315)	1/2 (0.0315)
Connection method	Indoor		Flared	
	Outdoor		Flared	
Between the indoor & outdoor units	Height difference	ft.	35	
	Piping length	ft.	65	
Refrigerant charge (R410A)			2lb.5oz.	3lb. 1oz.
Refrigerating oil (Model)			11.8 (0.35)/(NE022)	

NOTE : Test conditions are based on ARI 210/240.

*¹ : Rating conditions (cooling) — Indoor : 80°FDB, 67°FWB, Outdoor : 95°FDB, (75°FWB)

*² (Unit : [°F])

	Mode	Test	Indoor air condition		Outdoor air condition	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
ARI	SEER (Cooling)	"A" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		Low ambient Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		Intermediate Cooling Steady State At Intermediate compressor Speed	80	67	87	(69)

OPERATING RANGE

(1) POWER SUPPLY

	Rating	Guaranteed Voltage
Outdoor unit	115V 60Hz 1 ϕ	Min. 103V 115V Max. 127V

(2) OPERATION

Function	Intake air temperature Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	95	71	115	—
	Minimum temperature	67	57	67	—
	Maximum humidity	78%		—	

**MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA MSZ-GL18NA MSZ-GL24NA
MSY-GL09NA MSY-GL12NA MSY-GL15NA MSY-GL18NA MSY-GL24NA**

Indoor model		MSZ-GL06NA	MSZ-GL09NA MSY-GL09NA	MSZ-GL12NA MSY-GL12NA
Power supply	V, phase, Hz	208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch	A	15		
Min. circuit ampacity	A	1.0		
Fan motor	F.L.A	0.76		
Airflow Super High - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	399 - 321 - 237 - 170 - 145 (364 - 286 - 201 - 134 - 109)	
	HEAT Dry	CFM	406 - 321 - 237 - 170 - 145	
Moisture removal	pt./h	–	1.5	2.5
Sound level Super High - High - Med. - Low - Quiet	Cooling	dB(A)	43 - 37 - 30 - 22 - 19	
	Heating (MSZ)	dB(A)		
Fan speed Super High - High - Med. - Low - Quiet	Cooling	rpm	1,020 - 860 - 670 - 530 - 470	
	Heating (MSZ)	rpm	1,040 - 860 - 670 - 530 - 470	
Cond. drain connection O.D.	in.	5/8		
Dimensions	W	31-7/16		
	D	in.	9-1/8	
	H	11-5/8		
Weight	lb.	22		
External finish	Munsell 1.0Y 9.2/0.2			
Control voltage (by built-in transformer)	12 - 24 VDC			

Indoor model		MSZ-GL15NA MSY-GL15NA	MSZ-GL18NA MSY-GL18NA	MSZ-GL24NA MSY-GL24NA
Power supply	V, phase, Hz	208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch	A	15		20/15
Min. circuit ampacity	A	1.0		
Fan motor	F.L.A	0.76	0.67	0.76
Airflow Super High - High - Med. - Low - Quiet (GL15/18) Powerful - Super High - High - Med. - Low (GL24)	COOL Dry (Wet)	CFM	533 - 420 - 335 - 272 - 205 (498 - 385 - 300 - 237 - 170)	646 - 522 - 417 - 332 - 258 (581 - 470 - 375 - 299 - 232)
	HEAT Dry (MSZ)	CFM	463 - 367 - 304 - 247 - 205	646 - 565 - 469 - 385 - 297
Moisture removal	pt./h	2.7	2.1	5.1
Sound level Super High - High - Med. - Low - Quiet (GL15/18) Powerful - Super High - High - Med. - Low (GL24)	Cooling	dB(A)	49 - 44 - 38 - 32 - 26	49 - 44 - 38 - 33 - 28
	Heating (MSZ)	dB(A)	46 - 40 - 35 - 30 - 26	48 - 43 - 38 - 33 - 28
Fan speed Super High - High - Med. - Low - Quiet (GL15/18) Powerful - Super High - High - Med. - Low (GL24)	Cooling	rpm	1,280 - 1,060 - 880 - 740 - 600	1,170 - 990 - 830 - 700 - 580
	Heating (MSZ)	rpm	1,140 - 950 - 810 - 690 - 600	1,170 - 1,050 - 910 - 780 - 640
Cond. drain connection O.D.	in.	5/8		
Dimensions	W	31-7/16		43-5/16
	D	in.	9-1/8	
	H	11-5/8		12
Weight	lb.	22	28	37
External finish	Munsell 1.0Y 9.2/0.2			
Control voltage (by built-in transformer)	12 - 24 VDC			

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	<p>Min. 187 208 230 Max. 253</p>

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MSZ-GL06NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-GL09NA MSY-GL09NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-GL12NA MSY-GL12NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-GL15NA MSY-GL15NA	HEAT	Dry	463	23.4	33.5
	COOL	Dry	420	21.3	30.5
		Wet	385	19.5	28.0
MSZ-GL18NA MSY-GL18NA	HEAT	Dry	646	29.5	44.0
	COOL	Dry	646	29.5	44.0
		Wet	581	26.5	39.7
MSZ-GL24NA MSY-GL24NA	HEAT	Dry	738	18.0	36.9
	COOL	Dry	738	18.0	36.9
		Wet	661	16.1	33.2

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position. The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA

Outdoor unit model			MUZ-GL09NA- MUZ-GL09NAH- U1	MUZ-GL09NA- MUZ-GL09NAH- U8	MUY-GL09NA	MUZ-GL12NA MUZ-GL12NAH	MUY-GL12NA	
Capacity Rated (Minimum–Maximum)	Cooling *1	Btu/h	9,000 (3,600 - 12,200)			12,000 (1,500 - 13,600)		
	Heating 47 *1 (MUZ)	Btu/h	10,900 (4,500 - 15,900)	10,900 (4,500 - 14,100)	-	14,400 (2,000 - 18,100)	-	
Capacity Rated (Maximum)	Heating 17 *2 (MUZ)	Btu/h	6,700 (10,200)	7,000 (9,400)	-	9,200 (12,000)	-	
Power consumption Rated (Minimum–Maximum)	Cooling *1	W	585 (240 - 1,050)			920 (100 - 1,300)		
	Heating 47 *1 (MUZ)	W	720 (230 - 1,250)	720 (230 - 1,070)	-	1,100 (110 - 1,620)	-	
Power consumption Rated (Maximum)	Heating 17 *2 (MUZ)	W	630 (1,060)	620 (790)	-	870 (1,240)	-	
EER *1 [SEER] *3	Cooling		15.4 [24.6]			13.0 [23.1]		
HSPF IV *4	Heating (MUZ)		NA: 12.8			-	NA: 12.5	
			NAH: 11.8			-	NAH: 11.5	
COP	Heating *1 (MUZ)		4.44			-	3.84	
Power factor	Cooling (208/230)	%	86/86	92/92	87/87	95/95		
	Heating (MUZ) (208/230)	%	90/90	95/95	-	96/96		
Power supply	V , phase , Hz		208/230, 1 , 60					
Max. fuse size (time delay)	A		15					
Min. circuit ampacity	A		9			7	9	
Fan motor	F.L.A	A	0.50					
Compressor	Model		KNB073FRVMC	SNB092FQAMT	KNB073FRVMC	SNB092FQAMT		
	R.L.A	A	6.2			4.9	6.6	4.9
	L.R.A	A	7.7			6.1	8.2	6.1
	Refrigeration oil	fl oz. (L)/(Model)	9.1 (0.27)/(FV50S)	11.8 (0.35)/(FV50S)	9.1 (0.27)/(FV50S)	11.8 (0.35)/(FV50S)		
Refrigerant control	Linear expansion valve							
Sound level *1	Cooling	dB(A)	48			49	49	
	Heating (MUZ)	dB(A)	50			-	51	
Airflow High - Med. - Low	Cooling	CFM	1,102 - 639					
	Heating (MUZ)	CFM	1,186 - 1,116 - 1,045			-	1,186 - 1,116 - 1,045	-
Fan speed High - Med. - Low	Cooling	rpm	810 - 490					
	Heating (MUZ)	rpm	870 - 820 - 770			-	870 - 820 - 770	-
Defrost method	Reverse cycle							
Dimensions	W	in.	31-1/2					
	D	in.	11-1/4					
	H	in.	21-5/8					
Weight	lb.		81					
External finish	Munsell 3Y 7.8/1.1							
Remote controller	Wireless type							
Control voltage (by built-in transformer)	VDC		12 - 24					
Refrigerant piping	Not supplied							
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)					
	Gas	in.	3/8 (0.0315)					
Connection method	Indoor		Flared					
	Outdoor		Flared					
Between the indoor & outdoor units	Height difference	ft.	40					
	Piping length	ft.	65					
Refrigerant charge (R410A)	2 lb. 5 oz.			2 lb. 9 oz.				

NOTE: Test conditions are based on AHRI 210/240.
 *1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
 (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB
 *2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB
 *3: Test condition (Refer to page 12.)
 *4: Test condition (Refer to page 12.)

**MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA**

Outdoor unit model			MUZ-GL15NA MUZ-GL15NAH	MUY-GL15NA	MUZ-GL18NA MUZ-GL18NAH	MUY-GL18NA	MUZ-GL24NA MUZ-GL24NAH	MUY-GL24NA	
Capacity Rated (Minimum-Maximum)	Cooling *1	Btu/h	14,000 (3,100 - 18,200)		18,000 (5,800 ~ 22,000)		22,500 (8,200 ~ 31,400)		
	Heating 47 *1 (MUZ)	Btu/h	18,000 (4,800 - 20,900)	-	21,600 (5,400 ~ 25,000)	-	27,600 (7,500 ~ 36,900)	-	
Capacity Rated (Maximum)	Heating 17 *2 (MUZ)	Btu/h	12,200 (16,400)	-	13,800 (18,200)	-	16,000 (24,600)	-	
Power consumption Rated (Minimum-Maximum)	Cooling *1	W	1,080 (210 - 2,000)		1,295 (285 ~ 2,105)		1,742 (560 ~ 3,522)		
	Heating 47 *1 (MUZ)	W	1,600 (2,010)	-	1,635 (275 ~ 2,455)	-	2,282 (508 ~ 3,592)	-	
Power consumption Rated (Maximum)	Heating 17 *2 (MUZ)	W	1,190 (1,850)	-	1,435 (2,105)	-	1,712 (3,232)	-	
EER *1 [SEER] *3	Cooling		13.0 [21.6]		13.4 [20.5]		12.5 [20.5]		
HSPF IV *4	Heating (MUZ)		NA: 11.7	-	NA: 11.2	-	NA: 10.0	-	
			NAH: 10.8	-	NAH: 10.2	-	NAH: 10.0	-	
COP	Heating *1 (MUZ)		3.30	-	3.77	-	3.46	-	
Power factor	Cooling (208/230)	%	97/97		99/99		99/99		
	Heating (MUZ) (208/230)	%	98/98		99/99	-	99/99	-	
Power supply	V , phase , Hz		208/230, 1 , 60						
Max. fuse size (time delay)	A		15				20		
Min. circuit ampacity	A		10	9	14		17.1		
Fan motor	F.L.A		0.50		0.93		0.93		
Compressor	Model		SNB130FQBMT		SNB130FQBMT		SNB172FQKMT		
	R.L.A	A	7.4	6.8	10		12.9		
	L.R.A	A	9.3	8.5	12.5		16.1		
	Refrigeration oil	fl.oz. (L) (Model)	11.8 (0.35)/(FV50S)		11.8 (0.35)/(FV50S)	11.8 (0.35)/(FV50S)	13.5 (0.40)/(FV50S)		
Refrigerant control	Linear expansion valve								
Sound level *1	Cooling	dB(A)	49	49	54		55		
	Heating (MUZ)	dB(A)	51	-	55	-	55	-	
Airflow High - Med. - Low	COOL	CFM	1,102-639		1,742 - 922		2,016 - 1,769 - 890		
	HEAT	CFM	1,186 - 1,045 - 1,045	-	1,691 - 1,691 - 1,372	-	1,701 - 1,701 - 1,341	-	
Fan speed High - Med. - Low	Cooling	rpm	810 - 490		840 - 450		950 - 840 - 450		
	Heating (MUZ)	rpm	870 - 770 - 770	-	810 - 810 - 650	-	810 - 810 - 650	-	
Defrost method	Reverse cycle								
Dimensions	W	in.	31-1/2		33-1/16				
	D	in.	11-1/4		13				
	H	in.	21-5/8		34-5/8				
Weight	lb.	81		121		119			
External finish	Munsell 3Y 7.8/1.1								
Remote controller	Wireless type								
Control voltage (by built-in transformer)	VDC	12 - 24							
Refrigerant piping	Not supplied								
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)				3/8 (0.0315)		
	Gas	in.	1/2 (0.0315)				5/8 (0.0315)		
Connection method	Indoor	Flared							
	Outdoor	Flared							
Between the indoor & outdoor units	Height difference	ft.	40		50				
	Piping length	ft.	65		100				
Refrigerant charge (R410A)			2 lb. 9 oz.		3 lb. 9 oz.		4 lb. 3 oz.		

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)

(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Test condition

*3,*4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed *5	70	60	35	33

*5: At Intermediate compressor Speed

= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	<p>Min. 187 208 230 Max. 253</p>

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-4	-5

MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA MSZ-HM18NA MSZ-HM24NA

Indoor model			MSZ-HM09NA	MSZ-HM12NA	MSZ-HM15NA
Power supply	V, phase, Hz		208/230, 1, 60		
Max. fuse size (time delay)/ Disconnect switch	A		15		
Min. circuit ampacity	A		1.0		
Fan motor	F.L.A		0.76		
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	399 - 321 - 237 - 170 (364 - 286 - 201 - 134)		533 - 420 - 335 - 272 (498 - 385 - 300 - 237)
	HEAT Dry	CFM	406 - 321 - 237 - 170		463 - 367 - 304 - 247
Moisture removal		pt./h	1.5	2.5	2.7
Sound level Super High - High - Med. - Low	Cooling	dB(A)	43 - 37 - 30 - 22	45 - 37 - 30 - 22	49 - 44 - 38 - 32
	Heating	dB(A)	43 - 37 - 30 - 22		46 - 40 - 35 - 30
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,020 - 860 - 670 - 530		1,280 - 1,060 - 880 - 740
	Heating	rpm	1,040 - 860 - 670 - 530		1,140 - 950 - 810 - 690
Cond. drain connection O.D.		in.	5/8		
Dimensions	W		31-7/16		
	D	in.	9-1/8		
	H		11-5/8		
Weight		lb.	22		
External finish			Munsell 1.0Y 9.2/0.2		
Control voltage (by built-in transformer)			12 - 24 VDC		

NOTE: Test conditions are based on AHRI 210/240.

Indoor model			MSZ-HM18NA	MSZ-HM24NA
Power supply	V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)/ Disconnect switch	A		15	
Min. circuit ampacity	A		1.0	
Fan motor	F.L.A		0.67	
Airflow Super High - High - Med. - Low	COOL Dry (Wet)	CFM	625 - 530 - 431 - 328 (562 - 477 - 388 - 295)	
	HEAT Dry	CFM	625 - 530 - 431 - 307	
Moisture removal		pt./h	2.1	2.3
Sound level Super High - High - Med. - Low	Cooling	dB(A)	47 - 42 - 37 - 30	
	Heating	dB(A)	47 - 42 - 37 - 30	
Fan speed Super High - High - Med. - Low	Cooling	rpm	1,140 - 1,000 - 850 - 690	
	Heating	rpm	1,140 - 1,000 - 850 - 660	
Cond. drain connection O.D.		in.	5/8	
Dimensions	W		36-5/16	
	D	in.	9-13/16	
	H		12	
Weight		lb.	28	
External finish			Munsell 1.0Y 9.2/0.2	
Control voltage (by built-in transformer)			12 - 24 VDC	

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	5	4

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MSZ-HM09NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-HM12NA	HEAT	Dry	406	20.6	29.5
	COOL	Dry	321	16.3	23.5
		Wet	286	14.5	21.0
MSZ-HM15NA	HEAT	Dry	463	23.4	33.5
	COOL	Dry	420	21.3	30.5
		Wet	385	19.5	28.0
MSZ-HM18NA	HEAT	Dry	625	28.5	42.6
	COOL	Dry	625	28.5	42.6
		Wet	562	25.6	38.4
MSZ-HM24NA	HEAT	Dry	702	32.0	47.7
	COOL	Dry	702	32.0	47.7
		Wet	632	28.8	43.1

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.

The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

MUZ-HM09NA2

Outdoor unit model			MUZ-HM09NA2 - U1	MUZ-HM09NA2 - U8
Capacity Rated (Minimum-Maximum)	Cooling *1	Btu/h	9,000 (3,800 ~ 10,000)	
	Heating 47 *1	Btu/h	10,900 (4,500 ~ 11,800)	
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,700 (7,200)	
Power consumption Rated (Minimum-Maximum)	Cooling *1	W	750 (240 - 850)	750 (205 - 850)
	Heating 47 *1	W	900 (240 - 1,000)	900 (255 - 1,000)
Power consumption Rated (Maximum)	Heating 17 *2	W	700 (780)	
EER *1 [SEER] *3	Cooling		12.0 [18.0]	
HSPF IV *4	Heating		8.5	
COP	Heating *1		3.55	
Power factor	Cooling (208/230)	%	87 / 87	84 / 84
	Heating (208/230)	%	90 / 90	90 / 89
Power supply	V , phase , Hz		208/230 , 1 , 60	
Max. fuse size (time delay)	A		15	
Min. circuit ampacity	A		9	12
Fan motor	F.L.A	A	0.50	
Compressor	Model		KNB073FRVMC	KNB073FQDHC
	R.L.A	A	6.2	6.6
	L.R.A	A	7.7	8.2
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)	10.8 (0.32) (NEO22)
Refrigerant control	Linear expansion valve			
Sound level *1	Cooling	dB(A)	46	
	Heating	dB(A)	50	
Airflow High - Med. - Low	Cooling	CFM	1,063	
	Heating	CFM	1,282 - 1,105	1,240 - 1,105
Fan speed High - Med. - Low	Cooling	rpm	740	
	Heating	rpm	890 - 770	860 - 770
Defrost method	Reverse cycle			
Dimensions	W	in.	31-1/2	
	D	in.	11-1/4	
	H	in.	21-5/8	
Weight	lb.		73	
External finish	Munsell 3Y 7.8/1.1			
Refrigerant piping	Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	
	Gas	in.	3/8 (0.0315)	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Between the indoor & outdoor units	Height difference	ft.	40	
	Piping length	ft.	65	
Refrigerant charge (R410A)			1 lb. 12 oz.	

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

*3: Test condition (Refer to page 19.)

*4: Test condition (Refer to page 19.)

MUZ-HM12NA2

Outdoor unit model			MUZ-HM12NA2 - [U1]	MUZ-HM12NA2 - [U8]
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	12,000 (3,800 ~ 12,200)	
	Heating 47 *1	Btu/h	12,200 (4,500 ~ 14,500)	12,200 (5,500 ~ 14,500)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	7,600 (9,000)	
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	1,210 (240 - 1,300)	1,210 (205 - 1,300)
	Heating 47 *1	W	990 (240 - 1,220)	990 (340 - 1,660)
Power consumption Rated (Maximum)	Heating 17 *2	W	800 (990)	
EER *1 [SEER] *3	Cooling		9.9 [18.0]	
HSPF IV *4	Heating		8.5	
COP	Heating *1		3.61	
Power factor	Cooling (208/230)	%	95/95	94/94
	Heating (208/230)	%	93/93	95/96
Power supply	V , phase , Hz		208/230 , 1 , 60	
Max. fuse size (time delay)	A		15	
Min. circuit ampacity	A		9	12
Fan motor	F.L.A	A	0.50	
Compressor	Model		KNB073FRVMC	KNB092FQAHC
	R.L.A	A	6.2	6.6
	L.R.A	A	7.7	8.2
	Refrigeration oil	fl oz. (L) (Model)	9.1 (0.27) (FV50S)	10.8 (0.32) (NEO22)
Refrigerant control	Linear expansion valve			
Sound level *1	Cooling	dB(A)	49	
	Heating	dB(A)	51	
Airflow High - Med. - Low	Cooling	CFM	1,063	1,102 - 639
	Heating	CFM	1,282 - 1,105	1,186 - 1,116 - 1,045
Fan speed High - Med. - Low	Cooling	rpm	740	810 - 490
	Heating	rpm	890 - 770	870 - 820 - 770
Defrost method	Reverse cycle			
Dimensions	W	in.	31-1/2	
	D	in.	11-1/4	
	H	in.	21-5/8	
Weight	lb.		73	
External finish	Munsell 3Y 7.8/1.1			
Refrigerant piping	Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	
	Gas	in.	3/8 (0.0315)	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Between the indoor & outdoor units	Height difference	ft.	40	
	Piping length	ft.	65	
Refrigerant charge (R410A)			1 lb. 12 oz.	2 lb. 9 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

*3: Test condition (Refer to page 19.)

*4: Test condition (Refer to page 19.)

MUZ-HM15NA2 MUZ-HM18NA2

Outdoor unit model			MUZ-HM15NA2	MUZ-HM18NA2
Capacity Rated (Minimum-Maximum)	Cooling *1	Btu/h	14,000 (3,100 - 16,000)	17,200 (5,800 - 18,000)
	Heating 47 *1	Btu/h	18,000 (4,800 - 18,500)	18,000 (5,400 - 20,900)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	11,500 (14,000)	11,500 (15,000)
Power consumption Rated (Minimum-Maximum)	Cooling *1	W	1,127 (187 - 1,957)	1,598 (308 - 2,028)
	Heating 47 *1	W	1,570 (190 - 1,980)	1,548 (288 - 2,208)
Power consumption Rated (Maximum)	Heating 17 *2	W	1,290 (1,820)	1,258 (1,908)
EER *1 [SEER] *3	Cooling		12.0 [18.0]	10.5 [18.0]
HSPF IV *4	Heating		8.5	
COP	Heating *1		3.30	3.32
Power factor	Cooling (208/230)	%	98/98	98/98
	Heating (208/230)	%	98/98	97/97
Power supply	V , phase , Hz		208/230, 1 , 60	208/230, 1 , 60
Max. fuse size (time delay)	A		15	15
Min. circuit ampacity	A		10	10
Fan motor	F.L.A	A	0.50	0.50
Compressor	Model		SNB130FQBMT	SNB130FQBMT
	R.L.A	A	7.4	7.4
	L.R.A	A	9.3	9.3
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35) (FV50S)	11.8 (0.35) (FV50S)
Refrigerant control	Linear expansion valve			
Sound level *1	Cooling	dB(A)	49	49
	Heating	dB(A)	51	51
Airflow High - Med. - Low	Cooling	CFM	1,102 - 639	1,102 - 639
	Heating	CFM	1,186 - 1,045 - 1,045	1,186 - 1,045 - 1,045
Fan speed High - Med. - Low	Cooling	rpm	810 - 490	810 - 490
	Heating	rpm	870 - 770 - 770	870 - 770 - 770
Defrost method	Reverse cycle			
Dimensions	W	in.	31-1/2	31-1/2
	D	in.	11-1/4	11-1/4
	H	in.	21-5/8	21-5/8
Weight	lb.		81	81
External finish	Munsell 3Y 7.8/1.1			
Refrigerant piping	Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	1/4 (0.0315)
	Gas	in.	1/2 (0.0315)	1/2 (0.0315)
Connection method	Indoor		Flared	Flared
	Outdoor		Flared	Flared
Between the indoor & outdoor units	Height difference	ft.	40	40
	Piping length	ft.	65	65
Refrigerant charge (R410A)			2 lb. 9 oz.	2 lb. 10 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

*3: Test condition (Refer to page 19.)

*4: Test condition (Refer to page 19.)

MUZ-HM24NA2

Outdoor unit model			MUZ-HM24NA2
Capacity Rated (Minimum~Maximum)	Cooling *1	Btu/h	22,500 (5,800 ~ 22,500)
	Heating 47 *1	Btu/h	26,000 (5,400 ~ 26,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	18,500 (18,500)
Power consumption Rated (Minimum~Maximum)	Cooling *1	W	2,575 (275 ~ 2,575)
	Heating 47 *1	W	2,445 (265 ~ 2,445)
Power consumption Rated (Maximum)	Heating 17 *2	W	2,245 (2,245)
EER *1 [SEER] *3	Cooling		8.6 [18.0]
HSPF IV *4	Heating		8.5
COP	Heating *1		3.05
Power factor	Cooling (208/230)	%	99/99
	Heating (208/230)	%	99/99
Power supply	V , phase , Hz		208/230, 1 , 60
Max. fuse size (time delay)	A		15
Min. circuit ampacity	A		14
Fan motor	F.L.A		0.93
Compressor	Model		SNB130FQBMT
	R.L.A		10
	L.R.A		12.5
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35) (FV50S)
Refrigerant control			Linear expansion valve
Sound level *1	Cooling	dB(A)	54
	Heating	dB(A)	55
Airflow High - Med. - Low	COOL	CFM	1,742 - 922
	HEAT	CFM	1,691 - 1,691 - 1,372
Fan speed High - Med. - Low	Cooling	rpm	840 - 450
	Heating	rpm	810 - 810 - 650
Defrost method			Reverse cycle
Dimensions	W	in.	33-1/16
	D	in.	13
	H	in.	34-5/8
Weight	lb.		121
External finish			Munsell 3Y 7.8/1.1
Refrigerant piping			Not supplied
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	3/8 (0.0315)
	Gas	in.	5/8 (0.0315)
Connection method	Indoor		Flared
	Outdoor		Flared
Between the indoor & outdoor units	Height difference	ft.	50
	Piping length	ft.	100
Refrigerant charge (R410A)			3 lb. 9 oz.

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Test condition

*3,*4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed *5	70	60	35	33

*5: At Intermediate compressor Speed

= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	5	4

MSZ-FH06NA MSZ-FH09NA MSZ-FH12NA MSZ-FH15NA MSZ-FH18NA2

Indoor unit model		MSZ-FH06NA	MSZ-FH09NA	MSZ-FH12NA	MSZ-FH15NA	MSZ-FH18NA2	
Power supply	V, phase, Hz	208/230, 1, 60					
Disconnect switch	A	15					
Min. circuit ampacity	A	1.0					
Fan motor	F.L.A	0.67					
Airflow Super high - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	381-304-221-167-137 (328-261-190-143-117)	381-304-221-167-137 (328-261-190-143-117)	398-304-221-167-137 (342-261-190-143-117)	411-355-304-262-225 (354-305-261-225-194)	459-355-304-262-225 (395-305-261-225-194)
	HEAT Dry	CFM	437-325-225-167-140	437-325-225-167-140	454-325-225-167-140	497-394-317-254-201	514-394-317-254-201
Moisture removal	pt./h	0.2	0.6	1.9	4.0	4.8	
Sound level Super high - High - Med. - Low - Quiet	Cooling	dB(A)	40-36-29-23-20	40-36-29-23-20	41-36-29-24-21	44-39-35-31-27	47-39-35-31-27
	Heating	dB(A)	42-36-29-24-20	42-36-29-24-20	42-36-29-24-21	46-39-34-29-25	46-39-34-29-25
Cond. drain connection O.D.	in.	5/8					
Dimensions	W	36-7/16					
	D	in.	9-3/16				
	H	12 (+ 11/16)					
Weight	lb.	29					
External finish		Munsell 1.0Y 9.2/0.2					
Remote controller		Wireless type					
Control voltage (by built-in transformer)		12 - 24 VDC					

NOTE: Test conditions are based on AHRI 210/240.

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s)	Coverage (ft.)
MSZ-FH06NA	HEAT	Dry	437	19.5	29.8
	COOL	Dry	381	17.0	26.1
		Wet	328	14.6	22.5
MSZ-FH09NA	HEAT	Dry	437	19.5	29.8
	COOL	Dry	381	17.0	26.1
		Wet	328	14.6	22.5
MSZ-FH12NA	HEAT	Dry	454	20.3	31.0
	COOL	Dry	398	17.8	27.3
		Wet	342	15.3	23.5
MSZ-FH15NA	HEAT	Dry	497	22.2	33.8
	COOL	Dry	411	18.3	28.0
		Wet	354	15.7	24.1
MSZ-FH18NA2	HEAT	Dry	514	23.0	34.9
	COOL	Dry	459	20.5	31.2
		Wet	395	17.6	27.0

- The air coverage is the figure up to the position where the air speed is 1 ft./s, when air is blown out horizontally from the unit properly at the High speed position.
The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

MUZ-FH06NA MUZ-FH06NAH MUZ-FH09NA MUZ-FH09NAH
MUZ-FH12NA MUZ-FH12NAH MUZ-FH15NA MUZ-FH15NAH
MUZ-FH18NA2 MUZ-FH18NAH2

Outdoor unit model			MUZ-FH06NA MUZ-FH06NAH	MUZ-FH09NA MUZ-FH09NAH	MUZ-FH12NA MUZ-FH12NAH	MUZ-FH15NA MUZ-FH15NAH	MUZ-FH18NA2 MUZ-FH18NAH2	
Capacity Rated (Minimum-Maximum)	Cooling *1	Btu/h	6,000 (1,700 ~ 9,000)	9,000 (1,700 ~ 12,000)	12,000 (2,500 ~ 13,600)	15,000 (6,450 ~ 19,000)	17,200 (6,450 ~ 21,000)	
	Heating 47 *1	Btu/h	8,700 (1,600 ~ 14,000)	10,900 (1,600 ~ 18,000)	13,600 (3,700 ~ 21,000)	18,000 (5,150 ~ 24,000)	20,300 (5,150 ~ 30,000)	
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	5,900 (10,700)	6,700 (12,200)	8,000(13,600)	11,000 (18,000)	13,700 (20,300)	
Power consumption Rated (Minimum-Maximum)	Cooling *1	W	315 (100 ~ 560)	560 (100 ~ 1,000)	870 (170 ~ 1,150)	1,200 (410 ~ 2,200)	1,375 (410 ~ 2,220)	
	Heating 47 *1	W	545 (110 ~ 1,270)	710 (110 ~ 1,470)	950 (280 ~ 2,300)	1,300 (430 ~ 3,360)	1,720 (430 ~ 3,390)	
Power consumption Rated (Maximum)	Heating 17 *2	W	500 (1,000)	600 (1,440)	720 (1,900)	1,020 (2,480)	1,320 (2,800)	
EER *1 [SEER] *3	Cooling		19.1 [33.1]	16.1 [30.5]	13.8 [26.1]	12.5 [22.0]	12.5 [21.0]	
HSPF IV *4	Heating		NA: 13.5	NA: 13.5	NA: 12.5	NA: 12.0	NA2: 12.0	
			NAH: 12.5	NAH: 12.5	NAH: 11.5	NAH: 11.0	NAH2: 11.0	
COP	Heating *1		4.68	4.50	4.20	4.06	3.46	
Power factor	Cooling (208/230)	%	80/81	90/90	97/97	97/97	93/93	
	Heating (208/230)	%	87/88	94/94	96/96	97/97	96/96	
Power supply	V , phase , Hz		208/230, 1 , 60					
Max. fuse size (time delay)	A		15			20		
Min. circuit ampacity	A		11			16		
Fan motor	F.L.A		0.50			0.93		
Compressor	Model		SNB092FQAMT		SNB140FQUMT	SNB172FQKMT		
		R.L.A	8.2			12.0		
		L.R.A	10.3			15.0		
	Refrigerant oil	fl oz. (L) (Model)	11.8 (0.35)/(FV50S)		11.8 (0.35)/(FV50S)	13.5(0.40)/(FV50S)		
Refrigerant control	Linear expansion valve							
Sound level *1	Cooling	dB(A)	47	48	49	51	52	
	Heating	dB(A)	48	49	51	55	55	
Defrost method	Reverse cycle							
Dimensions	W	in.	31-1/2			33-1/16		
	D	in.	11-1/4			13		
	H	in.	21-5/8			34-5/8		
Weight	lb.	81		83	124			
External finish	Munsell 3Y 7.8/1.1							
Remote controller	Wireless type							
Control voltage (by built-in transformer)	VDC	12 - 24						
Refrigerant piping	Not supplied							
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)					
	Gas	in.	3/8 (0.0315)			1/2 (0.0315)		
Connection method	Indoor		Flared					
	Outdoor		Flared					
Between the indoor & outdoor units	Height difference	ft.	40			50		
	Piping length	ft.	65			100		
Refrigerant charge (R410A)			2 lb. 9 oz.			3 lb. 7 oz.		

NOTE: Test conditions are based on AHRI 210/240.

- *1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB
*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Test condition

*3,*4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed *5	70	60	35	33

*5: At Intermediate compressor Speed

= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

MSZ-FE09NA MSZ-FE12NA

Indoor unit model		MSZ-FE09NA	MSZ-FE12NA
Power supply	V, phase, Hz	208/230 , 1 , 60	
Disconnect switch	A	15	
Min. circuit ampacity	A	1.0	
Fan motor	F.L.A	0.76	
Airflow Powerful - High - Med. - Low	COOL Dry (Wet)	CFM	381 - 339 - 226 - 162 (343 - 307 - 202 - 144)
	HEAT Dry	CFM	410 - 381 - 226 - 162 (367 - 350 - 202 - 144)
Moisture removal	pt./h	381 - 367 - 240 - 166	420 - 399 - 240 - 166
Sound level Powerful - High - Med. - Low	Cooling	dB(A)	2.1
	Heating	dB(A)	2.9
Cond. drain connection O.D.	in.	42 - 39 - 31 - 22	45 - 43 - 33 - 22
Dimensions	W	5/8	
	D	31-3/8	
	H	10-1/8	
Weight	lb.	11-5/8	
External finish	Munsell 1.0Y 9.2/0.2		
Remote controller	Wireless type		
Control voltage (by built-in transformer)	12 - 24 VDC		

NOTE: Test conditions are based on AHRI 210/240.

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s)	Coverage (ft.)
MSZ-FE09NA	HEAT	Dry	381	19.2	27.7
	COOL	Dry	339	17.1	24.7
		Wet	307	15.5	22.4
MSZ-FE12NA	HEAT	Dry	420	21.2	30.4
	COOL	Dry	381	19.2	27.7
		Wet	350	17.6	25.4

- The air coverage is the figure up to the position where the air speed is 1 ft./s, when air is blown out horizontally from the unit properly at the High speed position.

The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

MUZ-FE09NAH MUZ-FE12NAH

Outdoor unit model			MUZ-FE09NAH	MUZ-FE12NAH
Capacity Rated (Minimum–Maximum)	Cooling *1	Btu/h	9,000 (2,800~9,000)	12,000 (2,800~12,000)
	Heating 47 *1	Btu/h	10,900 (3,000~18,000)	13,600 (3,000~21,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	6,700 (12,500)	7,900(13,600)
Power consumption Rated (Minimum–Maximum)	Cooling *1	W	580 (160~650)	930 (160~960)
	Heating 47 *1	W	710 (150~2,250)	950 (150~2,250)
Power consumption Rated (Maximum)	Heating 17 *2	W	650 (1,730)	750(1,780)
EER *1 [SEER] *3	Cooling		15.5 [26.0]	12.9 [23.0]
HSPF IV *4	Heating		10.0	10.1
COP	Heating *1		4.50	4.20
Power factor	Cooling (208/230)	%	99/98	99/98
	Heating (208/230)	%	98/99	99/99
Power supply	V , phase , Hz		208/230, 1 , 60	
Max. fuse size (time delay)	A		15	
Min. circuit ampacity	A		12	
Fan motor	F.L.A		0.56	
Compressor	Model		SNB130FQBHT	
	R.L.A		8.6	
	L.R.A		10.8	
	Refrigeration oil	fl oz. (L) (Model)	15.2 (0.45)/(NEO22)	
Refrigerant control	Linear expansion valve			
Sound level *1	Cooling	dB(A)	48	48
	Heating	dB(A)	49	49
Defrost method	Reverse cycle			
Dimensions	W	in.	31-1/2	
	D	in.	11-1/4	
	H	in.	21-5/8	
Weight	lb.		80	
External finish	Munsell 3Y 7.8/1.1			
Remote controller	Wireless type			
Control voltage (by built-in transformer)	VDC		12 - 24	
Refrigerant piping	Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)	
	Gas	in.	3/8 (0.0315)	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Between the indoor & outdoor units	Height difference	ft.	40	
	Piping length	ft.	65	
Refrigerant charge (R410A)	2 lb. 9 oz.			

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)
(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Test condition

*3,*4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed *5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed *5	70	60	35	33

*5: At Intermediate compressor Speed

= ("Cooling rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	<p>Min. 187 208 230 Max. 253</p>

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-15

MSZ-D30NA MSY-D30NA MSZ-D36NA MSY-D36NA

Indoor unit model		MSZ-D30NA	MSY-D30NA	MSZ-D36NA	MSY-D36NA
Power supply	V, phase, Hz	208/230 , 1 , 60			
Disconnect switch	A	15			
Min. circuit ampacity	A	1.0			
Fan motor	F.L.A	0.76			
Airflow Low - Med. - High - Powerful	COOL Dry (Wet)	CFM	389 - 639 - 848 - 887 (350 - 576 - 763 - 798)		
	HEAT Dry		445 - 639 - 848 - 887	—	445 - 639 - 848 - 887
Moisture removal	pt./h	9.9		11.3	11.9
Sound level Low - Med. - High - Powerful	Cooling	dB(A)	32 - 42 - 49 - 51		
	Heating		34 - 42 - 49 - 50	—	34 - 42 - 49 - 50
Cond. drain connection O.D.	in.	5/8			
Dimensions	W	in.	46-1/16		
	D		11-5/8		
	H		14-3/8		
Weight	lb.	40			
External finish		Munsell 1.0Y 9.2/0.2			
Remote controller		Wireless type			
Control voltage (by built-in transformer)		12-24 VDC			

NOTE : Test conditions are based on ARI 210/240.

OUTLET AIR SPEED AND COVERAGE RANGE

Model name	Mode	Function	Air low (CFM)	Air speed (ft./sec.)	Coverage range (ft.)
MSZ-D30NA MSZ-D36NA	HEAT	Dry	848	23.6	45.0
MSZ-D30NA MSZ-D36NA MSY-D30NA MSY-D36NA	COOL	Dry	848	23.6	45.0
		Wet	763	21.3	40.7

- The air coverage range is the figure up to the position where the air speed is 1 ft./sec., when air is blown out horizontally from the unit properly at the High speed position.

The coverage range should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

MUZ-D30NA MUY-D30NA MUZ-D36NA MUY-D36NA

Outdoor unit model			MUZ-D30NA	MUY-D30NA	MUZ-D36NA	MUY-D36NA
Capacity Rated (Minimum ~ Maximum)	Cooling *1	Btu/h	30,700 (9,800 ~ 30,700)	30,700 (9,800 ~ 30,700)	32,000/33,200 (9,800 ~ 32,000) / (9,800 ~ 33,200)	33,200/34,600 (9,800 ~ 33,200) / (9,800 ~ 34,600)
	Heating 47 *1		32,600 (8,700 ~ 34,000)	—	35,200 (8,700 ~ 36,000)	—
Capacity	Heating 17 *2	Btu/h	20,800	—	22,800	—
Power consumption Rated (Minimum ~ Maximum) (TOTAL)	Cooling *1	W	3,850 (620 ~ 3,850)	3,380 (620 ~ 3,380)	4,140/4,360 (620 ~ 4,140) / (620 ~ 4,360)	4,210/4,240 (620 ~ 4,210) / (620 ~ 4,240)
	Heating 47 *1		3,360 (520 ~ 3,600)	—	3,840 (520 ~ 4,100)	—
Power consumption	Heating 17 *2	W	2,620	—	3,000	—
EER *1 [SEER] *3	Cooling		8.0 [14.5]	9.1 [16.0]	7.7/7.6 [14.5]	7.9/8.2 [15.1]
HSPF IV(V) *4	Heating		8.2 (6.7)	—	8.2 (6.7)	—
COP	Heating *1		2.84	—	2.69	—
Power factor	Cooling (208/230)	%	99/99			
	Heating (MUZ) (208/230)	%	99/99			
Power supply	V , phase , Hz		208/230 , 1 , 60			
Max. fuse size (time delay)	A		25			
Min. circuit ampacity	A		21			
Fan motor	F.L.A		0.93			
Compressor	Model		TNB220FMCHT			
	R.L.A		16			
	L.R.A		20			
	Refrigeration oil	fl oz. (L) (Model)	29.4 (0.87)/(NEO22)			
Refrigerant control			Linear expansion valve			
Sound level *1	Cooling	dB(A)	55	55	56	56
	Heating		57	—	57	—
Defrost method			Reverse cycle	—	Reverse cycle	—
Dimensions	W	in.	33-1/16			
	D		13			
	H		33-7/16			
Weight	lb.		141	126	141	126
External finish			Munsell 3Y 7.8/1.1			
Remote controller			Wireless type			
Control voltage (by built-in transformer)			12 - 24 VDC			
Refrigerant piping			Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	3/8 (0.0315)			
	Gas		5/8 (0.0394)			
Connection method	Indoor		Flared			
	Outdoor					
Between the indoor & outdoor units	Height difference	ft.	50			
	Piping length		100			
Refrigerant charge (R410A)			4 lb. 10 oz.	4 lb.	4 lb. 10 oz.	4 lb.

NOTE: Test conditions are based on ARI 210/240.

- *1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB) Rated frequency
 (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB Rated frequency
 *2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB Maximum frequency

Test condition

※3,※4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		Low ambient Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		Intermediate Cooling Steady State at Intermediate compressor Speed ※5	80	67	87	(69)
	HSPF (Heating)	Standard Rating-Heating at rated compressor Speed	70	60	47	43
		Low temperature Heating at rated compressor Speed	70	60	17	15
		Max temperature Heating at minimum compressor Speed	70	60	62	56.5
		High temperature Heating at minimum compressor Speed	70	60	47	43
		Frost Accumulation at rated compressor Speed	70	60	35	33
		Frost Accumulation at Intermediate compressor Speed ※5	70	60	35	33

※5: At Intermediate compressor Speed
 = ("Cooling rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	14	13

SEZ-KD09NA4 SEZ-KD12NA4

Model Name		SEZ-KD09NA4		SEZ-KD12NA4	
Capacity		Cooling	Heating	Cooling	Heating
	BTU/h	8100	10900	11500	13600
Power source		208/230V (60Hz)		208/230V (60Hz)	
Power input	kW	0.06	0.04	0.07	0.05
Current	A	0.51	0.39	0.57	0.46
Temperature set range Remote controller	F(°C)	67 to 86 (19 to 30)	63 to 83 (17 to 28)	67 to 86 (19 to 30)	63 to 83 (17 to 28)
Airflow direction		-		-	
Fan	Type x Quantity	Sirocco fan x 2		Sirocco fan x 2	
	External static press	in.WG(Pa)	0.02-0.06-0.14-0.20 (5-15-35-50)	0.02-0.06-0.14-0.20 (5-15-35-50)	
	Motor type	DC brushless motor		DC brushless motor	
	Motor output	kW	0.096	0.096	
	Driving mechanism	Direct-driven		Direct-driven	
	Airflow rate(Low-Mid-High)	m³/min	5.5-7.0-9.0	7.0-9.0-11.0	
	Airflow rate(Low-Mid-High)	CFM	194-247-317	247-317-388	
Airflow rate(Low-Mid-High)	L/S	91-116-150	116-150-183		
External finish		Galvanized		Galvanized	
External dimension	mm	200 x 790 x 700		200 x 990 x 700	
H x W x D	In.	7-7/8 x 31-1/8 x 27-9/16		7-7/8 x 39 x 27-9/16	
Net weight	kg	18		21	
Wiring	Min.size of wire	in.(mm)	1/8 (1.6)	1/8 (1.6)	
	Amperage of wire breaker	A	15	15	
Refrigerant piping diameter	Liquid R410A	in.(mm)	ø1/4 (ø6.35) Flare	ø1/4 (ø6.35) Flare	
	Gas R410A	in.(mm)	ø3/8 (ø9.52) Flare	ø3/8 (ø9.52) Flare	
Drain piping diameter	in.(mm)	O.D. 1-1/4 (32)		O.D. 1-1/4 (32)	
Sound level (Low-Mid-High) (measured in anechoic room)	dB<A>	23-26-30		23-28-33	
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam		Polystyrene foam, Polyethylene foam, Urethane foam	
Air filter		PP Honeycomb fabric (washable)		PP Honeycomb fabric (washable)	
Refrigerant control device		-		-	
Protection devices		Fuse (250V 6.3A)		Fuse (250V 6.3A)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)	
Varistor		ERZV10D471		ERZV10D471	
Terminal block		To outdoor unit : 3P To wired remote controller : 2P		To outdoor unit : 3P To wired remote controller : 2P	
Power outlet	A	10		10	
Standard attachment	Document	Installation Manual, Instruction Book		Installation Manual, Instruction Book	
	Accessory	Drain hose (flexible joint), <Wired Remote Controller>		Drain hose (flexible joint), <Wired Remote Controller>	
Remark					
Note	<p>1.Cooling/Heating capacity indicates the maximum value at operation under the following condition.</p> <p><Cooling> Indoor:80'FD.B. / 67'FW.B. (26.7'CD.B. / 19.4'CW.B.) Outdoor:95'FD.B. (35'CD.B.)</p> <p><Heating> Indoor:70'FD.B. (21.1'CD.B.) Outdoor:47'FD.B. / 43'FW.B. (8.3'CD.B. / 6.1'CW.B.)</p> <p>Pipe length:24-9/16ft (7.5m) Height difference:0ft (0m)</p> <p>2.Power consumption. Run current at 0.06[in.WG] (15Pa) (external static pressure)</p> <p>3.Cooling capacity value at 1:1system</p> <p>Heating capacity value at 1:1system</p> <p>4. < > SEZ-KD·NA only</p>				

SEZ-KD15NA4 SEZ-KD18NA4

Model Name			SEZ-KD15NA4		SEZ-KD18NA4		
Capacity			Cooling	Heating	Cooling	Heating	
			BTU/h	14100	18000	17200	21600
Power source			208/230V (60Hz)		208/230V (60Hz)		
Power input			kW	0.09	0.07	0.09	
Current			A	0.74	0.63	0.74	
Temperature set range Remote controller			'F('C)	67 to 86 (19 to 30)	63 to 83 (17 to 28)	67 to 86 (19 to 30)	
Airflow direction							
Fan	Type x Quantity		Sirocco fan x 3		Sirocco fan x 4		
	External static press	in.WG(Pa)	0.02-0.06-0.14-0.20 (5-15-35-50)		0.02-0.06-0.14-0.20 (5-15-35-50)		
	Motor type		DC brushless motor		DC brushless motor		
	Motor output	kW	0.096		0.096		
	Driving mechanism		Direct-driven		Direct-driven		
	Airflow rate(Low-Mid-High)	m³/min	10.0-12.5-15.0		12.0-15.0-18.0		
	Airflow rate(Low-Mid-High)	CFM	353-441-529		423-529-635		
Airflow rate(Low-Mid-High)	L/S	167-208-250		200-250-300			
External finish			Galvanized		Galvanized		
External dimension			mm	200 x 990 x 700	200 x 1190 x 700		
H x W x D			In.	7-7/8 x 39 x 27-9/16	7-7/8 x 46-7/8 x 27-9/16		
Net weight			kg	23	27		
Wiring	Min.size of wire	in.(mm)	1/8 (1.6)		1/8 (1.6)		
	Amperage of wire breaker	A	15		15		
Refrigerant piping diameter	Liquid	R410A in.(mm)	ø1/4 (ø6.35) Flare		ø1/4 (ø6.35) Flare		
	Gas	R410A in.(mm)	ø1/2 (ø12.7) Flare		ø1/2 (ø12.7) Flare		
Drain piping diameter			in.(mm)	O.D. 1-1/4 (32)		O.D. 1-1/4 (32)	
Sound level (Low-Mid-High) (measured in anechoic room)			dB<A>	30-34-37		30-34-38	
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam		Polystyrene foam, Polyethylene foam, Urethane foam		
Air filter			PP Honeycomb fabric (washable)		PP Honeycomb fabric (washable)		
Refrigerant control device							
Protection devices			Fuse (250V 6.3A)		Fuse (250V 6.3A)		
Heat exchanger			Cross fin (Aluminum fin and copper tube)		Cross fin (Aluminum fin and copper tube)		
Varistor			ERZV10D471		ERZV10D471		
Terminal block			To outdoor unit : 3P To wired remote controller : 2P		To outdoor unit : 3P To wired remote controller : 2P		
Power outlet			A	20	20		
Standard attachment	Document		Installation Manual, Instruction Book		Installation Manual, Instruction Book		
	Accessory		Drain hose (flexible joint), <Wired Remote Controller>		Drain hose (flexible joint), <Wired Remote Controller>		
Remark							
Note			<p>1.Cooling/Heating capacity indicates the maximum value at operation under the following condition.</p> <p><Cooling> Indoor:80°FD.B. / 67°FW.B. (26.7°CD.B. / 19.4°CW.B.) Outdoor:95°FD.B. (35°CD.B.)</p> <p><Heating> Indoor:70°FD.B. (21.1°CD.B.) Outdoor:47°FD.B. / 43°FW.B. (8.3°CD.B. / 6.1°CW.B.)</p> <p>Pipe length:24-9/16ft (7.5m) Height difference:0ft (0m)</p> <p>2.Power consumption. Run current at 0.06[in.WG] (15Pa) (external static pressure)</p> <p>3.Cooling capacity value at 1:1system</p> <p>Heating capacity value at 1:1system</p> <p>4. < > SEZ-KD·NA only</p>				

SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA SUZ-KA18NA (SEZ Combination)

Model name	Indoor unit		SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4	SEZ-KD18NA4
	Outdoor unit		SUZ-KA09NA	SUZ-KA12NA	SUZ-KA15NA	SUZ-KA18NA
Cooling	Max. Capacity	Btu/h	10,900	13,300	17,000	19,000
	Rated Capacity	Btu/h	8,100	11,500	14,100	17,200
	Min. Capacity	Btu/h	3,800	3,800	3,800	3,800
	Total input	W	670	920	1,170	1,380
	EER	Btu/h	12	12.5	12	12.5
	SEER	Btu/h	15	16	15.5	17.5
	Moisture Removal	Pints/h	1.5	2.4	2.6	3.4
	SHF		0.80	0.76	0.80	0.79
Heating	Max. Capacity	Btu/h	14,100	16,400	21,100	24,900
	Rated Capacity	Btu/h	10,900	13,600	18,000	21,600
	Min. Capacity	Btu/h	4,800	4,800	4,800	4,800
	Total input	W	1,020	1,140	1,500	1,700
	COP	W/W	3.13	3.50	3.52	3.72
	HSPF(IV)	Btu/h/W	10.0	10.0	10.0	10.0
Heating at low ambient	Capacity	Btu/h	7,300	9,800	13,700	15,000
	Total input	W	1,000	1,180	1,650	1,830
	COP	W/W	2.14	2.43	2.43	2.40
Power factor	Cooling (208/230)	%				
	Heating (208/230)	%				
Power supply	Phase,Cycle,Voltage	1phase, 60Hz, 208/230V				
	Breaker size	A	15			
Voltage	Indoor - Outdoor S1-S2	AC208 / 230V				
	Indoor - Outdoor S2-S3	DC 12 - 24V				
	Indoor - Remote controller	DC 12V				
Indoor unit	MCA	A	1			
	MOCP	A	15			
	Fan Motor	F.L.A	0.51	0.57	0.74	
	Fan Motor Output	W	96			
	Air flow DRY (Lo-Mid-Hi) WET	CMM	5.5 - 7 - 9	7 - 9 - 11	10 - 12.5 - 15	12 - 15 - 18
		CMM	4.9 - 6 - 8	6 - 8 - 10	9 - 11.2 - 14	11 - 14 - 17
	Air flow DRY (Lo-Mid-Hi) WET	CFM	194 - 247 - 317	247 - 317 - 388	353 - 441 - 529	423 - 529 - 635
		CFM	174 - 222 - 285	222 - 285 - 349	317 - 396 - 476	381 - 476 - 572
	External pressure	in.WG [Pa]	0.02 / 0.06 / 0.14 / 0.20 [5/15/35/50]			
	Sound level(Lo-Mid-Hi)	dB (A)	23 - 26 - 30	23 - 28 - 33	30 - 34 - 37	30 - 34 - 38
	External finish	Galvanized				
	Dimension Unit (Panel)	W: mm [inch]	790 [31-1/8]	990 [39]		1190 [46-7/8]
		D: mm [inch]	700 [27-9/16]			
		H: mm [inch]	200 [7-7/8]			
Weight Unit	kg	19	22	24	28	
	lbs	42	50	54	62	
Field Drain pipe seize O.D.	mm [inch]	32 [1-1/4]				
Remote Controller	Optional parts					
Outdoor unit	MCA	A	12			14
	MOCP	A	15			
	Fan Motor	F.L.A.	0.50			0.93
	Fan Motor Output	W	55			
	Compressor		KNB073FQDHC	KNB092FQAHC	SNB130FQBH	
		R.L.A.	6.6	7.4	10	
		L.R.A.	8.2	9.3	12.5	
	Air flow (Cooling/Heating)	CMM	32.6 / 34.7	34.8 / 33.2	35.2 / 34.8	49 / 47
		CFM	1,151 / 1,225	1,229 / 1,172	1,243 / 1,229	1,730 / 1,659
	Refrigerant Control	Linear Expansion Valve				
	Defrost Method	Reverse Cycle				
	Sound level at cooling	dB (A)	46	49	49	54
	Sound level at heating	dB (A)	50	51	51	56
	External finish	Ivory Munsell 3Y 7.8/1.1				
Dimension	W: mm [inch]	800 [31-1/2]			840 [33-1/16]	
	D: mm [inch]	285 [11-1/4]				
	H: mm [inch]	550 [21-5/8]				
Weight	kg [lbs]	30 [66]	35 [77]	36 [80]	54 [119]	
Refrigerant	Type	R410A				
	Charge	kg [lbs,oz]	0.9 [1 lb 16 oz]	1.15 [2 lb 9 oz]	1.80 [3 lb 16 oz]	
	Oil	L [fl oz]	0.32 (NEO 22) [10.8]		0.45 (NEO 22) [15.2]	
Refrigerant pipe size	Gas side O.D.	mm [inch]	9.52 [3/8]		12.7 [1/2]	
	Liquid side O.D.	mm [inch]	6.35 [1/4]			
Refrigerant pipe length	Height difference	Max. 12 m [Max. 40 ft]				Max. 15 m [Max. 50 ft]
	Length	Max. 20 m [Max. 65 ft]				Max. 30 m [Max. 100 ft]
Refrigerant Piping	Not Supplied					
Connection Method	Flared					

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C(80°F), W.B. 19.4°C(67°F) Outdoor : D.B. 35°C(95°F), W.B. 23.9°C(75°F)
 (heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. 8.3°C(47°F), W.B. 6.1°C(43°F)
 *2.Rating conditions(heating)-Indoor : D.B. 21.1°C(70°F), W.B. 15.6°C(60°F) Outdoor : D.B. -8.3°C(17°F), W.B. -9.4°C(15°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
		Maximum	Minimum	Maximum	Minimum
Cooling	Maximum	D.B. 35°C(95°F), W.B. 21.7°C(71°F)	D.B. 46°C(115°F)		
	Minimum	D.B. 19.4°C(67°F), W.B. 13.9°C(57°F)	D.B. -10°C(14°F)		
Heating	Maximum	D.B. 26.7°C(80°F), W.B. 19.4°C(67°F)	D.B. 24°C(75°F), W.B. 18°C(65°F)		
	Minimum	D.B. 21.1°C(70°F), W.B. 15.6°C(60°F)	D.B. -20°C(-4°F), W.B. -21°C(-5°F)		

SLZ-KA09NA SLZ-KA12NA SLZ-KA15NA

Indoor unit model			SLZ-KA09NA	SLZ-KA12NA	SLZ-KA15NA
Power supply	V, phase, Hz		208/230, 1, 60		
Max. fuse size (time delay)/Disconnect switch	A		15		
Min. circuit ampacity	A		1.0		
Fan motor	F.L.A		0.23	0.28	0.28
Airflow (Low - Med. - High)	Dry	CFM	280-320-350	280-320-390	280-320-390
	Wet	CFM	250-290-320	250-290-350	250-290-350
Moisture removal	pt/h		1.2	2.3	4.5
Sound pressure level (Low - Med. - High)	dB(A)		29-32-38	30-34-39	31-35-40
External finish color			Unit: Galvanized sheets with gray heat insulation Grille: ABS resin Munsell 6.4Y 8.9/0.4		
Dimensions unit <Grille>	W	in.	22-7/16 <25-19/32>		
	D	in.	22-7/16 <25-19/32>		
	H	in.	8-3/16 <25/32>		
Weight unit <Grille>	lb.		36 <7>		
Field drainpipe O.D.	in.		1-1/4		
Control voltage (by buit-in transformer)			12 - 24 VDC		

NOTE : Test conditions are based on AHRI 210/240.

OUTLET AIR SPEED AND COVERAGE

Model	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
SLZ-KA09NA	Dry	350	11.2	12.1
	Wet	320	10.2	11.1
SLZ-KA12NA	Dry	390	12.1	13.5
	Wet	350	10.9	12.1
SLZ-KA15NA	Dry	390	12.1	13.5
	Wet	350	10.9	12.1

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position.
The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA (SLZ Combination)

Model name	Indoor unit		SLZ-KA09NA	SLZ-KA12NA	SLZ-KA15NA
	Outdoor unit		SUZ-KA09NA	SUZ-KA12NA	SUZ-KA15NA
Cooling	Max. Capacity	Btu/h	10,900	13,300	17,700
	Rated Capacity	Btu/h	8,400	11,100	15,000
	Min. Capacity	Btu/h	3,100	3,400	3,800
	Total input	W	700	920	1,460
	EER	Btu/h	12	12	10.2
	SEER	Btu/h	15	15.4	16
	Moisture Removal	Pints/h	1.2	2.3	4.5
	*1 SHF		0.84	0.77	0.67
Heating	Max. Capacity	Btu/h	14,100	17,100	22,200
	Rated Capacity	Btu/h	10,900	13,600	18,000
	Min. Capacity	Btu/h	3,100	3,100	3,100
	Total input	W	930	1,180	1,950
	COP	W/W	3.44	3.38	2.71
	*1 HSPF(IV)	Btu/h/W	9.6	9.6	9.6
Heating at low ambient	Capacity	Btu/h	8,300	10,200	13,400
	Total input	W	1,040	1,310	1,970
	*2 COP	W/W	2.33	2.28	1.99
Power factor	Cooling (208/230)	%			
	Heating (208/230)	%			
Power supply	Phase,Cycle,Voltage		1phase, 60Hz, 208/230V		
	Breaker size	A	15		
Voltage	Indoor - Outdoor S1-S2		AC208 / 230V		
	Indoor - Outdoor S2-S3		DC 12 - 24V		
	Indoor - Remote controller		DC 12V		
Indoor unit	MCA	A	1		
	MOCP	A	15		
	Fan Motor	F.L.A	0.23	0.28	0.28
	Fan Motor Output	W	15	20	20
	Air flow DRY	CMM	8 - 9 - 10	8 - 9 - 11	8 - 9 - 11
	(Lo-Mid-Hi) WET	CMM	7 - 8 - 9	7 - 8 - 10	7 - 8 - 10
	Air flow DRY	CFM	280 - 320 - 350	280 - 320 - 390	280 - 320 - 390
	(Lo-Mid-Hi) WET	CFM	250 - 290 - 320	250 - 290 - 350	250 - 290 - 350
	Sound level (Lo-Mid-Hi)	dB (A)	29 - 32 - 38	30 - 34 - 39	31 - 35 - 40
	External finish		Unit: Galvanized sheets with gray heat insulation Grille: ABS resin Munsell 6.4Y 8.9/0.4		
	Dimension	W:mm [inch]	570 <650> [22-7/16 <25-19/32>]		
	Unit <Grille>	D:mm [inch]	570 <650> [22-7/16 <25-19/32>]		
		H:mm [inch]	235 <20> [9-1/4 <25/32>]		
	Weight	kg	16.5 <3>		
Unit <Grille>	lbs	36 <7>			
Field Drain pipe seize O.D.	mm [inch]	32 [1-1/4]			
Remote Controller			Optional parts		
Outdoor unit	MCA	A	12		
	MOCP	A	15		
	Fan Motor	F.L.A.	0.50		
	Fan Motor Output	W	55		
	Compressor		KNB073FQDHC	KNB092FQAHC	SNB130FQBH
		R.L.A.	6.6	7.4	7.4
		L.R.A.	8.2	9.3	9.3
	Air flow (Cooling/Heating)	CMM	32.6 / 34.7	34.8 / 33.2	35.2 / 34.8
		CFM	1,151 / 1,225	1,229 / 1,172	1,243 / 1,229
	Refrigerant Control	Linear Expansion Valve			
	Defrost Method	Reverse Cycle			
	Sound level at cooling	dB (A)	46	49	49
	Sound level at heating	dB (A)	50	51	51
	External finish		Ivory Munsell 3Y 7.8/1.1		
	Dimension	W:mm [inch]	800 [31-1/2]		
		D:mm [inch]	285 [11-1/4]		
		H:mm [inch]	550 [21-5/8]		
Weight	kg [lbs]	30 [66]	35 [77]	36 [80]	
Refrigerant	Type	R410A			
	Charge	kg [lbs.oz]	0.9 [1 lb 16 oz]	1.15 [2 lb 9 oz]	
	Oil	L [fl oz]	0.32 (NEO 22) [10.8]	0.45 (NEO 22) [15.2]	
Refrigerant pipe size	Gas side O.D.	mm [inch]	9.52 [3/8]		
	Liquid side O.D.	mm [inch]	6.35 [1/4]		
Refrigerant pipe length	Height difference	Max. 12 m [Max. 40 ft]			
	Length	Max. 20 m [Max. 65 ft]			
Refrigerant Piping	Not Supplied				
Connection Method	Flared				

NOTES : *1.Rating conditions (cooling)-Indoor : D.B. 26.7°C (80°F), W.B. 19.4°C (67°F) Outdoor : D.B. 35°C (95°F), W.B. 23.9°C (75°F)
(heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor : D.B. 8.3°C (47°F), W.B. 6.1°C (43°F)
*2.Rating conditions(heating)-Indoor : D.B. 21.1°C (70°F), W.B. 15.6°C (60°F) Outdoor : D.B. -8.3°C (17°F), W.B. -9.4°C (15°F)

Operating range

		Indoor intake air temperature		Outdoor intake air temperature	
		Maximum	Minimum	Maximum	Minimum
Cooling	Maximum	D.B. 35°C (95°F), W.B. 21.7°C (71°F)		D.B. 46°C (115°F)	
	Minimum	D.B. 19.4°C (67°F), W.B. 13.9°C (57°F)		D.B. -10°C (14°F)	
Heating	Maximum	D.B. 26.7°C (80°F), W.B. 19.4°C (67°F)		D.B. 24°C (75°F), W.B. 18°C (65°F)	
	Minimum	D.B. 21.1°C (70°F), W.B. 15.6°C (60°F)		D.B. -20°C (-4°F), W.B. -21°C (-5°F)	

MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA

1. Single connection

Indoor model			MFZ-KJ09NA	MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
Power supply	V, phase, Hz		208/230, 1, 60			
Max. fuse size (time delay)/ Disconnect switch	A		15		20	
Airflow Super High - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	417 - 360 - 272 - 198 - 138 (354 - 306 - 231 - 168 - 117)		431 - 392 - 311 - 254 - 198 (366 - 333 - 264 - 216 - 168)	491 - 420 - 328 - 254 - 198 (417 - 357 - 279 - 216 - 168)
	HEAT Dry	CFM	417 - 328 - 254 - 191 - 138		470 - 399 - 328 - 268 - 212	
Sound level Super High - High - Med. - Low - Quiet	Cooling	dB (A)	46 - 41 - 34 - 27 - 21		47 - 43 - 38 - 33 - 28	50 - 45 - 39 - 33 - 28
	Heating	dB (A)	46 - 40 - 34 - 27 - 21		49 - 45 - 40 - 35 - 29	49 - 45 - 40 - 35 - 29
Cond. drain connection O.D.	in.		5/8			
Dimensions	W		29-17/32			
	D	in.	8-15/32			
	H		23-5/8			
Weight	lb.		33			
External finish			White			
Control voltage (by built-in transformer)			12 - 24 VDC			

NOTE: Test conditions are based on ARI 210/240.

2. Multi connection

Indoor model			MFZ-KJ09NA	MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
Power supply	V, phase, Hz		208/230, 1, 60			
Max. fuse size (time delay)/ Disconnect switch	A		15		20	
Airflow Super High - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	275 - 251 - 208 173 - 138 (234 - 213 - 177 - 147 - 117)		374 - 328 - 282 - 237 - 198 (318 - 279 - 240 - 201 - 168)	
	HEAT Dry	CFM	343 - 219 - 180 - 159 - 138		470 - 325 - 290 - 254 - 212	
Sound level Super High - High - Med. - Low - Quiet	Cooling	dB (A)	38 - 34 - 30 - 25 - 21		43 - 40 - 36 - 31 - 28	
	Heating	dB (A)	41 - 32 - 27 - 24 - 21		49 - 39 - 36 - 34 - 29	
Cond. drain connection O.D.	in.		5/8			
Dimensions	W		29-17/32			
	D	in.	8-15/32			
	H		23-5/8			
Weight	lb.		33			
External finish			White			
Control voltage (by built-in transformer)			12 - 24 VDC			

NOTE: Test conditions are based on ARI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	<p>Min. 187 208 230 Max. 253</p>

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

OUTLET AIR SPEED AND COVERAGE

1. Single connection

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MFZ-KJ09NA MFZ-KJ12NA	HEAT	Dry	417	20.3	29.6
	COOL	Dry	417	20.3	29.6
		Wet	354	17.2	25.3
MFZ-KJ15NA	HEAT	Dry	470	22.9	33.3
	COOL	Dry	431	21.0	30.6
		Wet	366	17.8	26.2
MFZ-KJ18NA	HEAT	Dry	470	22.9	33.3
	COOL	Dry	491	23.9	34.8
		Wet	417	20.3	29.7

- The air coverage is the figure up to the position where the air speed is 1 ft./s., when air is blown out horizontally from the unit properly at the High speed position. The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

2. Multi connection

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s.)	Coverage (ft.)
MFZ-KJ09NA MFZ-KJ12NA	HEAT	Dry	343	16.7	24.5
	COOL	Dry	275	13.4	19.8
		Wet	234	11.4	16.9
MFZ-KJ15NA MFZ-KJ18NA	HEAT	Dry	470	22.9	33.3
	COOL	Dry	374	18.2	26.7
		Wet	318	15.5	22.8

MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ

Outdoor unit model			MUFZ-KJ09NAHZ	MUFZ-KJ12NAHZ	MUFZ-KJ15NAHZ	MUFZ-KJ18NAHZ
Capacity Rated (Minimum–Maximum)	Cooling *1	Btu/h	9,000 (2,300 - 14,000)	12,000 (2,300 - 15,000)	15,000 (5,300 - 19,000)	17,000 (5,300 - 22,500)
	Heating 47 *1	Btu/h	11,000 (2,900 - 19,000)	13,000 (2,900 - 22,800)	18,000 (5,700 - 25,000)	21,000 (5,700 - 29,000)
Capacity Rated (Maximum)	Heating 17 *2	Btu/h	7,500 (13,400)	8,800(14,800)	12,000 (20,500)	12,800 (23,000)
Power consumption Rated (Minimum–Maximum)	Cooling *1	W	570 (180 - 1,250)	890 (180 - 1,380)	1,120 (420 - 1,850)	1,350 (420 - 2,320)
	Heating 47 *1	W	750 (270 - 2,370)	900 (270 - 2,390)	1,410 (480 - 3,410)	1,730 (480 - 3,430)
Power consumption Rated (Maximum)	Heating 17 *2	W	810 (1,860)	930 (1,890)	1,300 (3,190)	1,430 (3,210)
EER *1 [SEER] *3	Cooling		15.8 [28.2]	13.6 [25.5]	13.5 [21.8]	12.6 [21.0]
HSPF IV *4	Heating		13.0	12.0	11.6	11.3
COP	Heating *1		4.3	4.2	3.7	3.5
Power supply	V , phase , Hz		208/230, 1 , 60			
Max. fuse size (time delay)	A		15		20	
Min. circuit ampacity	A		11		16	
Fan motor	F.L.A		0.50		0.93	
Compressor	Model		SNB140FQUMT		SNB172FQKMT	
	R.L.A		8.2		12.0	
	L.R.A		10.3		15.0	
	Refrigeration oil	fl oz. (L) (Model)	11.8 (0.35)/(FV50S)		13.5 (0.40)/(FV50S)	
Refrigerant control			Linear expansion valve			
Sound level *1	Cooling	dB(A)	48	48	51	51
	Heating	dB(A)	50	50	55	55
Defrost method			Reverse cycle			
Dimensions	W	in.	31-1/2		33-1/16	
	D	in.	11-1/4		13	
	H	in.	21-5/8		34-5/8	
Weight	lb.		83		124	
External finish			Munsell 3Y 7.8/1.1			
Remote controller			Wireless type			
Control voltage (by built-in transformer)		VDC	12 - 24			
Refrigerant piping			Not supplied			
Refrigerant pipe size (Min. wall thickness)	Liquid	in.	1/4 (0.0315)			
	Gas	in.	3/8 (0.0315)		1/2 (0.0315)	
Connection method	Indoor		Flared			
	Outdoor		Flared			
Between the indoor & outdoor units	Height difference	ft.	40		50	
	Piping length	ft.	65		100	
Refrigerant charge (R410A)			2 lb. 10 oz.		3 lb. 5 oz.	

NOTE: Test conditions are based on AHRI 210/240.

*1: Rating conditions (Cooling) — Indoor: 80°FDB, 67°FWB, Outdoor: 95°FDB, (75°FWB)

(Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 47°FDB, 43°FWB

*2: (Heating) — Indoor: 70°FDB, 60°FWB, Outdoor: 17°FDB, 15°FWB

Test condition

※3,※4

ARI	Mode	Test	Indoor air condition (°F)		Outdoor air condition (°F)	
			Dry bulb	Wet bulb	Dry bulb	Wet bulb
	SEER (Cooling)	"A-2" Cooling Steady State at rated compressor Speed	80	67	95	(75)
		"B-2" Cooling Steady State at rated compressor Speed	80	67	82	(65)
		"B-1" Cooling Steady State at minimum compressor Speed	80	67	82	(65)
		"F-1" Cooling Steady State at minimum compressor Speed	80	67	67	(53.5)
		"E-V" Cooling Steady State at Intermediate compressor Speed ※5	80	67	87	(69)
	HSPF (Heating)	"H1-2" Heating Steady State at rated compressor Speed	70	60	47	43
		"H3-2" Heating at rated compressor Speed	70	60	17	15
		"H0-1" Heating Steady State at minimum compressor Speed	70	60	62	56.5
		"H1-1" Heating Steady State at minimum compressor Speed	70	60	47	43
		"H2-V" Heating at Intermediate compressor Speed ※5	70	60	35	33

※5: At Intermediate compressor Speed
= ("Rated compressor speed" - "minimum compressor speed") / 3 + "minimum compressor speed".

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Outdoor unit	208/230 V 1 phase 60 Hz	<p>Min. 187 208 230 Max. 253</p>

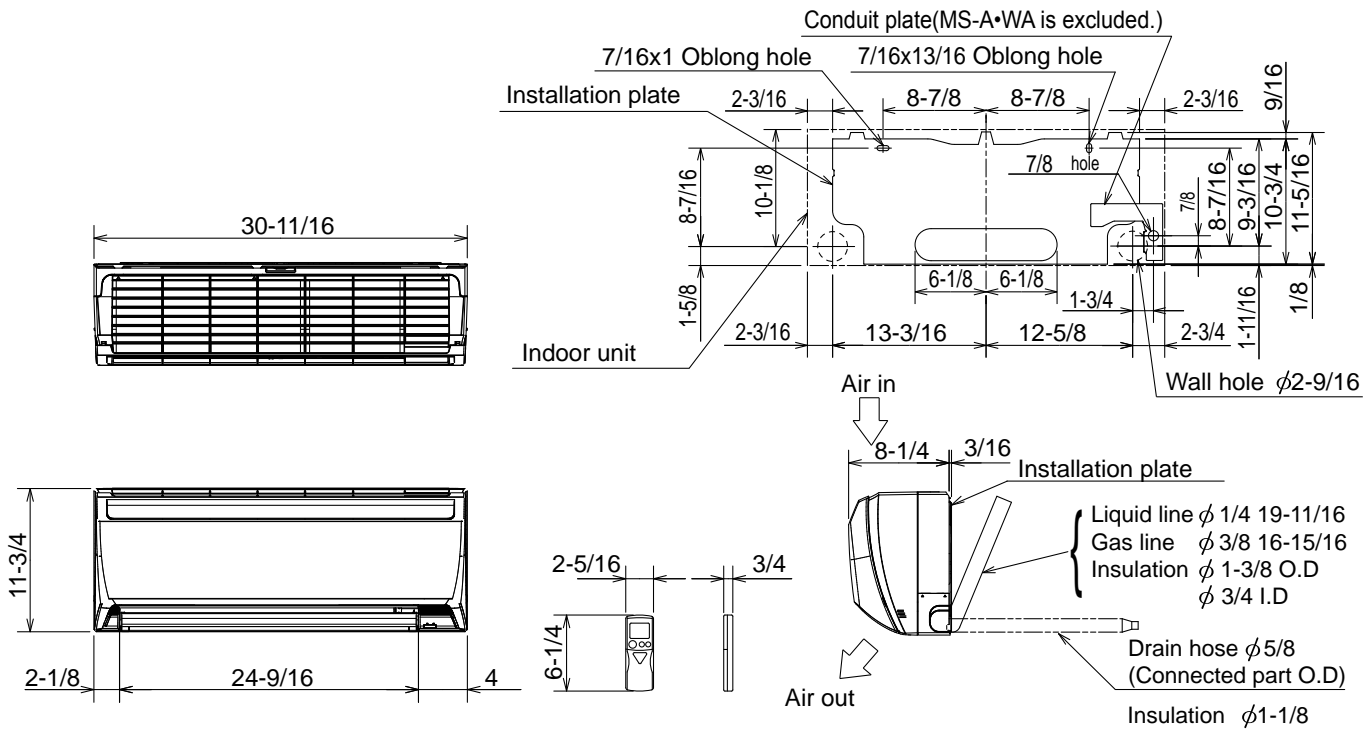
(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78 %		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

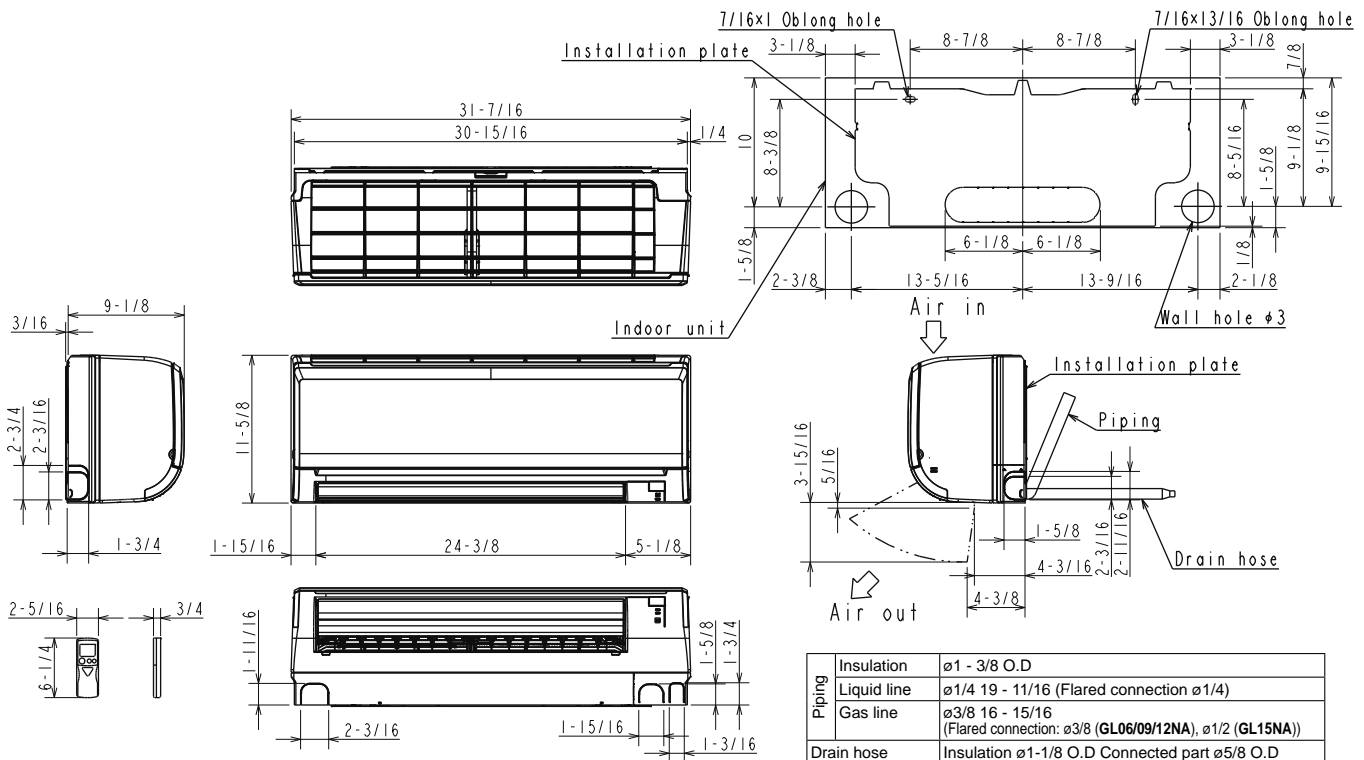
3 | OUTLINES AND DIMENSIONS

3-1. INDOOR UNIT MS-A09WA MS-A12WA

Unit: inch

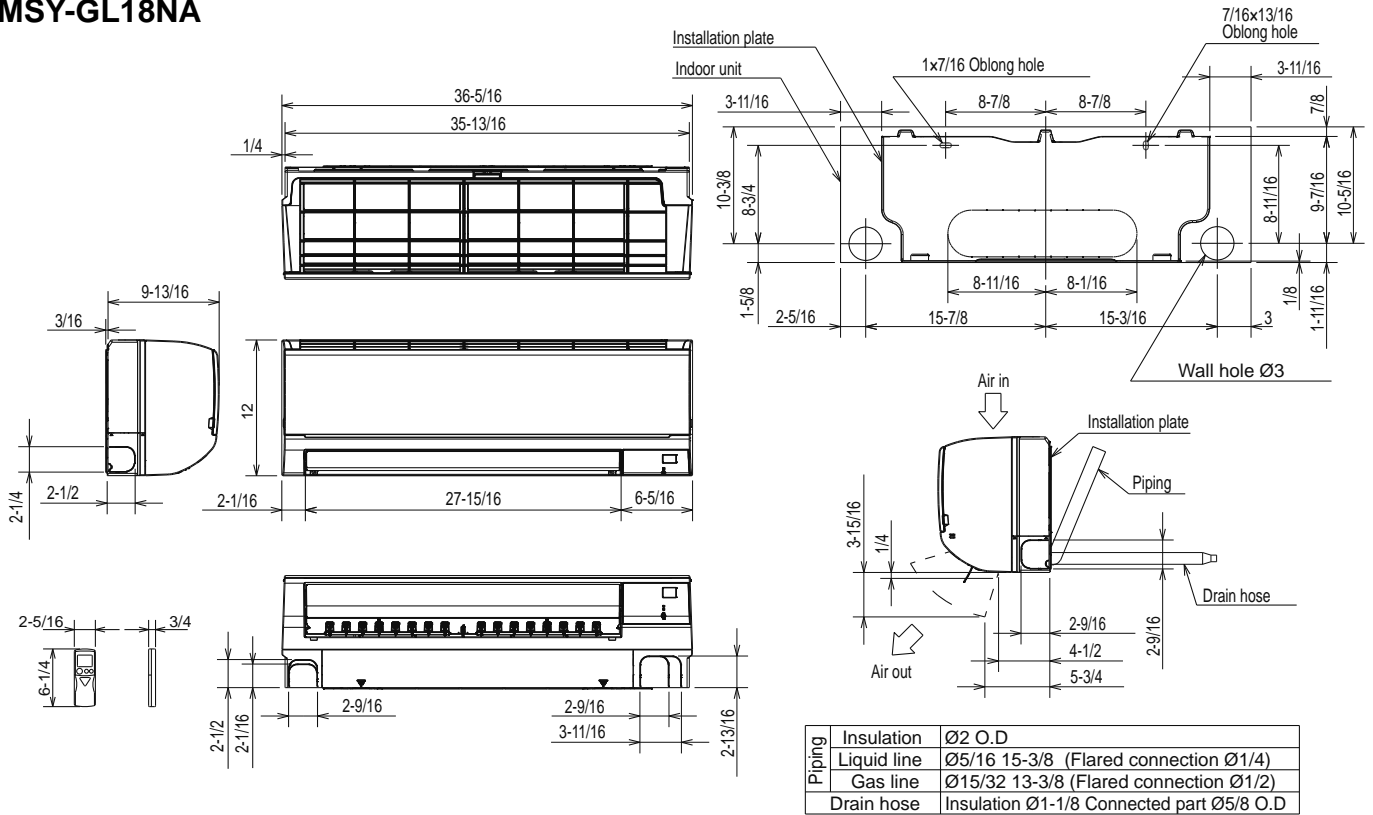


MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA MSY-GL09NA MSY-GL12NA MSY-GL15NA

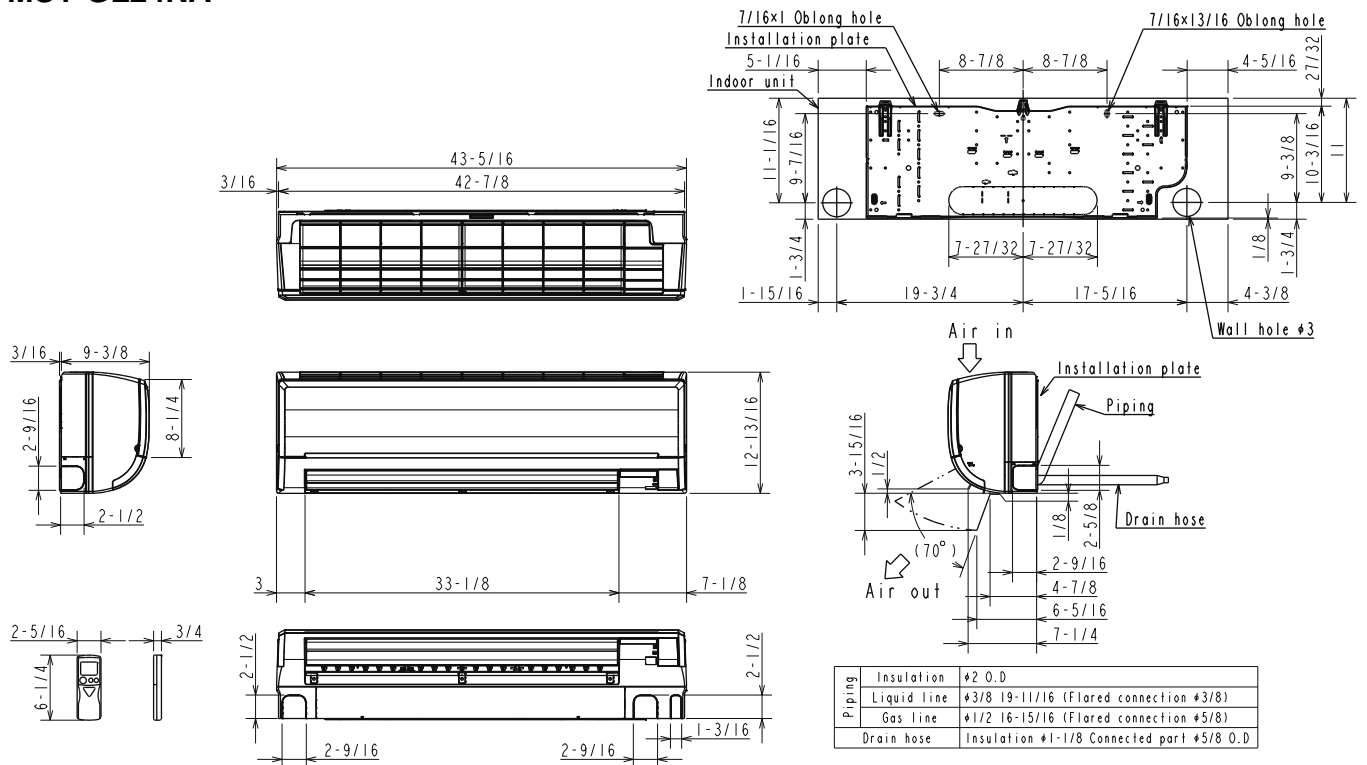


**MSZ-GL18NA
MSY-GL18NA**

Unit: inch

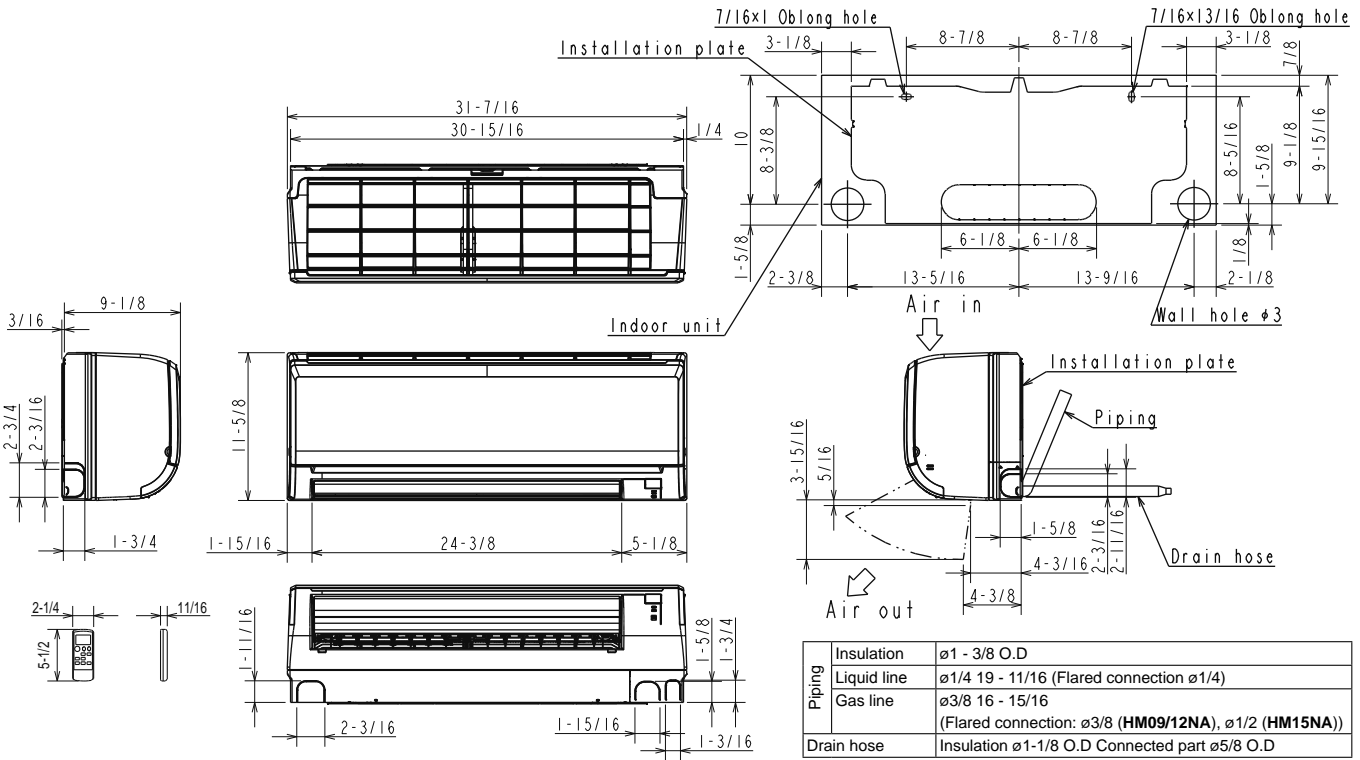


**MSZ-GL24NA
MSY-GL24NA**

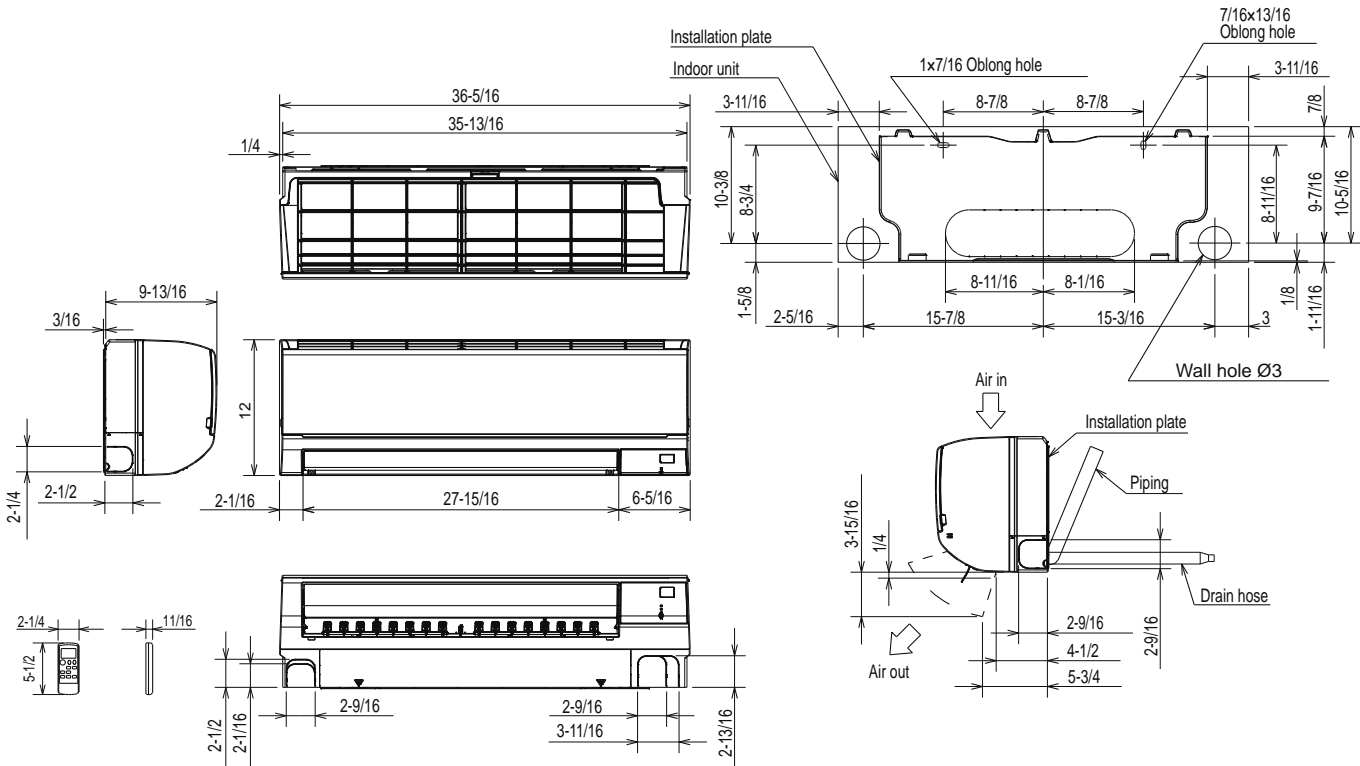


MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA

Unit: inch



MSZ-HM18NA MSZ-HM24NA



MSY-HM18NA

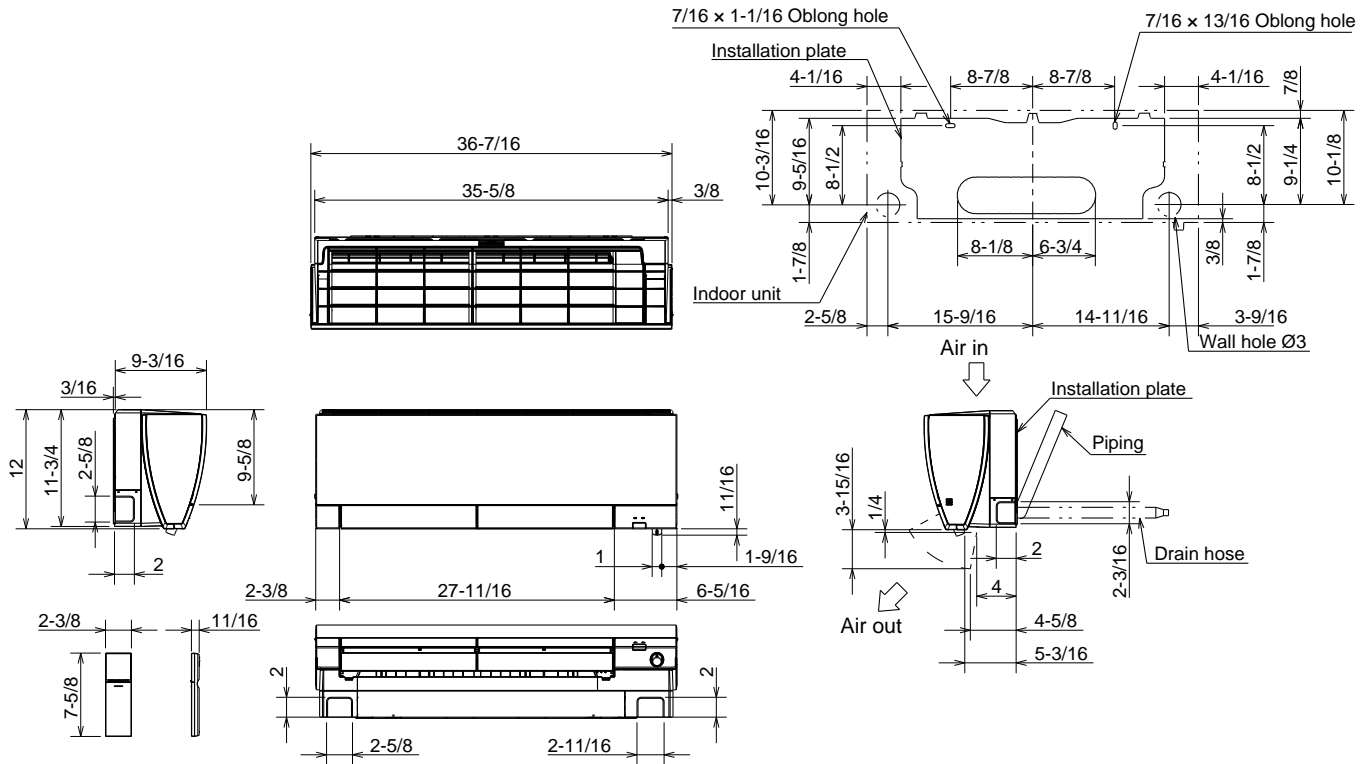
Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø1/4)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø1/2)
Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D	

MSY-HM24NA

Piping	Insulation	Ø2 O.D
	Liquid line	Ø5/16 15-3/8 (Flared connection Ø3/8)
	Gas line	Ø15/32 13-3/8 (Flared connection Ø5/8)
Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D	

MSZ-FH06NA MSZ-FH09NA MSZ-FH12NA MSZ-FH15NA MSZ-FH18NA2

Unit: inch



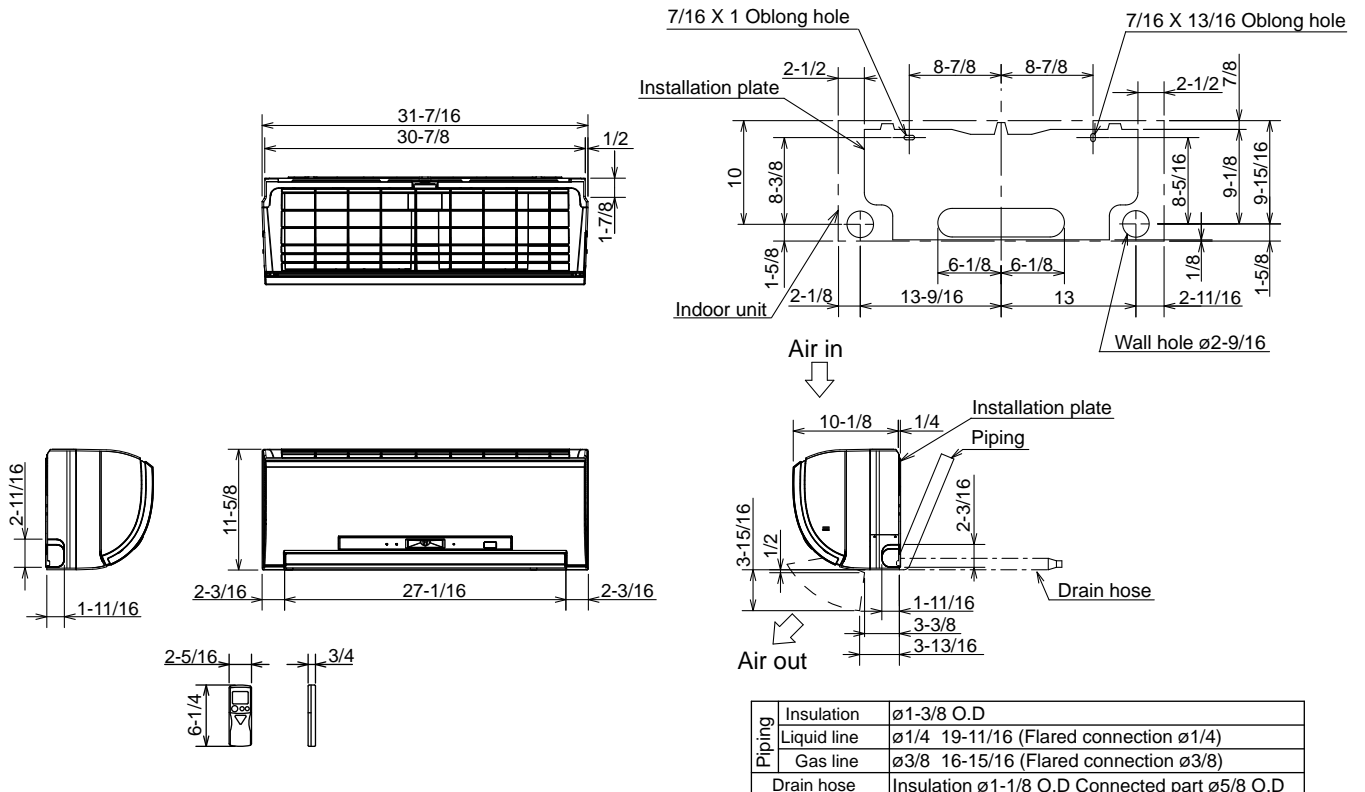
(MSZ-FH06/09/12NA)

Piping	Insulation	Ø1-7/16 O.D
	Liquid line	Ø1/4 19-11/16 (Flared connection Ø1/4)
	Gas line	Ø3/8 16-15/16 (Flared connection Ø3/8)
	Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

(MSZ-FH15NA, MSZ-FH18NA2)

Piping	Insulation	Ø1-7/16 O.D
	Liquid line	Ø1/4 19-11/16 (Flared connection Ø1/4)
	Gas line	Ø3/8 16-15/16 (Flared connection Ø1/2)
	Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

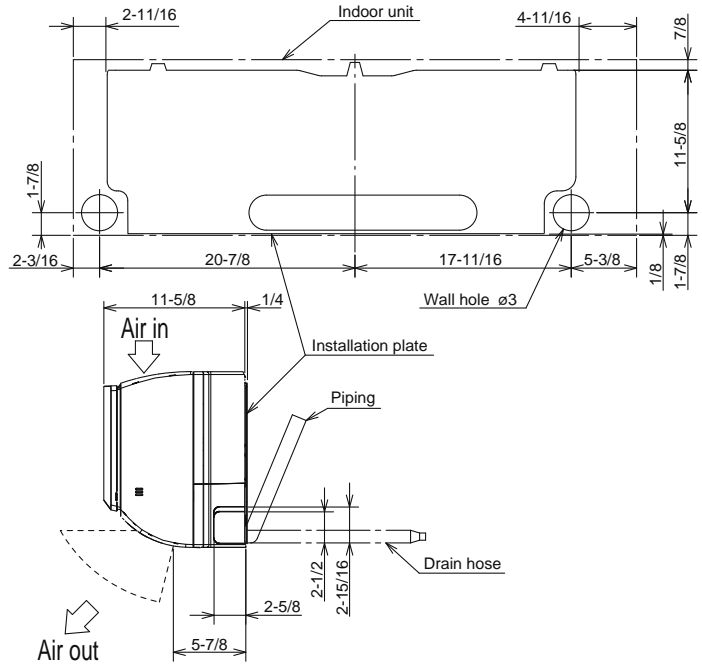
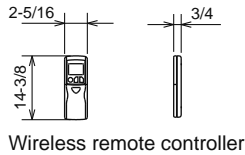
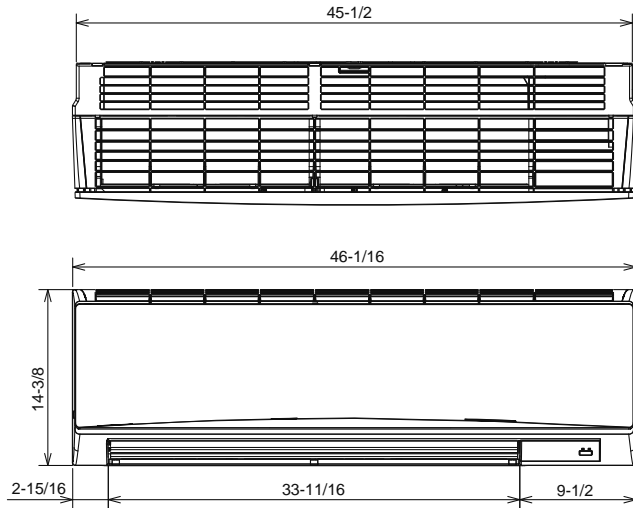
MSZ-FE09NA MSZ-FE12NA



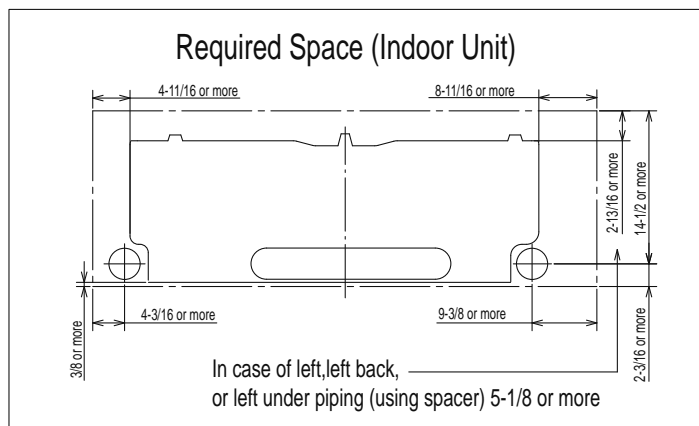
Piping	Insulation	Ø1-3/8 O.D
	Liquid line	Ø1/4 19-11/16 (Flared connection Ø1/4)
	Gas line	Ø3/8 16-15/16 (Flared connection Ø3/8)
	Drain hose	Insulation Ø1-1/8 O.D Connected part Ø5/8 O.D

MSZ-D30NA MSZ-D36NA MSY-D30NA MSY-D36NA

Unit: inch

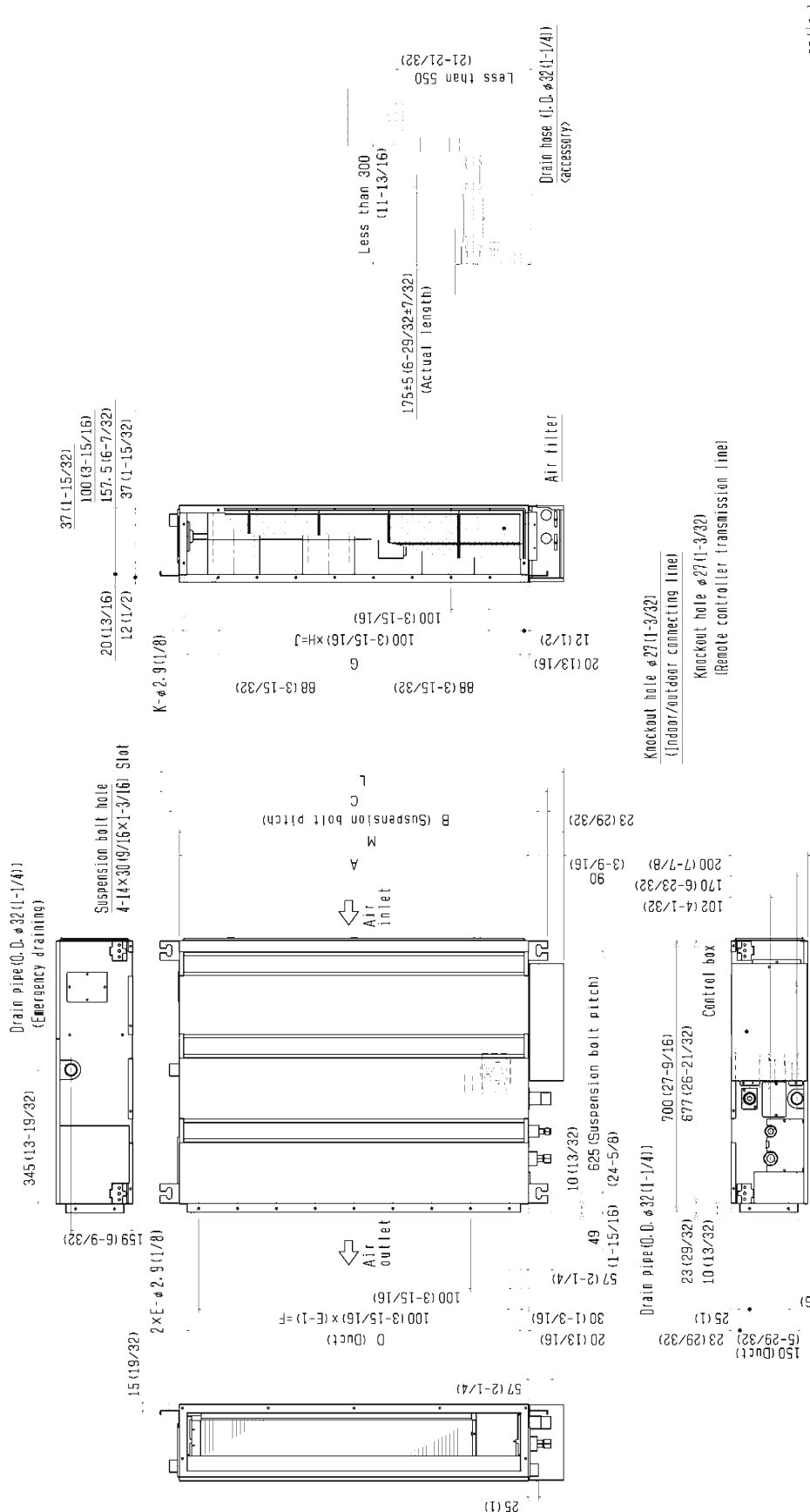


	Piping	Insulation
Liquid line	ø3/8 19-11/16 (Flared connection ø3/8)	ø1-1/4 O.D ø9/16 I.D
Gas line	ø5/8 16-7/8 (Joint connection ø5/8)	ø1-15/16 O.D ø1-1/4 I.D
Joint	ø5/8 (Flared connection ø5/8)	ø1-15/16 O.D ø1-1/4 I.D
Drain hose	Insulation ø1-1/8 Connected part ø5/8 O.D	



SEZ-KD09NA4 SEZ-KD12NA4 SEZ-KD15NA4 SEZ-KD18NA4

Unit: mm (inch)



1. Refrigerant piping
Flare connection (gas)
2. Refrigerant piping
Flare connection (liquid)
3. Knockout hole (Indoor/outdoor connecting line)
Knockout hole (Remote controller transmission line)
4. Drain pipe (O.D. ϕ 32(1-1/4))
Terminal block (Indoor/outdoor connecting line)
Terminal block (Remote controller transmission line)
5. Drain pipe (O.D. ϕ 32(1-1/4))
Spontaneous draining
6. Drain pipe (O.D. ϕ 32(1-1/4))
(Emergency draining)
7. Suspension bolt hole
4- $11 \times 30(9/16 \times 1-3/16)$ Slot
8. Drain pipe (O.D. ϕ 32(1-1/4))
(Emergency draining)
9. Air inlet
10. Air outlet
11. Air filter
12. Drain hose (I.D. ϕ 32(1-1/4))
(Accessories)
13. Less than 300
(11-13/16)
14. 175 \pm 5 (6-29/32 \pm 7/32)
(Actual length)
15. Less than 550
(21-21/32)

Model	A	B	C	D	E	F	G	H	J	K	L	M	① Gas pipe	② Liquid pipe
SEZ-KD09NA4	700 (27-5/16)	752 (29-5/8)	798 (31-1/8)	660 (26)	7	600 (23-5/8)	660 (26)	5	500 (19-1/2)	16	839 (33-1/8)	790 (31-1/8)	ϕ 9.52 (3/8)	ϕ 6.35 (1/4)
SEZ-KD12NA4	900 (35-1/8)	952 (37-1/2)	998 (39-5/16)	860 (33-7/8)	9	800 (31-1/2)	860 (33-7/8)	7	700 (27-9/16)	20	1039 (40-29/32)	990 (39)	ϕ 12.7 (1/2)	ϕ 6.35 (1/4)
SEZ-KD15NA4	1100 (43-5/16)	1152 (45-3/8)	1198 (47-2/16)	1060 (41-3/4)	11	1000 (39-3/8)	1060 (41-3/4)	9	900 (35-7/16)	24	1239 (48-29/32)	1190 (46-7/8)	ϕ 12.7 (1/2)	ϕ 6.35 (1/4)

mm (in.)

(Maintenance access space)
 Secure enough access space to allow for the maintenance, inspection, and replacement of the motor, fan, drain pump, heat exchanger, and electric box in one of the following ways.
 Select an installation site for the indoor unit so that its maintenance access space will not be obstructed by beams or other objects.

- (1) When a space of 300mm(11-13/16) or more is available below the unit between the unit and the ceiling. (Fig.1)
 - Create access door 1 and 2 (450x450mm(17-23/32) each) as shown in Fig.2.
 (Access door 2 is not required if enough space is available below the unit for a maintenance worker to work in.)
- (2) When a space of less than 300mm(11-13/16) is available below the unit between the unit and the ceiling.
 (At least 20mm(3/16) of space should be left below the unit as shown in Fig.3.)
 - Create access door 1 diagonally below the electric box and access door 3 below the unit as shown in Fig.4.
 or
 - Create access door 4 below the electric box and the unit as shown in Fig.5.

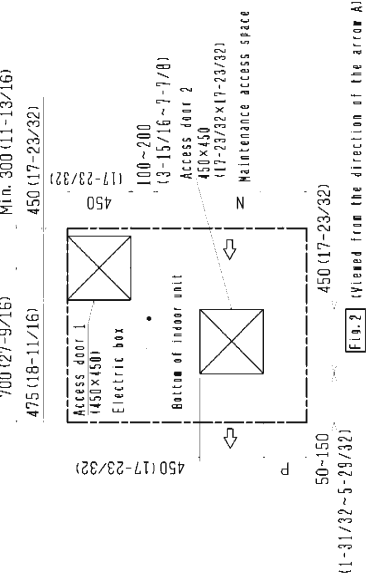
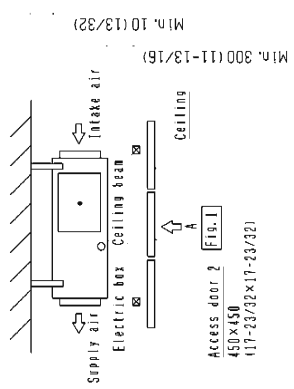


Fig.2 (Viewed from the direction of the arrow A)

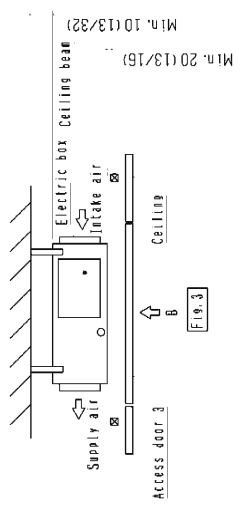


Fig.3

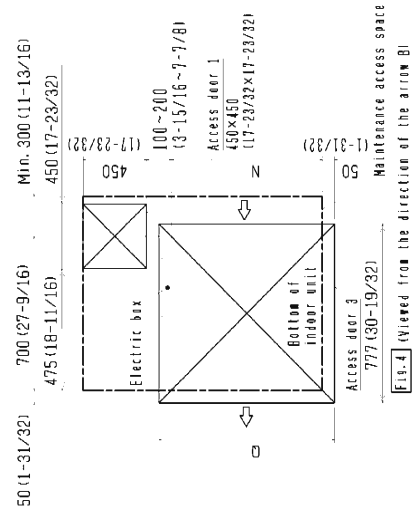


Fig.4 (Viewed from the direction of the arrow B)

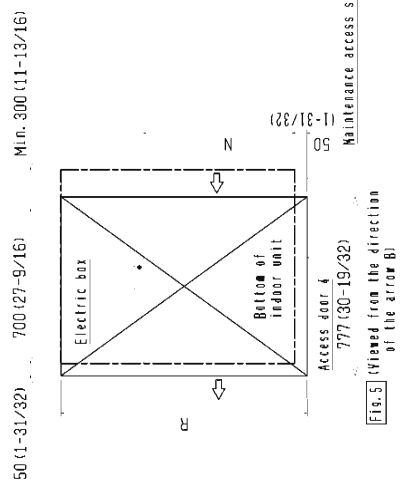
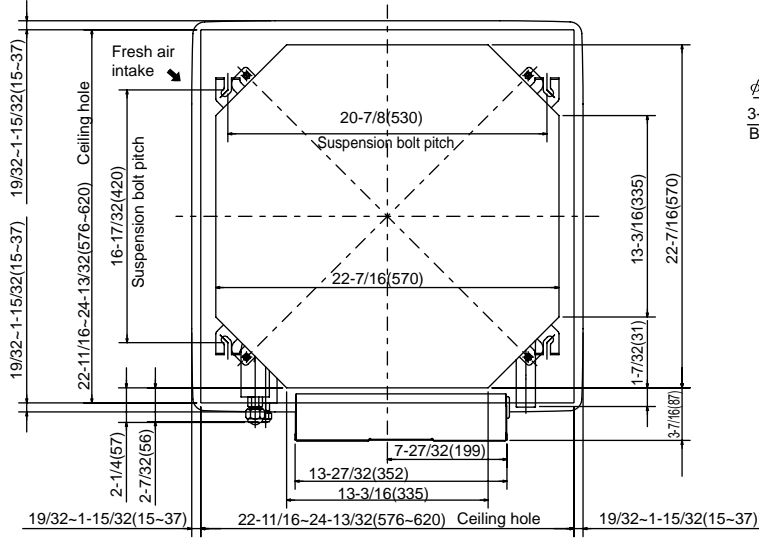


Fig.5 (Viewed from the direction of the arrow B)

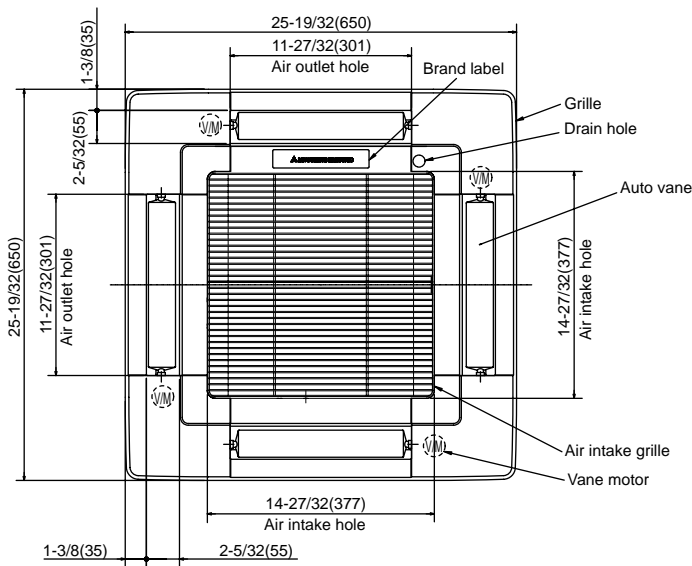
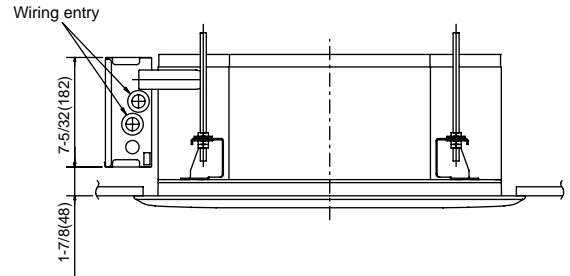
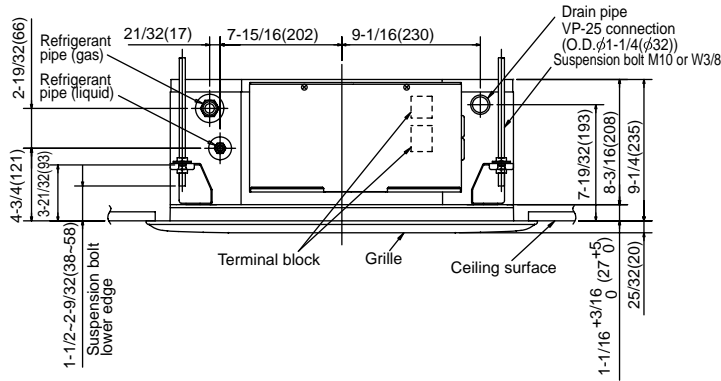
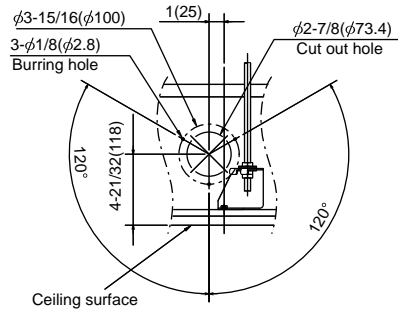
Model	N	P	Q	R
SEZ-KD09NA4	700 (27-9/16)	50~150 (2-3/32-5-29/32)	800 (31-7/8)	1300 (51-3/16)
SEZ-KD12NA4	900 (35-7/16)	150~250 (6-29/32-10-1/2)	1000 (39-3/8)	1500 (59-1/16)
SEZ-KD15NA4	1100 (43-5/16)	250~350 (10-1/8-13-25/32)	1200 (47-1/4)	1700 (66-15/16)

SLZ-KA09NA SLZ-KA12NA SLZ-KA15NA

Unit: inch(mm)



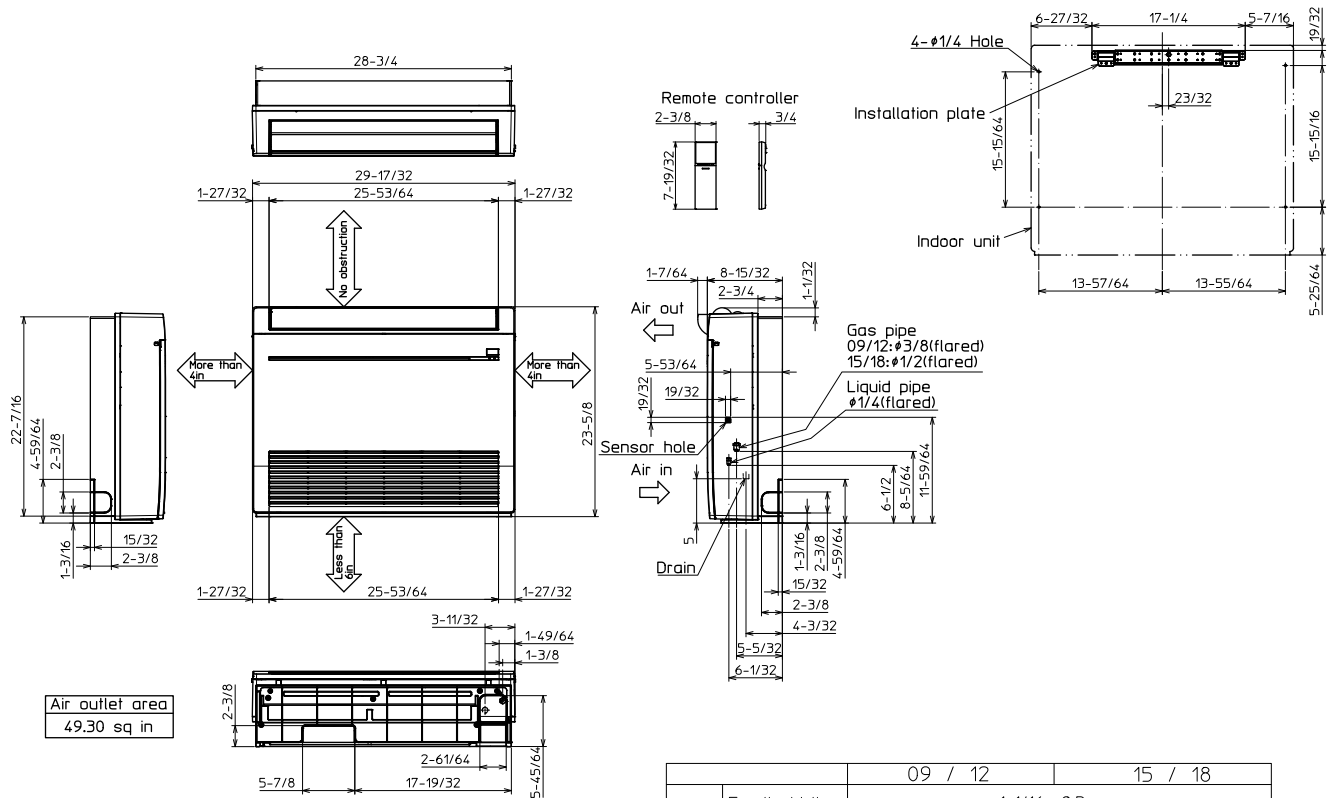
Detail drawing of fresh air intake



Models	Refrigerant pipe (liquid)	Refrigerant pipe (gas)
SLZ-KA09NA	1/4 inch ($\phi 6.35\text{mm}$) flared connection	3/8 inch ($\phi 9.52\text{mm}$) flared connection
SLZ-KA12NA	1/4 inch ($\phi 6.35\text{mm}$) flared connection	3/8 inch ($\phi 9.52\text{mm}$) flared connection
SLZ-KA15NA	1/4 inch ($\phi 6.35\text{mm}$) flared connection	1/2 inch ($\phi 12.7\text{mm}$) flared connection

MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA

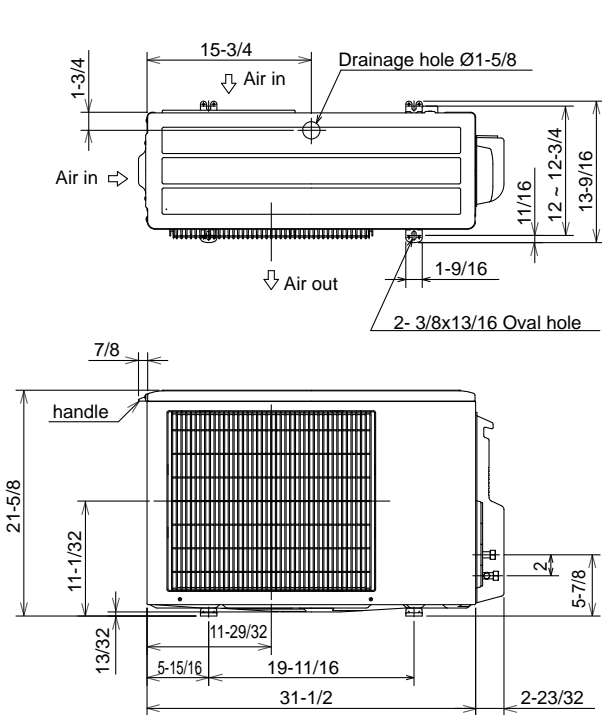
Unit: inch



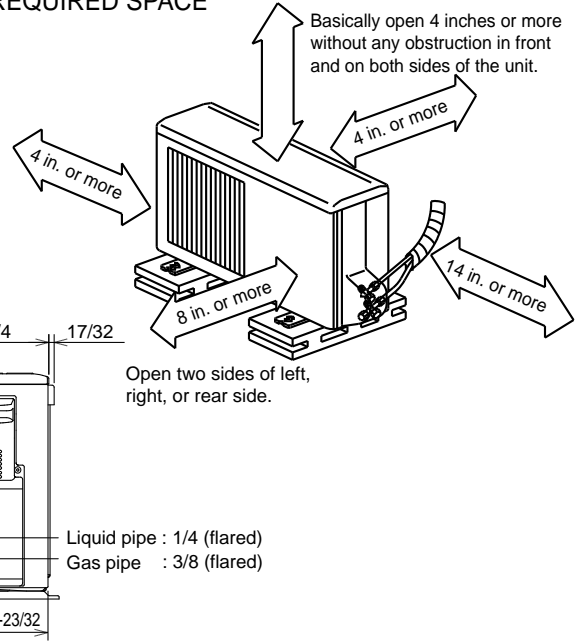
		09 / 12	15 / 18
Pipe cover	For liquid line	1-1/16 O.D	
	For gas line	1-1/16 O.D	1-7/32 O.D
Piping	Liquid line	Flared connection 1/4	
	Gas line	Flared connection 3/8	Flared connection 1/2
Drain hose		Heat insulator 1-9/64 O.D	Connection point 5/8 O.D Effective length 13-25/32 (case of right backward piping)

3-2. OUTDOOR UNIT MU-A09WA

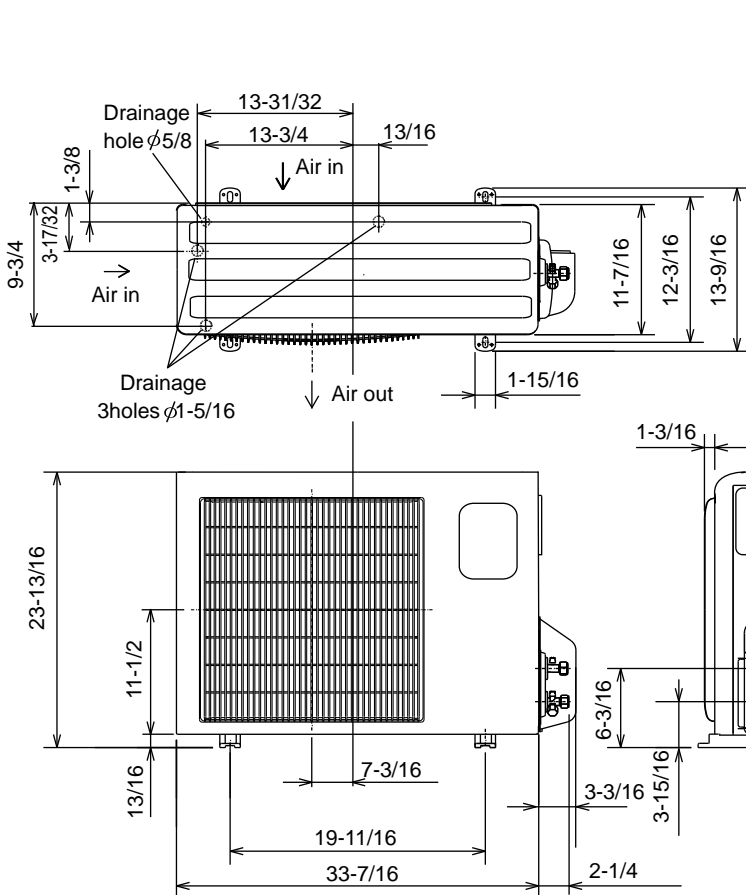
Unit: inch



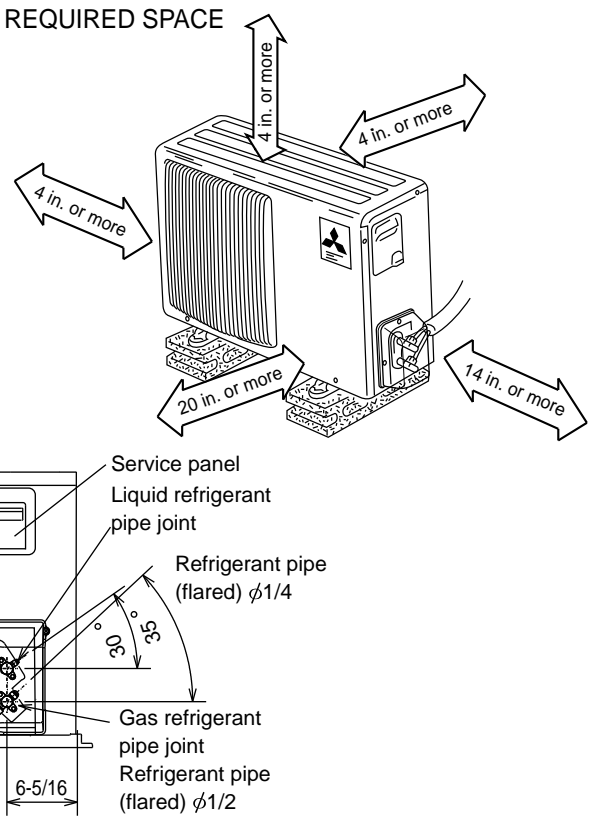
REQUIRED SPACE



MU-A12WA



REQUIRED SPACE

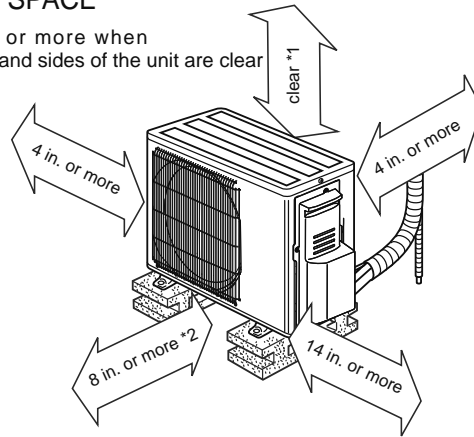


MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA
 MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA
 MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

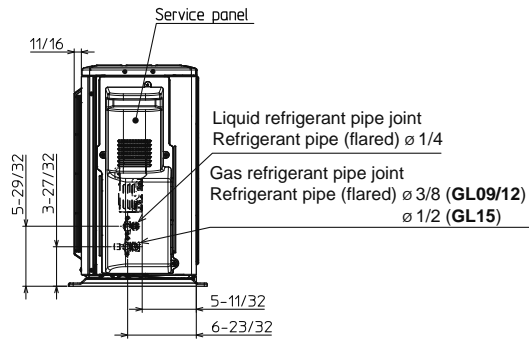
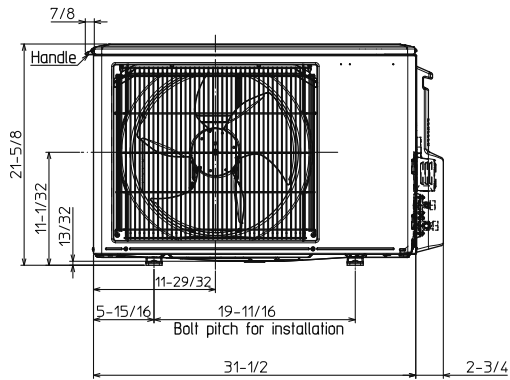
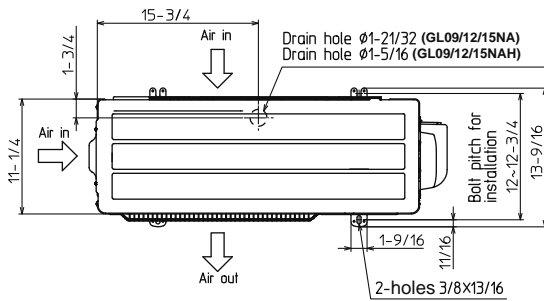
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

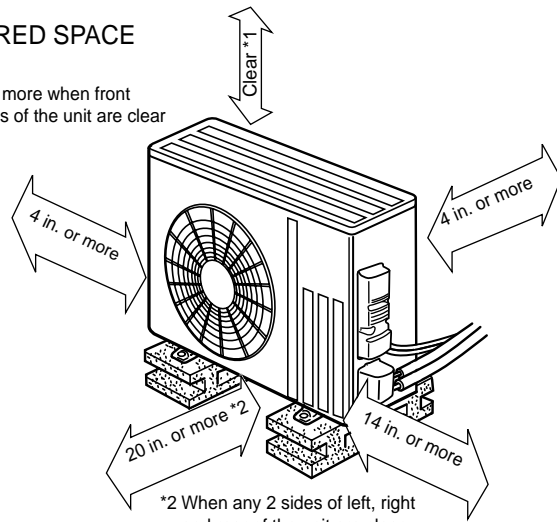
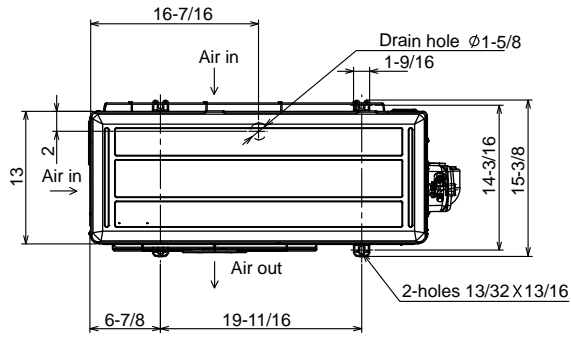


MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA
 MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

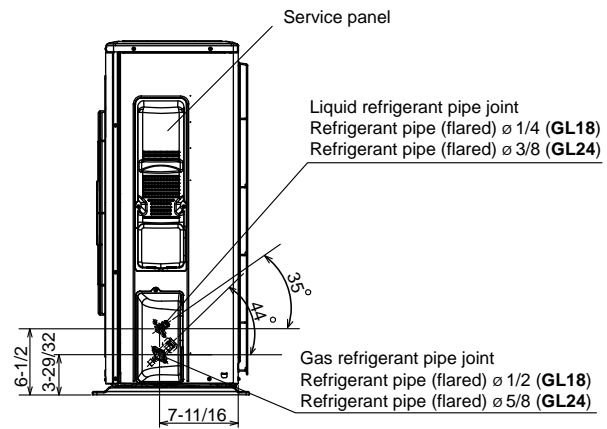
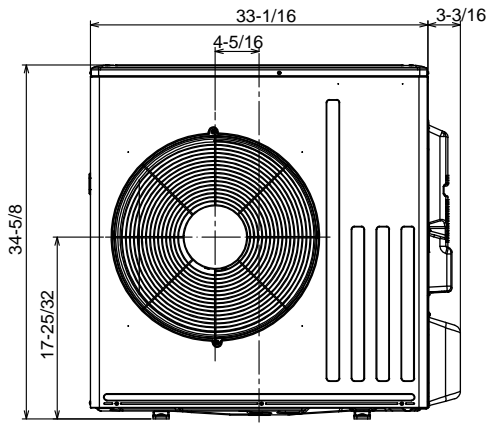
Unit: inch

REQUIRED SPACE

*1 20 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

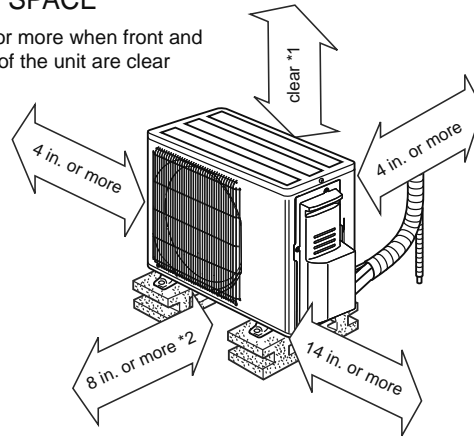


MUZ-HM09NA2 MUZ-HM12NA2 MUZ-HM15NA2 MUZ-HM18NA2

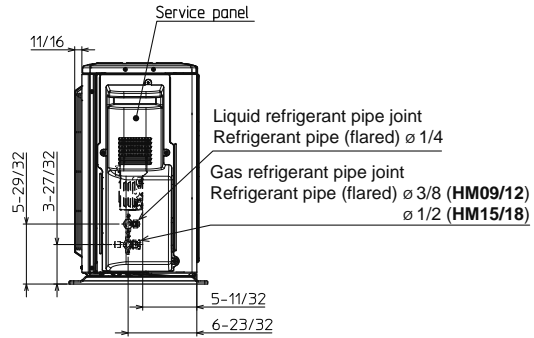
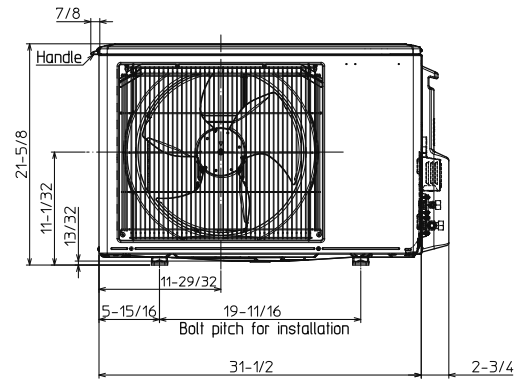
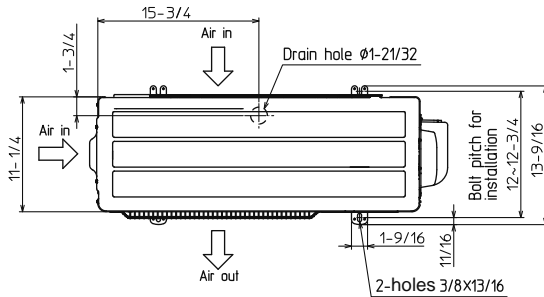
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

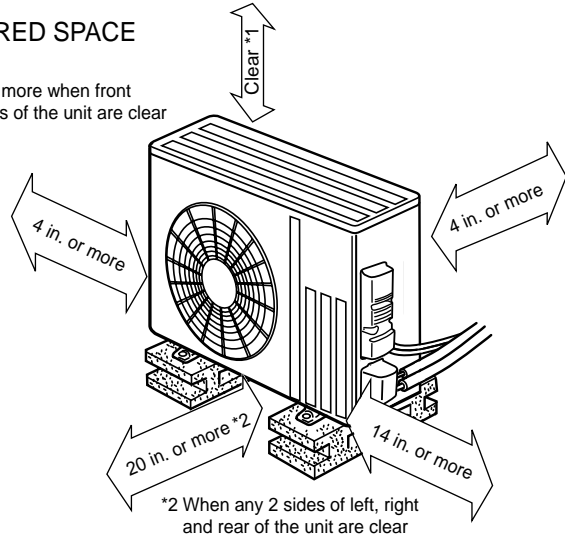
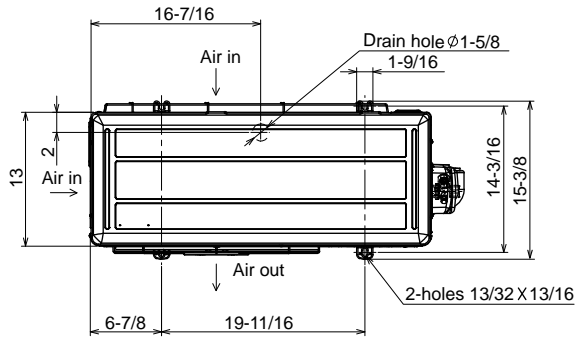


MUZ-HM24NA2

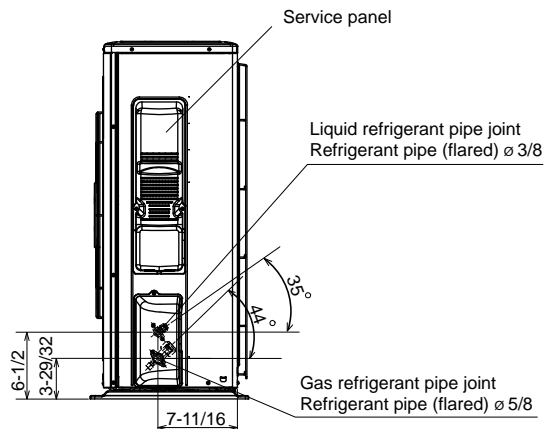
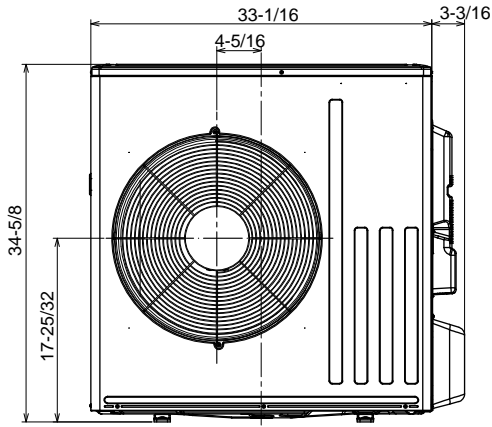
Unit: inch

REQUIRED SPACE

*1 20 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

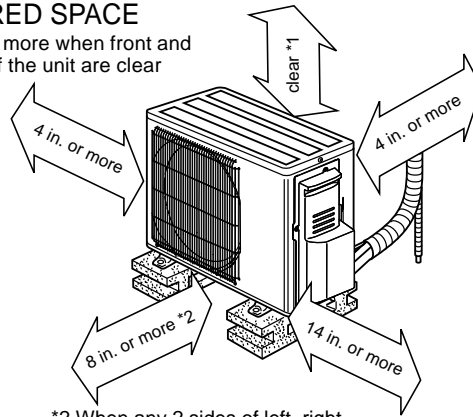


MUZ-FH06NA MUZ-FH09NA MUZ-FH12NA
MUZ-FH06NAH MUZ-FH09NAH MUZ-FH12NAH

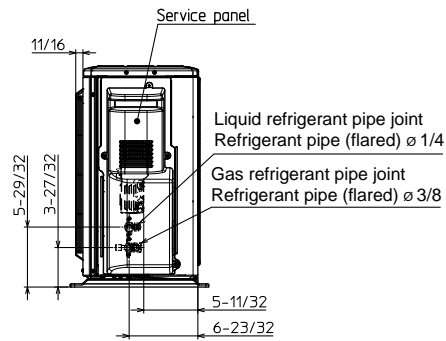
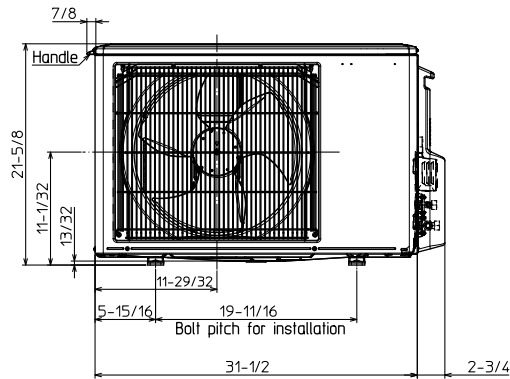
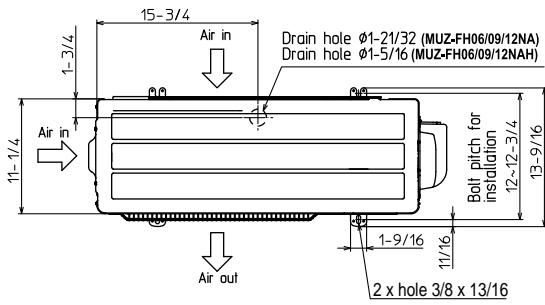
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

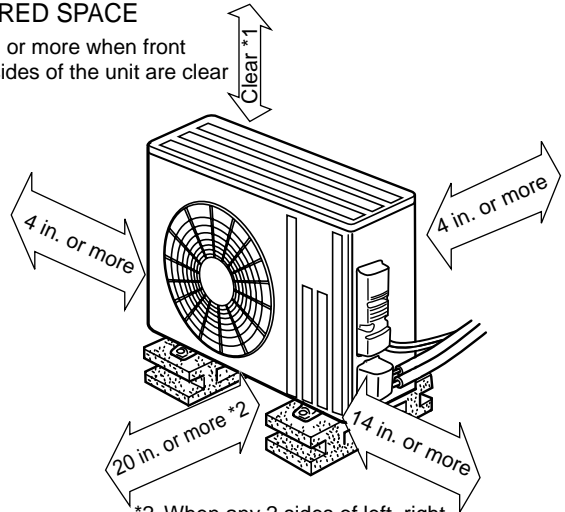
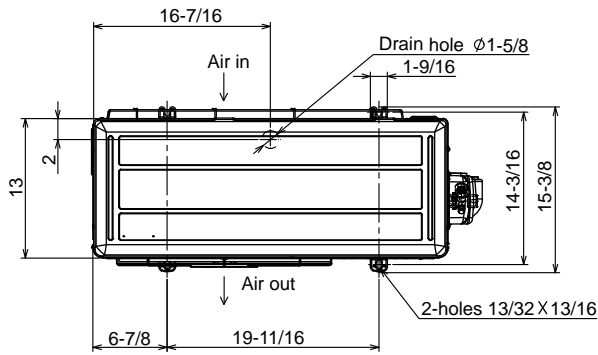


MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2

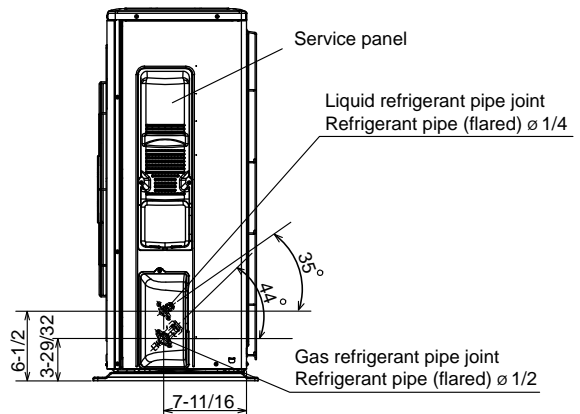
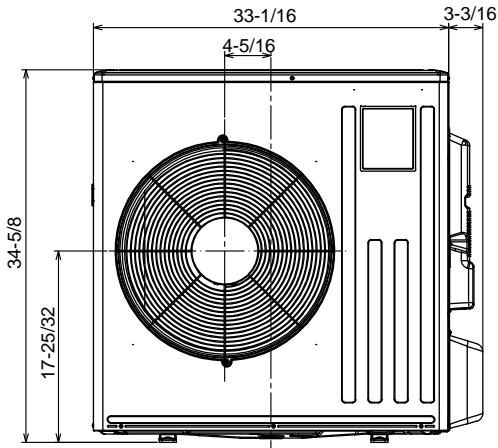
Unit: inch

REQUIRED SPACE

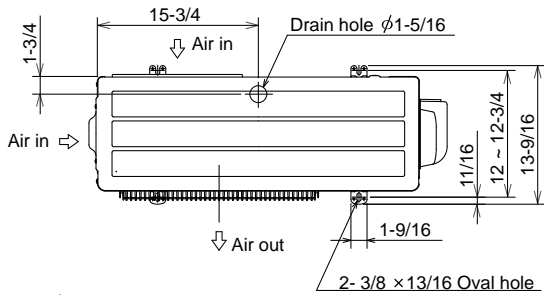
*1 20 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

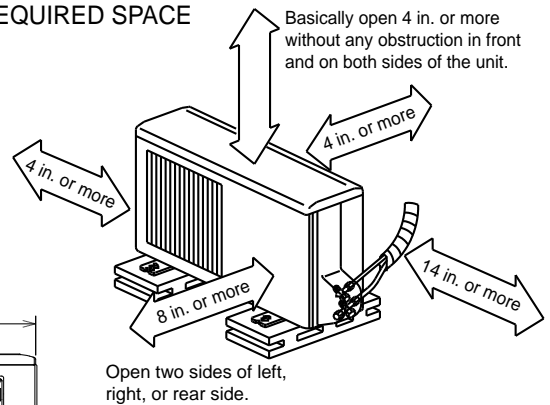
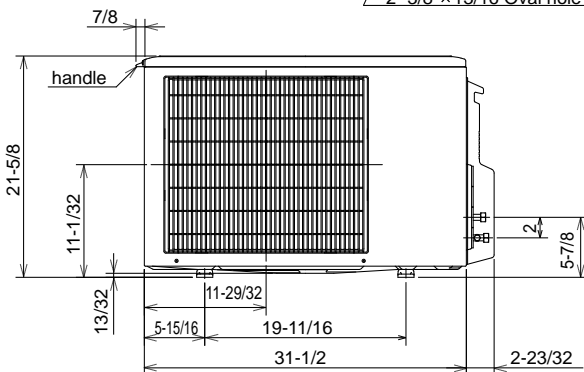


MUZ-FE09NAH MUZ-FE12NAH

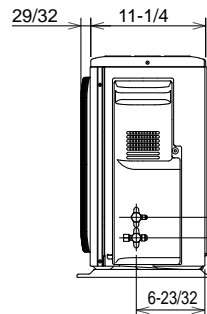


REQUIRED SPACE

Basically open 4 in. or more without any obstruction in front and on both sides of the unit.

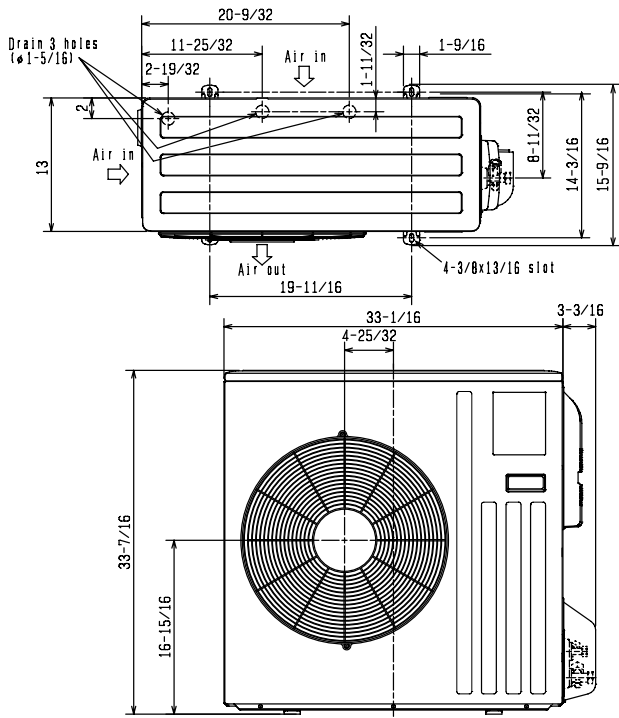


Open two sides of left, right, or rear side.

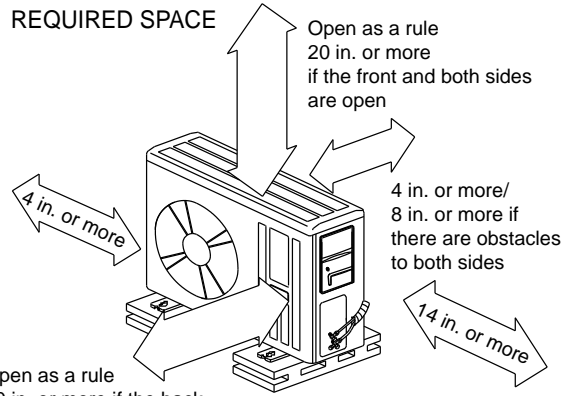


MUZ-D30NA MUZ-D36NA MUY-D30NA MUY-D36NA

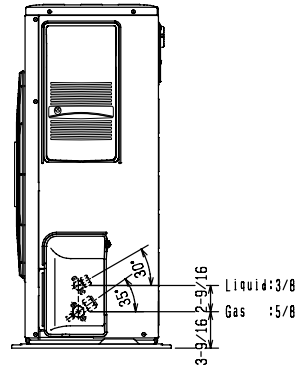
Unit: inch



REQUIRED SPACE

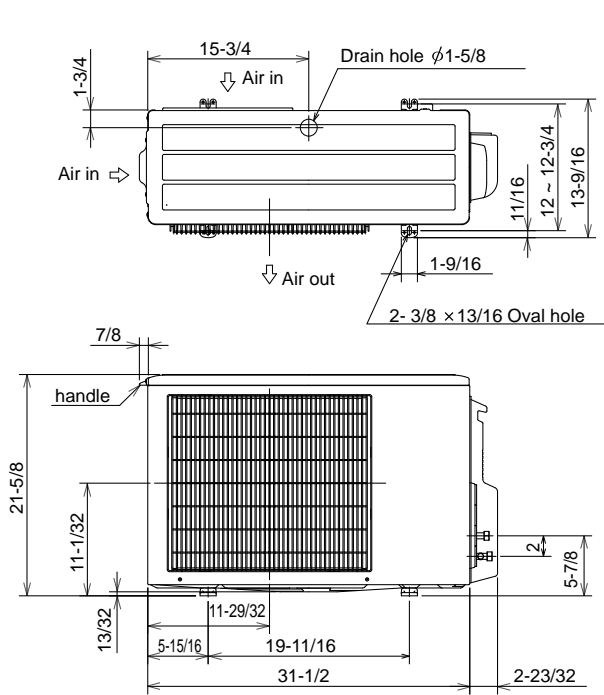


Open as a rule 20 in. or more if the back, both sides and top are open

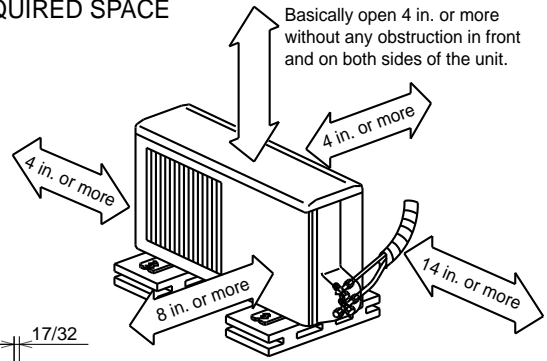


SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA

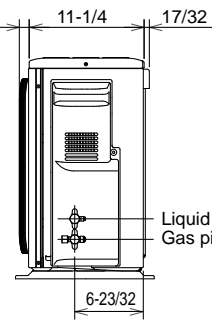
Unit: inch



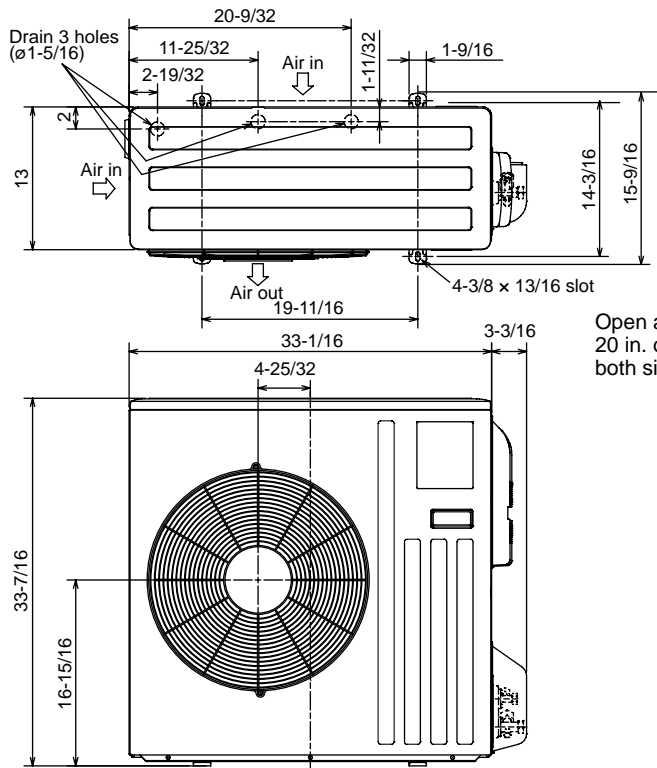
REQUIRED SPACE



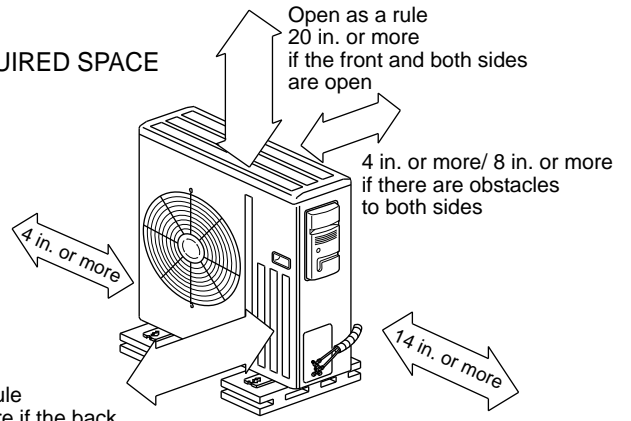
Open two sides of left, right, or rear side.



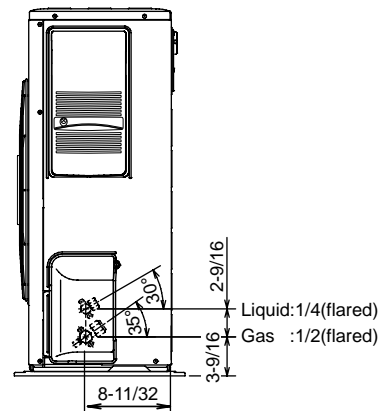
SUZ-KA18NA



REQUIRED SPACE



Open as a rule 20 in. or more if the back, both sides and top are open

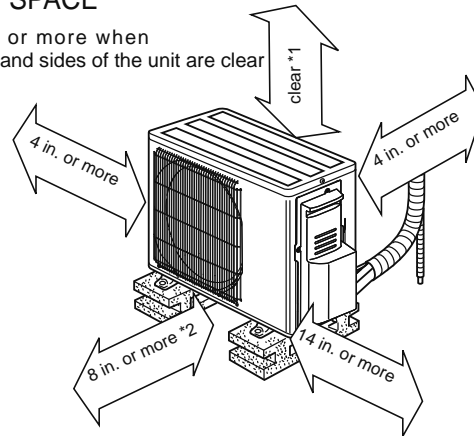


MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ

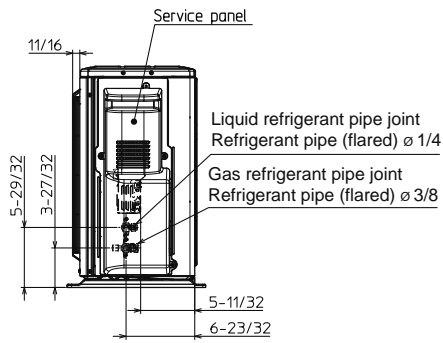
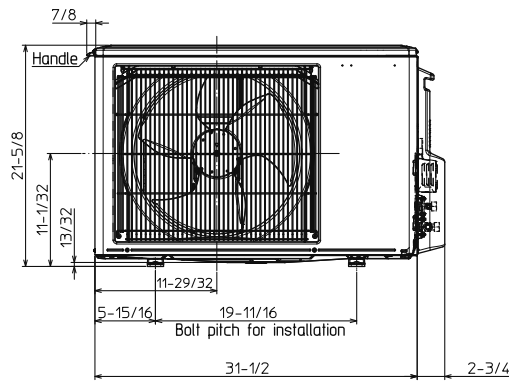
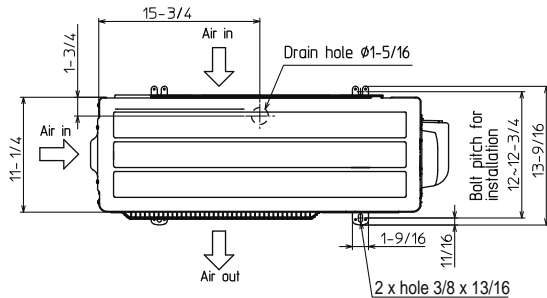
Unit: inch

REQUIRED SPACE

*1 4 in. or more when front and sides of the unit are clear



*2 When any 2 sides of left, right and rear of the unit are clear

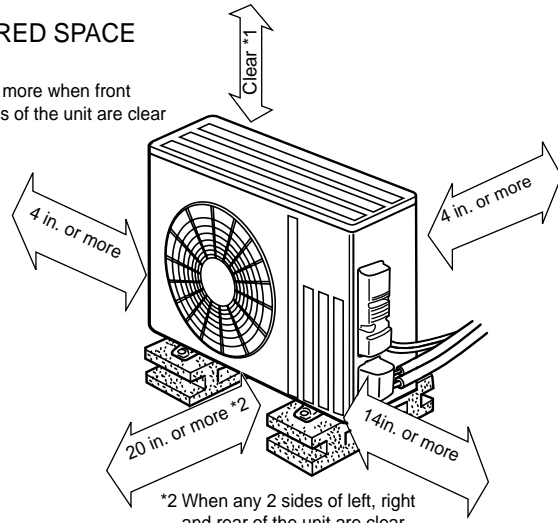
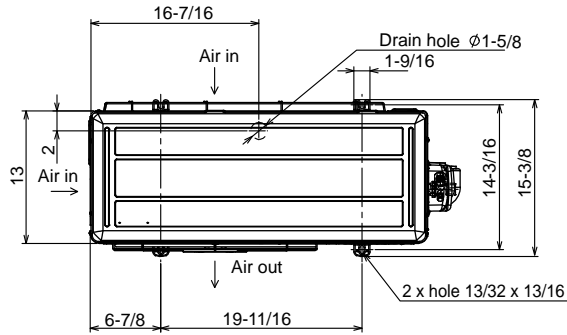


MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ

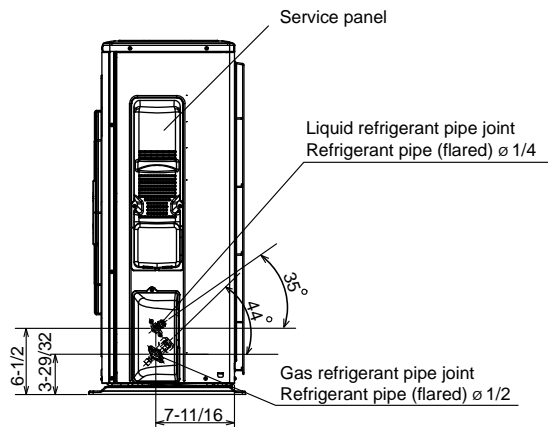
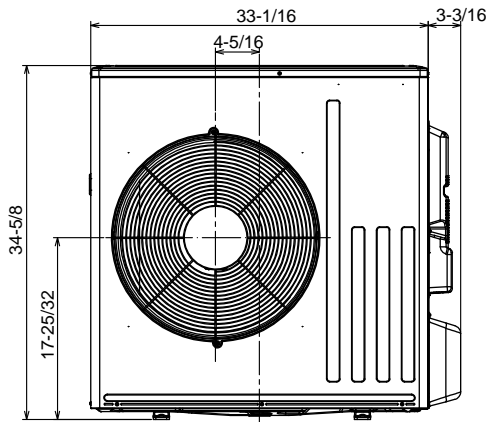
Unit: inch

REQUIRED SPACE

*1 20 in. or more when front and sides of the unit are clear



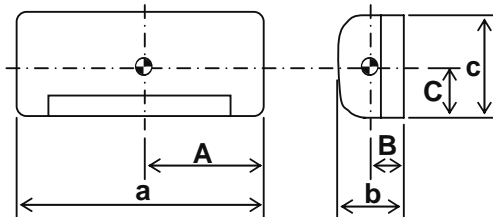
*2 When any 2 sides of left, right and rear of the unit are clear



4 | POSITION OF THE CENTER OF GRAVITY

4-1. INDOOR UNIT Wall-mounted type

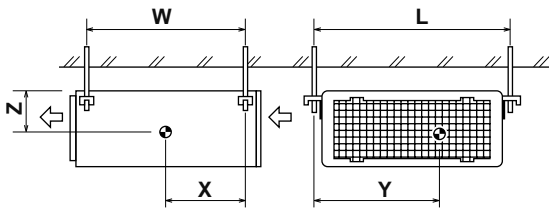
Unit: inch(mm)



Model name	A	B	C	a	b	c
MS-A09WA MS-A12WA	13 (330)	3-1/2 (90)	5-7/8 (150)	30-11/16 (780)	8-1/4 (210)	11-3/4 (298)
MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA MSY-GL09NA MSY-GL12NA MSY-GL15NA	13-3/8 (340)	3-3/4 (95)	7-1/2 (190)	31-3/8 (798)	9-1/8 (232)	11-5/8 (295)
MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA						
MSZ-GL18NA MSY-GL18NA	15-1/4 (387)	4-7/16 (113)	6-1/4 (159)	36-5/16 (923)	9-13/16 (250)	12 (305)
MSZ-HM18NA MSZ-HM24NA						
MSZ-EF09NAW/B/S MSZ-EF12NAW/B/S MSZ-EF15NAW/B/S MSZ-EF18NAW/B/S	14-1/2 (369)	3-15/16 (100)	5-5/8 (143)	34-13/16 (885)	7-11/16 (195)	11-3/4 (299)
MSZ-GL24NA MSY-GL24NA	17-7/16 (443)	3-7/8 (98)	5-9/16 (141)	43-5/16 (1100)	9-3/8 (238)	12-13/16 (325)
MSZ-FH06NA MSZ-FH09NA MSZ-FH12NA MSZ-FH15NA MSZ-FH18NA2	15-1/4 (387)	4-1/4 (108)	6-1/8 (155)	36-7/16 (925)	9-3/16 (234)	12 (305)
MSZ-FE09NA MSZ-FE12NA	13 (330)	3-7/16 (86)	7-5/16 (185)	31-3/8 (798)	10-1/8 (257)	11-5/8 (295)
MSZ-D30NA MSY-D30NA MSY-D36NA MSY-D36NA	18-1/8 (460)	7-1/2 (190)	7-1/2 (190)	46-1/16 (1170)	11-5/8 (295)	14-3/8 (365)

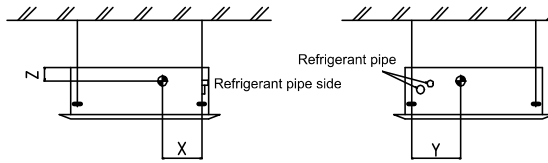
Ceiling-concealed type

Unit: inch(mm)



Model name	W	L	X	Y	Z
SEZ-KD09NA4	24-5/8 (625)	29-5/8 (752)	10-3/8 (263)	13-27/32 (351)	4-3/16 (106)
SEZ-KD12NA4	24-5/8 (625)	37-1/2 (952)	11-9/32 (286)	17-21/32 (448)	4-1/8 (104)
SEZ-KD15NA4	24-5/8 (625)	37-1/2 (952)	11-1/32 (280)	17-7/32 (437)	4-1/8 (104)
SEZ-KD18NA4	24-5/8 (625)	45-3/8 (1152)	11-1/4 (285)	20-3/4 (527)	4-1/8 (104)

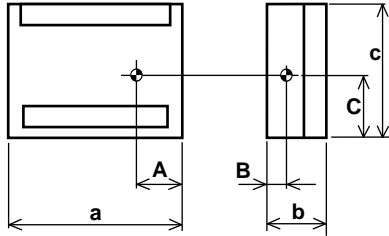
Ceiling-cassette type



Unit: inch(mm)

Model name	X	Y	Z
SLZ-KA09NA	5-29/32 (150)	10-1/4 (260)	4-5/32 (105)
SLZ-KA12NA	5-29/32 (150)	10-1/4 (260)	4-5/32 (105)
SLZ-KA15NA	5-29/32 (150)	10-1/4 (260)	4-5/32 (105)

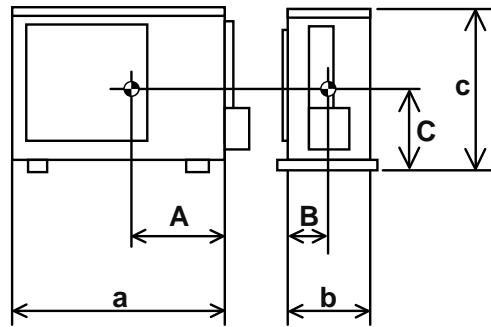
Floor standing type



Unit: inch (mm)

Model name	A	B	C	a	b	c
MFZ-KJ09NA						
MFZ-KJ12NA	12-3/4 (324)	4 (102)	13-7/8 (353)	29-17/32 (750)	8-15/32 (215)	23-5/8 (600)
MFZ-KJ15NA						
MFZ-KJ18NA						

4-2. OUTDOOR UNIT

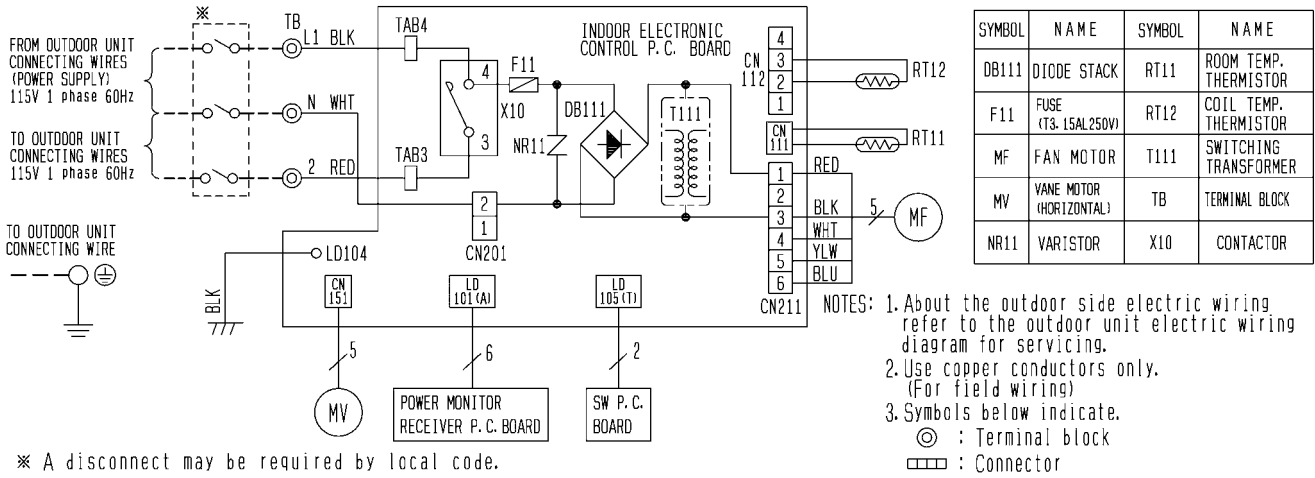


Unit: inch(mm)

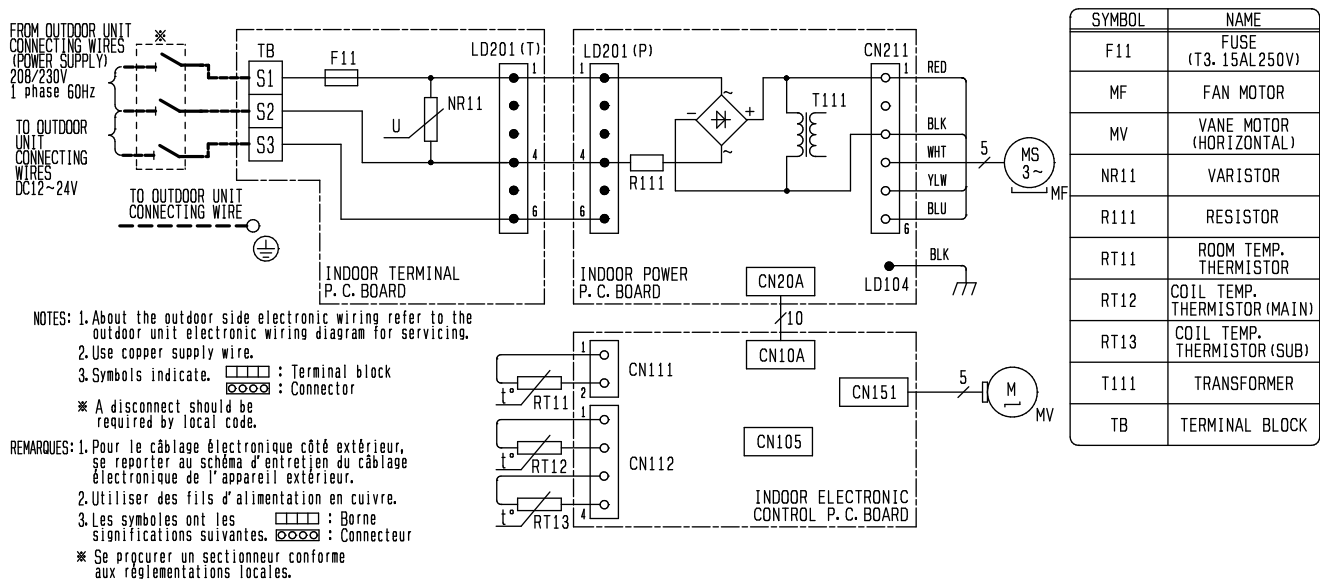
Model name	A	B	C	a	b	c
MU-A09WA						
MUZ-GL09NA						
MUZ-GL12NA						
MUZ-GL15NA						
MUZ-GL09NAH						
MUZ-GL12NAH						
MUZ-GL15NAH						
MUY-GL09NA						
MUY-GL12NA						
MUY-GL15NA						
MUZ-HM09NA2						
MUZ-HM12NA2						
MUZ-HM15NA2						
MUZ-HM18NA2	11-1/16 (280)	5-9/16 (140)	9-1/2 (240)	31-1/2 (800)	11-1/4 (285)	21-5/8 (550)
MUZ-FH06NA						
MUZ-FH09NA						
MUZ-FH12NA						
MUZ-FH06NAH						
MUZ-FH09NAH						
MUZ-FH12NAH						
MUZ-FE09NAH						
MUZ-FE12NAH						
SUZ-KA09NA						
SUZ-KA12NA						
SUZ-KA15NA						
MUFZ-KJ09NAHZ						
MUFZ-KJ12NAHZ						
MU-A12WA	11-13/16 (300)	5-1/4 (133)	10-3/8 (263)	33-7/16 (850)	11-7/16 (290)	23-13/16 (605)
MUZ-GL24NA						
MUZ-GL24NAH						
MUY-GL24NA						
MUZ-HM24NA2						
MUZ-FH15NA						
MUZ-FH15NAH						
MUZ-FH18NA2						
MUZ-FH18NAH2						
MUZ-GL18NA						
MUZ-GL18NAH						
MUY-GL18NA						
MUFZ-KJ15NAHZ						
MUFZ-KJ18NAHZ						
MUZ-D30NA						
MUZ-D36NA						
MUY-D30NA						
MUY-D36NA						
SUZ-KA18NA	11-13/16 (300)	5-7/8 (150)	13-3/8 (340)	33-2/16 (840)	13 (330)	33-7/16 (850)

5 | WIRING DIAGRAM

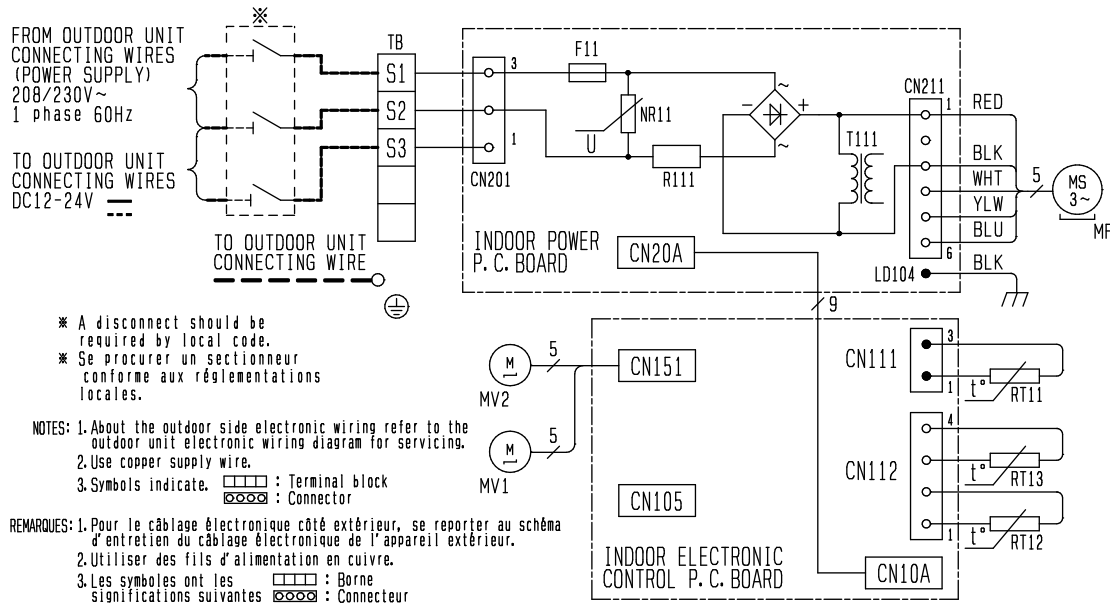
5-1. INDOOR UNIT MS-A09WA MS-A12WA



MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA MSY-GL09NA MSY-GL12NA MSY-GL15NA



MSZ-GL18NA MSY-GL18NA



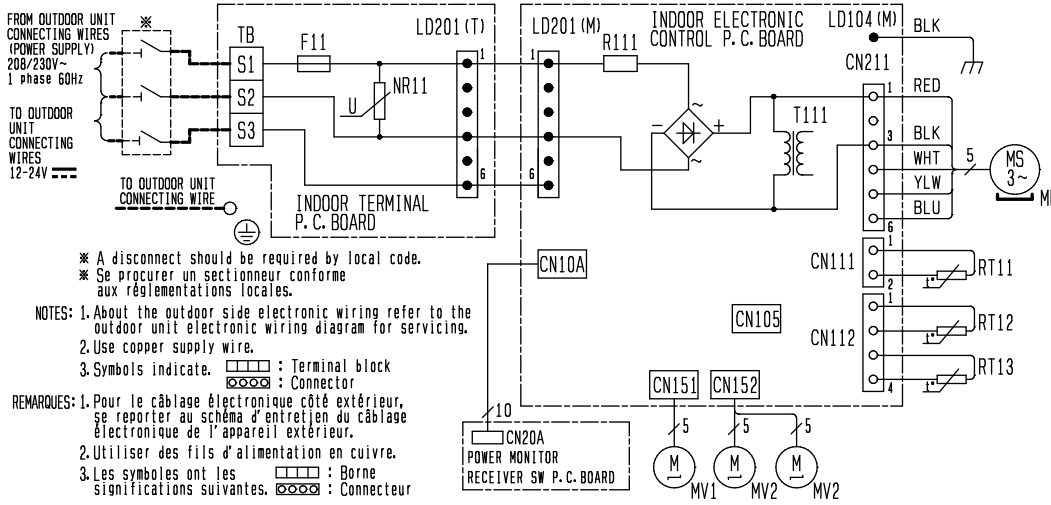
SYMBOL	NAME
F11	FUSE (T3. 15A/250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

- * A disconnect should be required by local code.
- * Se procurer un sectionneur conforme aux réglementations locales.

- NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
 2. Use copper supply wire.
 3. Symbols indicate. □ : Terminal block
 ○ : Connector

- REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
 2. Utiliser des fils d'alimentation en cuivre.
 3. Les symboles ont les significations suivantes □ : Borne
 ○ : Connecteur

MSZ-GL24NA MSY-GL24NA



* A disconnect should be required by local code.
 * Se procurer un sectionneur conforme aux réglementations locales.
 NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
 2. Use copper supply wire.
 3. Symbols indicate.

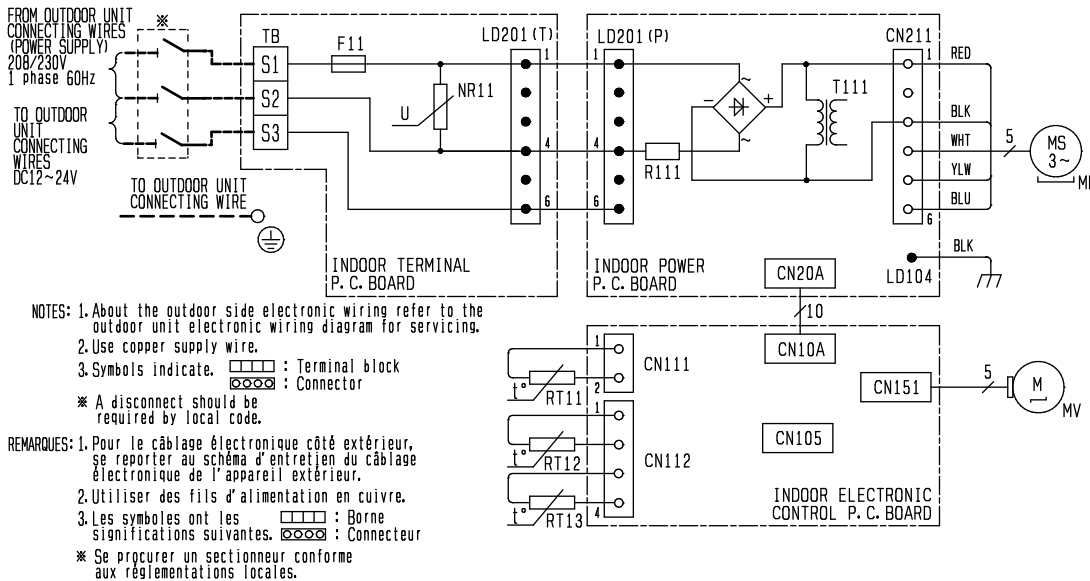
	: Terminal block
	: Connector

 REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
 2. Utiliser des fils d'alimentation en cuivre.
 3. Les symboles ont les significations suivantes.

	: Borne
	: Connecteur

SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV1	VANE MOTOR (HORIZONTAL)
MV2	VANE MOTOR (VERTICAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA



NOTES: 1. About the outdoor side electronic wiring refer to the outdoor unit electronic wiring diagram for servicing.
 2. Use copper supply wire.
 3. Symbols indicate.

	: Terminal block
	: Connector

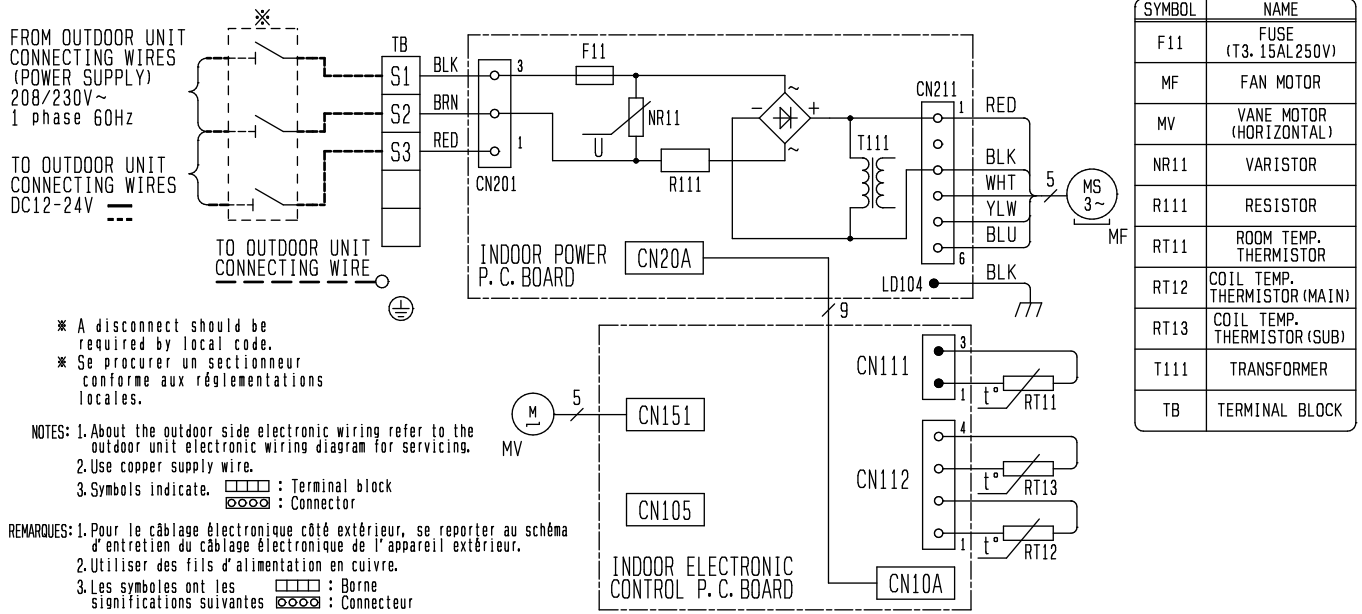
 * A disconnect should be required by local code.
 REMARQUES: 1. Pour le câblage électronique côté extérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil extérieur.
 2. Utiliser des fils d'alimentation en cuivre.
 3. Les symboles ont les significations suivantes.

	: Borne
	: Connecteur

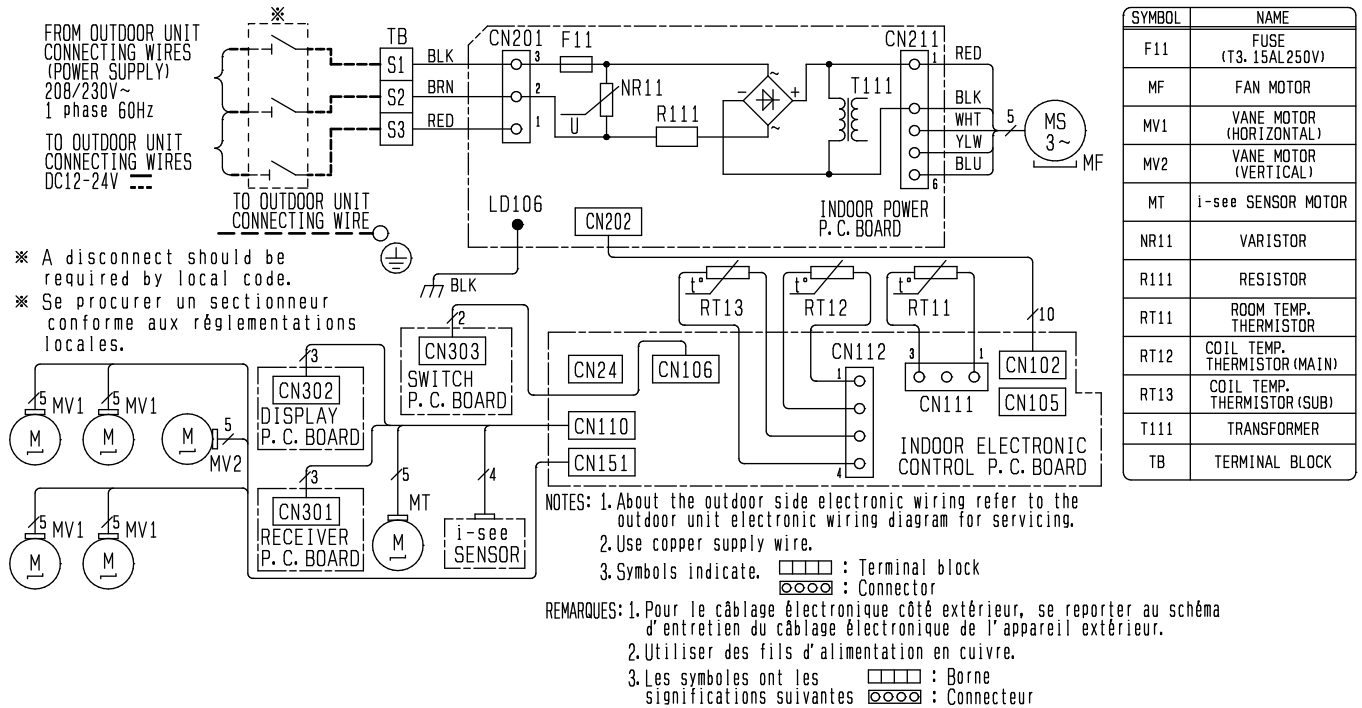
 * Se procurer un sectionneur conforme aux réglementations locales.

SYMBOL	NAME
F11	FUSE (T3. 15AL250V)
MF	FAN MOTOR
MV	VANE MOTOR (HORIZONTAL)
NR11	VARISTOR
R111	RESISTOR
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR (MAIN)
RT13	COIL TEMP. THERMISTOR (SUB)
T111	TRANSFORMER
TB	TERMINAL BLOCK

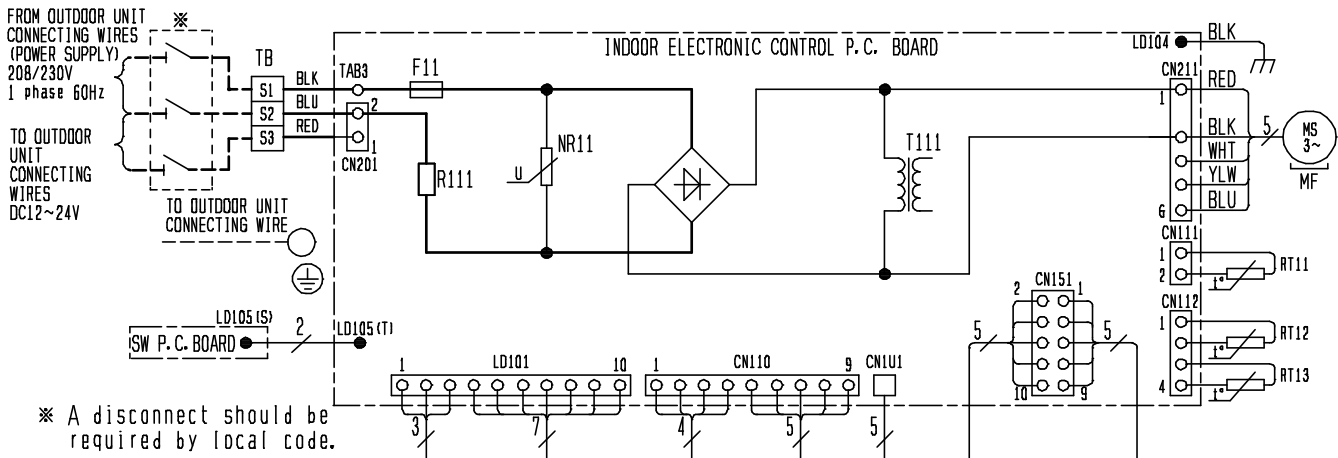
MSZ-HM18NA MSZ-HM24NA



MSZ-FH06NA MSZ-FH09NA MSZ-FH12NA MSZ-FH15NA MSZ-FH18NA2



MSZ-FE09NA MSZ-FE12NA

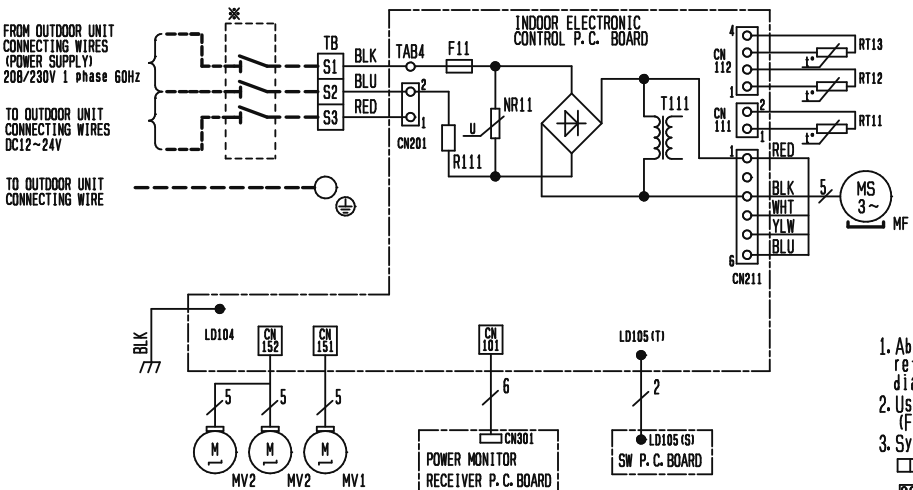


※ A disconnect should be required by local code.

SYMBOL	NAME	SYMBOL	NAME
F11	FUSE (T3.15A/250V)	R111	RESISTOR
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MT	i-see Sensor MOTOR	RT12	COIL TEMP. THERMISTOR (MAIN)
MV1	VANE MOTOR (HORIZONTAL)	RT13	COIL TEMP. THERMISTOR (SUB)
MV2	VANE MOTOR (VERTICAL)	T111	TRANSFORMER
NR11	VARISTOR	TB	TERMINAL BLOCK

- NOTES: 1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
 2. Use copper conductors only. (For field wiring)
 3. Symbols below indicate.
 □ : Terminal block
 ⊞ : Connector

MSZ-D30NA MSZ-D36NA MSY-D30NA MSY-D36NA

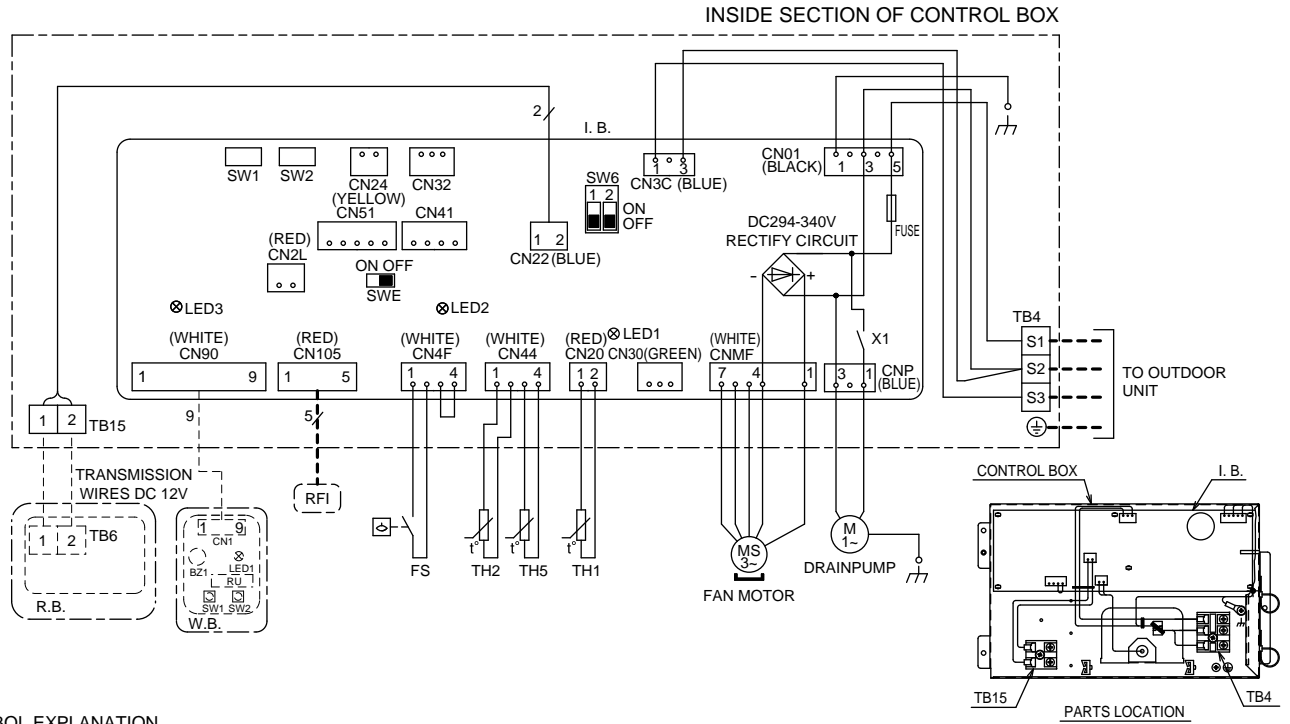


SYMBOL	NAME	SYMBOL	NAME
F11	FUSE (T3.15A/250V)	R111	RESISTOR
MF	FAN MOTOR	RT11	ROOM TEMP. THERMISTOR
MV1	VANE MOTOR (HORIZONTAL)	RT12	COIL TEMP. THERMISTOR (MAIN)
MV2	VANE MOTOR (VERTICAL)	RT13	COIL TEMP. THERMISTOR (SUB)
NR11	VARISTOR	T111	TRANSFORMER
		TB	TERMINAL BLOCK

1. About the outdoor side electric wiring refer to the outdoor unit electric wiring diagram for servicing.
 2. Use copper conductors only. (For field wiring)
 3. Symbols below indicate.
 □ : Terminal block
 ⊞ : Connector

※ A disconnect should be required by local code.

SEZ-KD09NA4 SEZ-KD12NA4 SEZ-KD15NA4 SEZ-KD18NA4

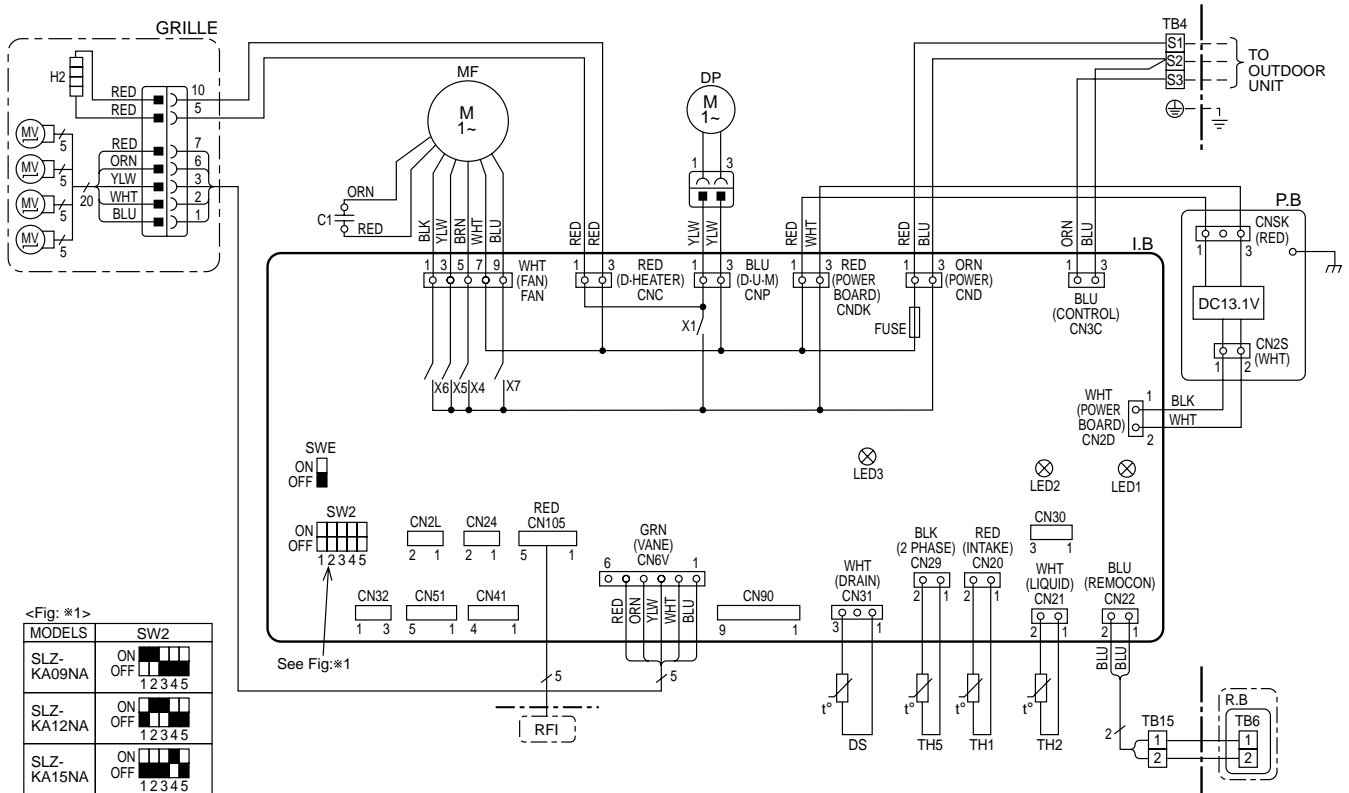


SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	INDOOR CONTROLLER BOARD	I.B.	INDOOR CONTROLLER BOARD	OPTIONAL PARTS	
FUSE	FUSE AC250V 6.3A	SW1	SWITCH (FOR MODEL SELECTION)	W.B.	IR WIRELESS REMOTE CONTROLLER BOARD
X1	AUX. RELAY	SW2	SWITCH (FOR CAPACITY CODE)	RU	RECEIVING UNIT
CN2L	CONNECTOR (LOSSNAY)	SW6	SWITCH (FOR EMERGENCY OPERATION))	BZ1	BUZZER
CN24	CONNECTOR (BACK-UP HEATING)	SWE	CONNECTOR (EMERGENCY OPERATION)	LED1	LED (RUN INDICATOR)
CN30	CONNECTOR (LLC)	TH1	INTAKE AIR TEMP. THERMISTOR	SW1	SWITCH (HEATING ON/OFF)
CN32	CONNECTOR (REMOTE SWITCH)	TH2	PIPE TEMP. THERMISTOR/LIQUID	SW2	SWITCH (COOLING ON/OFF)
CN41	CONNECTOR (HA TERMINAL-A)	TH5	COND./EVA. TEMP. THERMISTOR	R.B.	REMOTE CONTROLLER BOARD
CN51	CONNECTOR (CENTRALLY CONTROL)	FS	FLOAT SWITCH	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN90	CONNECTOR (WIRELESS)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)		
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
LED1	POWER SUPPLY (I.B.)	RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT		
LED2	POWER SUPPLY (I.B.)				
LED3	TRANSMISSION (INDOOR-OUTDOOR)				

- Note1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 2. Indoor and outdoor connecting wires are made with polarities,make wiring matchingterminal numbers (S1,S2,S3).
 3. Symbols used in wiring diagram above are as follows.
 □ :CONNECTOR
 □ :TERMINAL
 - - - (HEAVY DOTTED LINE):FIELD WIRING
 - - - (THIN DOTTED LINE):OPTIONAL PARTS
 4. Use copper supply wire.

SLZ-KA09NA SLZ-KA12NA SLZ-KA15NA



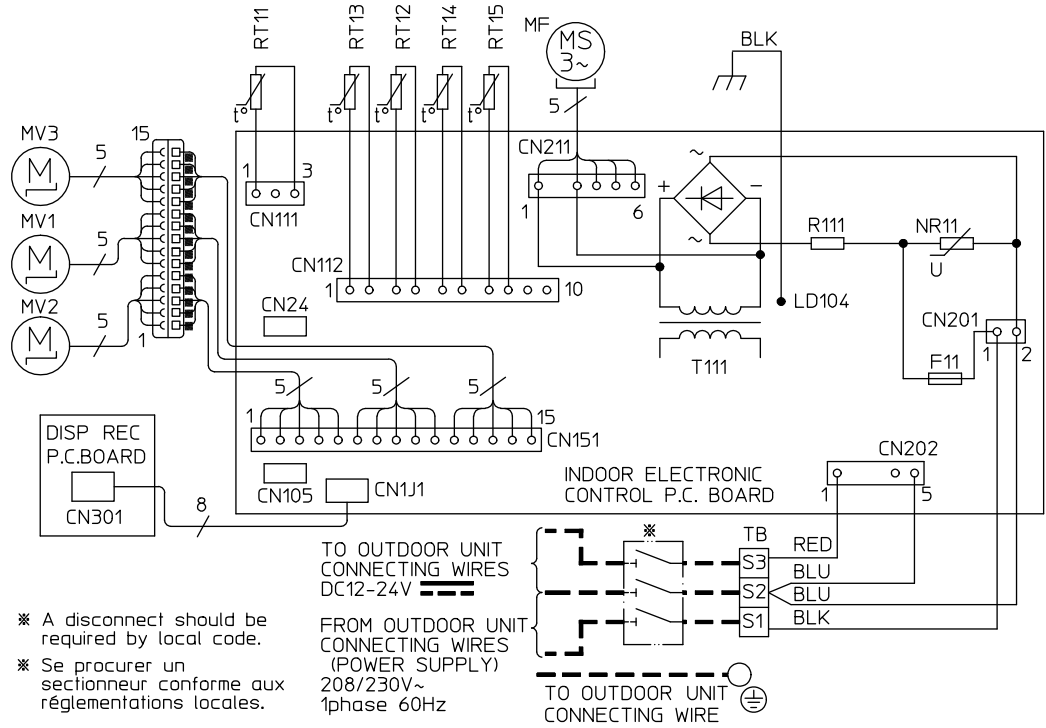
[LEGEND]

SYMBOL	NAME	SYMBOL	NAME
P.B	INDOOR POWER BOARD	C1	CAPACITOR (FAN MOTOR)
I.B	INDOOR CONTROLLER BOARD	DP	DRAIN PUMP
CN2L	CONNECTOR (LOSSNAY)	DS	DRAIN SENSOR
CN24	CONNECTOR (BACK-UP HEATING)	RFI	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT
CN30	CONNECTOR (LLC)	H2	DEW PREVENTION HEATER
CN32	CONNECTOR (REMOTE SWITCH)	MF	FAN MOTOR (WITH THERMAL FUSE)
CN41	CONNECTOR (HA TERMINAL-A)	MV	VANE MOTOR
CN51	CENTRALLY CONTROL	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
FUSE	FUSE (T6.3AL250V)	TH1	ROOM TEMP. THERMISTOR (32°F / 15kΩ, 77°F / 5.4kΩ DETECT)
LED1	POWER SUPPLY (I.B)	TH2	PIPE TEMP. THERMISTOR/LIQUID (32°F / 15kΩ, 77°F / 5.4kΩ DETECT)
LED2	POWER SUPPLY (I.B)	TH5	COND. / EVA. TEMP. THERMISTOR (32°F / 15kΩ, 77°F / 5.4kΩ DETECT)
LED3	TRANSMISSION (INDOOR-OUTDOOR)		
SW2	SWITCH (CAPACITY CODE)		
SWE	SWITCH (EMERGENCY OPERATION)		
X1	DRAIN PUMP/DEW PREVENTION HEATER		
X4	RELAY (FAN MOTOR LL)		
X5	RELAY (FAN MOTOR Lo)		
X6	RELAY (FAN MOTOR Hi)		
X7	RELAY (FAN MOTOR Me)		
			OPTION PART
		R.B	WIRED REMOTE CONTROLLER BOARD
		TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)

- NOTES: 1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
 2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
 3. Use copper supply wires.
 4. Symbols used in wiring diagram above are, : Connector, : Terminal (block).

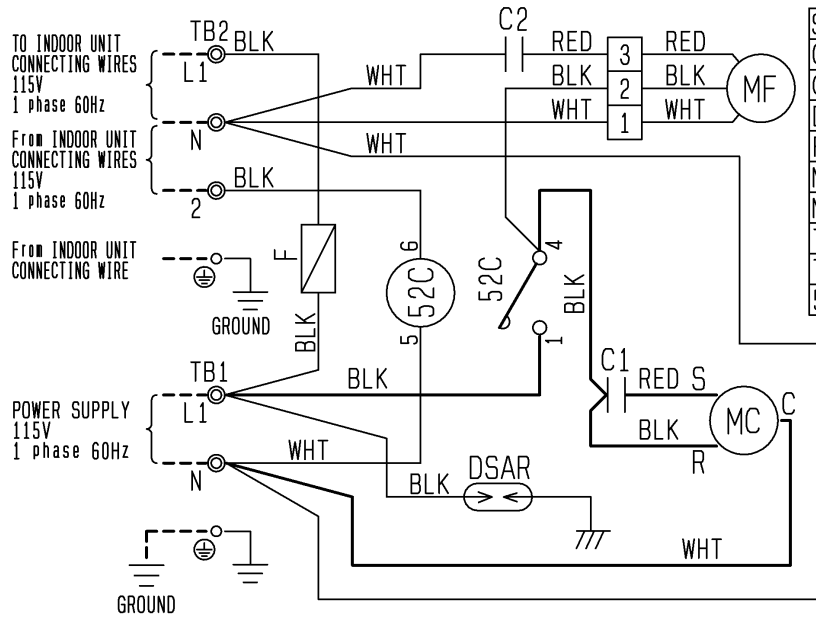
*For details on how to operate self-diagnosis refer to the technical manuals etc.

MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA



SYMBOL	NAME
MF	FAN MOTOR
MV1	HORIZONTAL VANE MOTOR (FRONT)
MV2	HORIZONTAL VANE MOTOR (BACK)
MV3	MULTI-FLOW VANE MOTOR
F11	FUSE (T3.15AL250V)
T111	TRANSFORMER
TB	TERMINAL BLOCK
RT11	ROOM TEMP. THERMISTOR
RT12	COIL TEMP. THERMISTOR(MAIN1)
RT13	COIL TEMP. THERMISTOR(SUB)
RT14	COIL TEMP. THERMISTOR(MAIN2)
RT15	COIL TEMP. THERMISTOR(MAIN3)
NR11	VARIATOR
R111	RESISTOR

5-2. OUTDOOR UNIT MU-A09WA

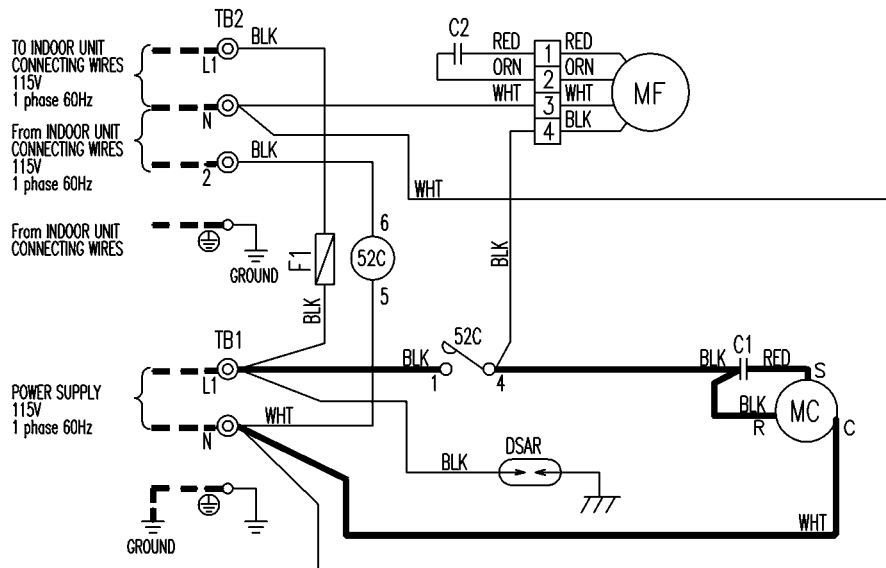


SYMBOL	NAME
C1	COMPRESSOR CAPACITOR
C2	FAN MOTOR CAPACITOR
DSAR	SURGE ABSORBER
F	FUSE
MC	COMPRESSOR (INNER PROTECTOR)
MF	FAN MOTOR (INNER PROTECTOR)
TB1	TERMINAL BLOCK
TB2	TERMINAL BLOCK
52C	COMPRESSOR CONTACTOR

NOTES

- About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
- Use copper conductors only (for field wiring).
- Symbols below indicate.
 ◎:Terminal block □:Connector

MU-A12WA

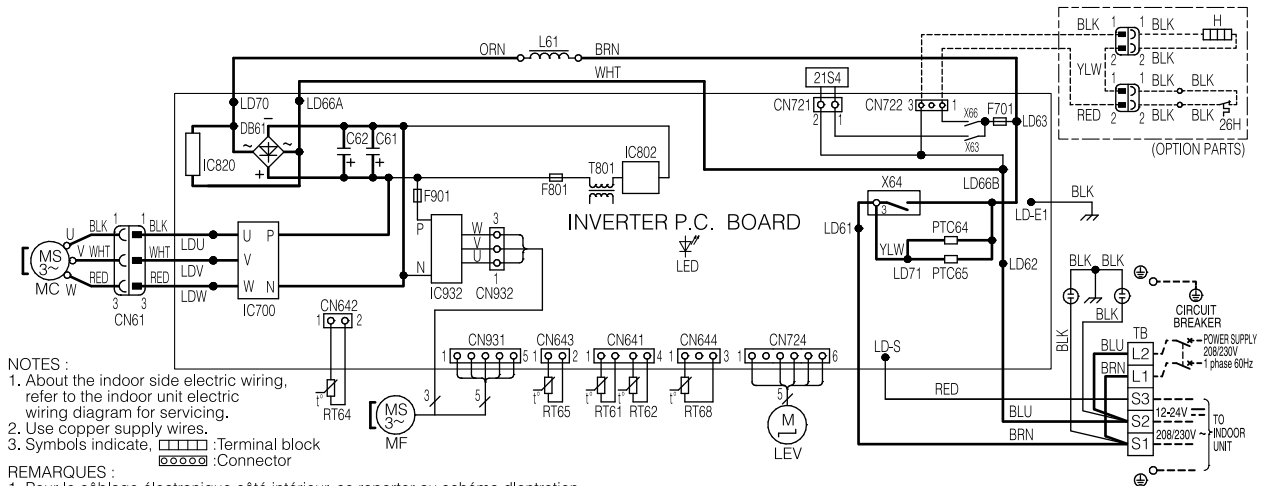


SYMBOL	NAME
C1	COMPRESSOR CAPACITOR
C2	FAN MOTOR CAPACITOR
DSAR	SURGE ABSORBER
F1	FUSE (AC250V, 3.15A)
MC	COMPRESSOR (INNER PROTECTOR)
MF	FAN MOTOR (INNER PROTECTOR)
TB1	TERMINAL BLOCK
TB2	TERMINAL BLOCK
52C	COMPRESSOR CONTACTOR

- NOTES: 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
2. Use copper conductors only (For field wiring).
3. Symbols below indicate.

◎:Terminal block □:Connector

MUZ-GL09NA MUZ-GL12NA

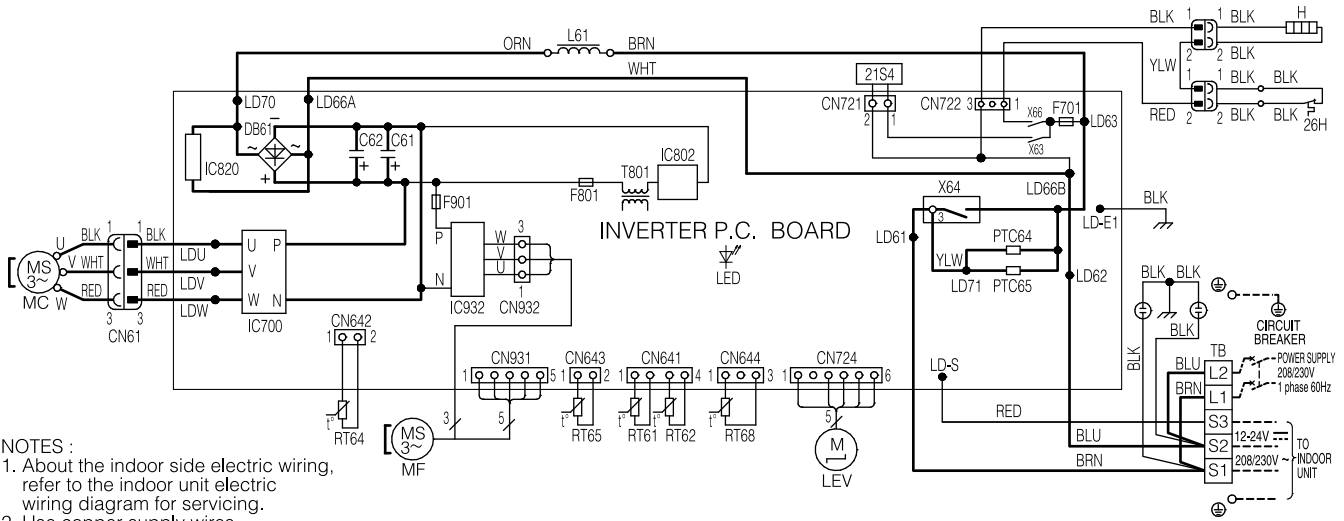


- NOTES :
- About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 - Use copper supply wires.
 - Symbols indicate, :Terminal block
 :Connector

- REMARQUES :
- Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
 - Utiliser des fils d'alimentation en cuivre.
 - Les symboles ont les :Borne significations suivantes, :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701,F801,F901	FUSE (T3, 15A/250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL09NAH MUZ-GL12NAH



NOTES :

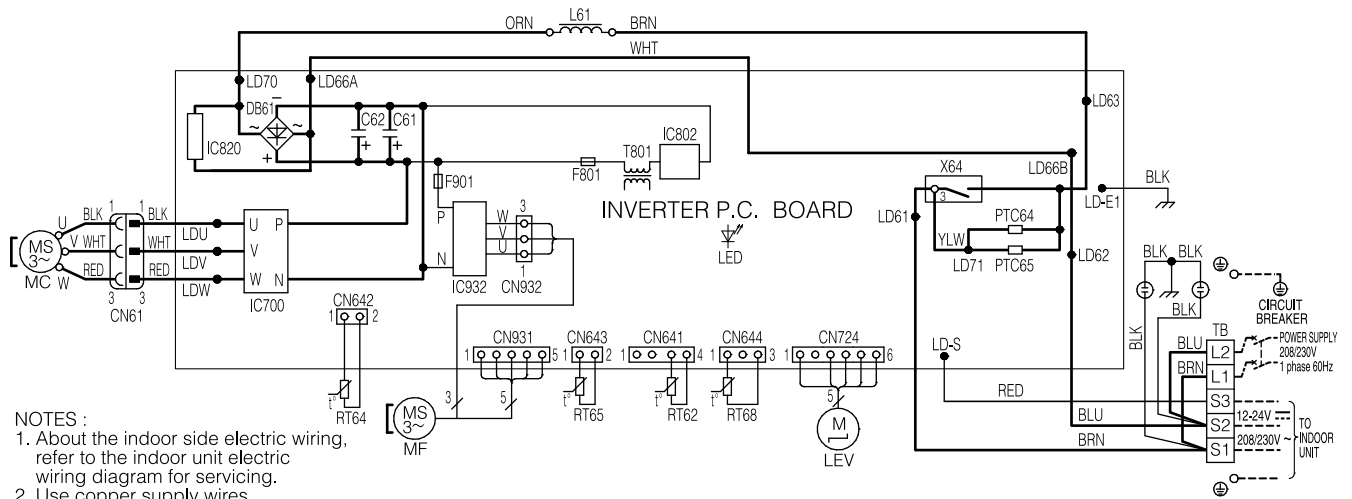
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block
 :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne
 :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3, 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL09NA MUY-GL12NA



NOTES :

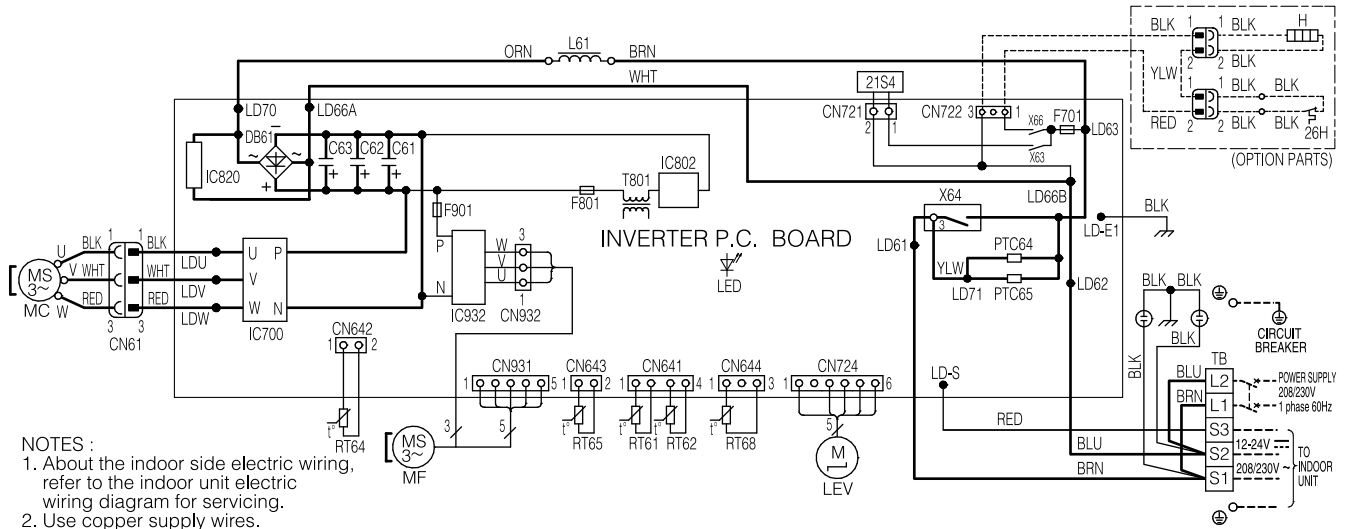
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block
 :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne
 :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700,IC820,IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL15NA



NOTES :

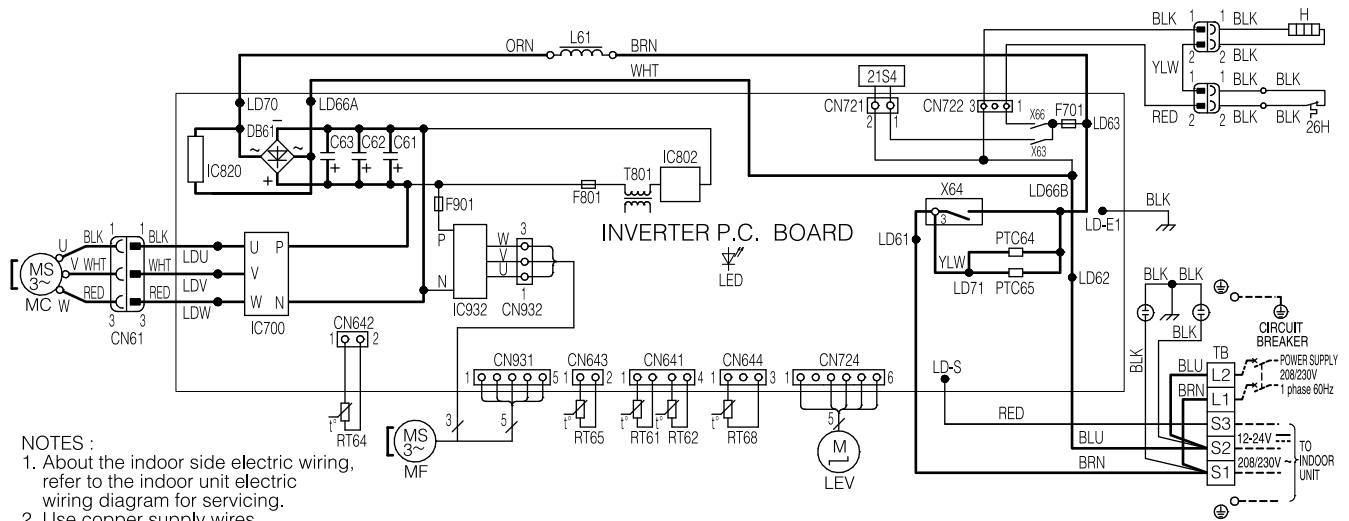
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □ :Terminal block
○ :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □ :Borne
○ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL15NAH



NOTES :

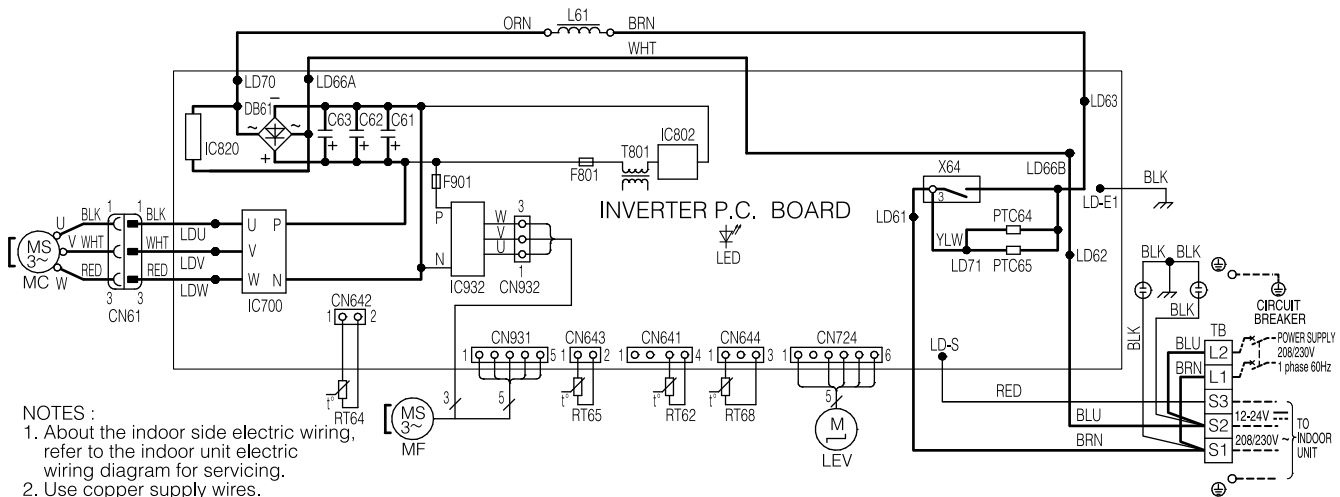
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□ :Terminal block
○ :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les □□□□ :Borne significations suivantes, ○ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701,F801,F901	FUSE (T3, 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL15NA



NOTES :

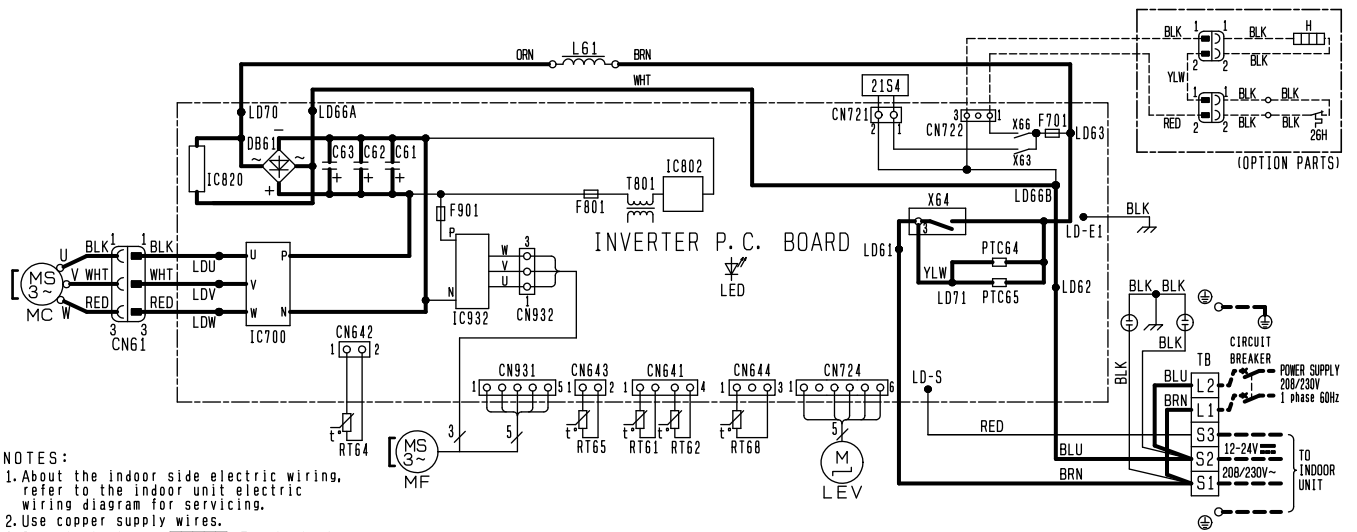
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block
 :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les :Borne significations suivantes, :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F801,F901	FUSE (T3, 15AL250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700,IC820,IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL18NA



NOTES:

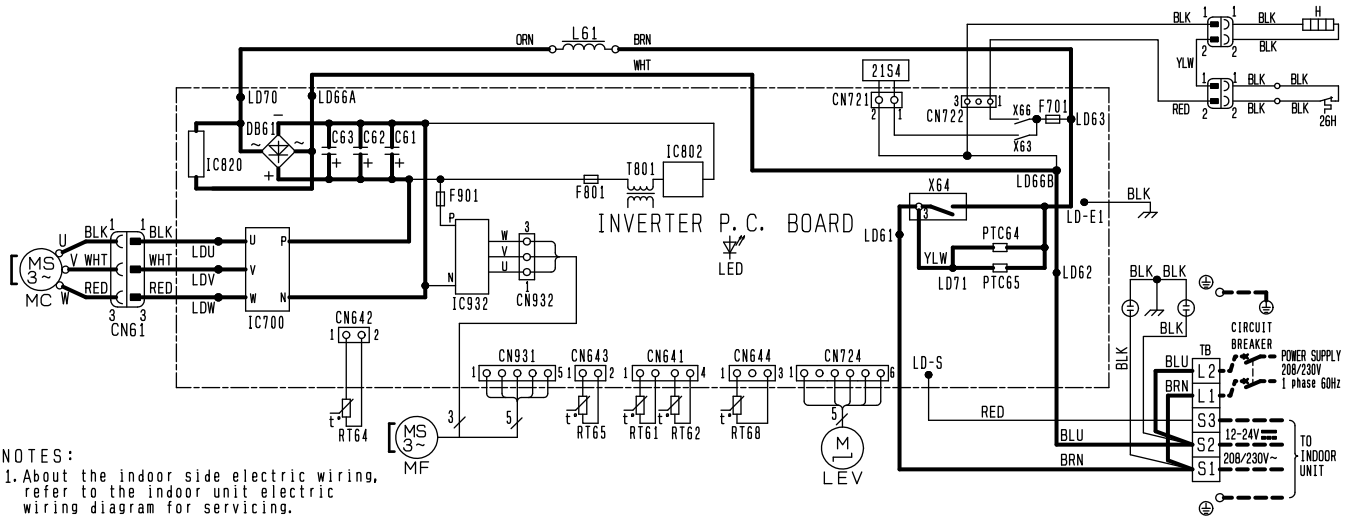
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block
 :Connector

REMARQUES:

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne
 :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3, 15AL 250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER (OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL18NAH



NOTES:

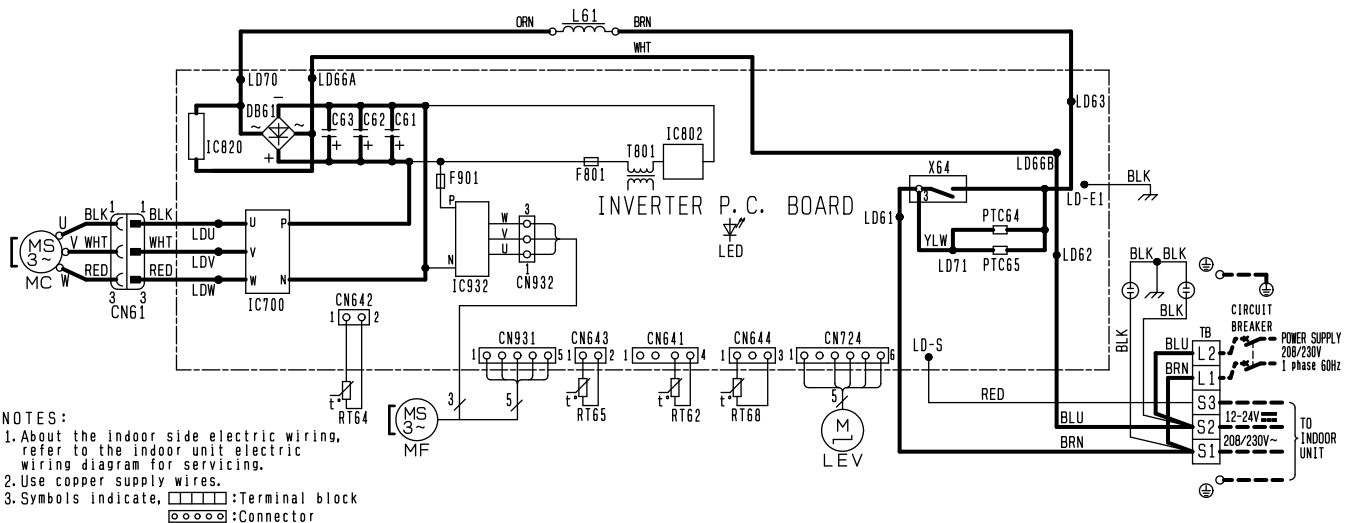
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□:Terminal block
○○○○:Connector

REMARQUES:

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□:Borne
○○○○:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3, 15A/250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL18NA



NOTES:

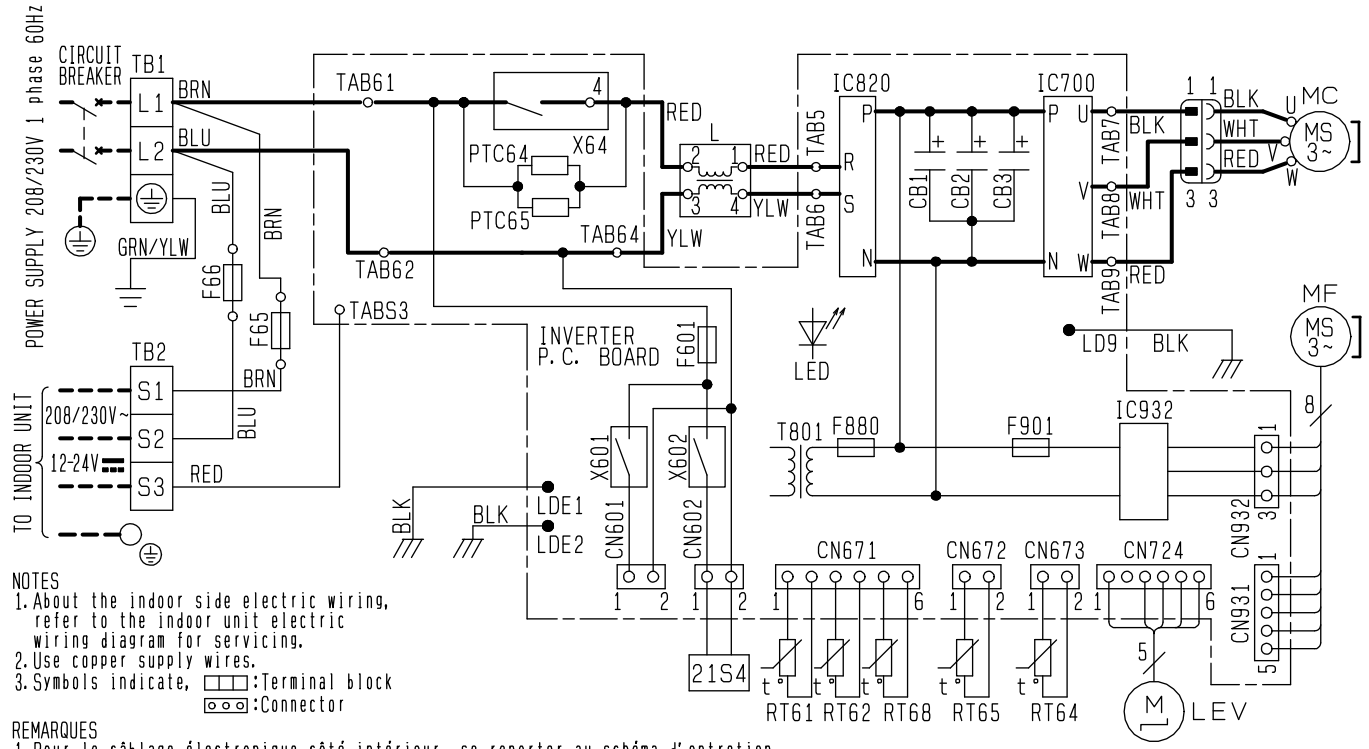
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block
:Connector

REMARQUES:

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne
:Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR		
F801, F901	FUSE (T3. 15A/250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
IC700, IC820, IC932	POWER MODULE	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-GL24NA

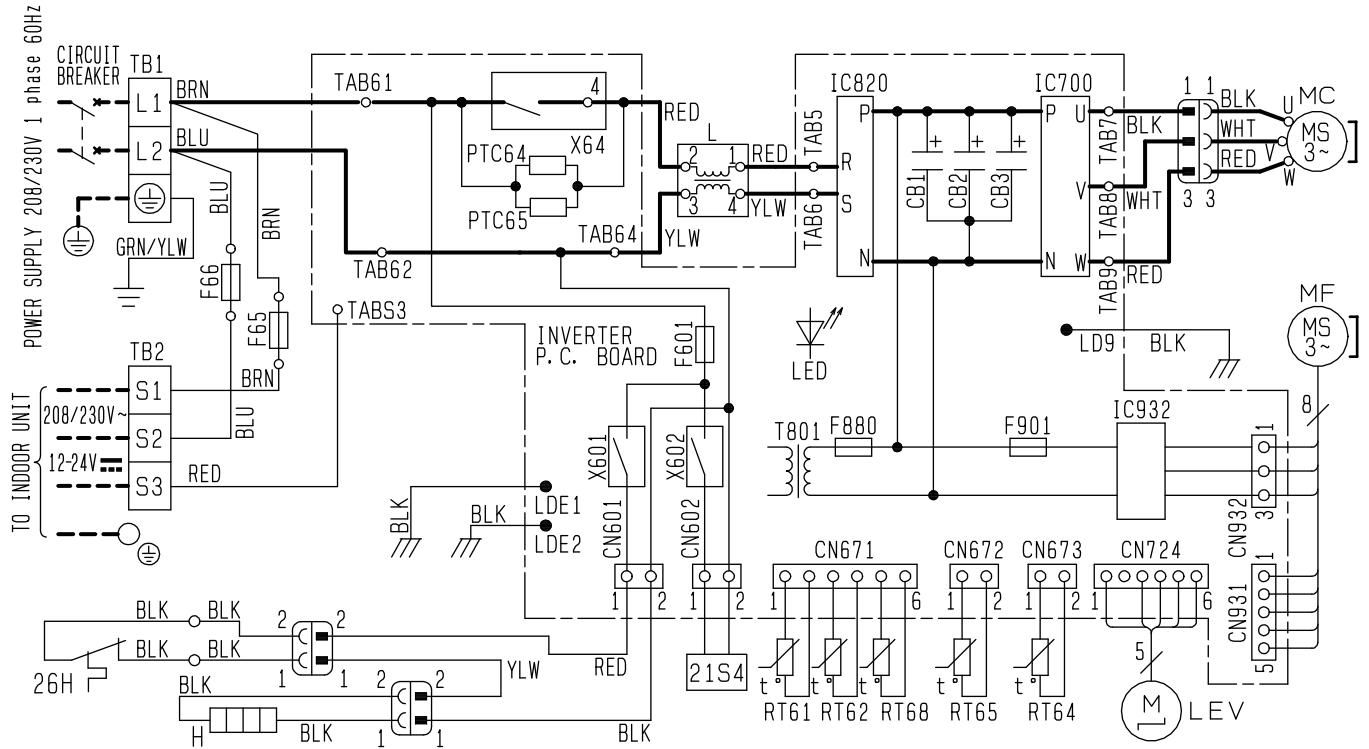


- NOTES**
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper supply wires.
 3. Symbols indicate, : Terminal block : Connector

- REMARQUES**
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
 2. Utiliser des fils d'alimentation en cuivre.
 3. Les symboles ont les significations suivantes, : Borne : Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT65	AMBIENT TEMP. THERMISTOR
F65, F66	FUSE (T6. 3A/250V)	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F601	FUSE (T3. 15A/250V)	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F880	FUSE (T3. 15A/250V)	PTC64	CIRCUIT PROTECTION	T801	TRANSFORMER
F901	FUSE (T3. 15A/250V)	PTC65	CIRCUIT PROTECTION	X601	RELAY
IC700	IGBT Module	RT61	DEFROST THERMISTOR	X602	RELAY
IC820	DIODE Module	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
IC932	IGBT Module	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
L	REACTOR				

MUZ-GL24NAH



NOTES

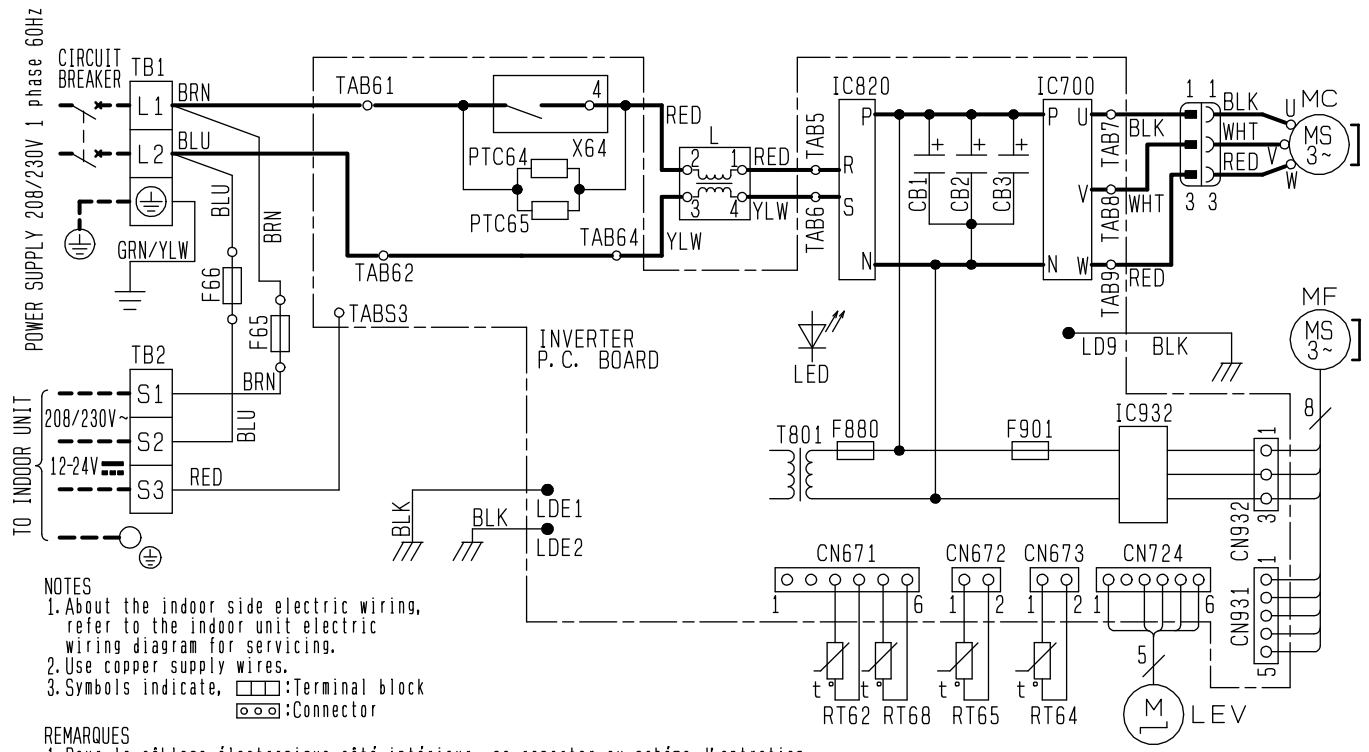
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block :Connector

REMARQUES

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1 ~ 3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL250V)	LEV	EXPANSION VALVE COIL	TB1, TB2	TERMINAL BLOCK
F601	FUSE (T3. 15AL250V)	MC	COMPRESSOR	T801	TRANSFORMER
F880	FUSE (T3. 15AL250V)	MF	FAN MOTOR	X64	RELAY
F901	FUSE (T3. 15AL250V)	PTC64	CIRCUIT PROTECTION	X601	RELAY
H	DEFROST HEATER	PTC65	CIRCUIT PROTECTION	X602	RELAY
IC700	IGBT Module	RT61	DEFROST THERMISTOR	X64	RELAY
IC820	DIODE Module	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC932	IGBT Module	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

MUY-GL24NA

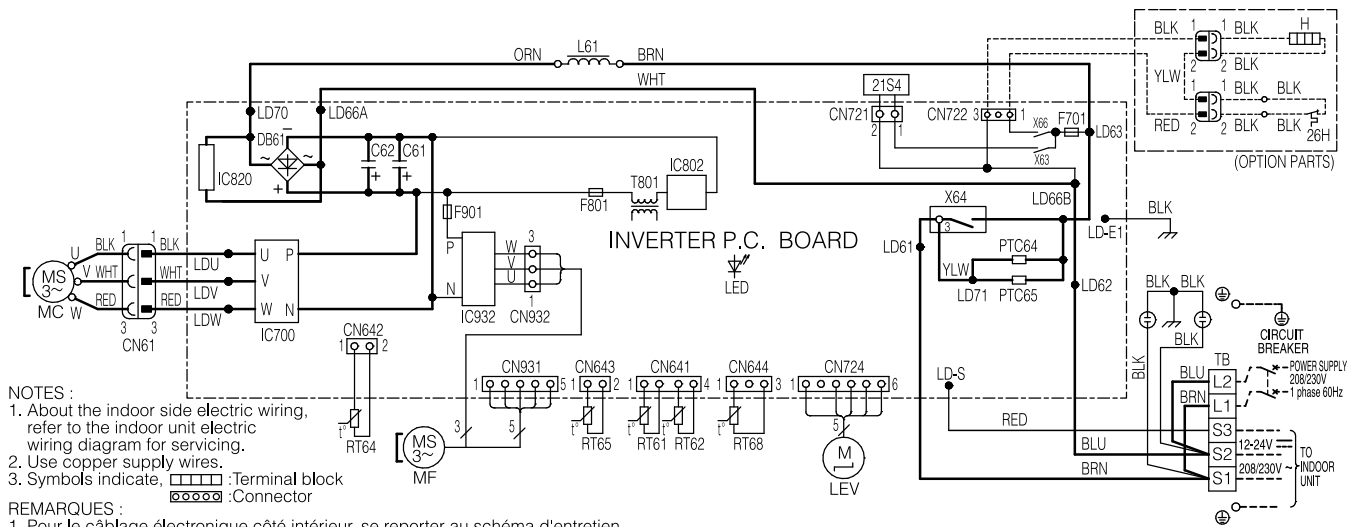


- NOTES**
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper supply wires.
 3. Symbols indicate, : Terminal block : Connector

- REMARQUES**
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
 2. Utiliser des fils d'alimentation en cuivre.
 3. Les symboles ont les significations suivantes, : Borne : Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT64	FIN TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL 250V)	LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR
F880	FUSE (T3. 15AL 250V)	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F901	FUSE (T3. 15AL 250V)	MF	FAN MOTOR		
IC700	IGBT Module	PTC64	CIRCUIT PROTECTION	TB1, TB2	TERMINAL BLOCK
IC820	DIODE Module	PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC932	IGBT Module	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
L	REACTOR				

MUZ-HM09NA2 - U1 MUZ-HM12NA2 - U1



NOTES :

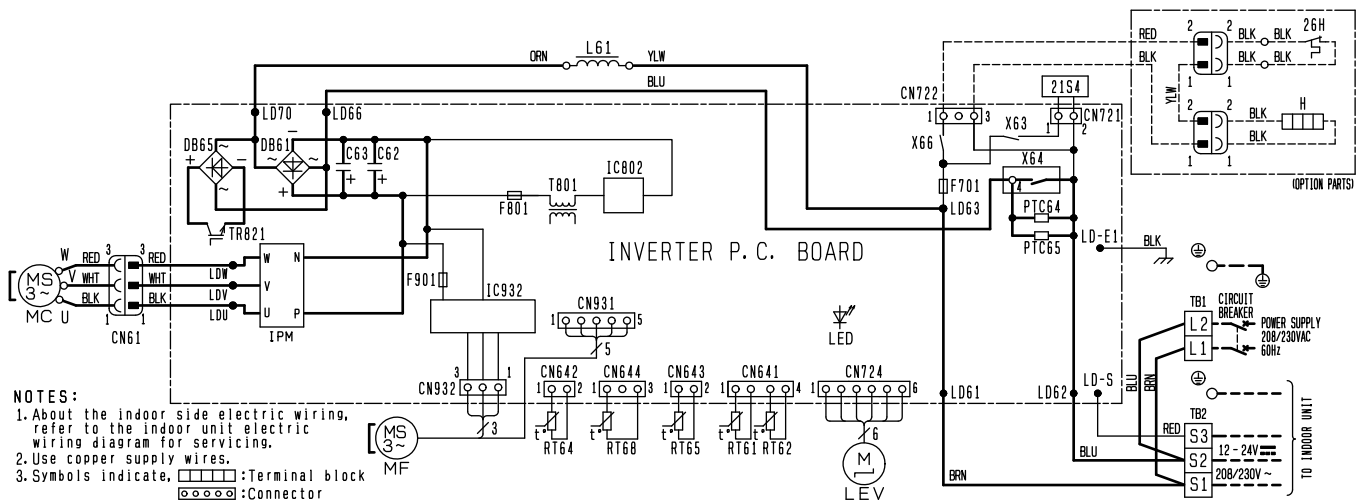
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les :Borne significations suivantes, :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701,F801,F901	FUSE (T3, 15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC802	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR		
		RT65	AMBIENT TEMP. THERMISTOR		

MUZ-HM09NA2 - U8 MUZ-HM12NA2 - U8



NOTES :

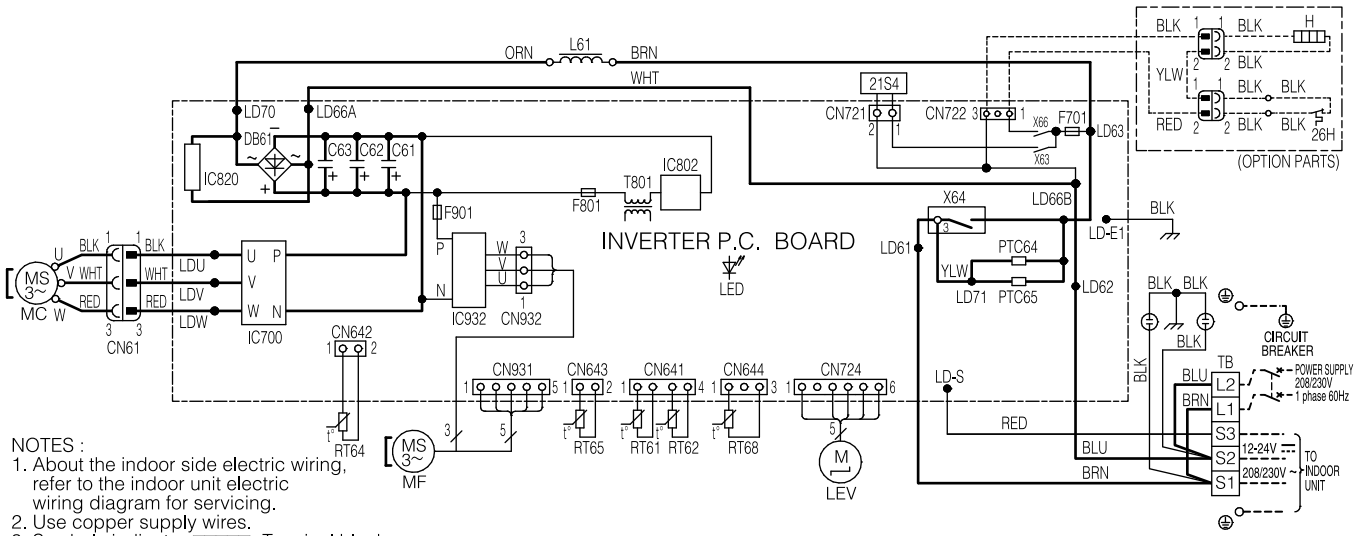
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les :Borne significations suivantes, :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C62,C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61, DB65	DIODE MODULE	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F701,F801,F901	FUSE (T3, 15AL250V)	MF	FAN MOTOR	TR821	SWITCHING POWER TRANSISTOR
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IPM, IC932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
L61	REACTOR	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LED	LED	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-HM15NA2 MUZ-HM18NA2



NOTES :

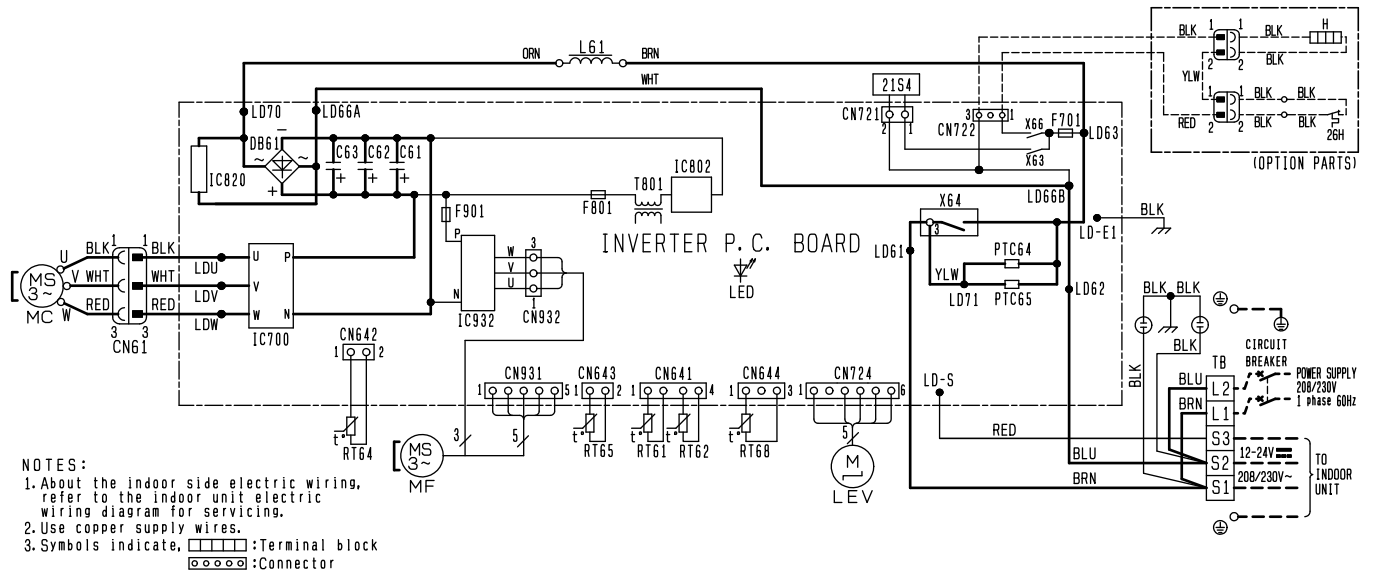
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, □□□□ :Terminal block
○ :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, □□□□ :Borne
○ :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62,C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-HM24NA2

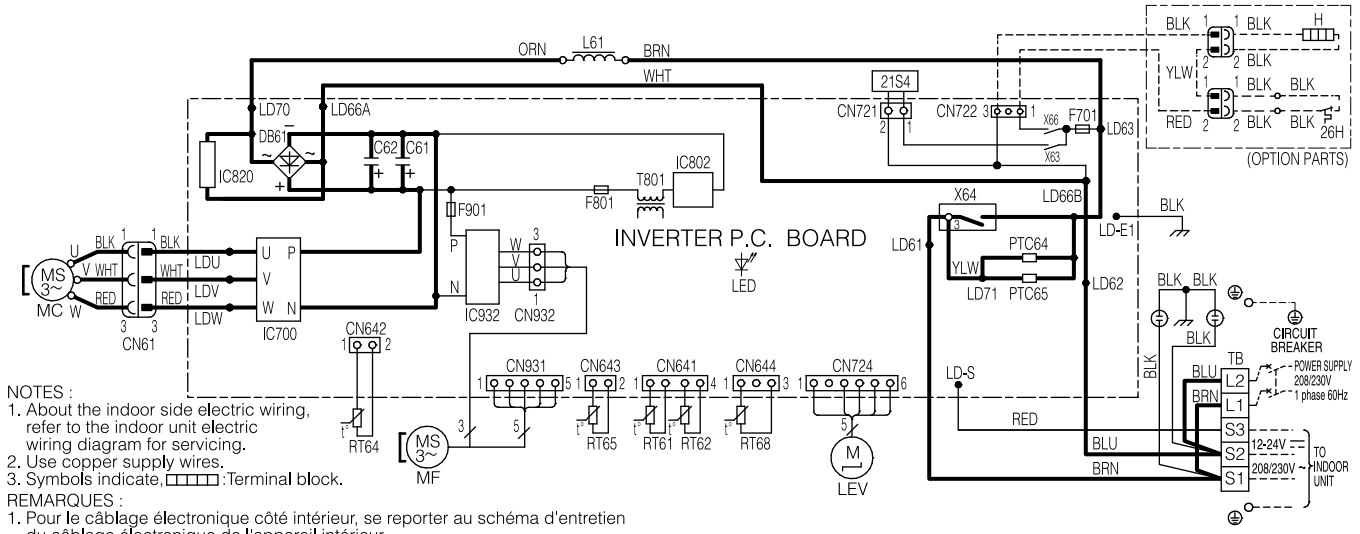


- NOTES:**
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper supply wires.
 3. Symbols indicate, :Terminal block
 :Connector

- REMARQUES:**
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
 2. Utiliser des fils d'alimentation en cuivre.
 3. Les symboles ont les significations suivantes, :Borne
 :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701, F801, F901	FUSE (T3, 15A/250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER (OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700, IC820, IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

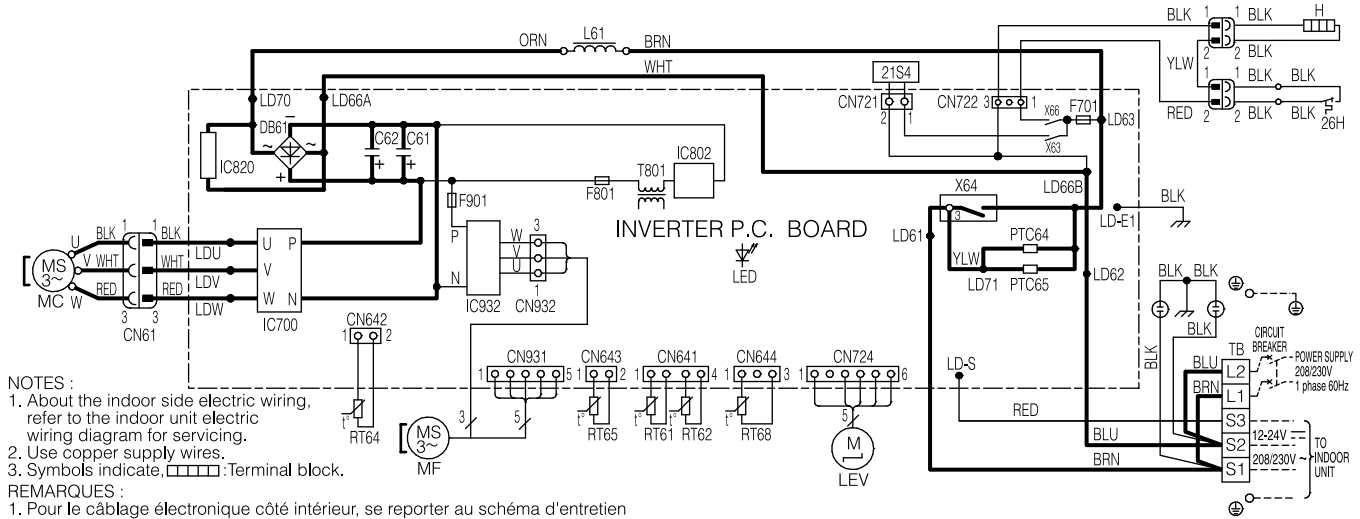
MUZ-FH06NA MUZ-FH09NA MUZ-FH12NA



- NOTES :**
- About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 - Use copper supply wires.
 - Symbols indicate, : Terminal block.
- REMARQUES :**
- Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
 - Utiliser des fils d'alimentation en cuivre.
 - Les symboles ont les significations suivantes, : Borne.

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3, 15A/250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER (OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC320, IC322	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR (OPTION PARTS)
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

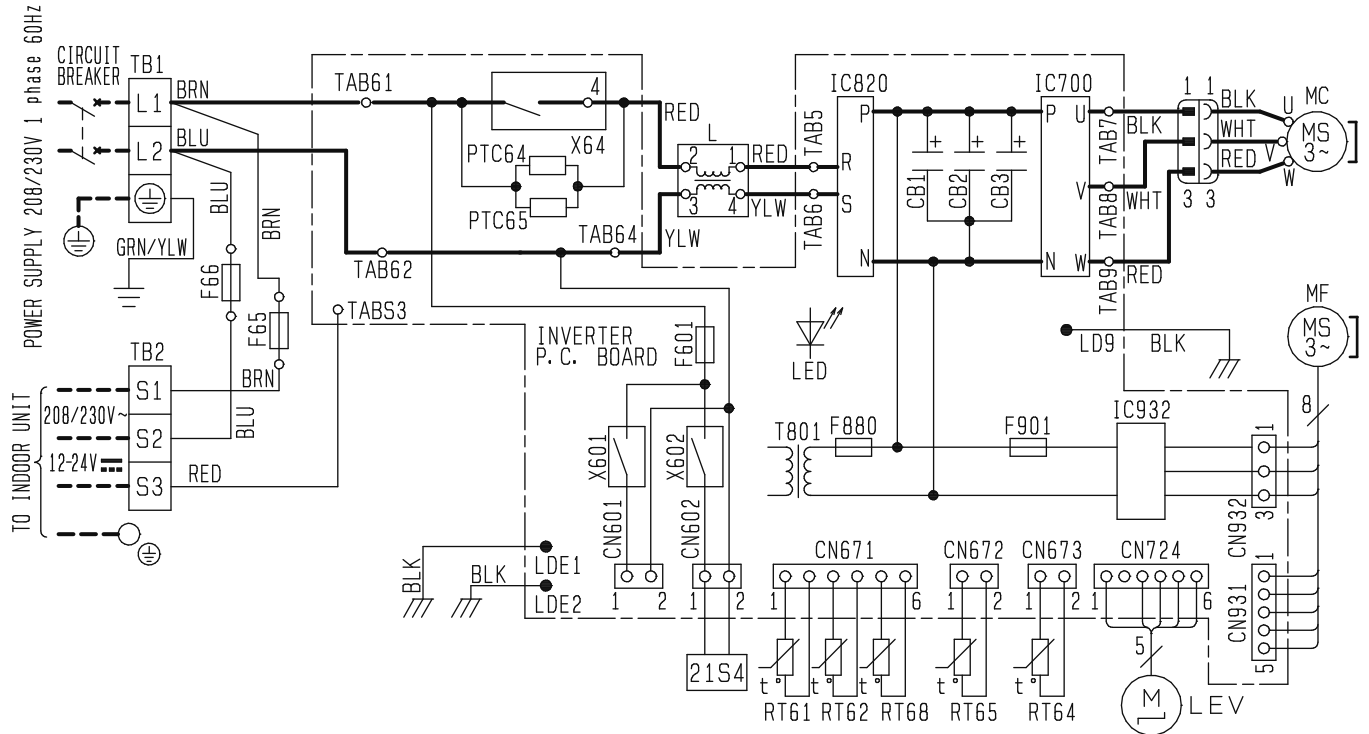
MUZ-FH06NAH MUZ-FH09NAH MUZ-FH12NAH



- NOTES :**
- About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 - Use copper supply wires.
 - Symbols indicate, : Terminal block.
- REMARQUES :**
- Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
 - Utiliser des fils d'alimentation en cuivre.
 - Les symboles ont les significations suivantes, : Borne.

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR		
F701, F801, F901	FUSE (T3, 15A/250V)	MF	FAN MOTOR	TB	TERMINAL BLOCK
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC700, IC320, IC322	POWER MODULE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUZ-FH15NA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1 ~ 3	SMOOTHING CAPACITOR	LED	LED	RT65	AMBIENT TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL250V)	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F601	FUSE (T3. 15AL250V)	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F880	FUSE (T3. 15AL250V)	PTC64	CIRCUIT PROTECTION	T801	TRANSFORMER
F901	FUSE (T3. 15AL250V)	PTC65	CIRCUIT PROTECTION	X601	RELAY
IC700	IGBT Module	RT61	DEFROST THERMISTOR	X602	RELAY
IC820	DIODE Module	RT62	DISCHARGE TEMP. THERMISTOR	X64	RELAY
IC932	IGBT Module	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
L	REACTOR				

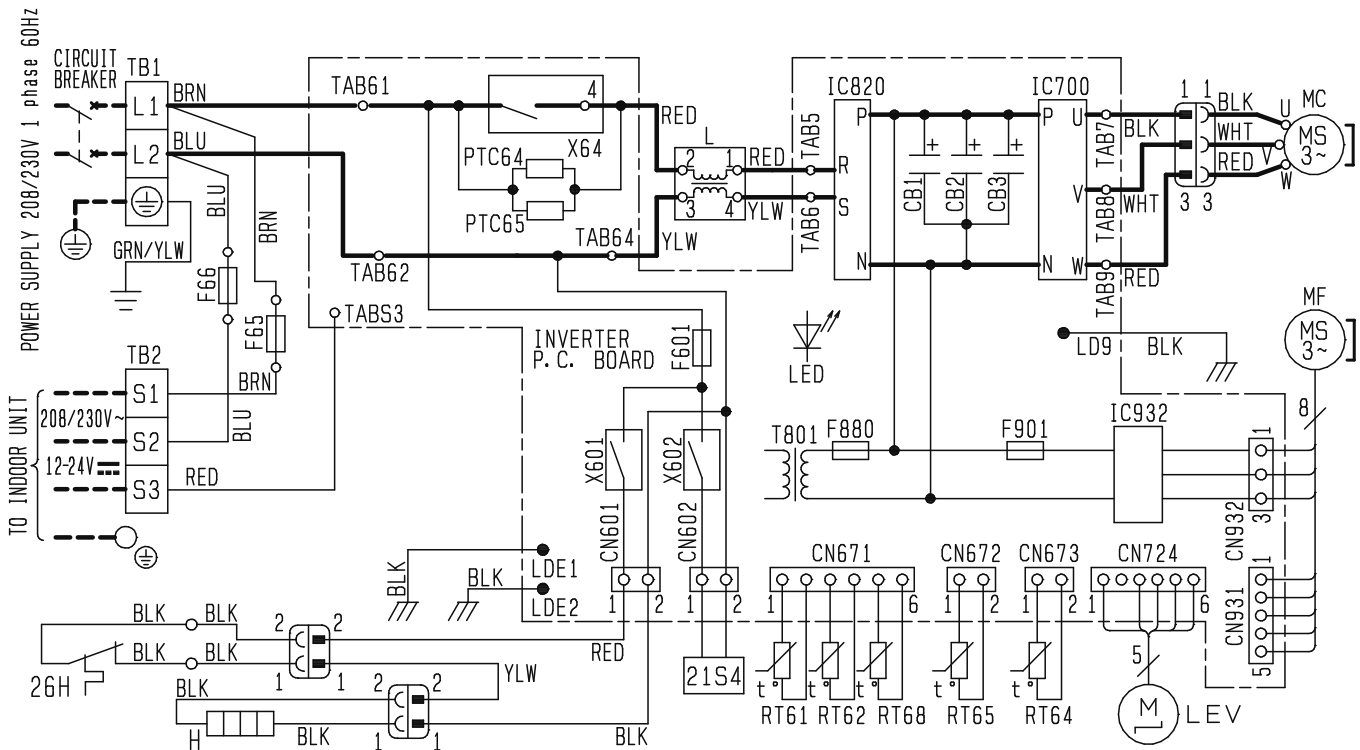
NOTES

1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, : Terminal block

REMARQUES

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, : Borne

MUZ-FH15NAH



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL250V)	LEV	EXPANSION VALVE COIL	TB1, TB2	TERMINAL BLOCK
F601	FUSE (T3. 15AL250V)	MC	COMPRESSOR	T801	TRANSFORMER
F880	FUSE (T3. 15AL250V)	MF	FAN MOTOR	X601	RELAY
F901	FUSE (T3. 15AL250V)	PTC64	CIRCUIT PROTECTION	X602	RELAY
H	DEFROST HEATER	PTC65	CIRCUIT PROTECTION	X64	RELAY
IC700	IGBT Module	RT61	DEFROST THERMISTOR	X64	RELAY
IC820	DIODE Module	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC932	IGBT Module	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

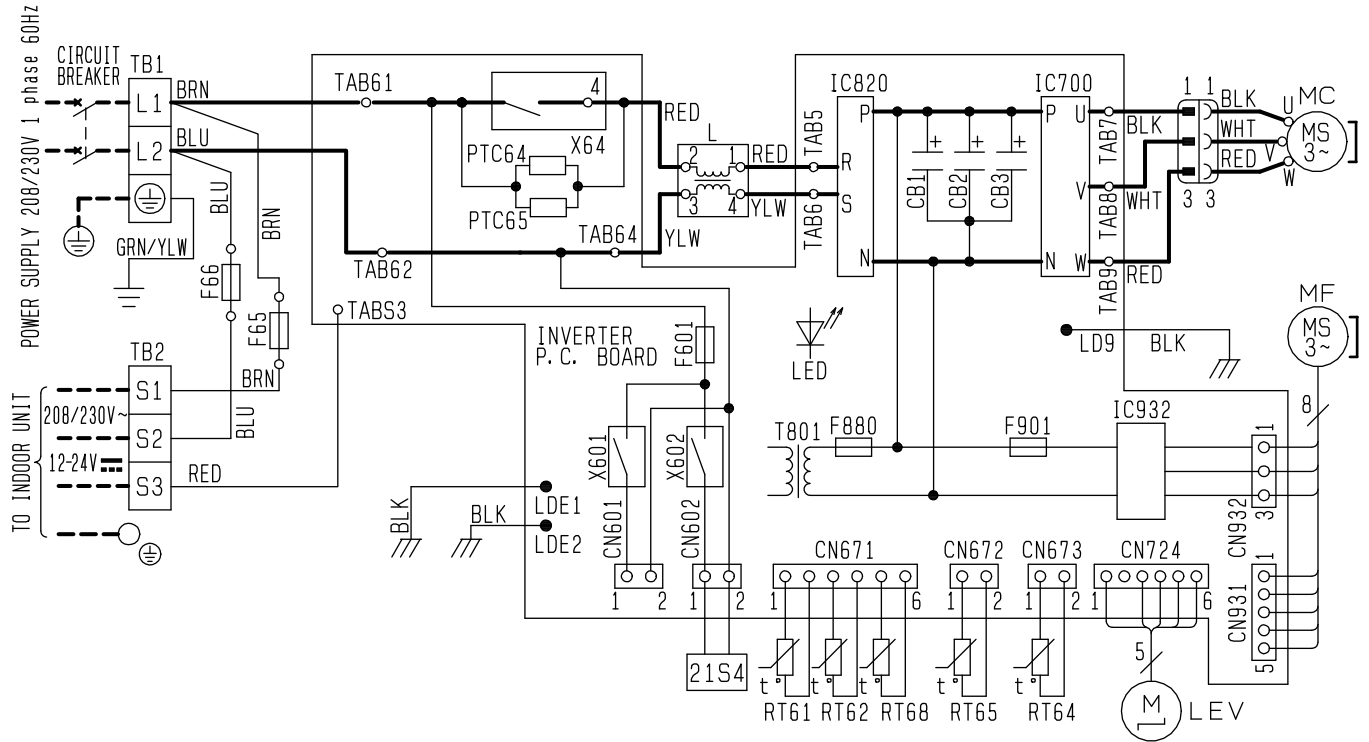
NOTES

1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, : Terminal block

REMARQUES

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, : Borne

MUZ-FH18NA2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT65	AMBIENT TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL250V)	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F601	FUSE (T3. 15AL250V)	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F880	FUSE (T3. 15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
F901	FUSE (T3. 15AL250V)	PTC64	CIRCUIT PROTECTION	X601	RELAY
IC700	IGBT Module	PTC65	CIRCUIT PROTECTION	X602	RELAY
IC820	DIODE Module	RT61	DEFROST THERMISTOR	X64	RELAY
IC932	IGBT Module	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
L	REACTOR	RT64	FIN TEMP. THERMISTOR		

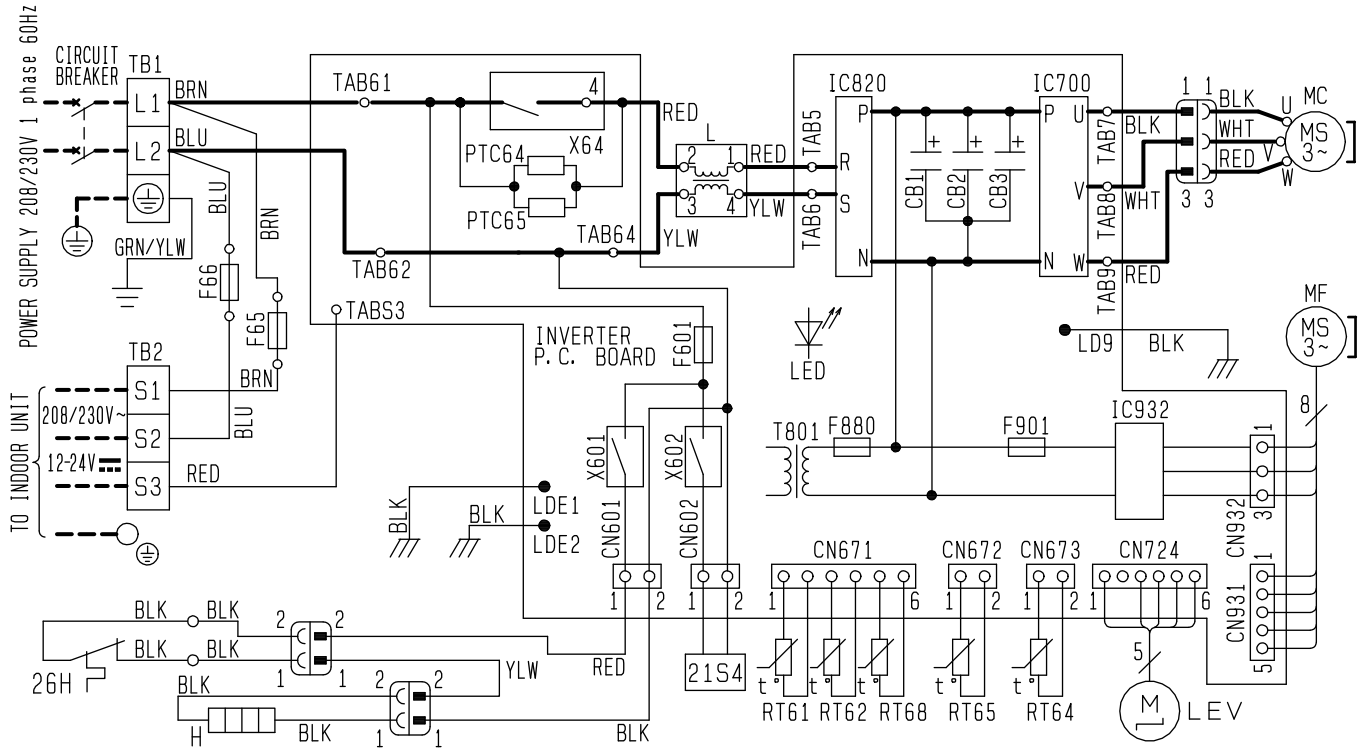
NOTES

- About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
- Use copper supply wires.
- Symbols indicate, :Terminal block :Connector

REMARQUES

- Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
- Utiliser des fils d'alimentation en cuivre.
- Les symboles ont les significations suivantes, :Borne :Connecteur

MUZ-FH18NAH2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL250V)	LEV	EXPANSION VALVE COIL	TB1, TB2	TERMINAL BLOCK
F601	FUSE (T3. 15AL250V)	MC	COMPRESSOR	T801	TRANSFORMER
F880	FUSE (T3. 15AL250V)	MF	FAN MOTOR	TC64	CIRCUIT PROTECTION
F901	FUSE (T3. 15AL250V)	PTC65	CIRCUIT PROTECTION	X601	RELAY
H	DEFROST HEATER	PTC65	CIRCUIT PROTECTION	X602	RELAY
IC700	IGBT Module	RT61	DEFROST THERMISTOR	X64	RELAY
IC820	DIODE Module	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
IC932	IGBT Module	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

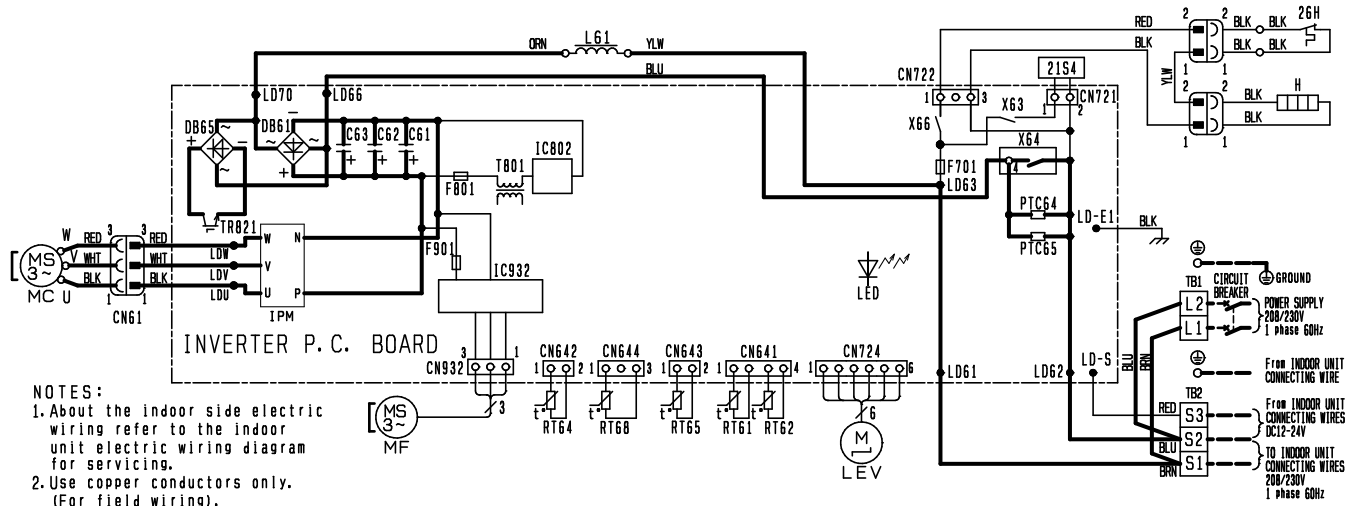
NOTES

- About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
- Use copper supply wires.
- Symbols indicate, : Terminal block : Connector

REMARQUES

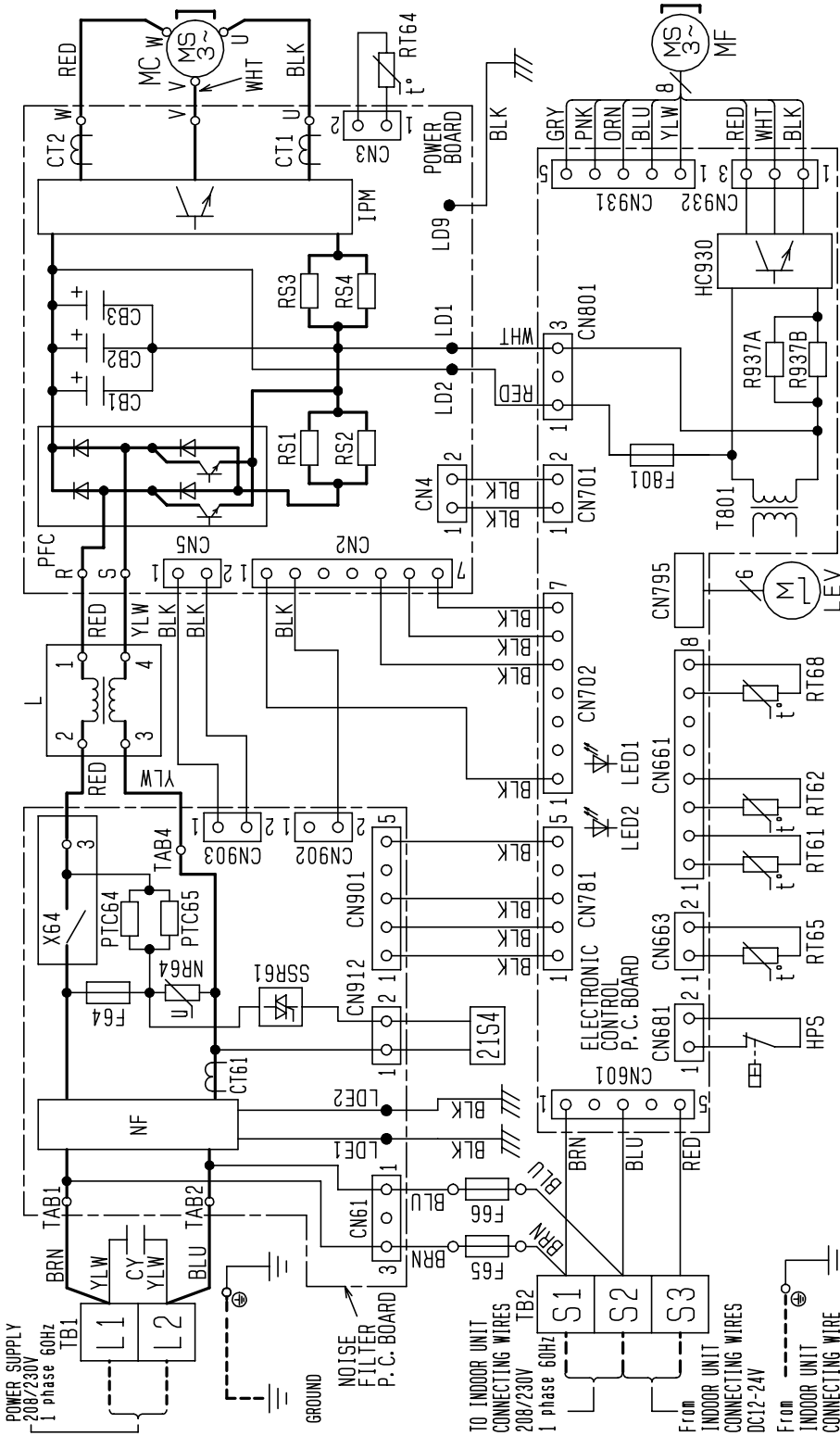
- Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
- Utiliser des fils d'alimentation en cuivre.
- Les symboles ont les significations suivantes, : Borne : Connecteur

MUZ-FE09NAH MUZ-FE12NAH



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61, DB65	DIODE MODULE	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F801, F801, F801	FUSE (T3, 15A/250V)	MF	FAN MOTOR	TR821	SWITCHING POWER TRANSISTOR
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IPM, IC932	POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	2154	REVERSING VALVE COIL
LED	LED	RT64	FIN TEMP. THERMISTOR	26H	HEATER PROTECTOR
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

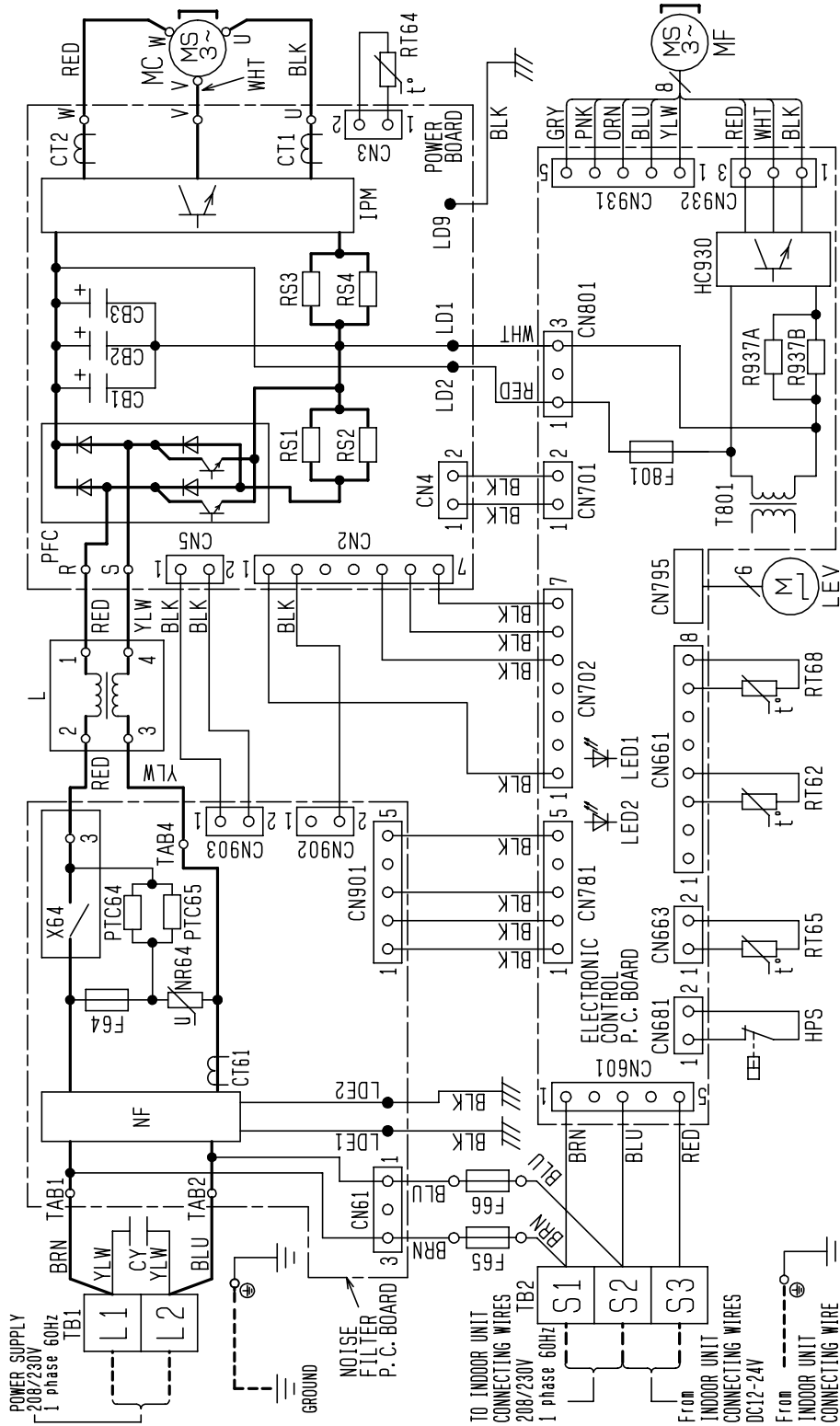
MUZ-D30NA MUZ-D36NA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	RT64	FIN TEMP. THERMISTOR
CT1, 2	CURRENT TRANSFORMER	LEV	EXPANSION VALVE	RT65	AMBIENT TEMP. THERMISTOR
CT61	CURRENT TRANSFORMER	MC	COMPRESSOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
CY	CAPACITOR	MF	FAN MOTOR	PTC64.65	RESISTOR
F64	FUSE (T2AL250V)	NF	NOISE FILTER	R937A, B	RESISTOR
F65, F66	FUSE (T6. 3AL250V)	NR64	VARISTOR	SSR61	SOLENOID COIL RELAY
F801	FUSE (T3. 15AL250V)	PFC	POWER FACTOR CONTROLLER	TBL, 2	TERMINAL BLOCK
HC930	INTELLIGENT POWER MODULE	RS1~4	RESISTOR	T801	SWITCHING TRANSFORMER
HPS	HIGH PRESSURE SWITCH	RT61	DEFROST THERMISTOR	X64	RELAY
IPM	INTELLIGENT POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	21S4	REVERSING VALVE SOLENOID COIL

NOTES
 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper conductors only (for field wiring).
 3. Symbols below indicate.
 □ □ □ □ : terminal block

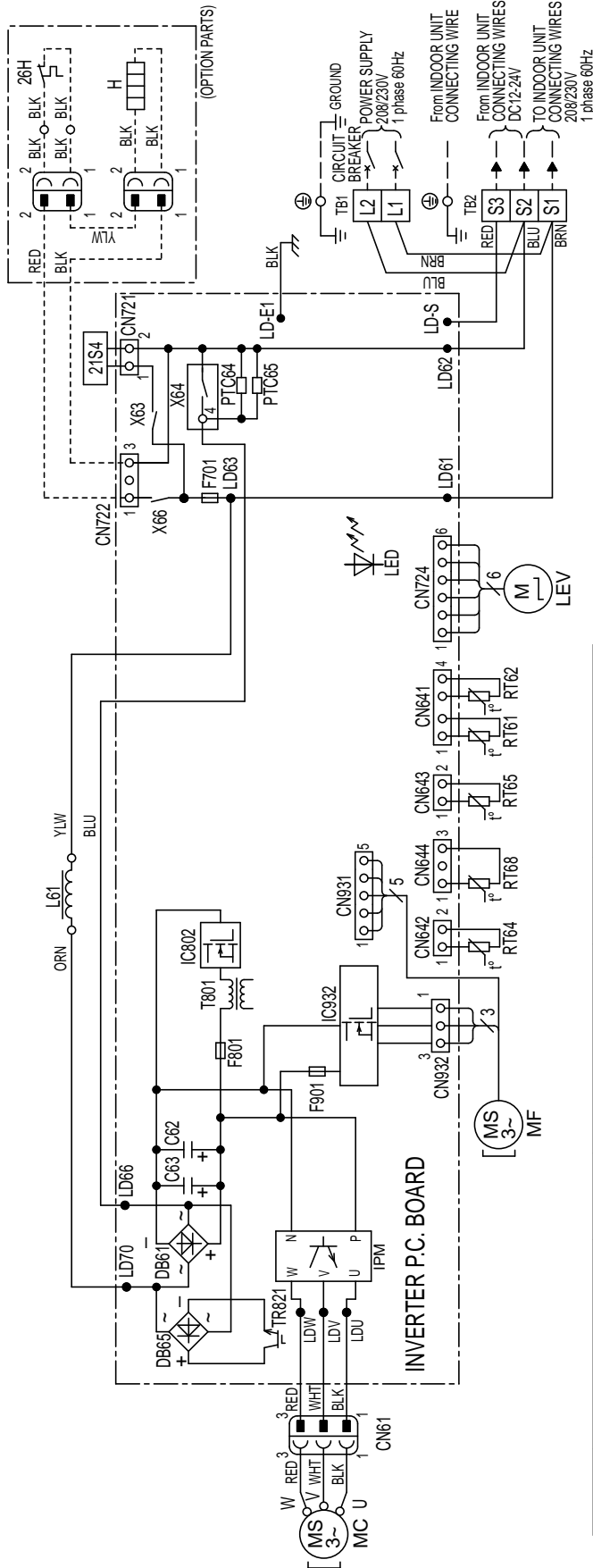
MUY-D30NA MUY-D36NA



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR
CT1, 2	CURRENT TRANSFORMER	LEV	EXPANSION VALVE	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
CT61	CURRENT TRANSFORMER	MC	COMPRESSOR	PTC64, 65	RESISTOR
CY	CAPACITOR	MF	FAN MOTOR	R937A, B	RESISTOR
F64	FUSE (T2AL250V)	NF	NOISE FILTER	TB1	TERMINAL BLOCK
F65, F66	FUSE (T6. 3AL250V)	NR64	VARIABLE	TB2	TERMINAL BLOCK
F801	FUSE (T3. 15AL250V)	PFC	POWER FACTOR CONTROLLER	T801	SWITCHING TRANSFORMER
HC930	INTELLIGENT POWER MODULE	RS1~4	RESISTOR	X64	RELAY
HPS	HIGH PRESSURE SWITCH	RT62	DISCHARGE TEMP. THERMISTOR		
IPM	INTELLIGENT POWER MODULE	RT64	FIN TEMP. THERMISTOR		

NOTES 1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper conductors only (for field wiring).
 3. Symbols below indicate.
 □: Terminal block

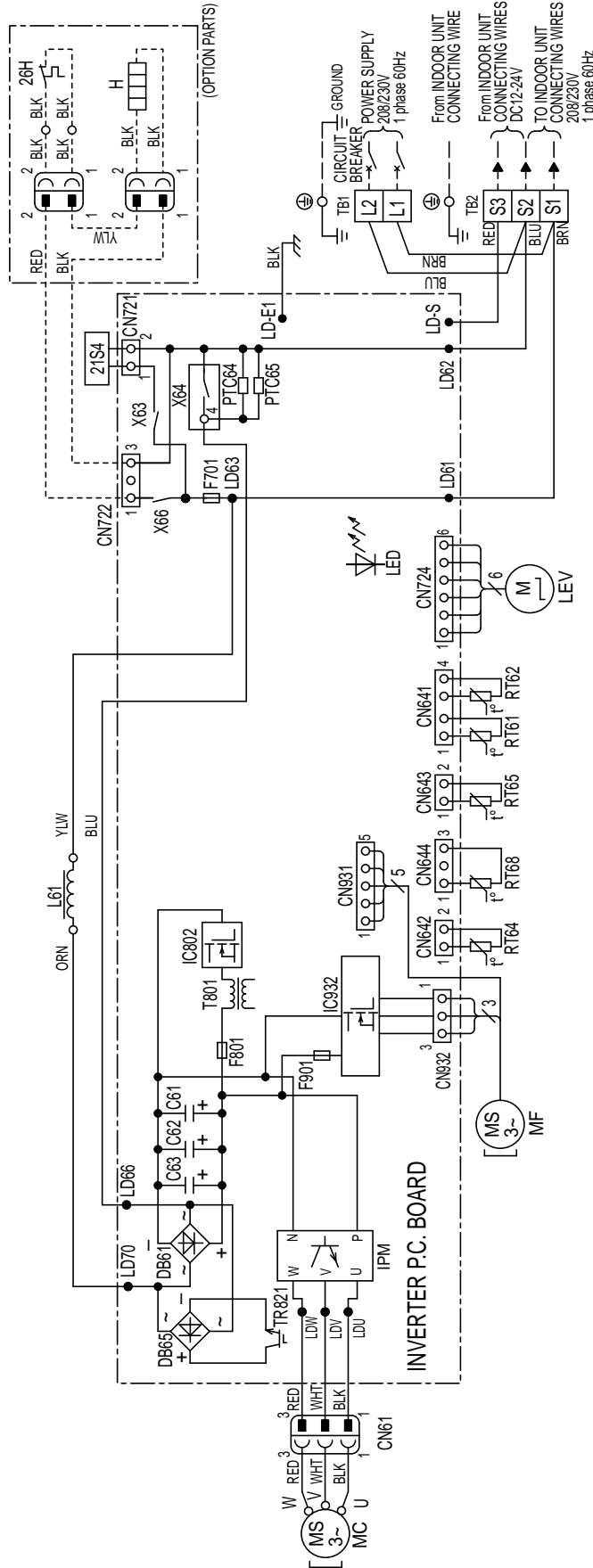
SUZ-KA09NA SUZ-KA12NA



- NOTES:**
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper conductors only. (For field wiring).

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER
DB61, DB65	DIODE MODULE	MC	COMPRESSOR		TEMP. THERMISTOR.
F701, F801, F901	FUSE (T3, 15A/250V)	MF	FAN MOTOR	TB1, TB2	TERMINAL BLOCK
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	TR821	SWITCHING POWER TRANSISTOR
IPM, IC932	INTELLIGENT POWER DEVICE	RT61	DEFROST THERMISTOR	TR801	TRANSFORMER
L61	REACTOR	RT62	DISCHARGE TEMP. THERMISTOR	X63, X64, X66	RELAY
LED	LED	RT64	FIN TEMP. THERMISTOR	21S4	REVERSING VALVE COIL
		RT65	AMBIENT TEMP. THERMISTOR	26H	HEATER PROTECTOR(OPTION PARTS)

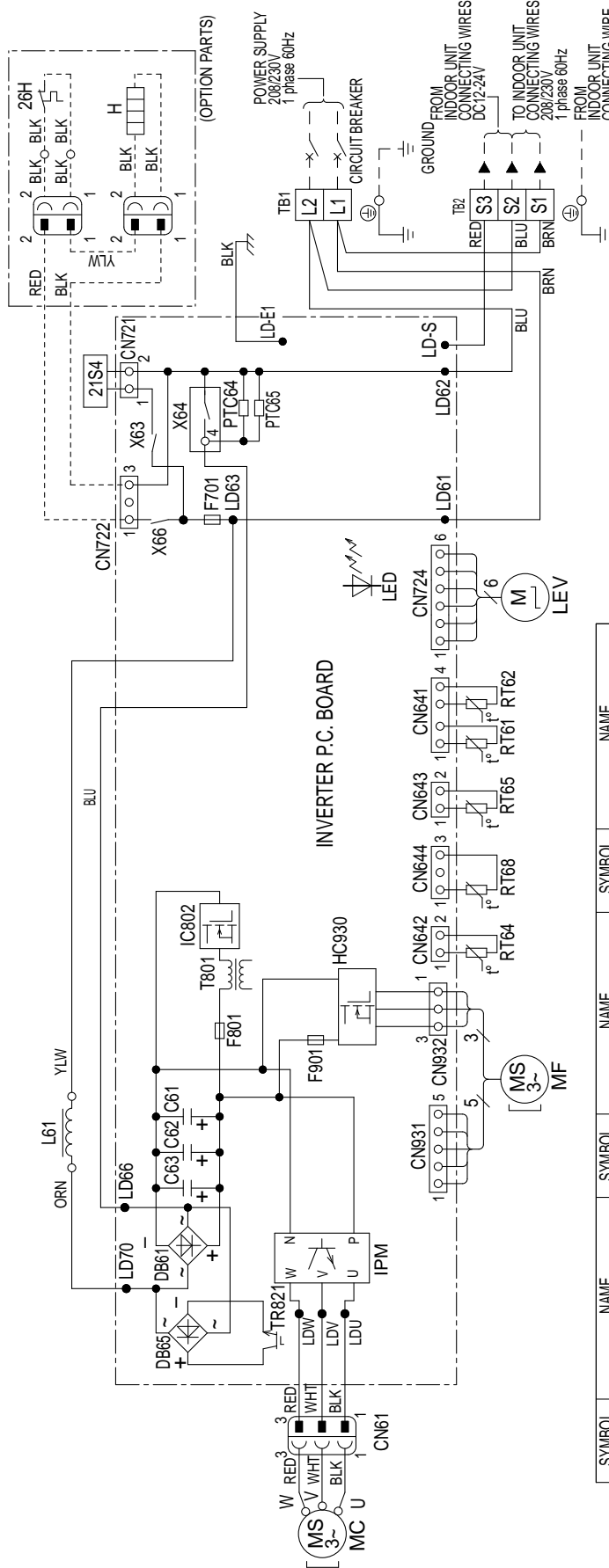
SUZ-KA15NA



- NOTES:**
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper conductors only. (For field wiring).

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61, DB65	DIODE MODULE	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F701, F801, F901	FUSE (T3:15A/250V)	MF	FAN MOTOR	TR821	SWITCHING POWER TRANSISTOR
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	T801	TRANSFORMER
IC802	INTELLIGENT POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IPM, IC932	INTELLIGENT POWER MODULE	RT62	DISCHARGE TEMP. THERMISTOR	Z1S4	REVERSING VALVE COIL
L61	REACTOR	RT64	FIN TEMP. THERMISTOR		HEATER PROTECTOR(OPTION PARTS)
LED	LED	RT65	AMBIENT TEMP. THERMISTOR	26H	

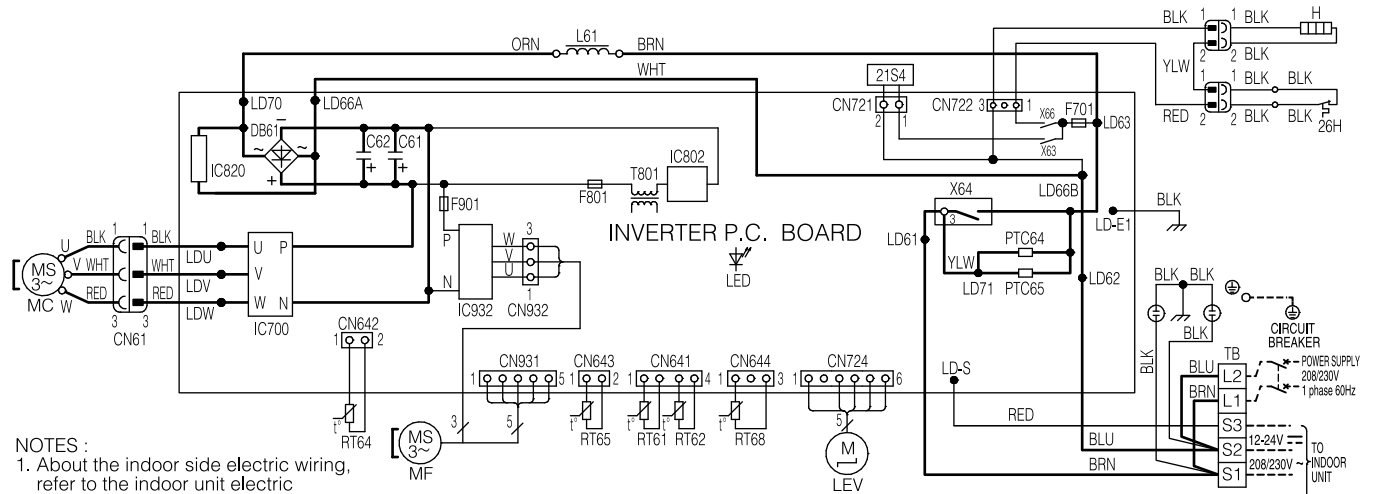
SUZ-KA18NA



- NOTES:
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper conductors only. (For field wiring).

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61, C62, C63	SMOOTHING CAPACITOR	LEV	EXPANSION VALVE COIL	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR.
DB61	DIODE MODULE	MC	COMPRESSOR	TB1, TB2	TERMINAL BLOCK
F701, F801, F901	FUSE (T3:15AL250V)	MF	FAN MOTOR	TR821	SWITCHING POWER TRANSISTOR
H	DEFROST HEATER(OPTION PARTS)	PTC64, PTC65	CIRCUIT PROTECTION	TR801	TRANSFORMER
IC802	INTELLIGENT POWER DEVICE	RT61	DEFROST THERMISTOR	X63, X64, X66	RELAY
IPM, HC930	INTELLIGENT POWER MODULE	RT62	DISCHARGE TEMP.THERMISTOR	21S4	REVERSING VALVE COIL
L61	REACTOR	RT64	FIN TEMP.THERMISTOR		HEATER PROTECTOR(OPTION PARTS)
LED	LED	RT65	AMBIENT TEMP.THERMISTOR	26H	

MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ



NOTES :

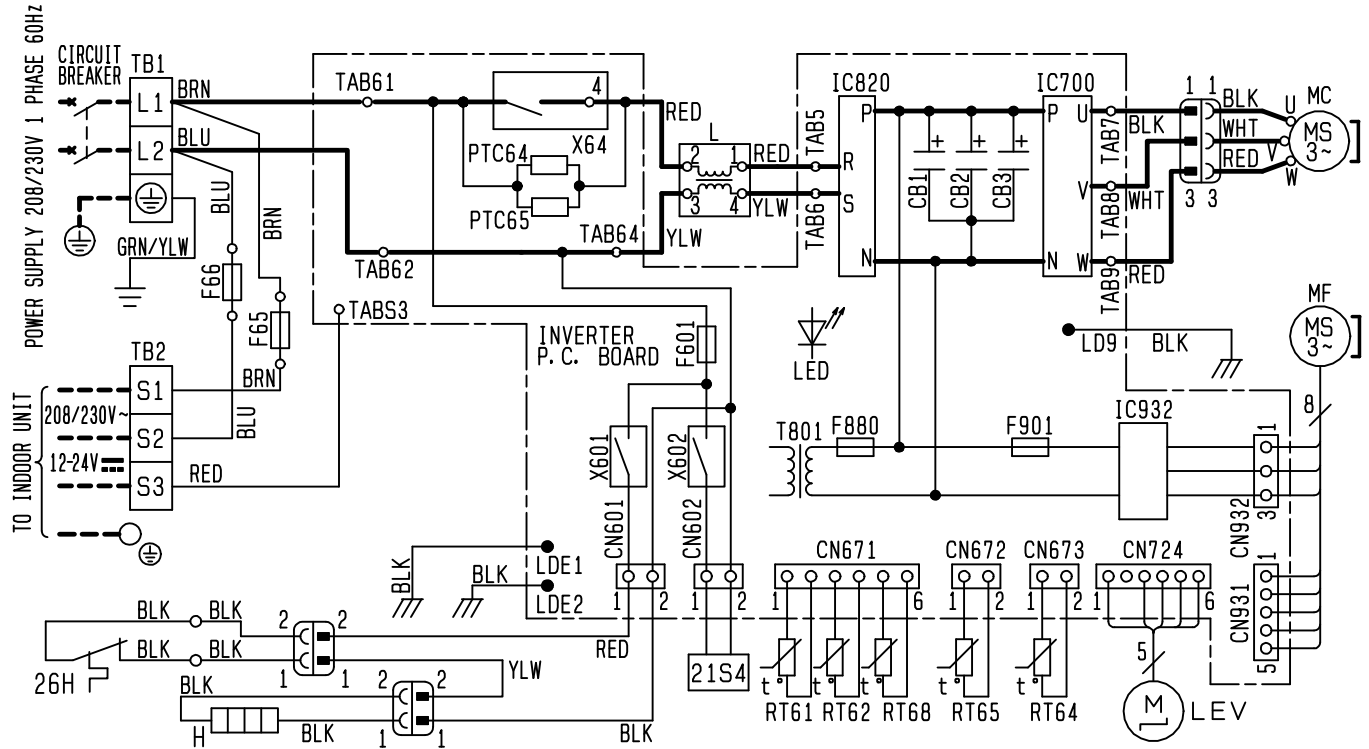
1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block
 :Connector

REMARQUES :

1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne
 :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C61,C62	SMOOTHING CAPACITOR	L61	REACTOR	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
DB61	DIODE MODULE	MC	COMPRESSOR	TB	TERMINAL BLOCK
F701,F801,F901	FUSE (T3. 15AL250V)	MF	FAN MOTOR	T801	TRANSFORMER
H	DEFROST HEATER	PTC64, PTC65	CIRCUIT PROTECTION	X63, X64, X66	RELAY
IC700,IC820,IC932	POWER MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC802	POWER DEVICE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR
LED	LED	RT64	FIN TEMP. THERMISTOR		
LEV	EXPANSION VALVE COIL	RT65	AMBIENT TEMP. THERMISTOR		

MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ



NOTES

1. About the indoor side electric wiring, refer to the indoor unit electric wiring diagram for servicing.
2. Use copper supply wires.
3. Symbols indicate, :Terminal block :Connector

REMARQUES

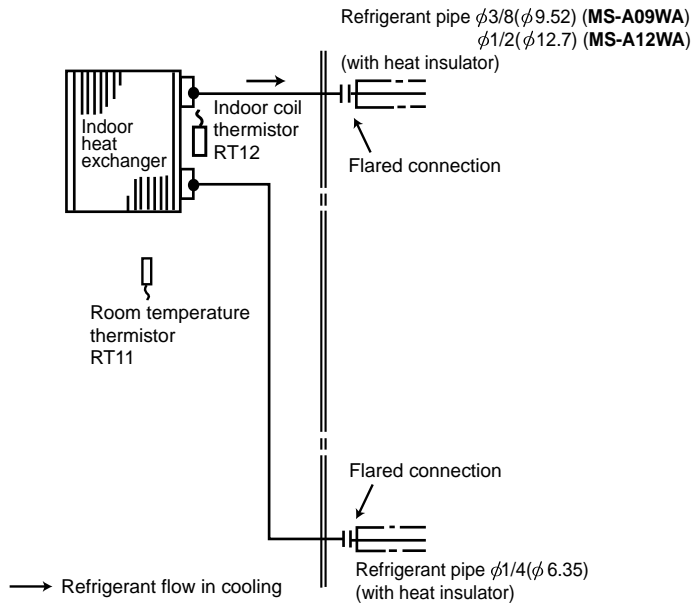
1. Pour le câblage électronique côté intérieur, se reporter au schéma d'entretien du câblage électronique de l'appareil intérieur.
2. Utiliser des fils d'alimentation en cuivre.
3. Les symboles ont les significations suivantes, :Borne :Connecteur

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1~3	SMOOTHING CAPACITOR	LED	LED	RT68	OUTDOOR HEAT EXCHANGER TEMP. THERMISTOR
F65, F66	FUSE (T6. 3AL250V)	LEV	EXPANSION VALVE COIL	TB1, TB2	TERMINAL BLOCK
F601	FUSE (T3. 15AL250V)	MC	COMPRESSOR	T801	TRANSFORMER
F880	FUSE (T3. 15AL250V)	MF	FAN MOTOR	X601	RELAY
F901	FUSE (T3. 15AL250V)	PTC64	CIRCUIT PROTECTION	X602	RELAY
H	DEFROST HEATER	PTC65	CIRCUIT PROTECTION	X64	RELAY
IC700	IGBT MODULE	RT61	DEFROST THERMISTOR	21S4	REVERSING VALVE COIL
IC820	DIODE MODULE	RT62	DISCHARGE TEMP. THERMISTOR	26H	HEATER PROTECTOR
IC932	IGBT MODULE	RT64	FIN TEMP. THERMISTOR		
L	REACTOR	RT65	AMBIENT TEMP. THERMISTOR		

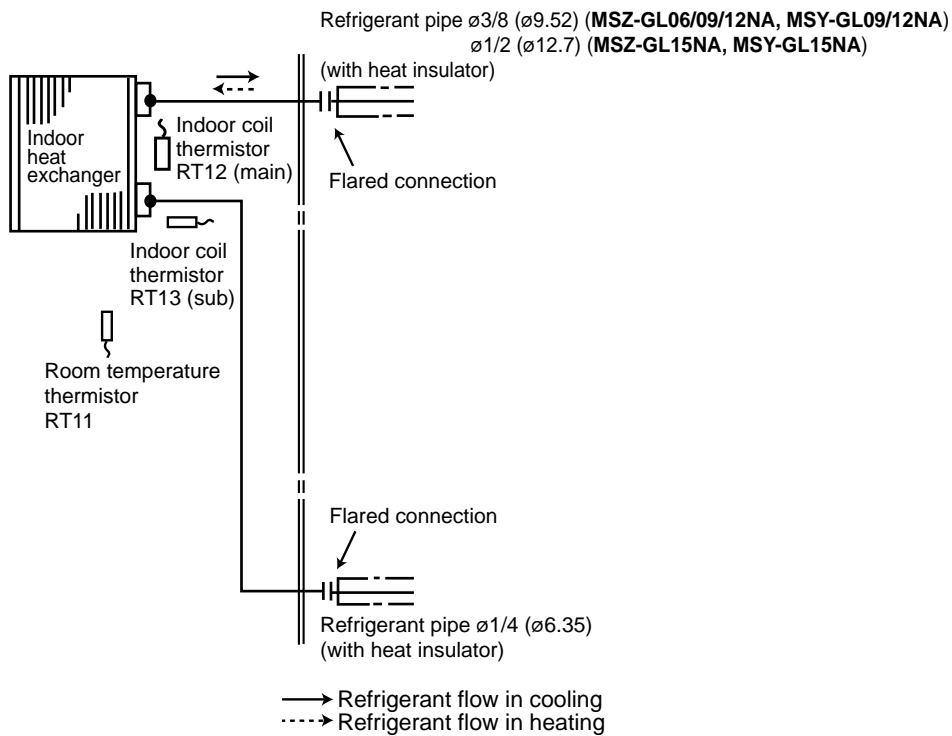
6 | REFRIGERANT SYSTEM DIAGRAM

6-1. INDOOR UNIT MS-A09WA MS-A12WA

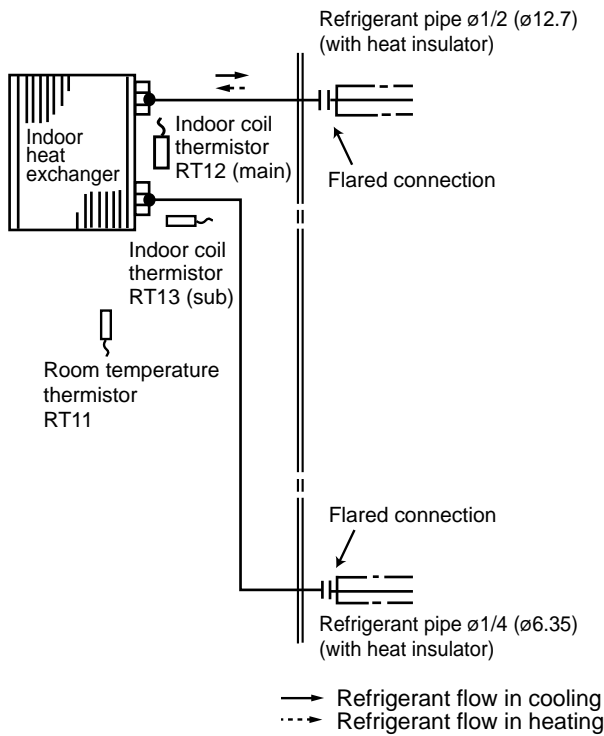
Unit: inch (mm)



MSZ-GL06NA MSZ-GL09NA MSZ-GL12NA MSZ-GL15NA MSY-GL09NA MSY-GL12NA MSY-GL15NA

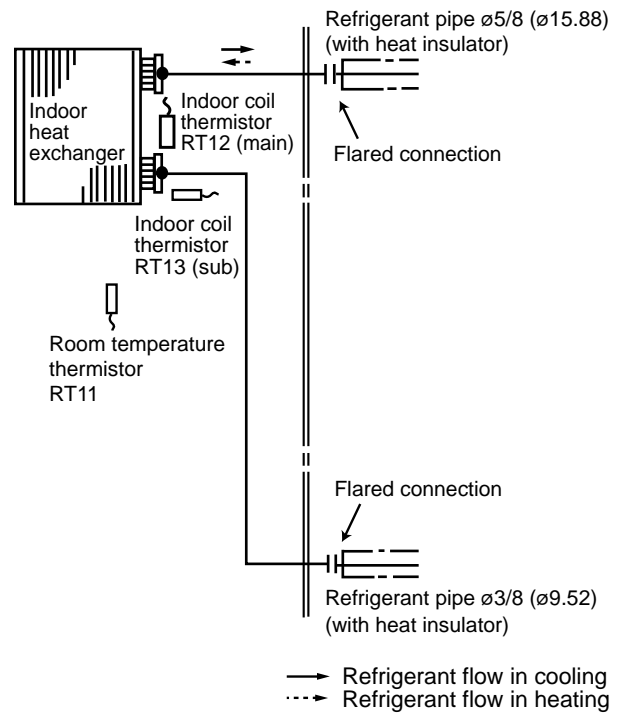


**MSZ-GL18NA
MSY-GL18NA**

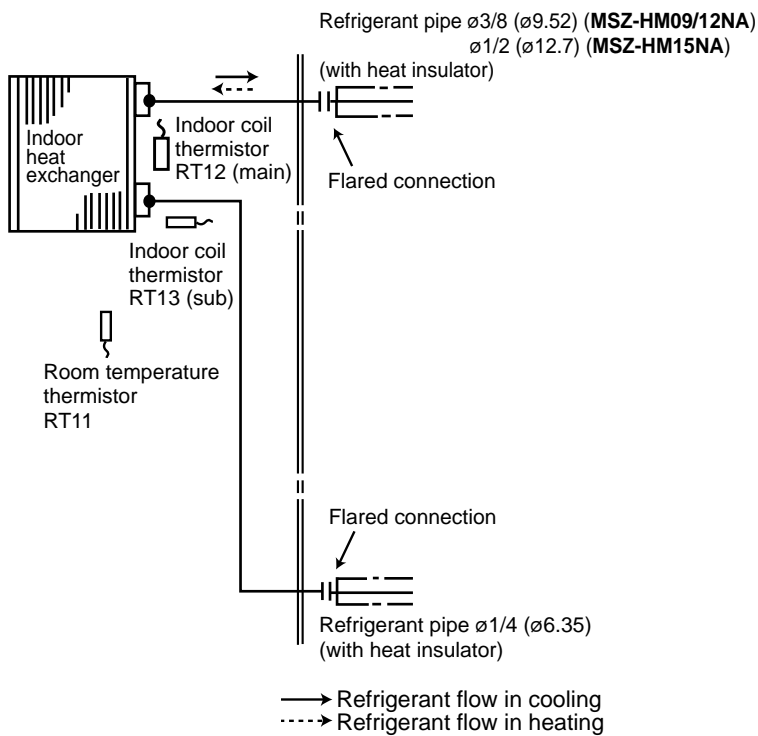


**MSZ-GL24NA
MSY-GL24NA**

Unit: inch (mm)

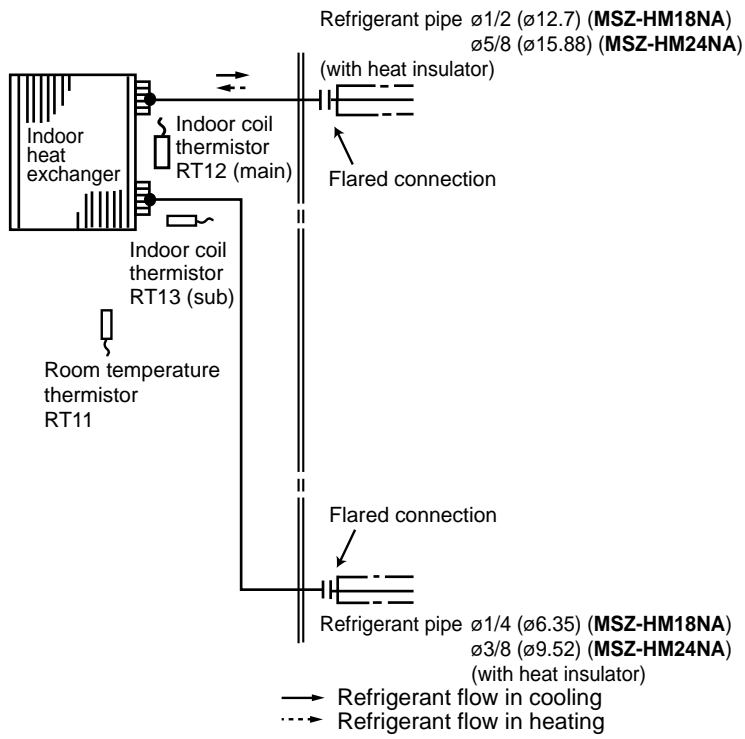


MSZ-HM09NA MSZ-HM12NA MSZ-HM15NA

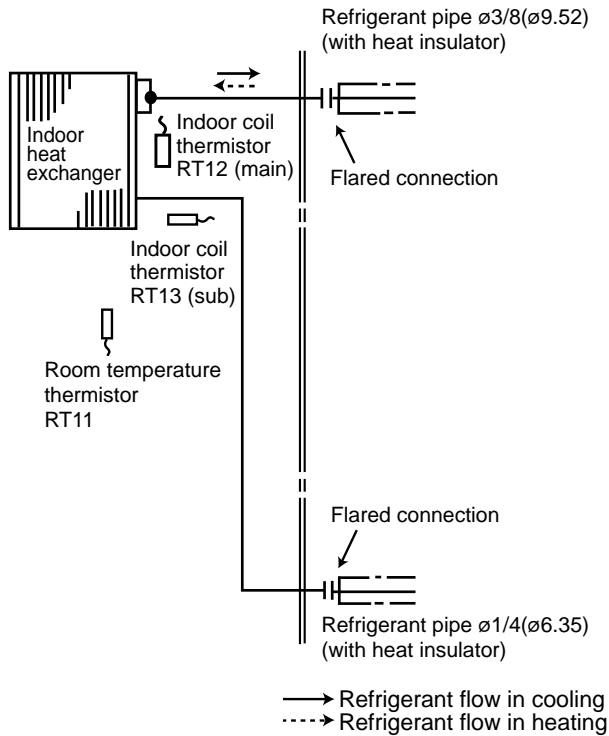


MSZ-HM18NA MSZ-HM24NA

Unit: inch (mm)

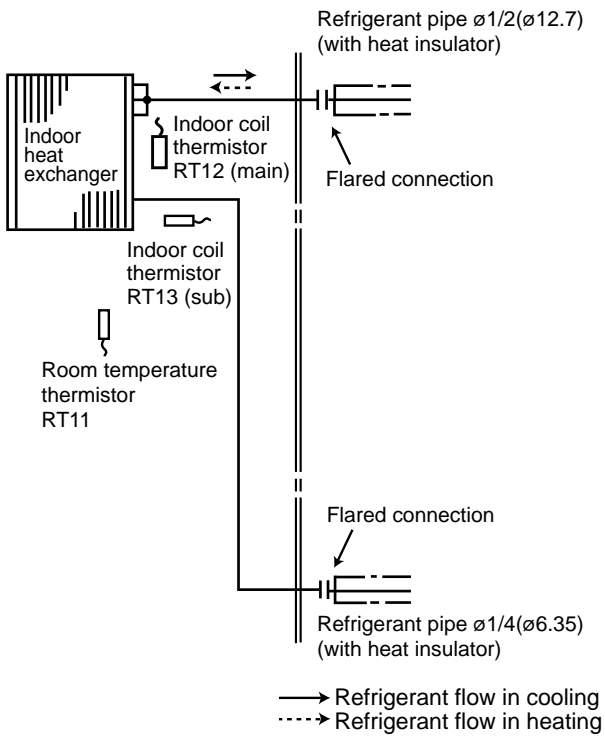


MSZ-FH06NA MSZ-FH09NA MSZ-FH12NA

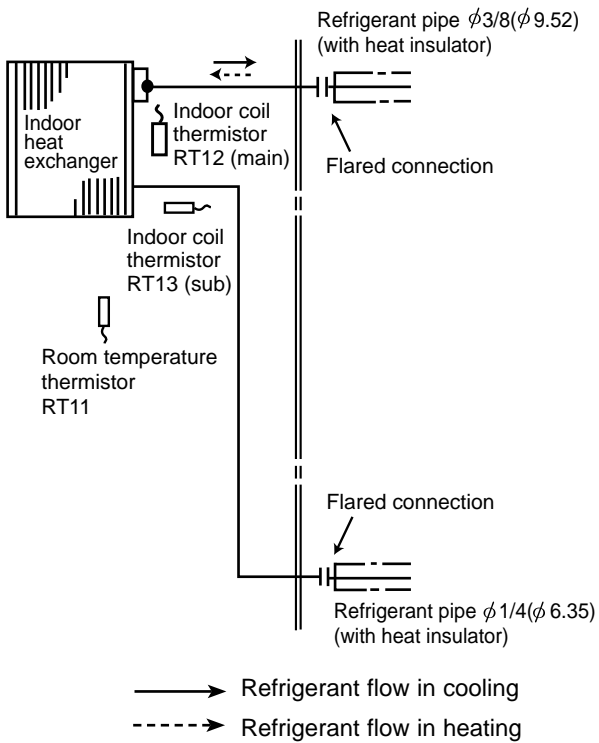


MSZ-FH15NA MSZ-FH18NA2

Unit: inch (mm)

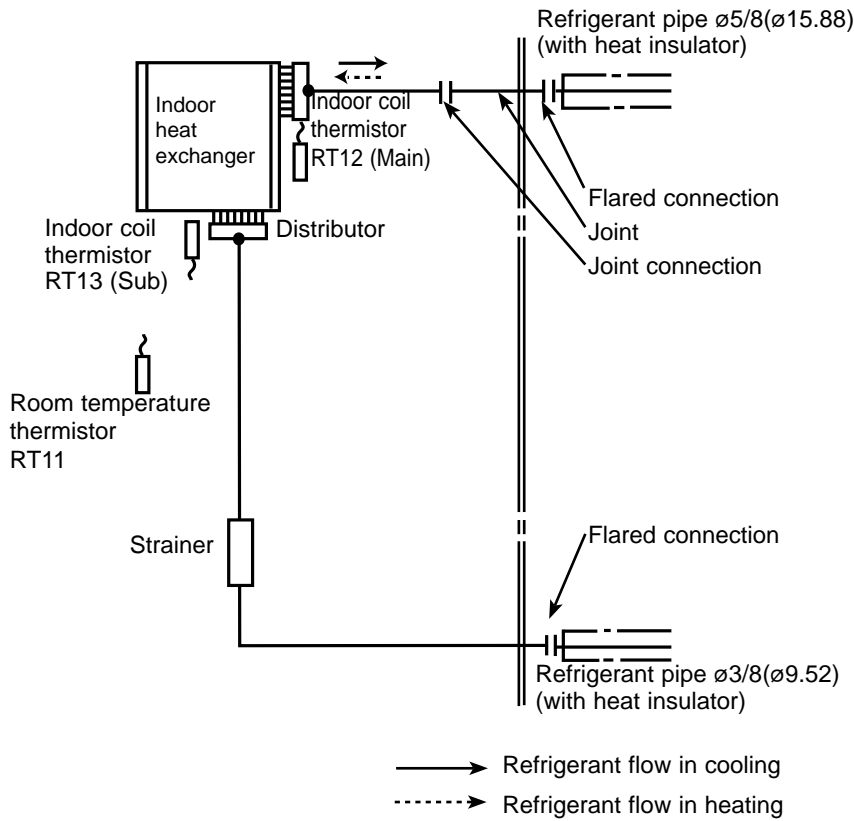


MSZ-FE09NA MSZ-FE12NA

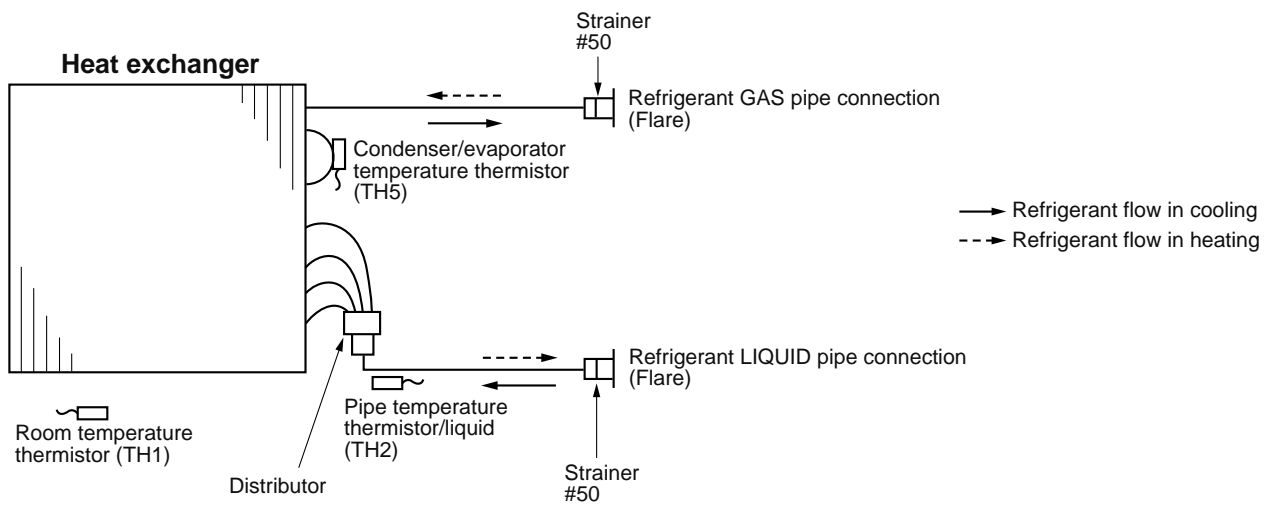


MSZ-D30NA MSZ-D36NA MSY-D30NA MSY-D36NA

Unit: inch (mm)

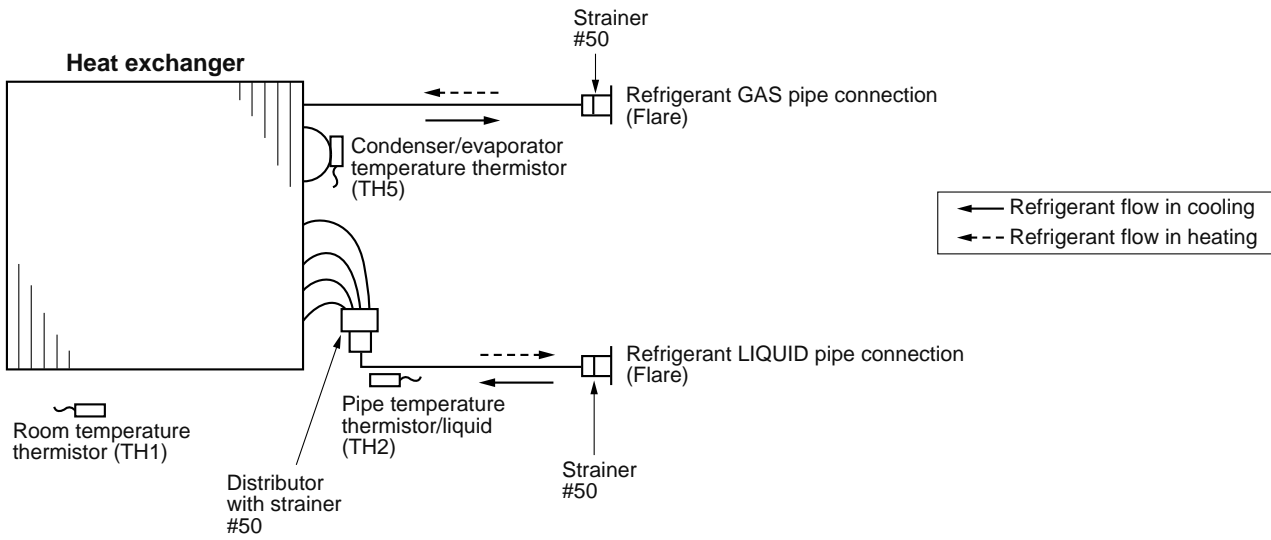


SEZ-KD09NA4 SEZ-KD12NA4 SEZ-KD15NA4 SEZ-KD18NA4

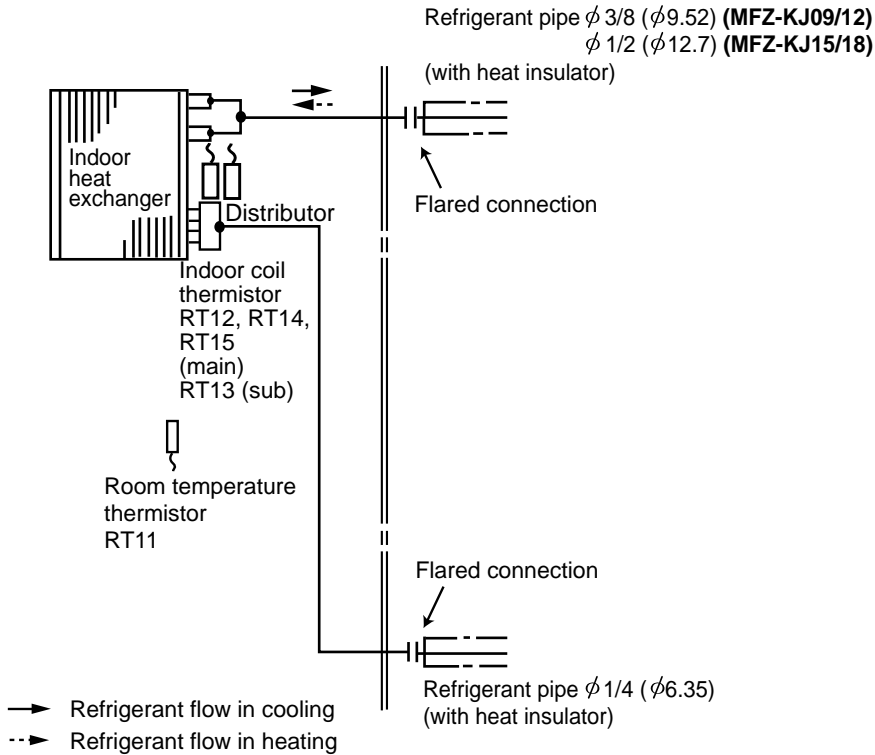


SLZ-KA09NA SLZ-KA12NA SLZ-KA15NA

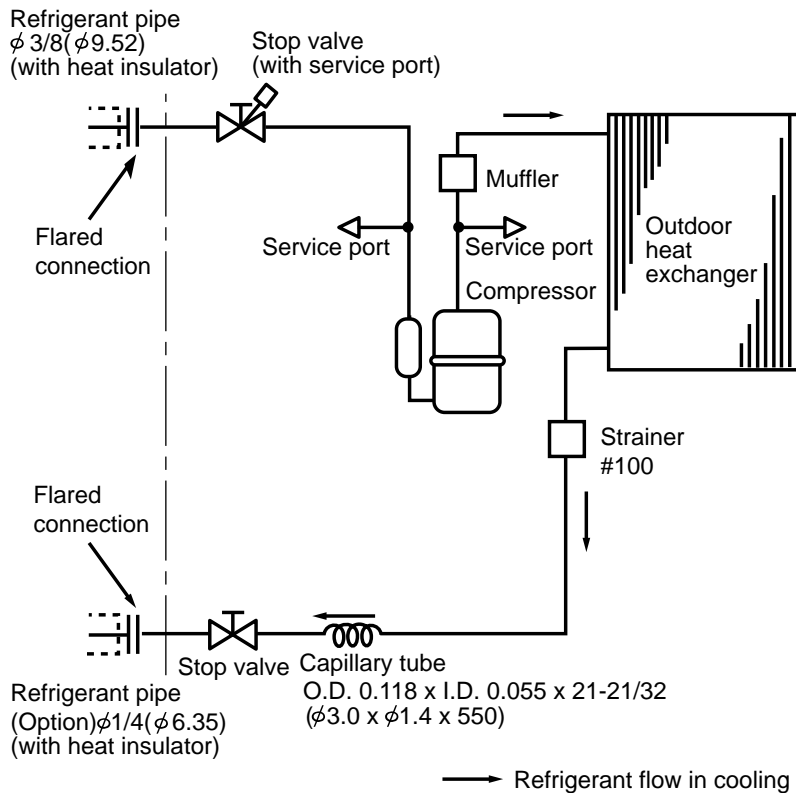
Unit: inch (mm)



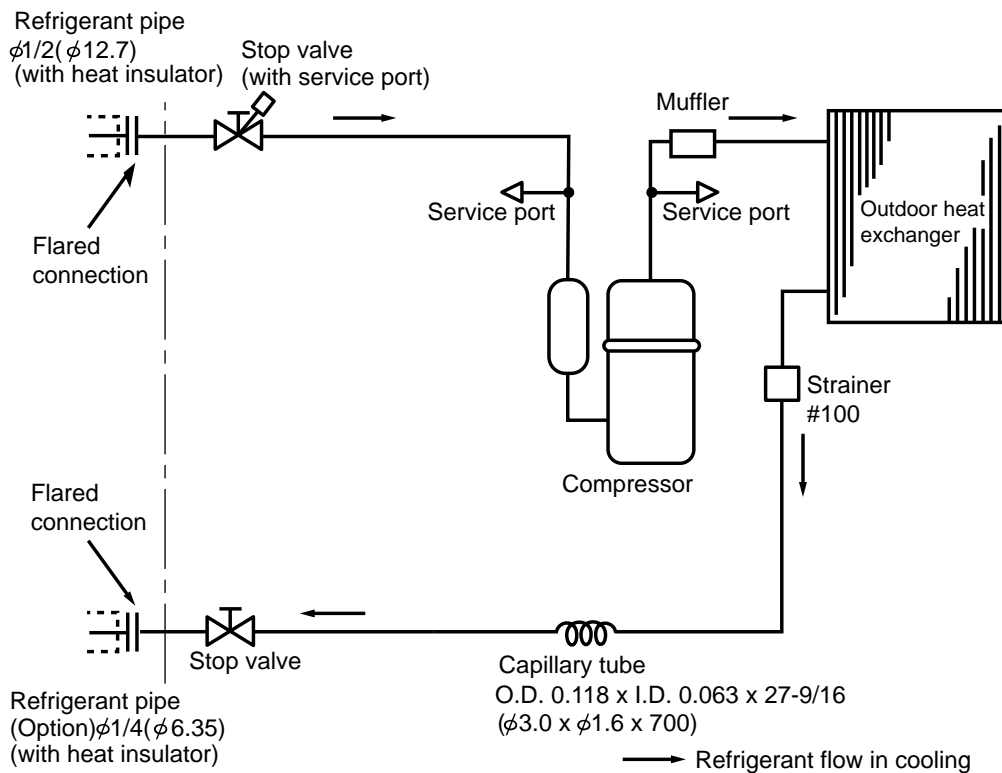
MFZ-KJ09NA MFZ-KJ12NA MFZ-KJ15NA MFZ-KJ18NA



6-2. OUTDOOR UNIT MU-A09WA

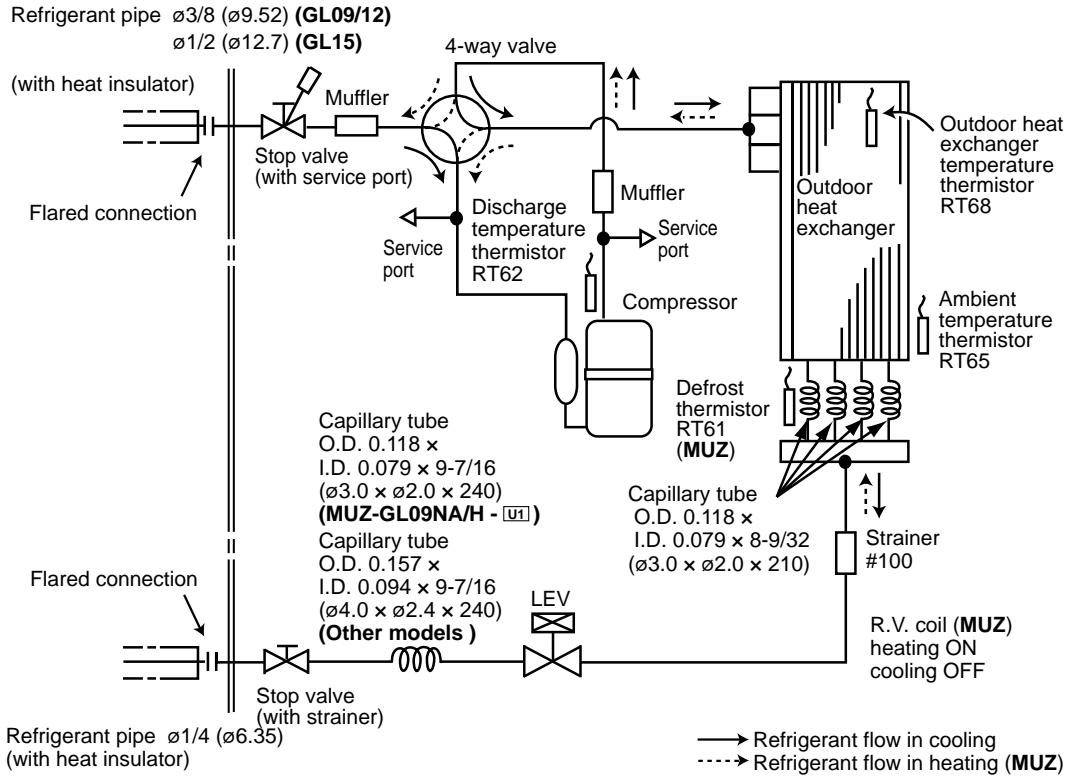


MU-A12WA

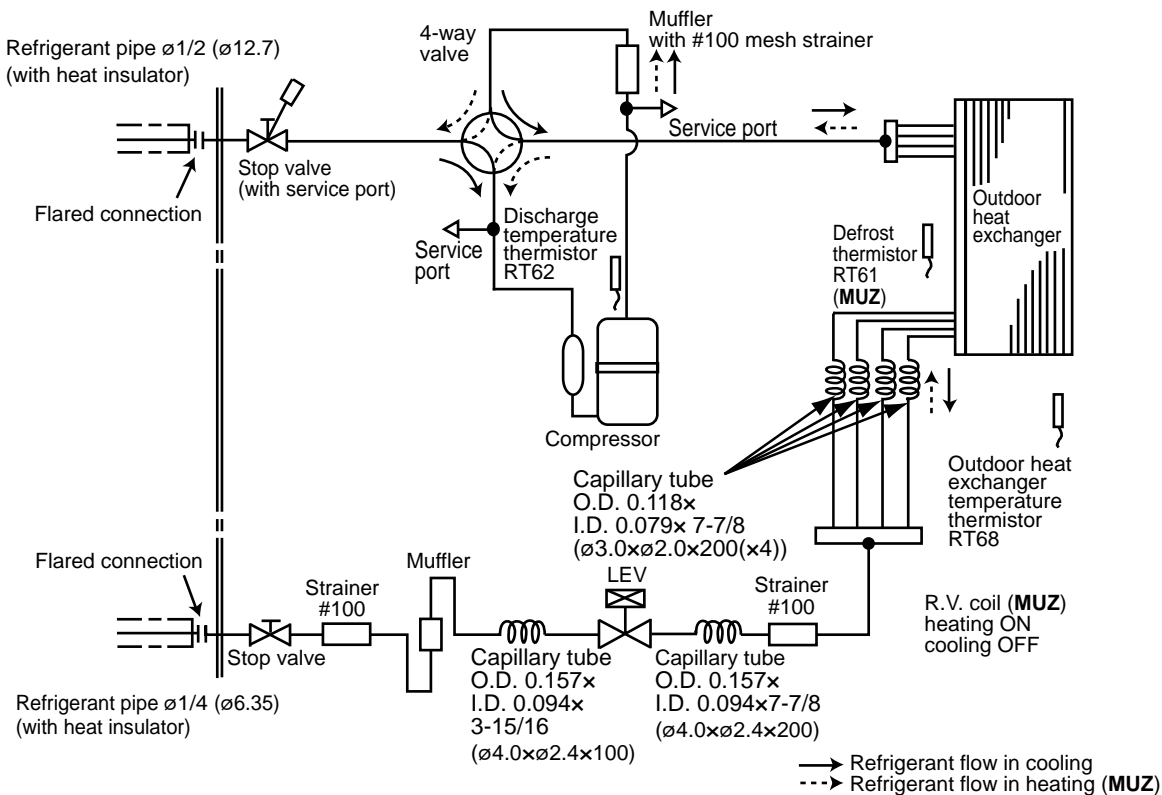


MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

Unit: inch (mm)

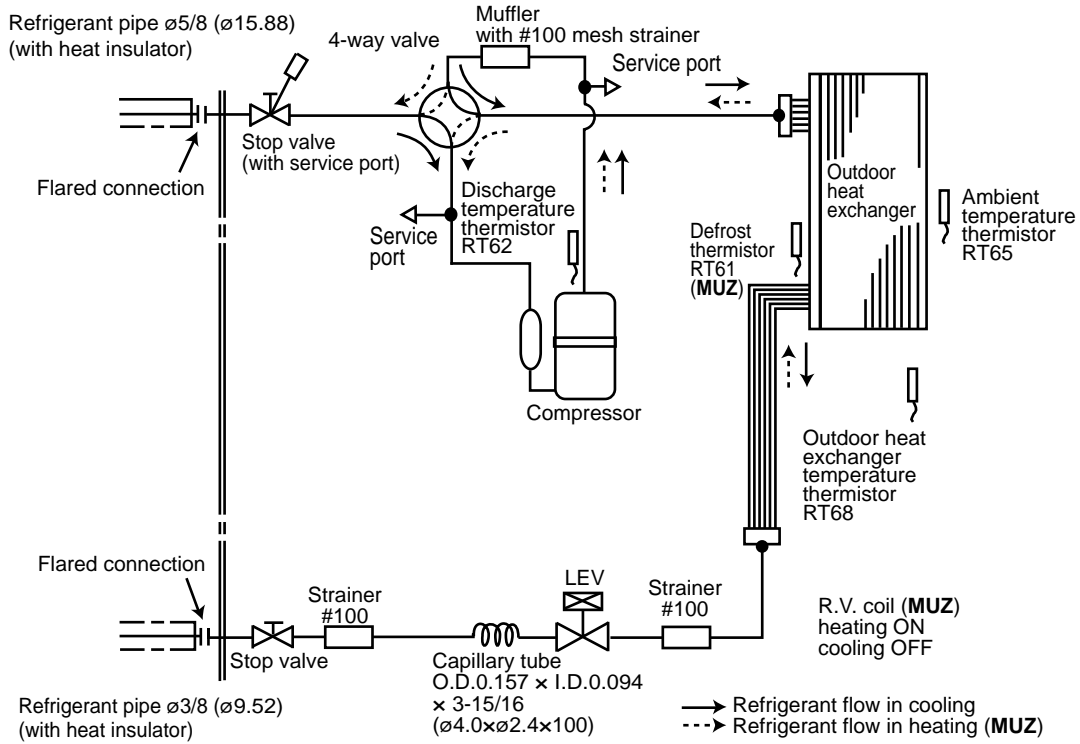


MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

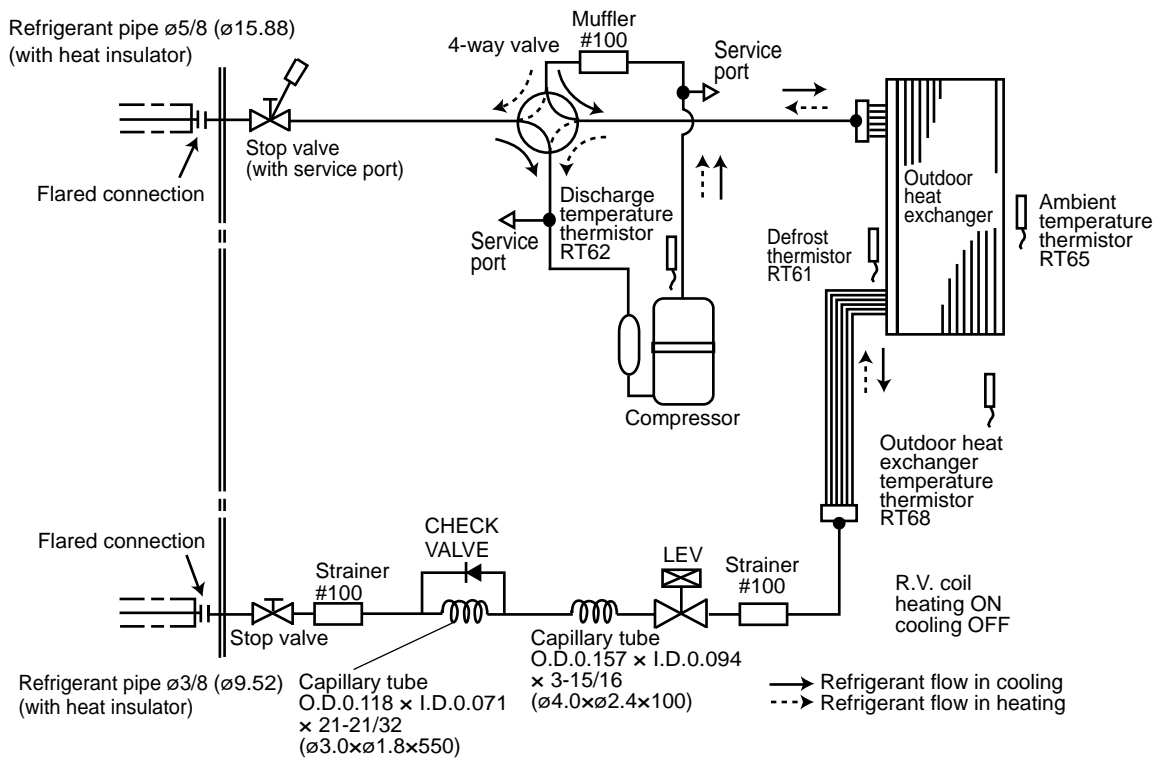


MUZ-GL24NA MUY-GL24NA

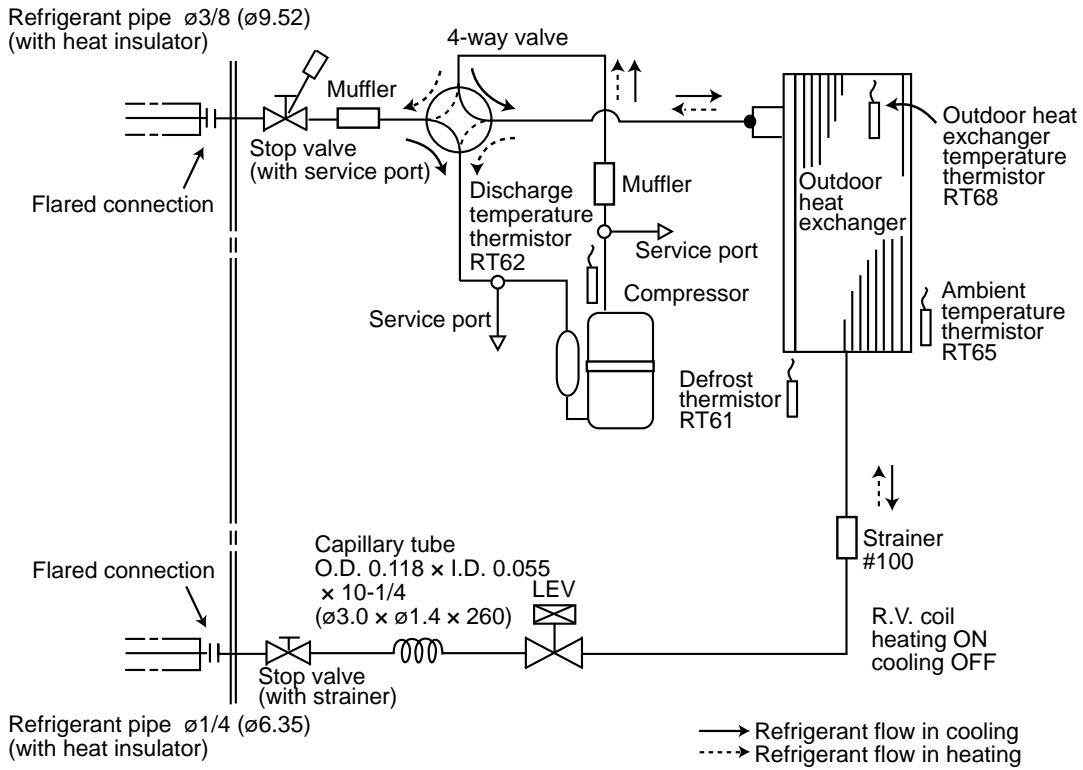
Unit: inch (mm)



MUZ-GL24NAH

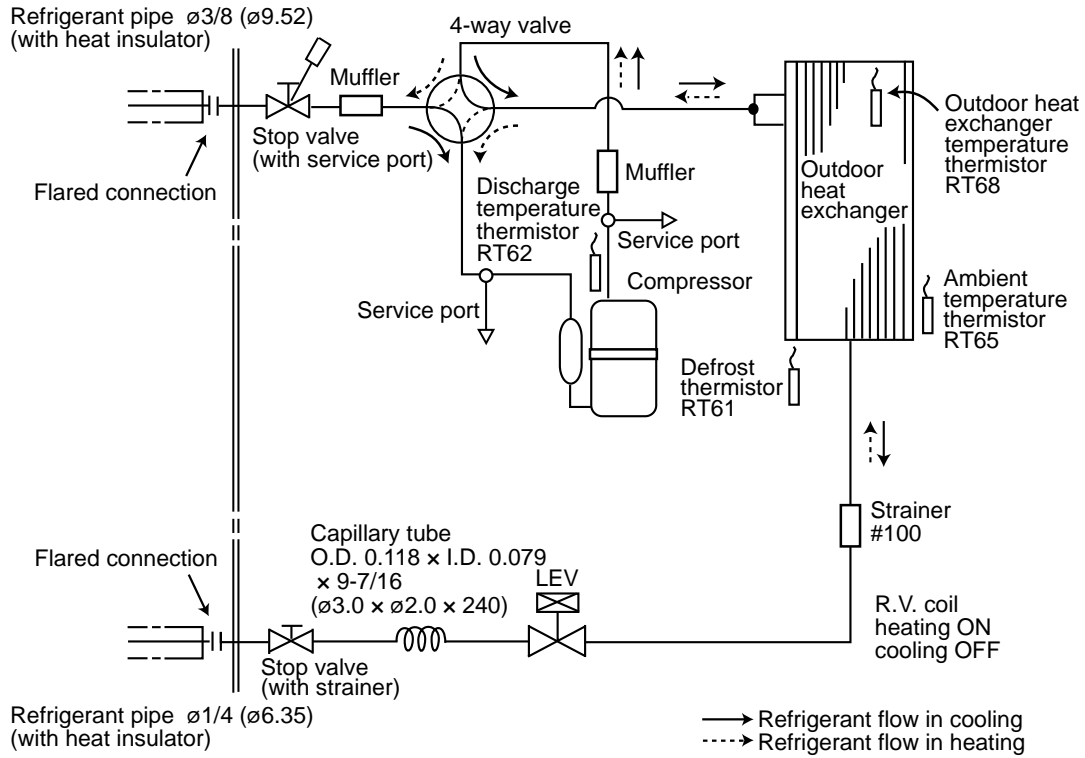


MUZ-HM09NA2 - [U1] MUZ-HM12NA2 - [U1]

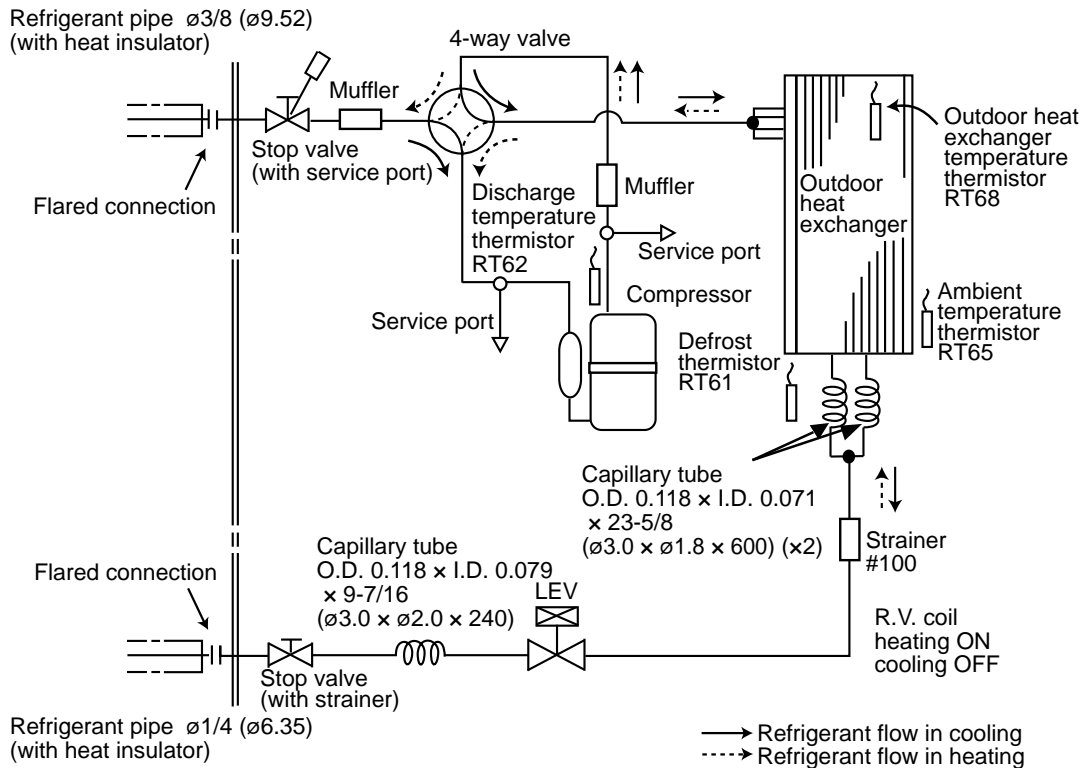


MUZ-HM09NA2 - 

Unit: Inch (mm)

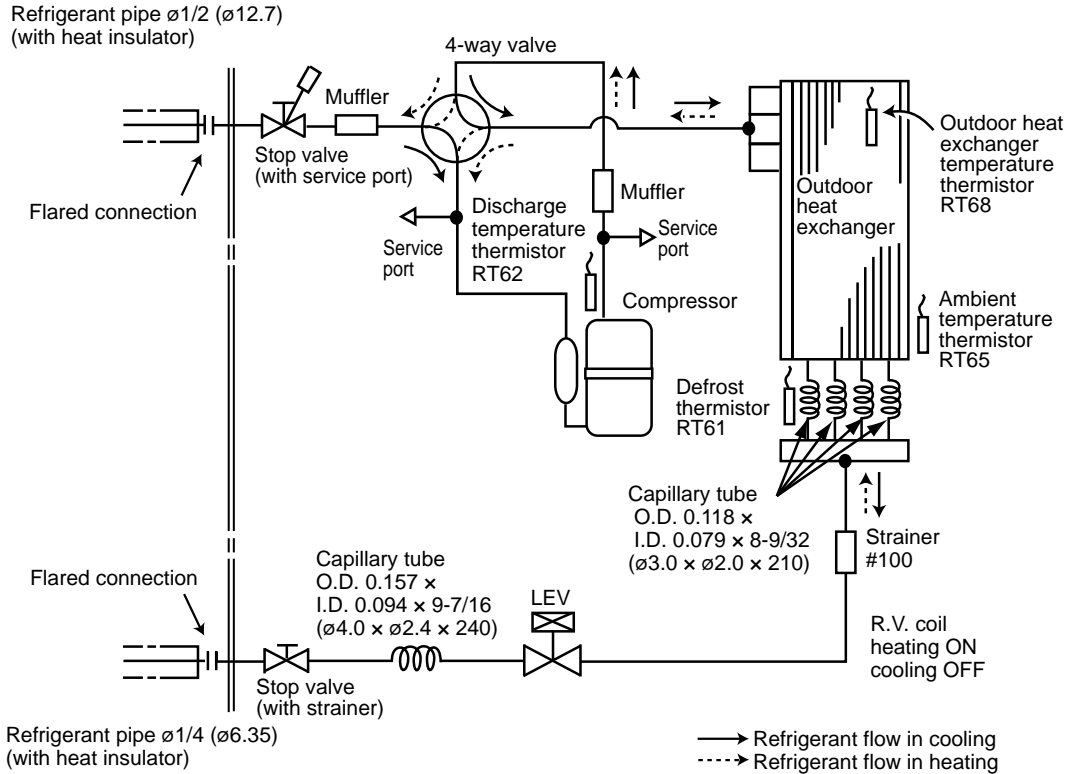


MUZ-HM12NA2 - 

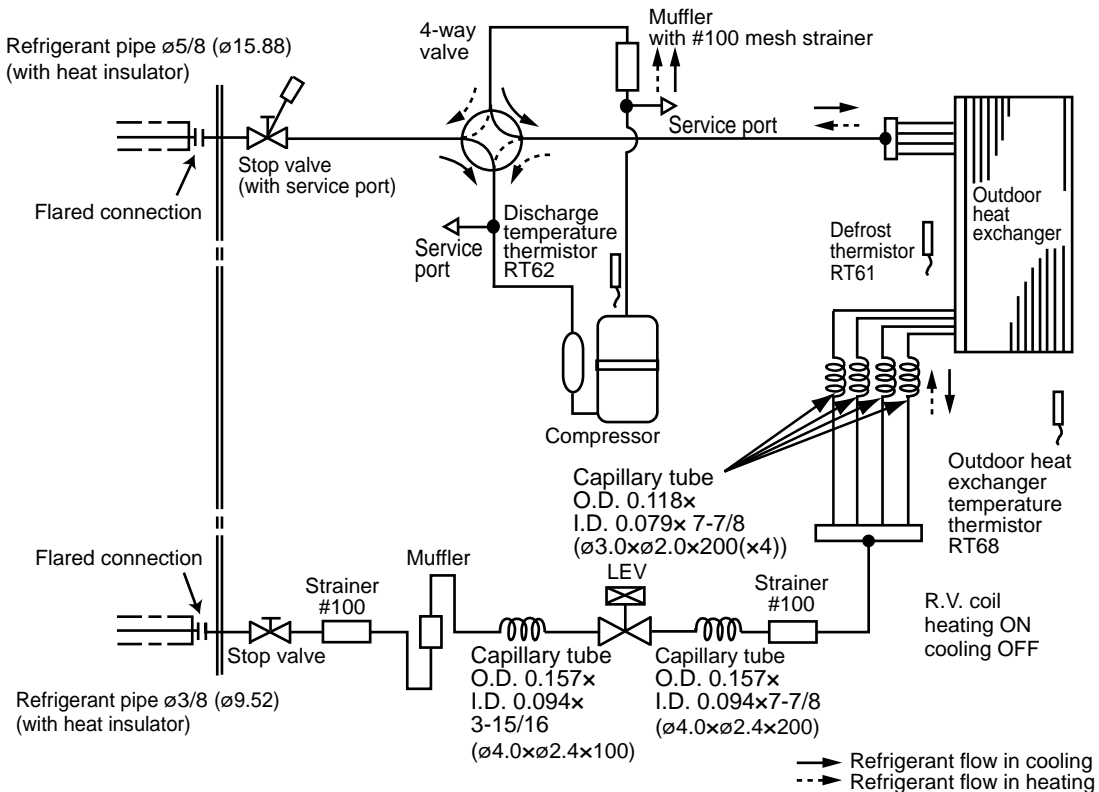


MUZ-HM15NA2 MUZ-HM18NA2

Unit: Inch (mm)

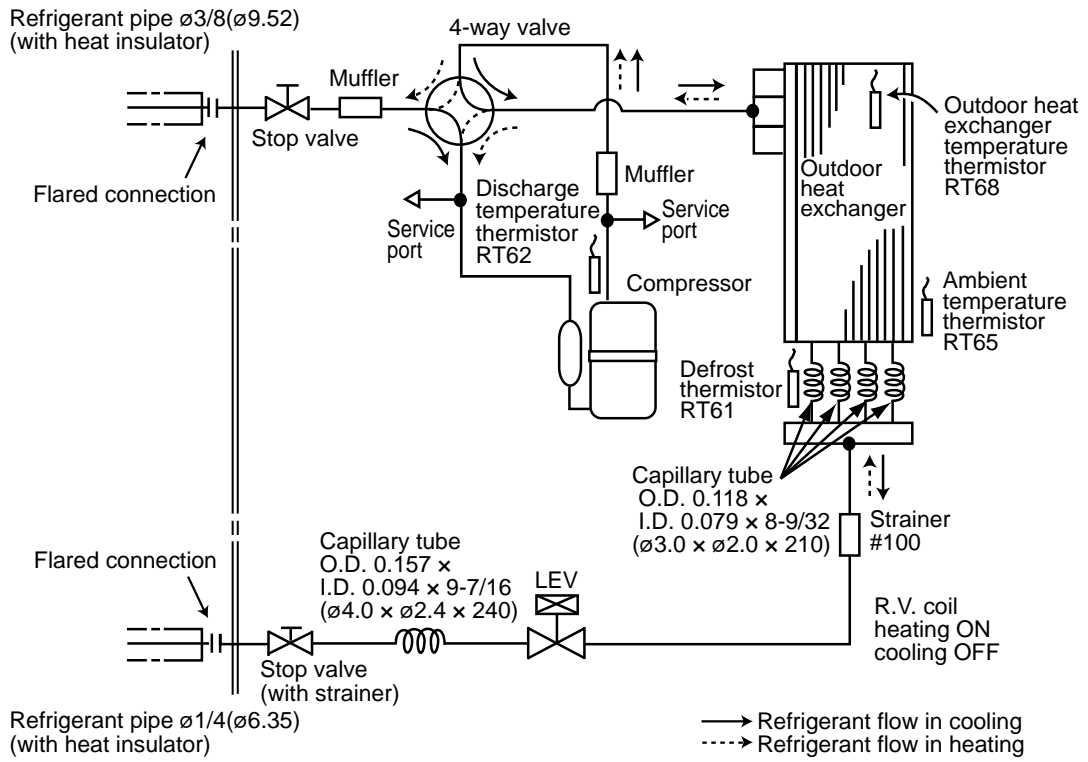


MUZ-HM24NA2

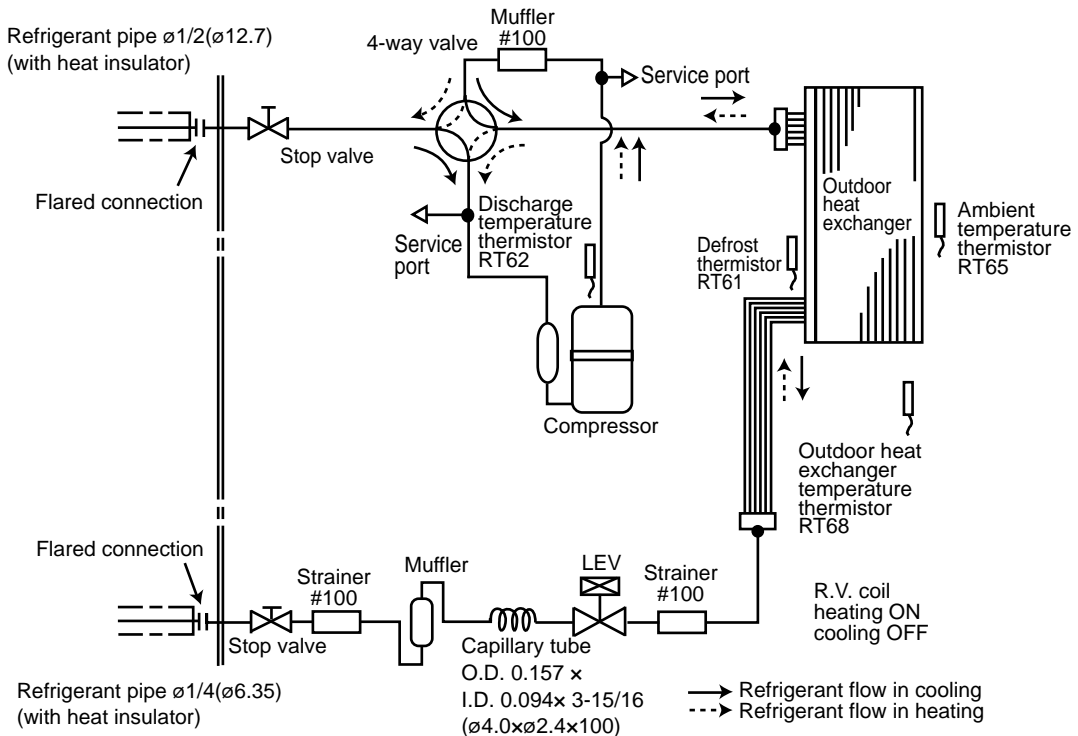


**MUZ-FH06NA MUZ-FH06NAH MUZ-FH09NA MUZ-FH09NAH
MUZ-FH12NA MUZ-FH12NAH**

Unit: inch (mm)

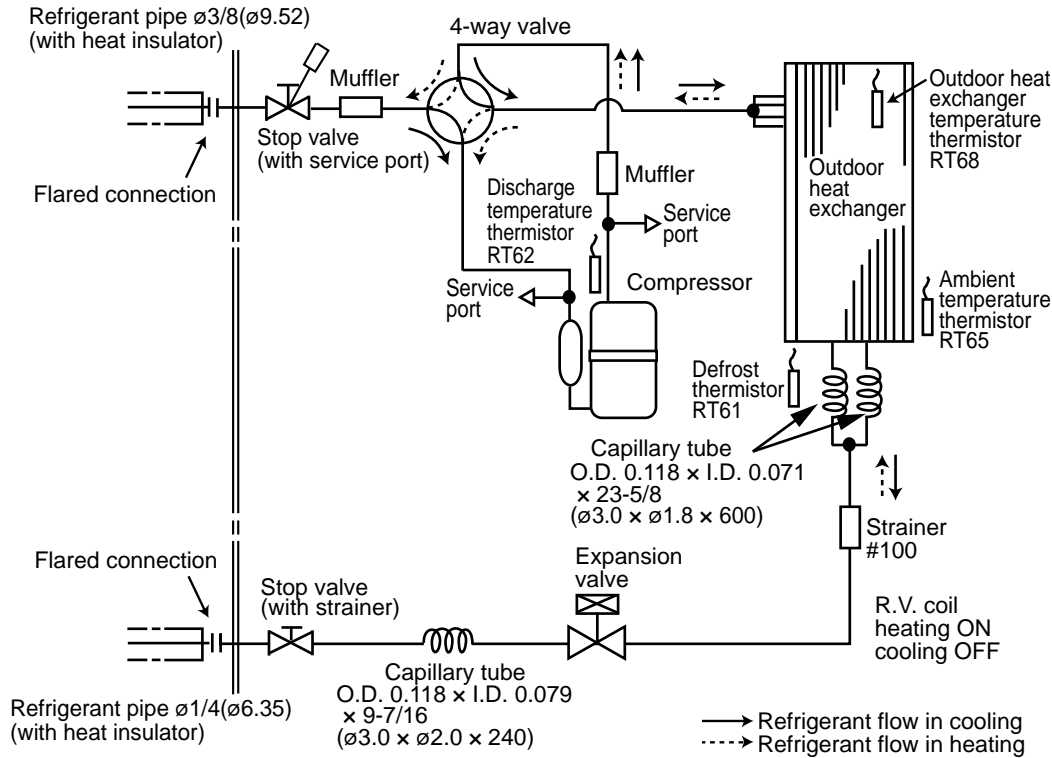


MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2

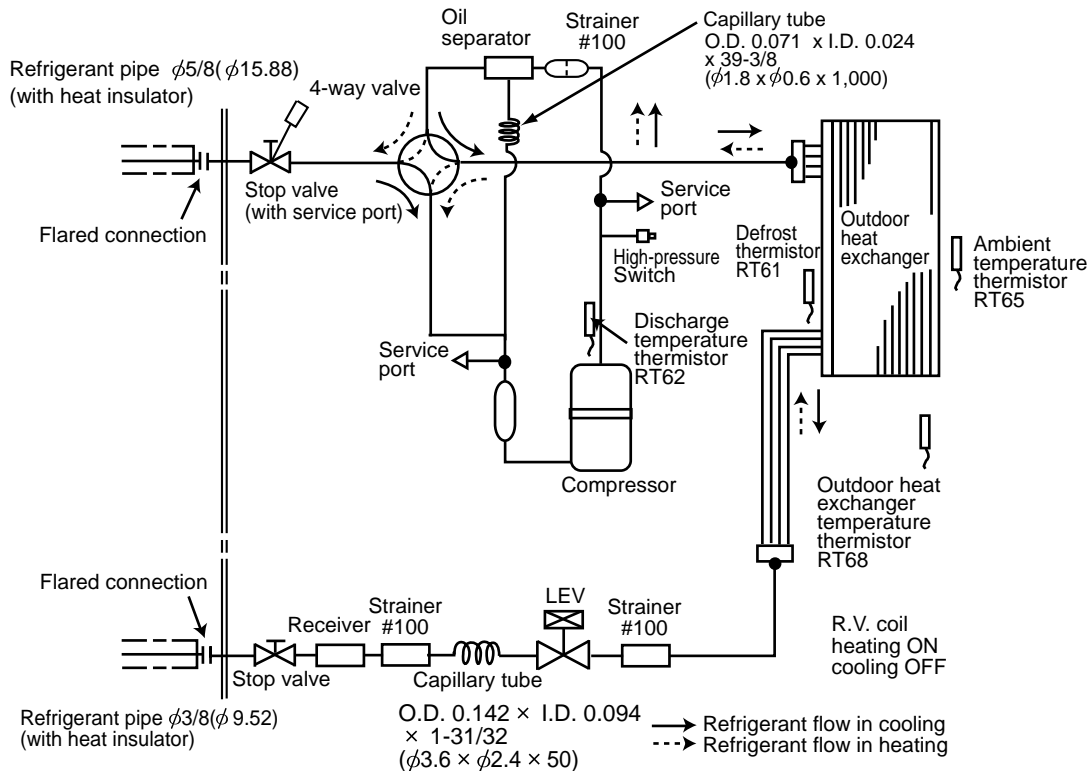


MUZ-FE09NAH MUZ-FE12NAH

Unit: inch (mm)

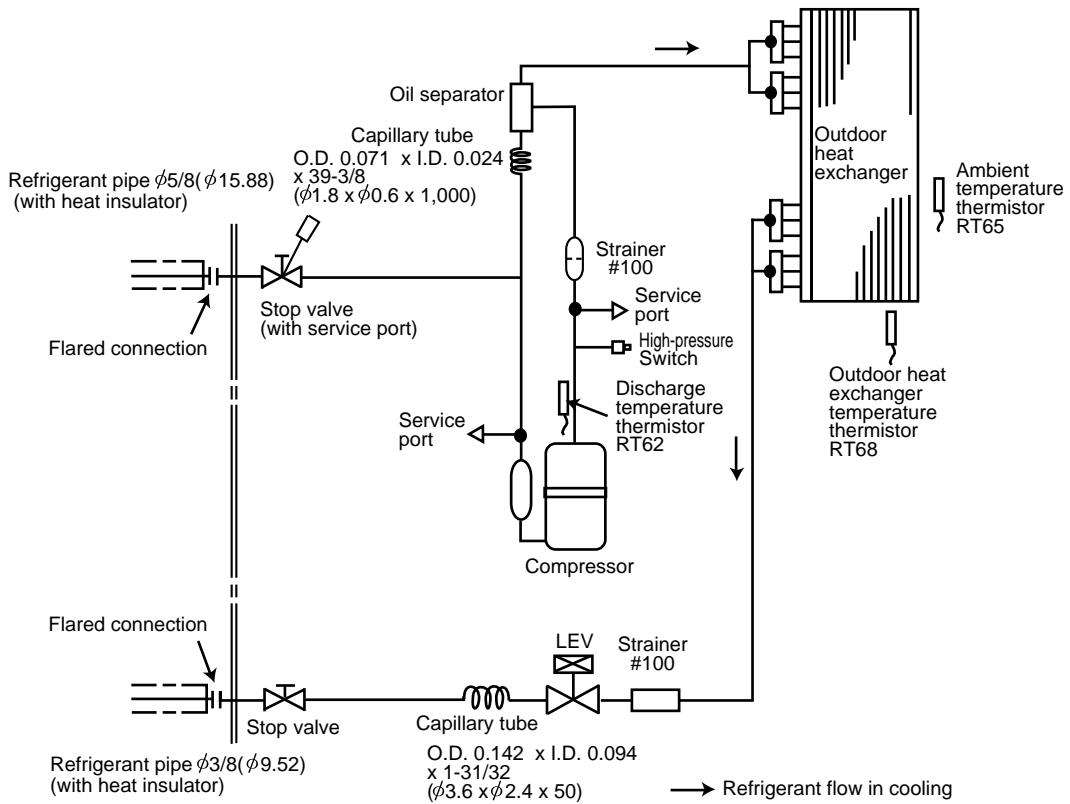


MUZ-D30NA MUZ-D36NA

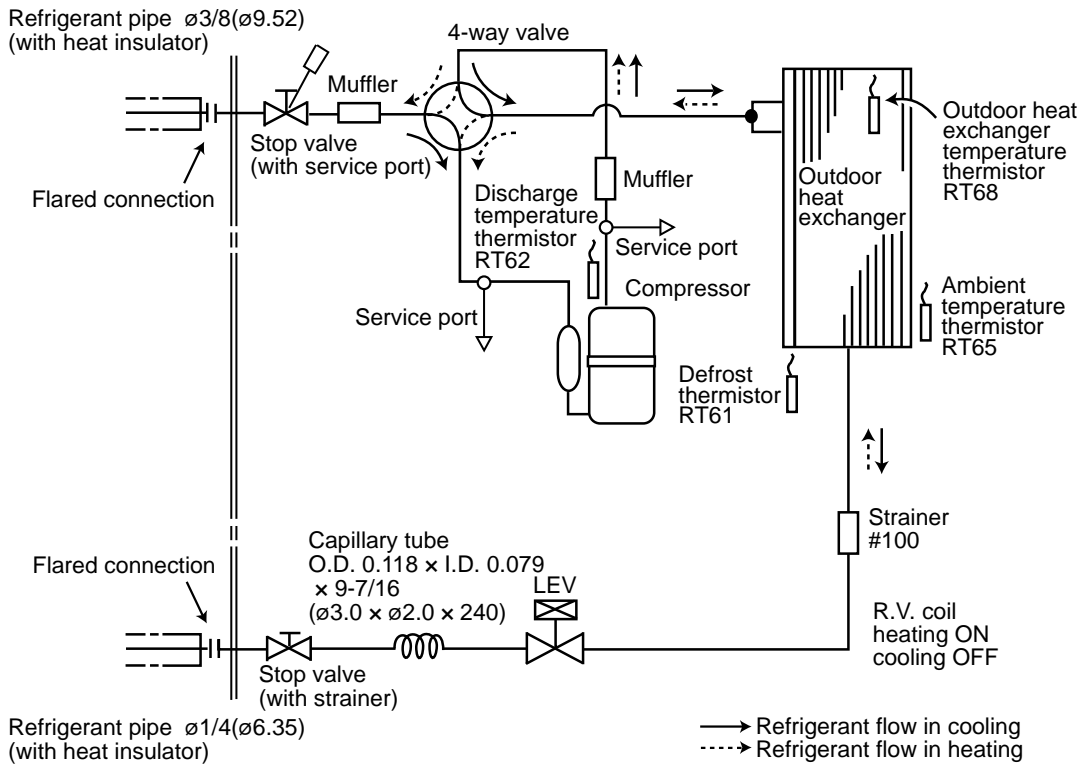


MUY-D30NA MUY-D36NA

Unit: inch (mm)

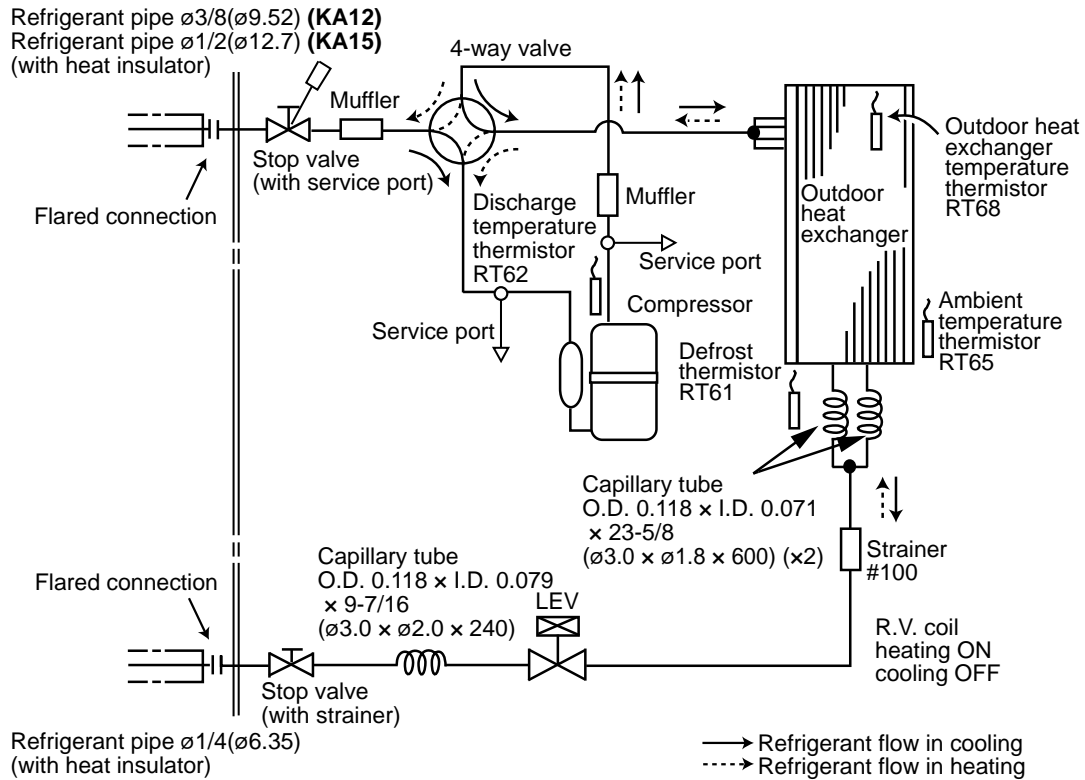


SUZ-KA09NA

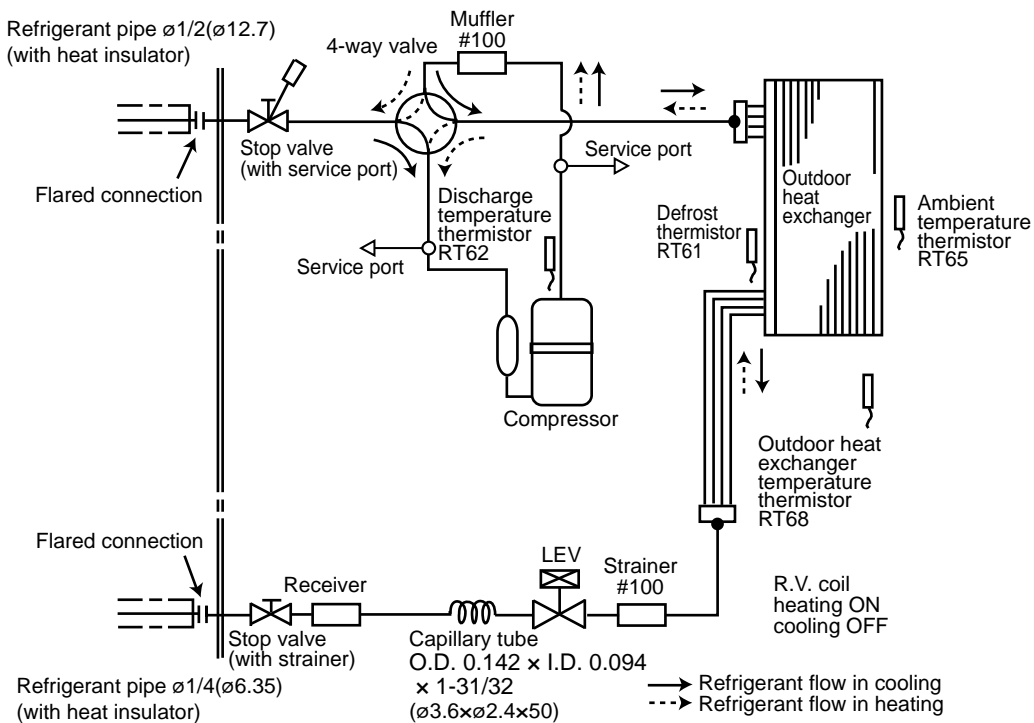


SUZ-KA12NA SUZ-KA15NA

Unit: inch (mm)

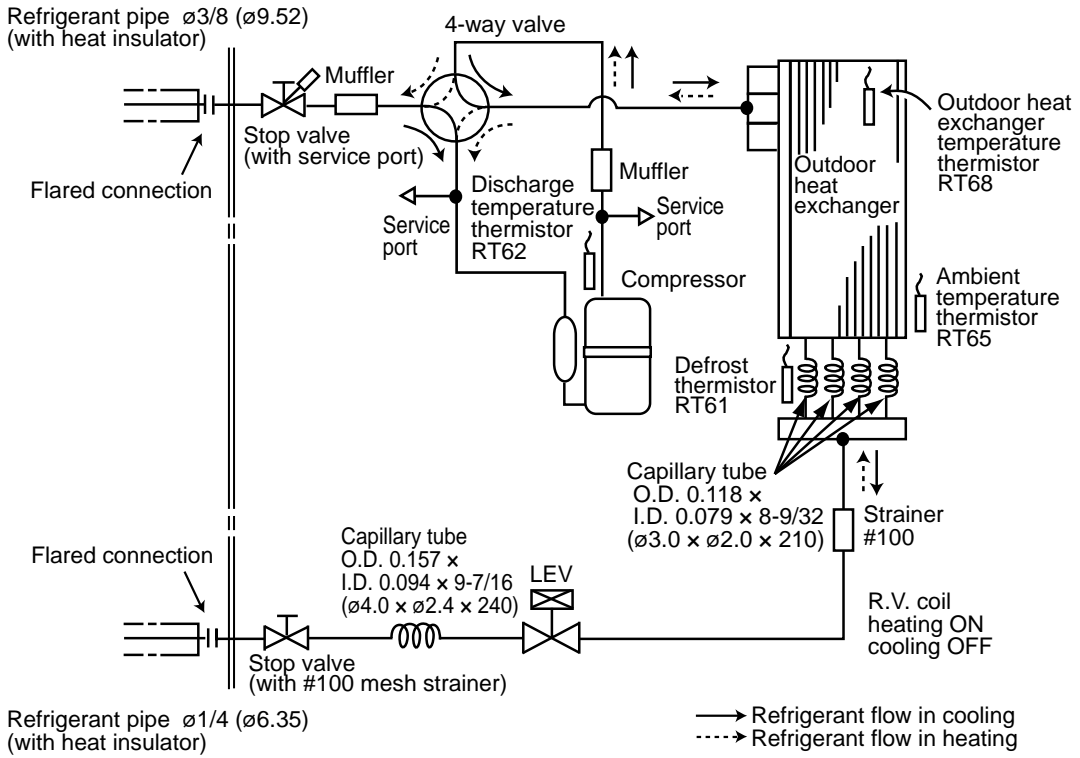


SUZ-KA18NA

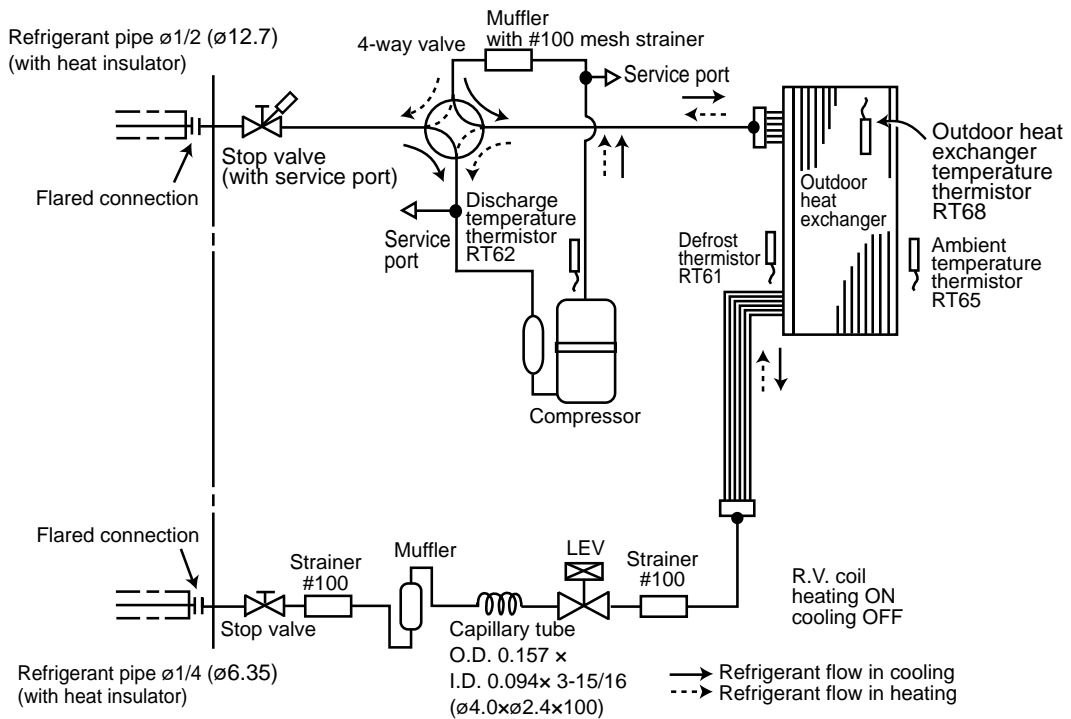


MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ

Unit: inch (mm)



MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ



7 | CORRECTION FACTORS

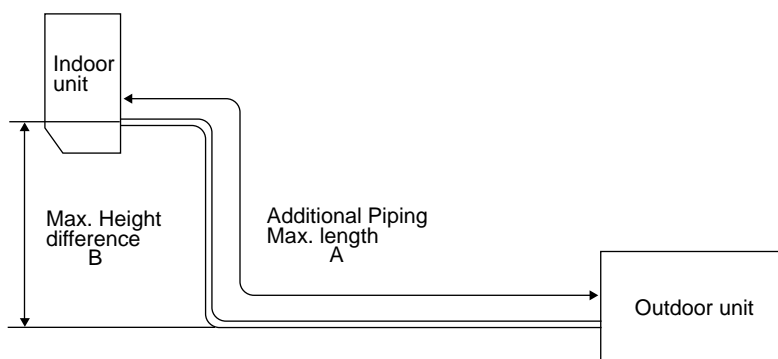
7-1. NON INVERTER TYPE

7-1.1 Cooling capacity corrections

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MU-A09WA MU-A12WA	1.0	0.988	0.967	-

7-1.2 Max. refrigerant piping length & max. Height difference

Model	Refrigerant piping: ft		Piping size: in.			
	Additional piping Max. length A	Additional piping Max. length B	Gas		Liquid	
			Outside diameter	Minimum Wall thickness	Outside diameter	Minimum Wall thickness
MU-A09WA MU-A12WA	65	35	$\phi 3/8$ $\phi 1/2$	0.0315	$\phi 1/4$	0.0315



7-1.3 Additional refrigerant charge (R410A: oz.)

Model	Outdoor unit precharged	Refrigerant piping length (one way)								
		25ft	30ft	35ft	40ft	45ft	50ft	55ft	60ft	65ft
MU-A09WA	2lb. 5oz.	0	1.08	2.16	3.24	4.32	5.40	6.48	7.56	8.64
MU-A12WA	3lb. 1oz.									

NOTE: Calculation: X oz. = 1.08/5 oz./ft × (Refrigerant piping length (ft) - 25)

7-2. INVERTER TYPE

7-2.1 Cooling capacity corrections

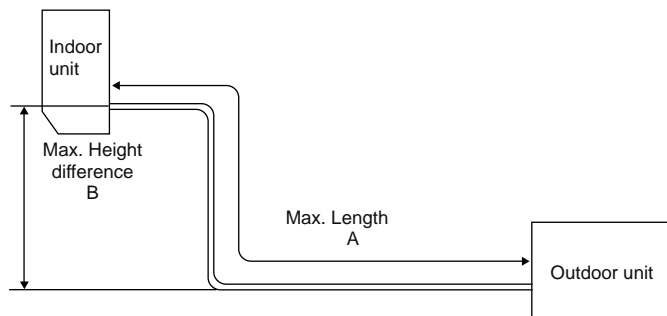
	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-GL09/12/15NA MUZ-GL09/12/15NAH MUY-GL09/12/15NA	1.0	0.988	0.967	-
MUZ-HM09/12/15NA2 SUZ-KA09/12/15NA				
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA	1.0	0.985	0.963	0.933
MUZ-HM18NA2 SUZ-KA18NA				
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA	1.0	0.983	0.956	0.921
MUZ-HM24NA2				
MUZ-D30NA MUY-D30NA	1.0	0.976	0.937	0.887
MUZ-D36NA MUY-D36NA	1.0	0.974	0.932	0.878

7-2.2 Heating capacity corrections

Refrigerant piping length (one way: ft.)				
	25 (std.)	40	65	100
MUZ-GL09/12/15NA MUZ-GL09/12/15NAH MUY-GL09/12/15NA	1.0	0.997	0.993	-
MUZ-HM09/12/15NA2				
SUZ-KA09/12/15NA				
MUZ-GL18/24NA MUZ-GL18/24NAH MUY-GL18/24NA	1.0	0.997	0.993	0.987
MUZ-HM18/24NA2				
SUZ-KA18NA				
MUZ-D30/36NA MUY-D30/36NA				

7-2.3 Max. refrigerant piping length & max. Height difference

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-GL09/12NA MUZ-GL09/12NAH MUY-GL09/12NA	65	40	3/8	1/4
MUZ-HM09/12NA2				
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA	65	40	1/2	1/4
MUZ-HM15/18NA2				
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA	100	50	1/2	1/4
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA	100	50	5/8	3/8
MUZ-HM24NA2				
MUZ-D30NA MUZ-D36NA MUY-D30NA MUY-D36NA	100	50	5/8	3/8
SUZ-KA09NA SUZ-KA12NA	65	40	3/8	1/4
SUZ-KA15NA				
SUZ-KA18NA			1/2	



7-2.4 Additional refrigerant charge (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-HM09NA2 MUZ-HM12NA2 - U1	1 lb. 12 oz.						
MUZ-GL09NA - U1 MUZ-GL09NAH - U1	2 lb. 5 oz.						
MUZ-GL09NA - U8 MUZ-GL09NAH - U8 MUY-GL09NA MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA MUZ-HM12NA2 - U8 MUZ-GL15NA MUZ-GL15NAH MUZ-HM15NA2 MUY-GL15NA MUZ-HM18NA2	2 lb. 9 oz.	0	1.08	3.24	5.40	7.56	8.64
	2 lb. 10 oz.						

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
SUZ-KA09NA	1 lb. 16 oz.						
SUZ-KA12NA SUZ-KA15NA	2 lb. 9 oz.	0	1.62	4.86	8.10	11.34	12.96

Calculation: X oz. = 1.62/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA	3 lb. 9 oz.									
MUZ-HM24NA2 MUY-D30NA MUY-D36NA	4 lb.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20
SUZ-KA18NA	3 lb. 16 oz.									

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 33 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.							
		33	40	50	60	70	80	90	100
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA	4 lb. 3 oz.	0	4.14	10.06	15.98	21.90	27.82	33.74	39.66

Calculation: X oz. = 2.96/5 oz. / ft. × (Refrigerant piping length (ft.) - 33)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-D30NA MUZ-D36NA	4 lb. 10 oz.	0	2.96	8.88	14.80	20.72	26.64	32.56	38.48	44.40

Calculation: X oz. = 2.96/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

7-3. HYPER HEATING INVERTER

7-3.1 Cooling capacity corrections

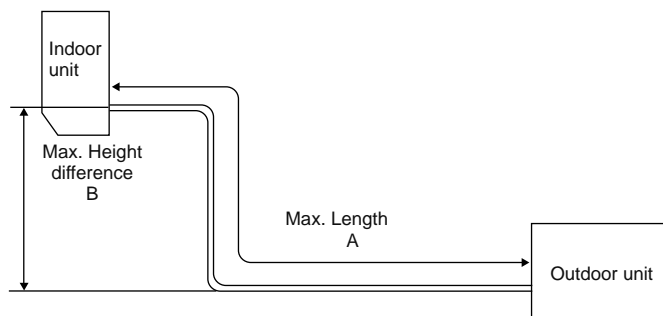
	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-FH06/09/12NA MUZ-FH06/09/12NAH	1.0	0.988	0.967	-
MUFZ-KJ09/12NAHZ				
MUZ-FE09/12NAH				
MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2	1.0	0.985	0.963	0.933
MUFZ-KJ15/18NAHZ				

7-3.2 Heating capacity corrections

	Refrigerant piping length (one way: ft.)			
	25 (std.)	40	65	100
MUZ-FH06/09/12NA MUZ-FH06/09/12NAH	1.0	0.977	0.993	-
MUFZ-KJ09/12NAHZ				
MUZ-FE09/12NAH				
MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2	1.0	0.977	0.993	0.987
MUFZ-KJ15/18NAHZ				

7-3.3 Max. refrigerant piping length and max. height difference

Model	Refrigerant piping: ft.		Piping size O.D: in.	
	Max. Length A	Max. Height difference B	Gas	Liquid
MUZ-FH06/09/12NA MUZ-FH06/09/12NAH	65	40	3/8	1/4
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ				
MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2				
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	100	50	1/2	1/4



7-3.4 Additional refrigerant charge (R410A: oz.)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-FH06NA MUZ-FH06NAH MUZ-FH09NA MUZ-FH09NAH	2 lb. 9 oz.	0	1.08	3.24	5.40	7.56	8.64

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUZ-FH12NA MUZ-FH12NAH MUZ-FE09NAH MUZ-FE12NAH	2 lb. 9 oz.	0	1.62	4.86	8.10	11.34	12.96

Calculation: X oz. = 1.62/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2	3 lb. 7 oz.	0	1.08	3.24	5.40	7.56	9.72	11.88	14.04	16.20

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.					
		25	30	40	50	60	65
MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ	2 lb. 10 oz.	0	1.08	3.24	5.40	7.56	8.64

Calculation: X oz. = 1.08/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

NOTE: Refrigerant piping exceeding 25 ft. requires additional refrigerant charge according to the calculation.

Model	Outdoor unit precharged	Refrigerant piping length (one way): ft.								
		25	30	40	50	60	70	80	90	100
MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ	3 lb. 5 oz.	0	1.62	4.86	8.10	11.34	14.58	17.82	21.06	24.30

Calculation: X oz. = 1.62/5 oz./ft. × (Refrigerant piping length (ft.) - 25)

8 | DATA

8-1. PERFORMANCE DATA

MU-A09WA MU-A12WA

1) COOLING CAPACITY

Model	Indoor air IWB (°F)	Outdoor intake air DB temperature (°F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MU-A09WA	71	11.6	6.4	0.77	10.9	5.9	0.85	10.2	5.6	0.91	9.5	5.2	0.96	8.7	4.8	1.00
	67	11.0	7.5	0.73	10.3	7.0	0.80	9.5	6.5	0.87	8.8	6.0	0.92	8.1	5.5	0.97
	63	10.4	8.4	0.70	9.6	7.8	0.77	8.9	7.3	0.83	8.1	6.6	0.89	7.4	6.0	0.92
MU-A12WA	71	14.7	8.3	0.95	13.7	7.8	1.04	12.9	7.3	1.12	12.0	6.8	1.18	11.0	6.3	1.23
	67	13.9	9.7	0.90	13.0	9.1	0.99	12.0	8.4	1.07	11.2	7.8	1.13	10.3	7.2	1.19
	63	13.1	10.9	0.86	12.1	10.1	0.95	11.3	9.4	1.02	10.3	8.6	1.09	9.4	7.8	1.13

- Notes 1. IWB: Intake air wet-bulb temperature.
 TC: Total Capacity (x10³ Btu/h)
 SHC: Sensible Heat Capacity (x10³ Btu/h)
 TPC: Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor intake air DB temperature.

MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

1) COOLING CAPACITY

Model	Indoor air	Outdoor intake air DB temperature (°F)														
	IWB (°F)	75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-GL09NA	71	11.0	7.6	0.52	10.3	7.1	0.57	9.7	6.6	0.61	9.0	6.2	0.65	8.3	5.7	0.67
MUZ-GL09NAH	67	10.4	8.6	0.49	9.7	8.0	0.54	9.0	7.4	0.59	8.4	6.9	0.62	7.7	6.3	0.65
MUY-GL09NA	63	9.8	9.4	0.47	9.1	8.7	0.52	8.5	8.1	0.56	7.7	7.3	0.60	7.0	6.7	0.62
MUZ-GL12NA	71	14.7	9.4	0.82	13.7	8.7	0.90	12.9	8.2	0.97	12.0	7.6	1.02	11.0	7.0	1.06
MUZ-GL12NAH	67	13.9	10.7	0.77	13.0	10.0	0.85	12.0	9.2	0.92	11.2	8.6	0.98	10.3	7.9	1.02
MUY-GL12NA	63	13.1	11.8	0.74	12.1	10.9	0.81	11.3	10.2	0.88	10.3	9.3	0.94	9.4	8.5	0.98
MUZ-GL15NA	71	17.2	9.7	0.96	16.0	9.1	1.05	15.1	8.5	1.13	14.0	7.9	1.19	12.9	7.3	1.24
MUZ-GL15NAH	67	16.2	11.4	0.91	15.1	10.6	1.00	14.0	9.8	1.08	13.0	9.1	1.14	12.0	8.4	1.20
MUY-GL15NA	63	15.3	12.7	0.86	14.1	11.8	0.96	13.2	11.0	1.03	12.0	10.0	1.10	10.9	9.1	1.14
MUZ-GL18NA	71	22.1	16.2	1.19	20.6	15.2	1.31	19.4	14.3	1.41	18.0	13.3	1.48	16.6	12.2	1.54
MUZ-GL18NAH	67	20.9	18.2	1.13	19.4	16.9	1.24	18.0	15.7	1.34	16.7	14.6	1.42	15.4	13.4	1.49
MUY-GL18NA	63	19.6	19.7	1.07	18.2	18.2	1.19	16.9	17.0	1.28	15.4	15.4	1.37	14.0	14.1	1.42
MUZ-GL24NA	71	27.6	17.0	1.60	25.8	15.9	1.76	24.2	14.9	1.89	22.5	13.9	1.99	20.7	12.8	2.07
MUZ-GL24NAH	67	26.1	19.6	1.51	24.3	18.2	1.67	22.5	16.9	1.80	20.9	15.7	1.91	19.2	14.4	2.00
MUY-GL24NA	63	24.5	21.7	1.44	22.7	20.1	1.59	21.2	18.7	1.72	19.2	17.0	1.84	17.6	15.5	1.91

NOTE: 1. IWB : Intake air wet-bulb temperature TC : Total Capacity (x10³Btu/h)
 SHC : Sensible Heat Capacity (x10³Btu/h) TPC : Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) HEATING CAPACITY (MUZ)

Model	Indoor air	Outdoor intake air WB temperature (°F)													
	IDB (°F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-GL09NA	75	4.8	0.42	6.3	0.54	7.9	0.63	9.4	0.70	10.6	0.74	11.0	0.75	12.4	0.78
	70	5.2	0.41	6.7	0.52	8.2	0.62	9.6	0.68	10.9	0.72	11.2	0.73	12.7	0.76
	65	5.5	0.39	6.9	0.50	8.6	0.59	10.0	0.67	11.2	0.70	11.6	0.71	13.0	0.75
MUZ-GL12NA	75	6.3	0.65	8.4	0.82	10.4	0.96	12.5	1.07	14.0	1.13	14.5	1.14	16.4	1.19
	70	6.8	0.62	8.9	0.79	10.8	0.94	12.7	1.05	14.4	1.10	14.8	1.12	16.8	1.17
	65	7.2	0.59	9.1	0.76	11.3	0.91	13.2	1.02	14.8	1.07	15.3	1.09	17.1	1.14
MUZ-GL09NAH	75	4.8	0.55	6.3	0.67	7.9	0.76	9.4	0.70	10.6	0.74	11.0	0.75	12.4	0.78
	70	5.2	0.54	6.7	0.65	8.2	0.75	9.6	0.68	10.9	0.72	11.2	0.73	12.7	0.76
	65	5.5	0.52	6.9	0.63	8.6	0.72	10.0	0.67	11.2	0.70	11.6	0.71	13.0	0.75
MUZ-GL12NAH	75	6.3	0.78	8.4	0.95	10.4	1.09	12.5	1.07	14.0	1.13	14.5	1.14	16.4	1.19
	70	6.8	0.75	8.9	0.92	10.8	1.07	12.7	1.05	14.4	1.10	14.8	1.12	16.8	1.17
	65	7.2	0.72	9.1	0.89	11.3	1.04	13.2	1.02	14.8	1.07	15.3	1.09	17.1	1.14
MUZ-GL15NA	75	7.9	0.94	10.4	1.19	13.1	1.40	15.6	1.56	17.6	1.64	18.1	1.66	20.5	1.73
	70	8.6	0.90	11.1	1.15	13.5	1.37	15.9	1.52	18.0	1.60	18.5	1.63	21.0	1.70
	65	9.0	0.86	11.3	1.10	14.1	1.32	16.5	1.48	18.5	1.56	19.1	1.58	21.4	1.66
MUZ-GL15NAH	75	7.9	1.07	10.4	1.32	13.1	1.53	15.6	1.56	17.6	1.64	18.1	1.66	20.5	1.73
	70	8.6	1.03	11.1	1.28	13.5	1.50	15.9	1.52	18.0	1.60	18.5	1.63	21.0	1.70
	65	9.0	0.99	11.3	1.23	14.1	1.45	16.5	1.48	18.5	1.56	19.1	1.58	21.4	1.66
MUZ-GL18NA	75	9.5	0.99	12.5	1.25	15.7	1.47	18.7	1.64	21.1	1.72	21.7	1.75	24.6	1.81
	70	10.3	0.95	13.3	1.21	16.2	1.44	19.1	1.60	21.6	1.68	22.2	1.71	25.2	1.78
	65	10.8	0.91	13.6	1.16	17.0	1.39	19.8	1.55	22.2	1.64	22.9	1.66	25.7	1.75
MUZ-GL18NAH	75	9.5	1.12	12.5	1.38	15.7	1.60	18.7	1.64	21.1	1.72	21.7	1.75	24.6	1.81
	70	10.3	1.08	13.3	1.34	16.2	1.57	19.1	1.60	21.6	1.68	22.2	1.71	25.2	1.78
	65	10.8	1.04	13.6	1.29	17.0	1.52	19.8	1.55	22.2	1.64	22.9	1.66	25.7	1.75
MUZ-GL24NA	75	12.1	1.38	16.0	1.74	20.0	2.05	23.9	2.28	26.9	2.40	27.7	2.43	31.5	2.53
	70	13.1	1.32	17.0	1.68	20.7	2.00	24.4	2.22	27.6	2.34	28.4	2.39	32.2	2.48
	65	13.8	1.26	17.4	1.61	21.7	1.93	25.3	2.16	28.4	2.28	29.3	2.32	32.8	2.43
MUZ-GL24NAH	75	12.1	1.38	16.0	1.74	20.0	2.05	23.9	2.28	26.9	2.40	27.7	2.43	31.5	2.53
	70	13.1	1.32	17.0	1.68	20.7	2.00	24.4	2.22	27.6	2.34	28.4	2.39	32.2	2.48
	65	13.8	1.26	17.4	1.61	21.7	1.93	25.3	2.16	28.4	2.28	29.3	2.32	32.8	2.43

NOTE: 1. IDB : Intake air dry-bulb temperature

TC : Total Capacity (x10³ Btu/h)

TPC : Total Power Consumption (kW)

2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

MUZ-HM09NA2 MUZ-HM12NA2 MUZ-HM15NA2 MUZ-HM18NA2 MUZ-HM24NA2

1) COOLING CAPACITY

Model	Indoor air	Outdoor intake air DB temperature (°F)														
	IWB (°F)	75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-HM09NA2	71	11.0	7.6	0.67	10.3	7.1	0.73	9.7	6.6	0.79	9.0	6.2	0.83	8.3	5.7	0.86
	67	10.4	8.6	0.63	9.7	8.0	0.69	9.0	7.4	0.75	8.4	6.9	0.80	7.7	6.3	0.83
	63	9.8	9.4	0.60	9.1	8.7	0.66	8.5	8.1	0.72	7.7	7.3	0.77	7.0	6.7	0.80
MUZ-HM12NA2	71	14.7	9.4	1.08	13.7	8.7	1.18	12.9	8.2	1.27	12.0	7.6	1.34	11.0	7.0	1.39
	67	13.9	10.7	1.02	13.0	10.0	1.12	12.0	9.2	1.21	11.2	8.6	1.28	10.3	7.9	1.34
	63	13.1	11.8	0.97	12.1	10.9	1.07	11.3	10.2	1.16	10.3	9.3	1.23	9.4	8.5	1.28
MUZ-HM15NA2	71	17.2	11.1	1.04	16.0	10.4	1.14	15.1	9.7	1.23	14.0	9.1	1.29	12.9	8.3	1.35
	67	16.2	12.7	0.98	15.1	11.8	1.08	14.0	10.9	1.17	13.0	10.2	1.24	12.0	9.3	1.30
	63	15.3	13.9	0.94	14.1	12.9	1.04	13.2	12.0	1.12	12.0	10.9	1.19	10.9	10.0	1.24
MUZ-HM18NA2	71	21.1	15.3	1.46	19.7	14.3	1.60	18.5	13.4	1.72	17.2	12.5	1.81	15.8	11.5	1.89
	67	20.0	17.2	1.38	18.6	16.0	1.52	17.2	14.8	1.64	16.0	13.8	1.74	14.7	12.6	1.82
	63	18.7	18.6	1.31	17.4	17.3	1.45	16.2	16.1	1.57	14.7	14.6	1.67	13.4	13.3	1.74
MUZ-HM24NA2	71	27.6	20.9	2.34	25.8	19.5	2.56	24.2	18.3	2.76	22.5	17.0	2.91	20.7	15.7	3.02
	67	26.1	23.2	2.21	24.3	21.6	2.43	22.5	20.0	2.63	20.9	18.6	2.79	19.2	17.1	2.92
	63	24.5	25.1	2.10	22.7	23.3	2.33	21.2	21.6	2.51	19.2	19.7	2.68	17.6	18.0	2.79

NOTE: 1. IWB : Intake air wet-bulb temperature TC : Total Capacity (x10³Btu/h)
 SHC : Sensible Heat Capacity (x10³Btu/h) TPC : Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) HEATING CAPACITY

Model	Indoor air IDB (°F)	Outdoor intake air WB temperature (°F)													
		5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-HM09NA2	75	4.8	0.53	6.3	0.67	7.9	0.79	9.4	0.88	10.6	0.92	11.0	0.94	12.4	0.97
	70	5.2	0.51	6.7	0.65	8.2	0.77	9.6	0.86	10.9	0.90	11.2	0.92	12.7	0.95
	65	5.5	0.49	6.9	0.62	8.6	0.74	10.0	0.83	11.2	0.88	11.6	0.89	13.0	0.94
MUZ-HM12NA2	75	5.4	0.58	7.1	0.74	8.8	0.87	10.6	0.97	11.9	1.01	12.3	1.03	13.9	1.07
	70	5.8	0.56	7.5	0.71	9.2	0.85	10.8	0.94	12.2	0.99	12.6	1.01	14.2	1.05
	65	6.1	0.53	7.7	0.68	9.6	0.82	11.2	0.92	12.6	0.97	12.9	0.98	14.5	1.03
MUZ-HM15NA2	75	7.9	0.94	10.4	1.19	13.1	1.40	15.6	1.56	17.6	1.64	18.1	1.66	20.5	1.73
	70	8.6	0.90	11.1	1.15	13.5	1.37	15.9	1.52	18.0	1.60	18.5	1.63	21.0	1.70
	65	9.0	0.86	11.3	1.10	14.1	1.32	16.5	1.48	18.5	1.56	19.1	1.58	21.4	1.66
MUZ-HM18NA2	75	7.9	0.94	10.4	1.18	13.1	1.39	15.6	1.55	17.6	1.63	18.1	1.65	20.5	1.72
	70	8.6	0.90	11.1	1.14	13.5	1.36	15.9	1.51	18.0	1.59	18.5	1.62	21.0	1.69
	65	9.0	0.86	11.3	1.10	14.1	1.31	16.5	1.47	18.5	1.55	19.1	1.57	21.4	1.65
MUZ-HM24NA2	75	11.4	1.48	15.1	1.86	18.9	2.19	22.5	2.44	25.4	2.56	26.1	2.60	29.6	2.70
	70	12.4	1.41	16.0	1.80	19.5	2.14	23.0	2.38	26.0	2.50	26.8	2.55	30.3	2.65
	65	13.0	1.35	16.4	1.73	20.4	2.06	23.8	2.31	26.8	2.44	27.6	2.48	30.9	2.60

NOTE: 1. IDB : Intake air dry-bulb temperature

TC : Total Capacity (x10³ Btu/h)

TPC : Total Power Consumption (kW)

2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch or press any button on the remote controller.

**MUZ-FH06NA MUZ-FH06NAH MUZ-FH09NA MUZ-FH09NAH MUZ-FH12NA MUZ-FH12NAH
 MUZ-FH15NA MUZ-FH15NAH MUZ-FH18NA2 MUZ-FH18NAH2**

1) COOLING CAPACITY

Model	Indoor air	Outdoor intake air DB temperature (°F)														
	IWB (°F)	75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-FH06NA MUZ-FH06NAH	71	7.4	6.1	0.28	6.9	5.7	0.31	6.5	5.3	0.33	6.0	5.0	0.35	5.5	4.6	0.36
	67	7.0	6.7	0.26	6.5	6.2	0.29	6.0	5.8	0.32	5.6	5.4	0.33	5.1	4.9	0.35
	63	6.5	7.2	0.25	6.1	6.6	0.28	5.6	6.2	0.30	5.1	5.6	0.32	4.7	5.1	0.33
MUZ-FH09NA MUZ-FH09NAH	71	11.0	8.7	0.50	10.3	8.1	0.55	9.7	7.6	0.59	9.0	7.1	0.62	8.3	6.5	0.64
	67	10.4	9.6	0.47	9.7	8.9	0.52	9.0	8.3	0.56	8.4	7.7	0.59	7.7	7.1	0.62
	63	9.8	10.3	0.45	9.1	9.6	0.50	8.5	8.9	0.53	7.7	8.1	0.57	7.0	7.4	0.59
MUZ-FH12NA MUZ-FH12NAH	71	14.7	10.2	0.77	13.7	9.6	0.85	12.9	9.0	0.91	12.0	8.4	0.96	11.0	7.7	1.00
	67	13.9	11.6	0.73	13.0	10.8	0.80	12.0	10.0	0.87	11.2	9.3	0.92	10.3	8.5	0.97
	63	13.1	12.6	0.70	12.1	11.7	0.77	11.3	10.9	0.83	10.3	9.9	0.89	9.4	9.0	0.92
MUZ-FH15NA MUZ-FH15NAH	71	18.4	10.4	1.07	17.2	9.7	1.17	16.1	9.1	1.26	15.0	8.5	1.33	13.8	7.8	1.38
	67	17.4	12.2	1.01	16.2	11.3	1.11	15.0	10.5	1.20	14.0	9.8	1.27	12.8	9.0	1.33
	63	16.4	13.6	0.96	15.2	12.6	1.06	14.1	11.8	1.15	12.8	10.7	1.22	11.7	9.8	1.27
MUZ-FH18NA2 MUZ-FH18NAH2	71	21.1	11.3	1.22	19.7	10.6	1.34	18.5	9.9	1.44	17.2	9.2	1.52	15.8	8.5	1.58
	67	20.0	13.4	1.16	18.6	12.4	1.27	17.2	11.5	1.38	16.0	10.7	1.46	14.7	9.9	1.53
	63	18.7	15.1	1.10	17.4	14.0	1.22	16.2	13.0	1.31	14.7	11.8	1.40	13.4	10.8	1.46

NOTE: 1. IWB : Intake air wet-bulb temperature TC : Total Capacity (x10³Btu/h)
 SHC : Sensible Heat Capacity (x10³Btu/h) TPC : Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) HEATING CAPACITY

Model	Indoor air	Outdoor intake air WB temperature (°F)													
	IDB (°F)	5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-FH06NA	75	3.8	0.32	5.0	0.41	6.3	0.48	7.5	0.53	8.5	0.56	8.7	0.57	9.9	0.59
	70	4.1	0.31	5.4	0.39	6.5	0.47	7.7	0.52	8.7	0.55	9.0	0.56	10.1	0.58
	65	4.4	0.29	5.5	0.38	6.8	0.45	8.0	0.50	9.0	0.53	9.2	0.54	10.4	0.57
MUZ-FH06NAH	75	3.8	0.45	5.0	0.53	6.3	0.60	7.5	0.53	8.5	0.55	8.7	0.56	9.9	0.58
	70	4.1	0.44	5.4	0.52	6.5	0.59	7.7	0.51	8.7	0.54	9.0	0.55	10.1	0.57
	65	4.4	0.42	5.5	0.50	6.8	0.58	8.0	0.50	9.0	0.53	9.2	0.53	10.4	0.56
MUZ-FH09NA	75	4.8	0.42	6.3	0.53	7.9	0.62	9.4	0.69	10.6	0.73	11.0	0.74	12.4	0.77
	70	5.2	0.40	6.7	0.51	8.2	0.61	9.6	0.67	10.9	0.71	11.2	0.72	12.7	0.75
	65	5.5	0.38	6.9	0.49	8.6	0.59	10.0	0.66	11.2	0.69	11.6	0.70	13.0	0.74
MUZ-FH09NAH	75	4.8	0.55	6.3	0.66	7.9	0.75	9.4	0.69	10.6	0.73	11.0	0.74	12.4	0.77
	70	5.2	0.53	6.7	0.64	8.2	0.74	9.6	0.67	10.9	0.71	11.2	0.72	12.7	0.75
	65	5.5	0.51	6.9	0.62	8.6	0.72	10.0	0.66	11.2	0.69	11.6	0.70	13.0	0.74
MUZ-FH12NA	75	6.0	0.56	7.9	0.71	9.9	0.83	11.8	0.93	13.3	0.97	13.7	0.99	15.5	1.03
	70	6.5	0.54	8.4	0.68	10.2	0.81	12.0	0.90	13.6	0.95	14.0	0.97	15.8	1.01
	65	6.8	0.51	8.6	0.66	10.7	0.78	12.4	0.88	14.0	0.93	14.4	0.94	16.2	0.99
MUZ-FH12NAH	75	6.0	0.69	7.9	0.84	9.9	0.96	11.8	0.93	13.3	0.97	13.7	0.99	15.5	1.03
	70	6.5	0.67	8.4	0.81	10.2	0.94	12.0	0.90	13.6	0.95	14.0	0.97	15.8	1.01
	65	6.8	0.64	8.6	0.79	10.7	0.91	12.4	0.88	14.0	0.93	14.4	0.94	16.2	0.99
MUZ-FH15NA	75	7.9	0.77	10.4	0.97	13.1	1.14	15.6	1.27	17.6	1.33	18.1	1.35	20.5	1.40
	70	8.6	0.73	11.1	0.94	13.5	1.11	15.9	1.24	18.0	1.30	18.5	1.33	21.0	1.38
	65	9.0	0.70	11.3	0.90	14.1	1.07	16.5	1.20	18.5	1.27	19.1	1.29	21.4	1.35
MUZ-FH15NAH	75	7.9	0.90	10.4	1.10	13.1	1.27	15.6	1.27	17.6	1.33	18.1	1.35	20.5	1.40
	70	8.6	0.86	11.1	1.07	13.5	1.24	15.9	1.24	18.0	1.30	18.5	1.33	21.0	1.38
	65	9.0	0.83	11.3	1.03	14.1	1.20	16.5	1.20	18.5	1.27	19.1	1.29	21.4	1.35
MUZ-FH18NA2	75	8.9	1.01	11.8	1.28	14.7	1.51	17.6	1.68	19.8	1.76	20.4	1.79	23.1	1.86
	70	9.6	0.97	12.5	1.24	15.2	1.47	18.0	1.63	20.3	1.72	20.9	1.75	23.6	1.82
	65	10.2	0.93	12.8	1.19	15.9	1.42	18.6	1.59	20.9	1.68	21.5	1.70	24.2	1.79
MUZ-FH18NAH2	75	8.9	1.14	11.8	1.41	14.7	1.64	17.6	1.68	19.8	1.76	20.4	1.79	23.1	1.86
	70	9.6	1.10	12.5	1.37	15.2	1.60	18.0	1.63	20.3	1.72	20.9	1.75	23.6	1.82
	65	10.2	1.06	12.8	1.32	15.9	1.55	18.6	1.59	20.9	1.68	21.5	1.70	24.2	1.79

NOTE: 1. IDB : Intake air dry-bulb temperature

TC : Total Capacity ($\times 10^3$ Btu/h) TPC : Total Power Consumption (kW)

2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch twice or once, or press any button on the remote controller.

MUZ-FE09NAH MUZ-FE12NAH

1) COOLING CAPACITY

Model	Indoor air IWB (°F)	Outdoor intake air DB temperature (°F)														
		75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-FE09NAH	71	11.0	6.9	0.58	10.3	6.5	0.63	9.7	6.1	0.68	9.0	5.6	0.72	8.3	5.2	0.75
	67	10.4	7.9	0.55	9.7	7.4	0.60	9.0	6.8	0.65	8.4	6.4	0.69	7.7	5.8	0.72
	63	9.8	8.8	0.52	9.1	8.1	0.58	8.5	7.6	0.62	7.7	6.9	0.66	7.0	6.3	0.69
MUZ-FE12NAH	71	14.7	8.8	0.85	13.7	8.2	0.94	12.9	7.7	1.01	12.0	7.2	1.06	11.0	6.6	1.10
	67	13.9	10.2	0.81	13.0	9.5	0.89	12.0	8.8	0.96	11.2	8.1	1.02	10.3	7.5	1.07
	63	13.1	11.3	0.77	12.1	10.5	0.85	11.3	9.7	0.92	10.3	8.9	0.98	9.4	8.1	1.02

NOTE: 1. IWB : Intake air wet-bulb temperature TC : Total Capacity (x10³ Btu/h)
 SHC : Sensible Heat Capacity (x10³ Btu/h) TPC : Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) HEATING CAPACITY

Model	Indoor air IDB (°F)	Outdoor intake air WB temperature (°F)													
		5		15		25		35		43		45		55	
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC
MUZ-FE09NAH	75	4.8	0.57	6.3	0.69	7.9	0.79	9.4	0.73	10.6	0.77	11.0	0.78	12.4	0.81
	70	5.2	0.55	6.7	0.67	8.2	0.77	9.6	0.71	10.9	0.75	11.2	0.77	12.7	0.80
	65	5.5	0.54	6.9	0.65	8.6	0.75	10.0	0.69	11.2	0.73	11.6	0.74	13.0	0.78
MUZ-FE12NAH	75	6.0	0.71	7.9	0.86	9.9	0.99	11.8	0.96	13.3	1.00	13.7	1.02	15.5	1.06
	70	6.5	0.68	8.4	0.84	10.2	0.97	12.0	0.93	13.6	0.98	14.0	1.00	15.8	1.04
	65	6.8	0.66	8.6	0.81	10.7	0.94	12.4	0.91	14.0	0.96	14.4	0.97	16.2	1.02

NOTE: 1. IDB : Intake air dry-bulb temperature
 TC : Total Capacity (x10³ Btu/h) TPC : Total Power Consumption (kW)
 2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch twice or once, or press any button on the remote controller.

MUZ-D30NA MUZ-D36NA MUY-D30NA MUY-D36NA

1) COOLING CAPACITY

Model	Indoor air		Outdoor intake air DB temperature (°F)													
	IWB (°F)	75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUZ-D30NA	71	37.6	19.1	3.43	35.2	17.8	3.75	33.0	16.7	4.04	30.7	15.6	4.25	28.2	14.3	4.43
	67	35.6	22.8	3.23	33.2	21.2	3.56	30.7	19.6	3.85	28.6	18.3	4.08	26.2	16.8	4.27
	63	33.5	25.9	3.08	31.0	24.0	3.41	28.9	22.3	3.68	26.2	20.3	3.93	23.9	18.5	4.08
MUZ-D36NA	71	40.7	19.8	3.88	38.0	18.5	4.25	35.7	17.4	4.58	33.2	16.2	4.82	30.5	14.9	5.01
	67	38.5	23.9	3.66	35.9	22.2	4.03	33.2	20.6	4.36	30.9	19.1	4.62	28.4	17.6	4.84
	63	36.2	27.3	3.49	33.5	25.3	3.86	31.2	23.5	4.16	28.4	21.4	4.45	25.9	19.5	4.62
MUY-D30NA	71	37.6	19.1	3.01	35.2	17.8	3.30	33.0	16.7	3.55	30.7	15.6	3.73	28.2	14.3	3.89
	67	35.6	22.8	2.84	33.2	21.2	3.13	30.7	19.6	3.38	28.6	18.3	3.58	26.2	16.8	3.75
	63	33.5	25.9	2.70	31.0	24.0	2.99	28.9	22.3	3.23	26.2	20.3	3.45	23.9	18.5	3.58
MUY-D36NA (208 V)	71	40.7	19.8	3.75	38.0	18.5	4.10	35.7	17.4	4.42	33.2	16.2	4.65	30.5	14.9	4.84
	67	38.5	23.9	3.54	35.9	22.2	3.89	33.2	20.6	4.21	30.9	19.1	4.46	28.4	17.6	4.67
	63	36.2	27.3	3.37	33.5	25.3	3.73	31.2	23.5	4.02	28.4	21.4	4.29	25.9	19.5	4.46
MUY-D36NA (230 V)	71	42.4	20.6	3.77	39.6	19.3	4.13	37.2	18.1	4.45	34.6	16.8	4.69	31.8	15.5	4.88
	67	40.1	24.9	3.56	37.4	23.2	3.92	34.6	21.5	4.24	32.2	20.0	4.49	29.6	18.3	4.71
	63	37.7	28.4	3.39	34.9	26.3	3.75	32.5	24.5	4.05	29.6	22.3	4.32	27.0	20.3	4.49

NOTE: 1. IWB: Intake air wet-bulb temperature
 TC: Total Capacity ($\times 10^3$ Btu/h)
 SHC: Sensible Heat Capacity ($\times 10^3$ Btu/h)
 TPC: Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) HEATING CAPACITY

Model	Indoor air		Outdoor intake air WB temperature (°F)											
	IDB (°F)	15		25		35		43		45		55		
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	
MUZ-D30NA	75	18.9	2.50	23.6	2.94	28.2	3.28	31.8	3.44	32.8	3.49	37.2	3.63	
	70	20.0	2.42	24.5	2.87	28.9	3.19	32.6	3.36	33.6	3.43	38.0	3.56	
	65	20.5	2.32	25.6	2.77	29.8	3.11	33.6	3.28	34.6	3.33	38.8	3.49	
MUZ-D36NA	75	20.4	2.86	25.5	3.36	30.4	3.74	34.3	3.94	35.4	3.99	40.1	4.15	
	70	21.6	2.76	26.4	3.28	31.2	3.65	35.2	3.84	36.3	3.92	41.0	4.07	
	65	22.2	2.65	27.6	3.17	32.2	3.55	36.3	3.74	37.3	3.80	41.9	3.99	

NOTE: 1. IDB: Intake air dry-bulb temperature
 TC: Total Capacity ($\times 10^3$ Btu/h)
 TPC: Total Power Consumption (kW)
 2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch twice or once, or press any button on the remote controller.

MUFZ-KJ09NAHZ MUFZ-KJ12NAHZ MUFZ-KJ15NAHZ MUFZ-KJ18NAHZ

1) COOLING CAPACITY

Model	Indoor air		Outdoor intake air DB temperature (°F)													
	IWB (°F)	75			85			95			105			115		
		TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC	TC	SHC	TPC
MUFZ-KJ09NAHZ	71	11.0	7.2	0.51	10.3	6.8	0.56	9.7	6.4	0.60	9.0	5.9	0.63	8.3	5.4	0.66
	67	10.4	8.2	0.48	9.7	7.7	0.53	9.0	7.1	0.57	8.4	6.6	0.60	7.7	6.1	0.63
	63	9.8	9.1	0.46	9.1	8.4	0.50	8.5	7.8	0.54	7.7	7.1	0.58	7.0	6.5	0.60
MUFZ-KJ12NAHZ	71	14.7	8.3	0.79	13.7	7.8	0.87	12.9	7.3	0.93	12.0	6.8	0.98	11.0	6.3	1.02
	67	13.9	9.7	0.75	13.0	9.1	0.82	12.0	8.4	0.89	11.2	7.8	0.94	10.3	7.2	0.99
	63	13.1	10.9	0.71	12.1	10.1	0.79	11.3	9.4	0.85	10.3	8.6	0.91	9.4	7.8	0.94
MUFZ-KJ15NAHZ	71	18.4	9.7	1.00	17.2	9.0	1.09	16.1	8.5	1.18	15.0	7.9	1.24	13.8	7.3	1.29
	67	17.4	11.5	0.94	16.2	10.7	1.04	15.0	9.9	1.12	14.0	9.2	1.19	12.8	8.5	1.24
	63	16.4	13.0	0.90	15.2	12.0	0.99	14.1	11.2	1.07	12.8	10.2	1.14	11.7	9.3	1.19
MUFZ-KJ18NAHZ	71	20.8	10.8	1.20	19.5	10.1	1.32	18.3	9.4	1.42	17.0	8.8	1.49	15.6	8.1	1.55
	67	19.7	12.8	1.13	18.4	11.9	1.25	17.0	11.1	1.35	15.8	10.3	1.43	14.5	9.4	1.50
	63	18.5	14.5	1.08	17.2	13.4	1.19	16.0	12.5	1.29	14.5	11.4	1.38	13.3	10.4	1.43

- OTE:** 1. IWB: Intake air wet-bulb temperature
 TC: Total Capacity ($\times 10^3$ Btu/h)
 SHC: Sensible Heat Capacity ($\times 10^3$ Btu/h)
 TPC: Total Power Consumption (kW)
 2. SHC is based on 80°F of indoor Intake air DB temperature.

2) HEATING CAPACITY

Model	Indoor air		Outdoor intake air WB temperature (°F)													
	IDB (°F)	5		15		25		35		43		45		55		
		TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	TC	TPC	
MUFZ-KJ09NAHZ	75	4.8	0.57	6.4	0.69	8.0	0.79	9.5	0.73	10.7	0.77	11.1	0.78	12.5	0.81	
	70	5.2	0.55	6.8	0.67	8.3	0.77	9.7	0.71	11.0	0.75	11.3	0.77	12.8	0.80	
	65	5.5	0.54	6.9	0.65	8.6	0.75	10.1	0.69	11.3	0.73	11.7	0.74	13.1	0.78	
MUFZ-KJ12NAHZ	75	5.7	0.66	7.5	0.80	9.4	0.92	11.2	0.88	12.7	0.92	13.1	0.94	14.8	0.97	
	70	6.2	0.64	8.0	0.78	9.8	0.90	11.5	0.86	13.0	0.90	13.4	0.92	15.1	0.95	
	65	6.5	0.62	8.2	0.75	10.2	0.87	11.9	0.83	13.4	0.88	13.8	0.89	15.5	0.94	
MUFZ-KJ15NAHZ	75	7.9	0.95	10.4	1.17	13.1	1.35	15.6	1.37	17.6	1.45	18.1	1.47	20.5	1.52	
	70	8.6	0.92	11.1	1.14	13.5	1.33	15.9	1.34	18.0	1.41	18.5	1.44	21.0	1.49	
	65	9.0	0.88	11.3	1.09	14.1	1.28	16.5	1.30	18.5	1.37	19.1	1.40	21.4	1.47	
MUFZ-KJ18NAHZ	75	9.2	1.14	12.2	1.41	15.2	1.63	18.2	1.69	20.5	1.77	21.1	1.80	23.9	1.87	
	70	10.0	1.10	12.9	1.37	15.8	1.60	18.6	1.64	21.0	1.73	21.6	1.76	24.5	1.83	
	65	10.5	1.05	13.2	1.31	16.5	1.55	19.2	1.60	21.6	1.69	22.3	1.71	25.0	1.80	

- NOTE:** 1. IDB: Intake air dry-bulb temperature
 TC: Total Capacity ($\times 10^3$ Btu/h)
 TPC: Total Power Consumption (kW)
 2. Above data is for heating operation without any frost.

How to operate with fixed operational frequency of the compressor.

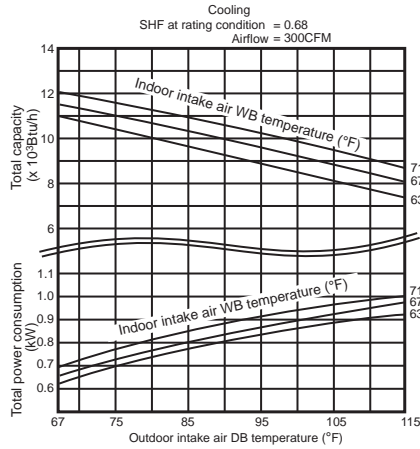
1. Press the EMERGENCY OPERATION switch on the front of the indoor unit, and select either EMERGENCY COOL mode or EMERGENCY HEAT mode before starting to operate the air conditioner.
2. The compressor starts with operational frequency.
3. The fan speed of the indoor unit is High.
4. This operation continues for 30 minutes.
5. In order to release this operation, press the EMERGENCY OPERATION switch twice or once, or press any button on the remote controller.

8-2. PERFORMANCE CURVE

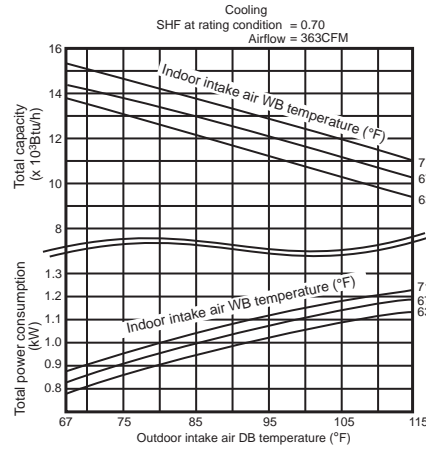
NOTE : A point on the curve shows the reference point.

Cooling

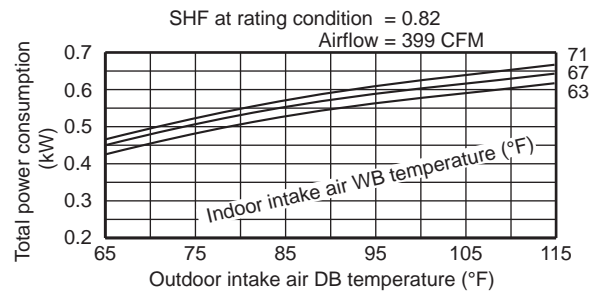
MU-A09WA



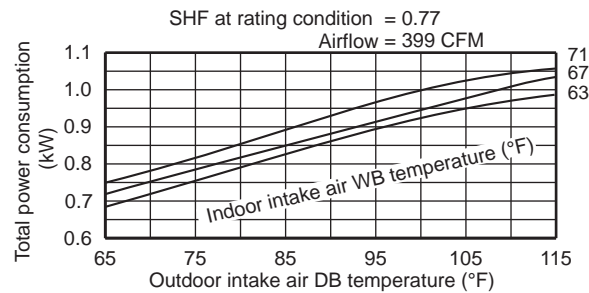
MU-A12WA



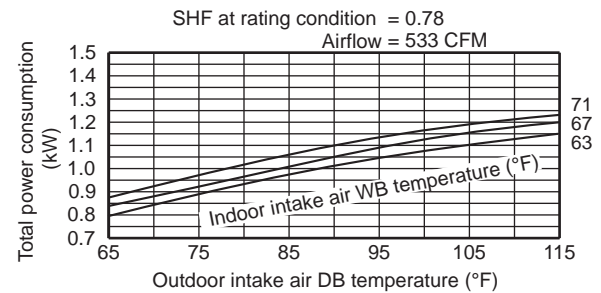
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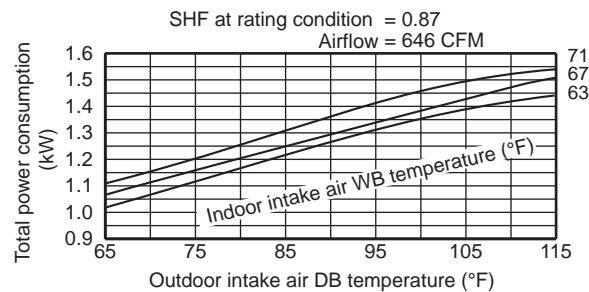
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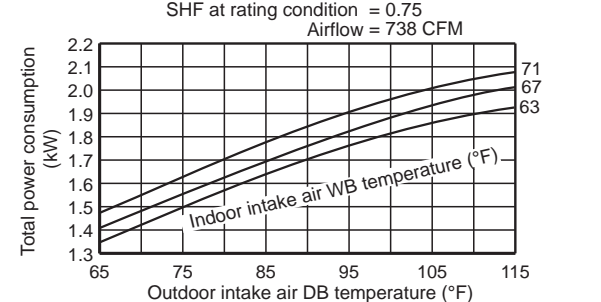
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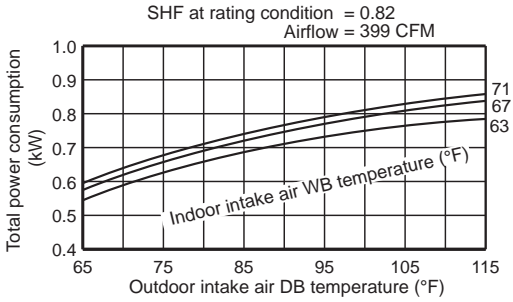
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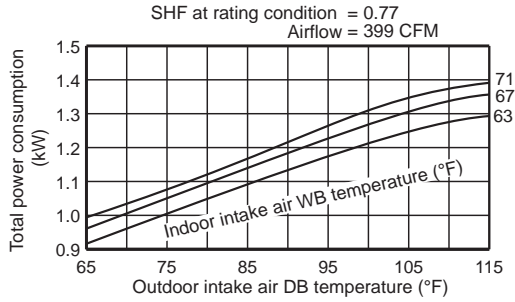
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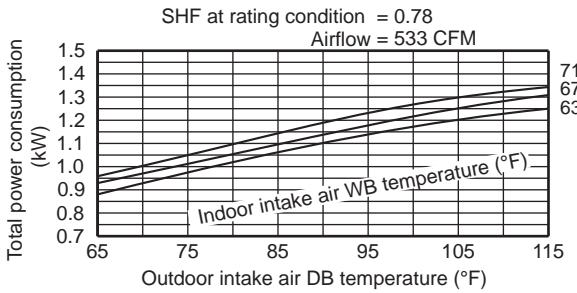
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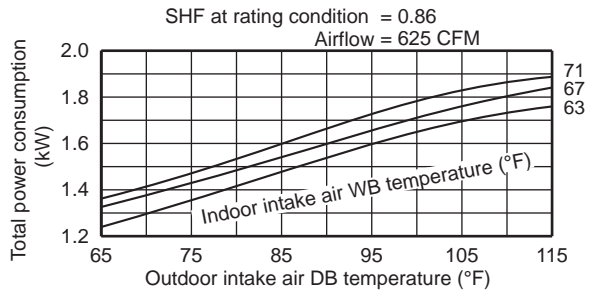
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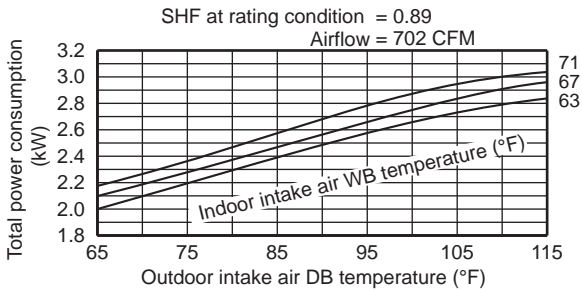
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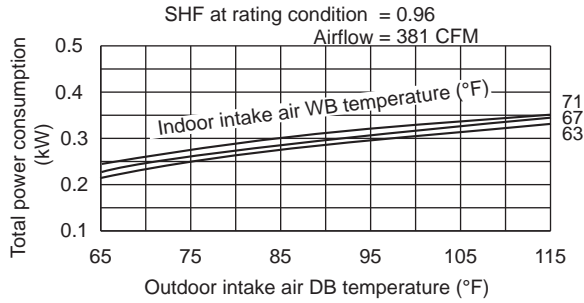
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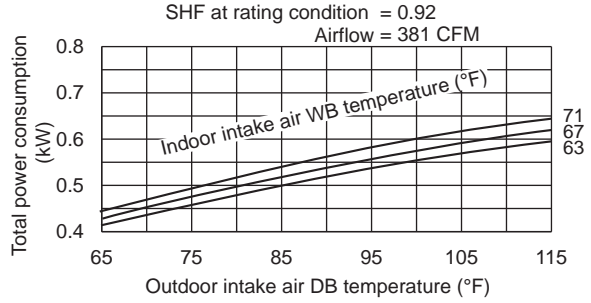
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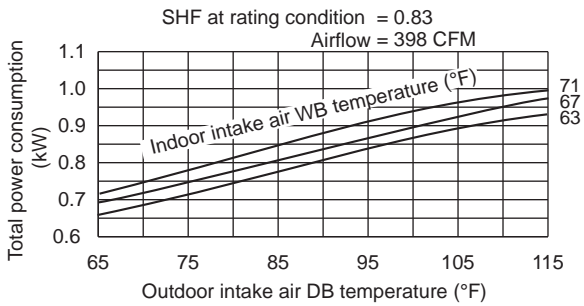
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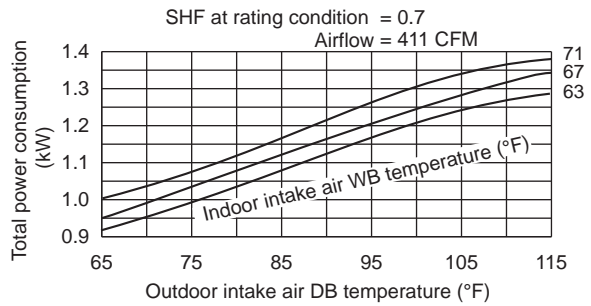
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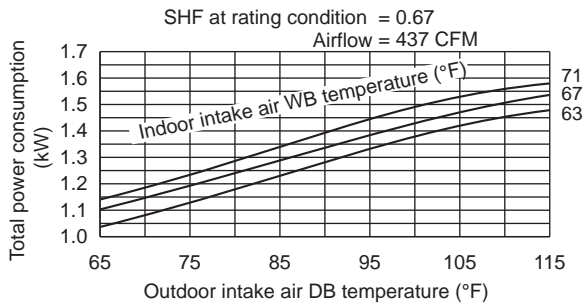
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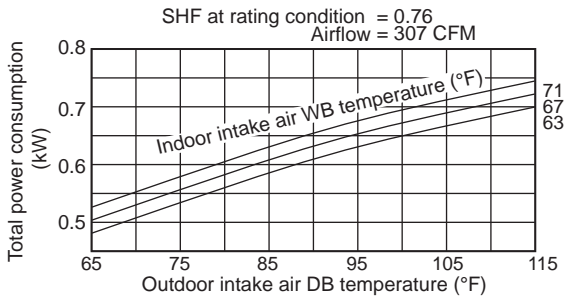
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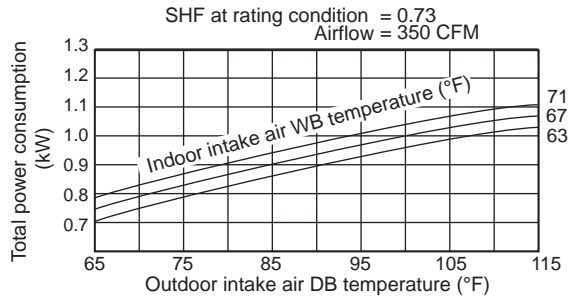
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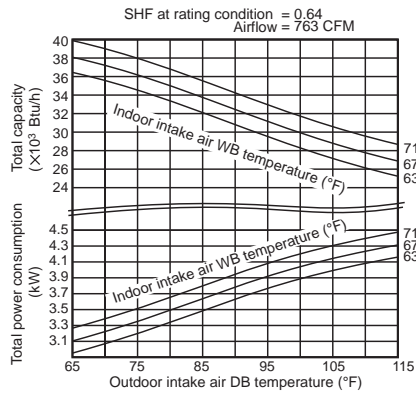
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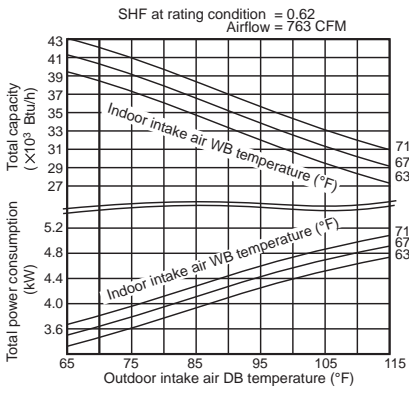
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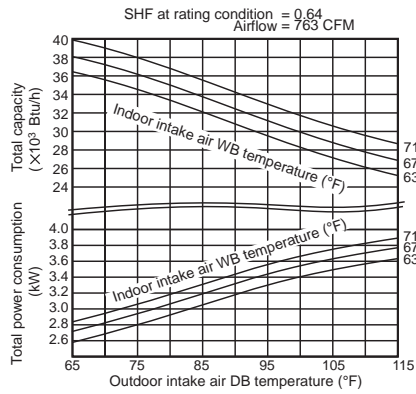
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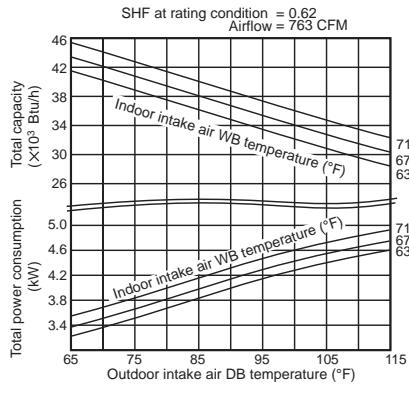
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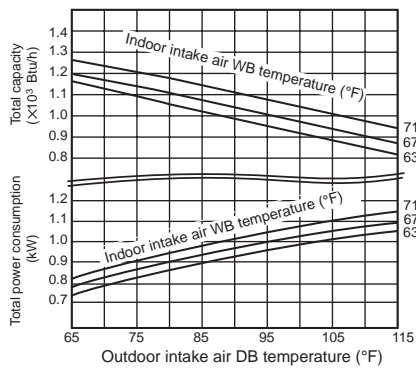
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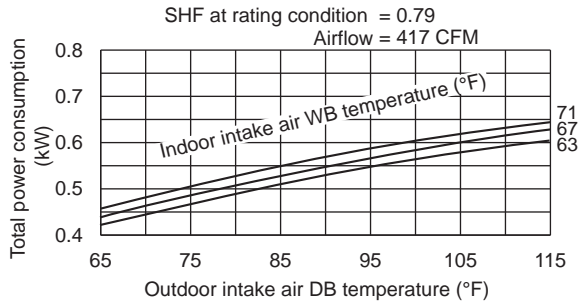
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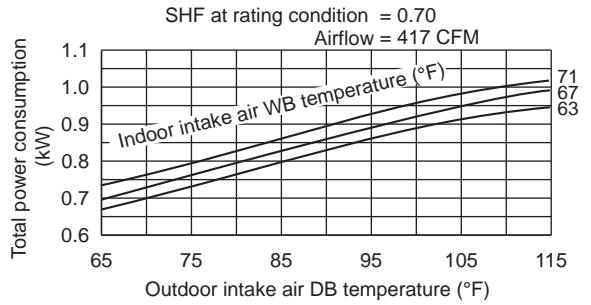
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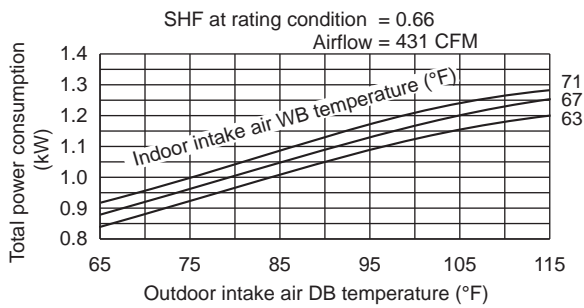
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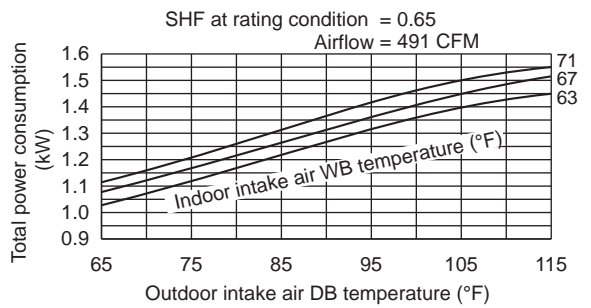
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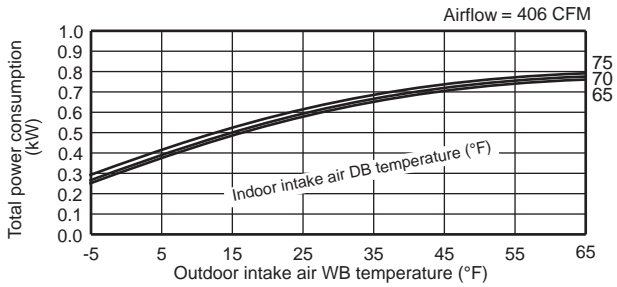


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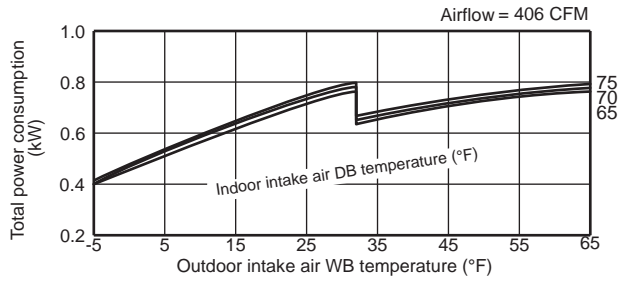


Heating

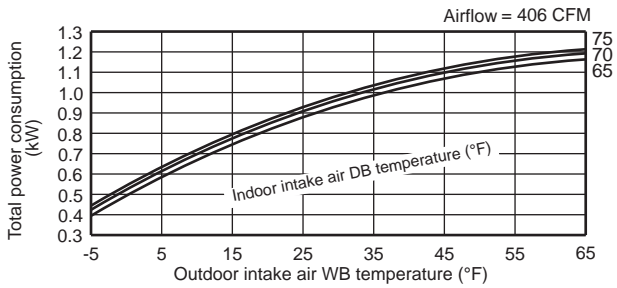
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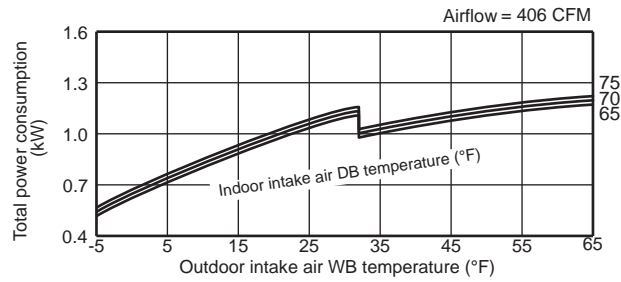
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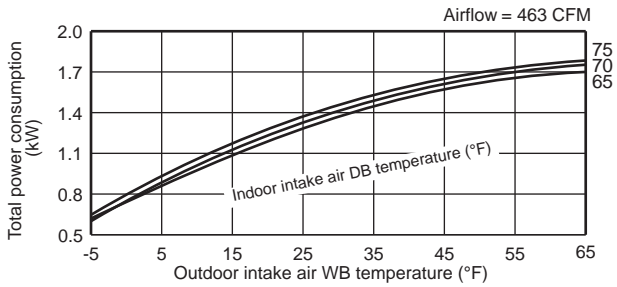
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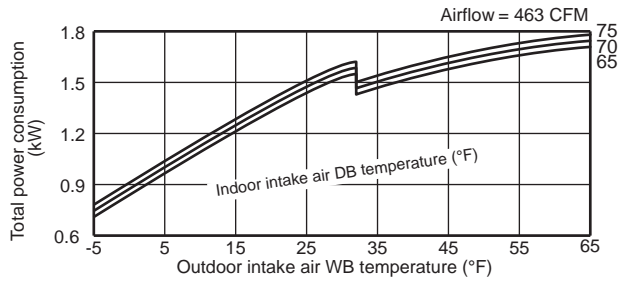
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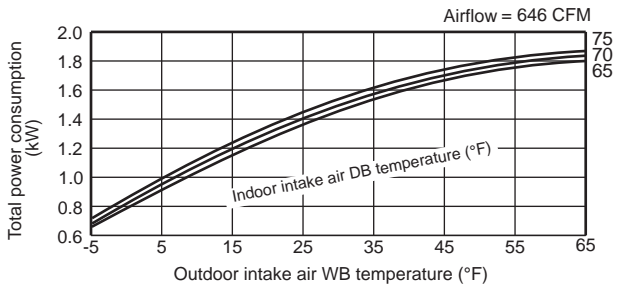
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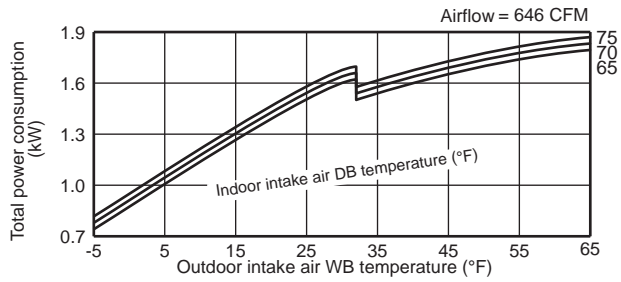
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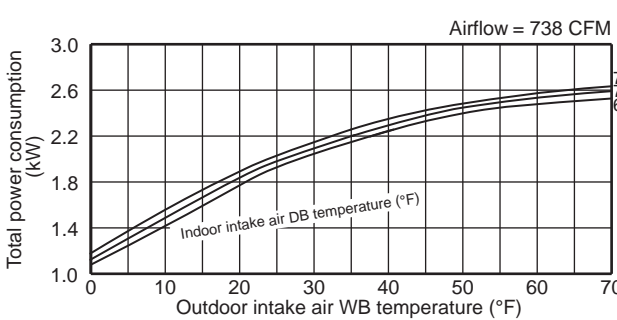
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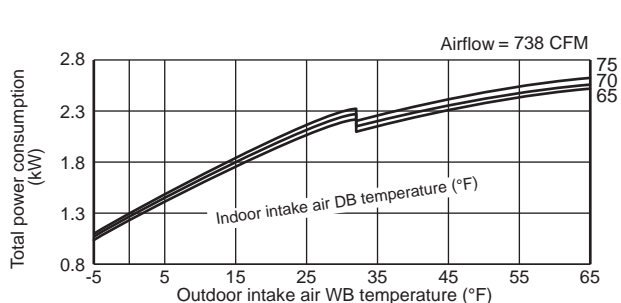
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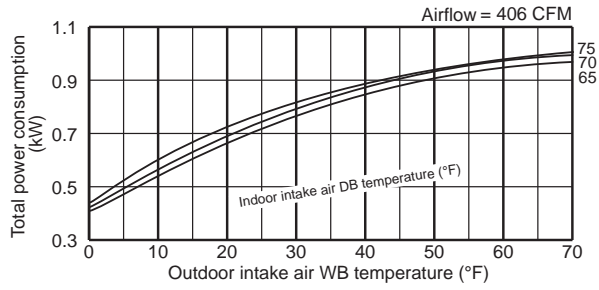
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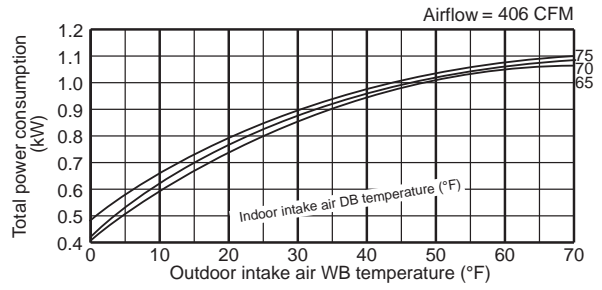
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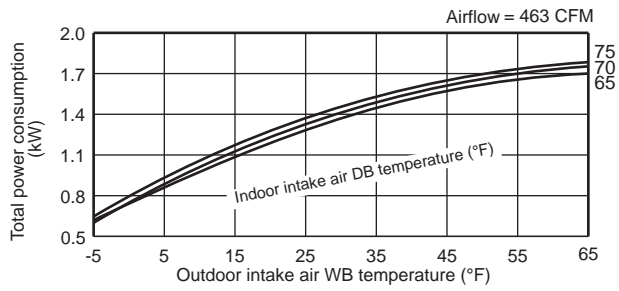
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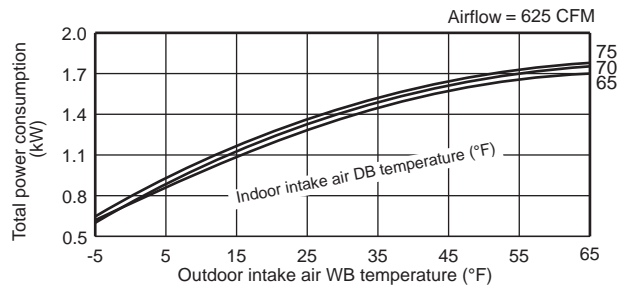
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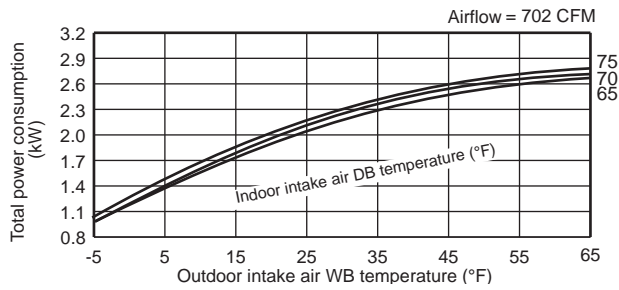
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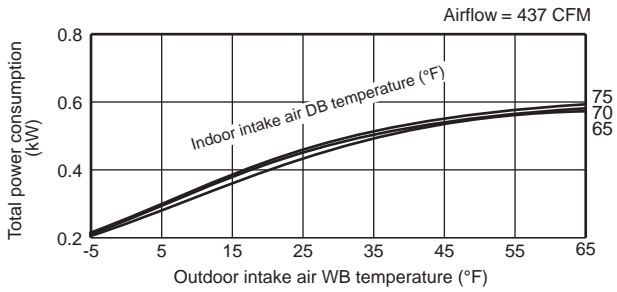
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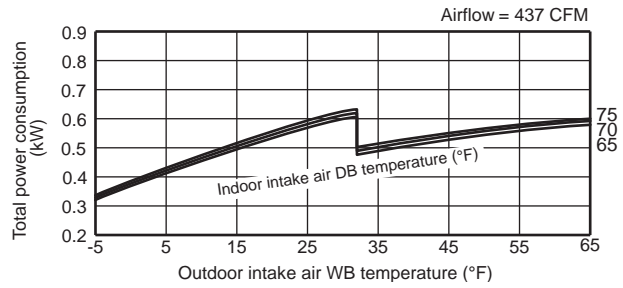
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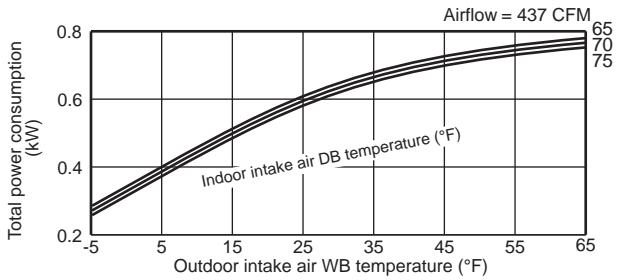
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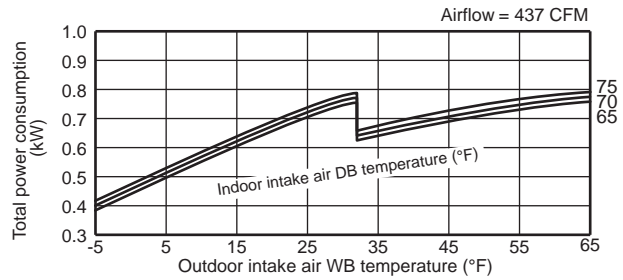
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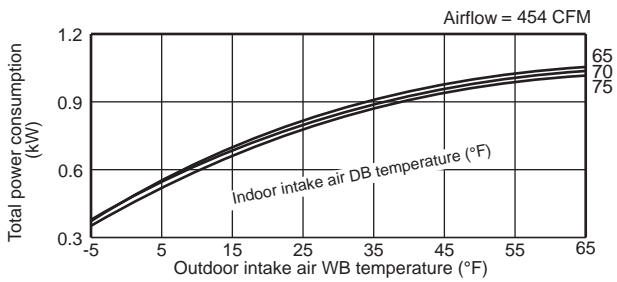
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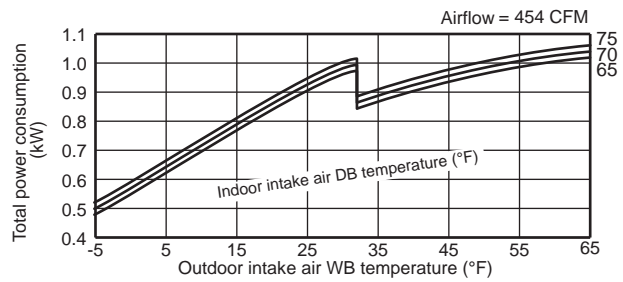
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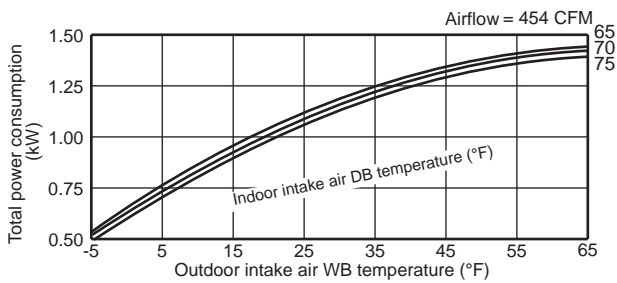
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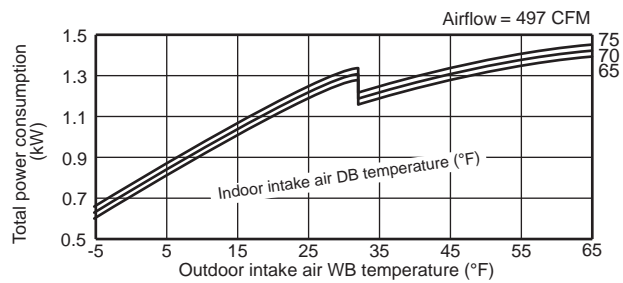
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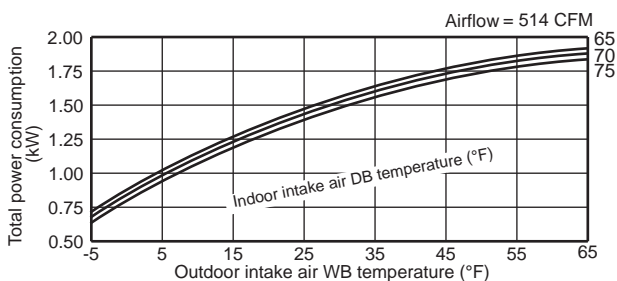
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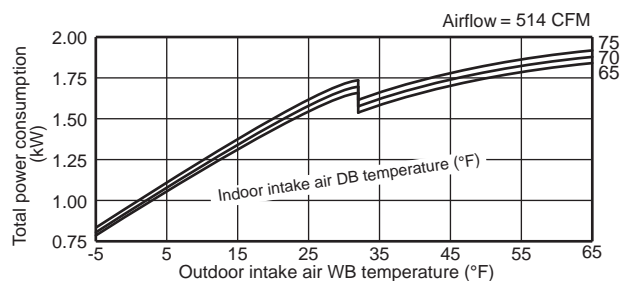
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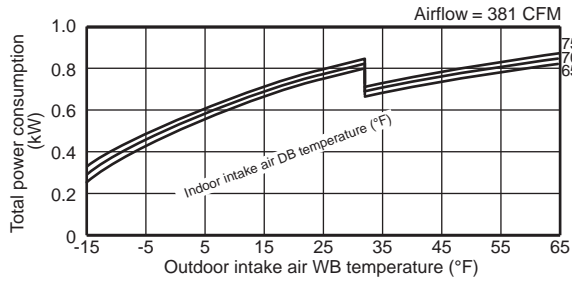
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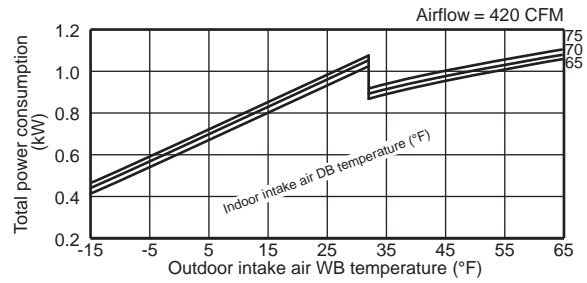
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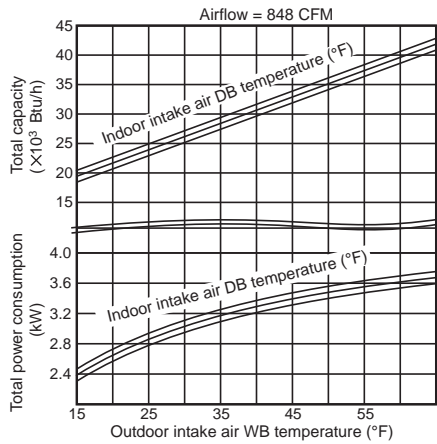
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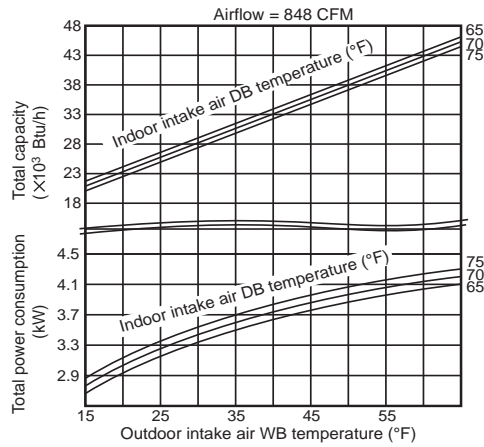
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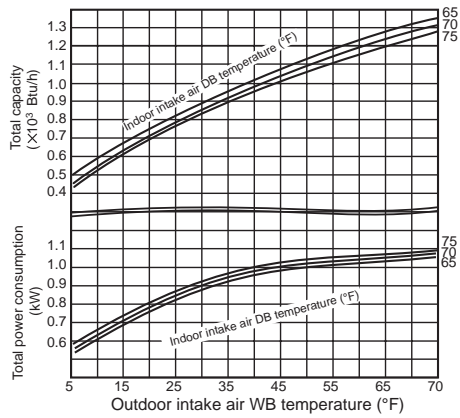
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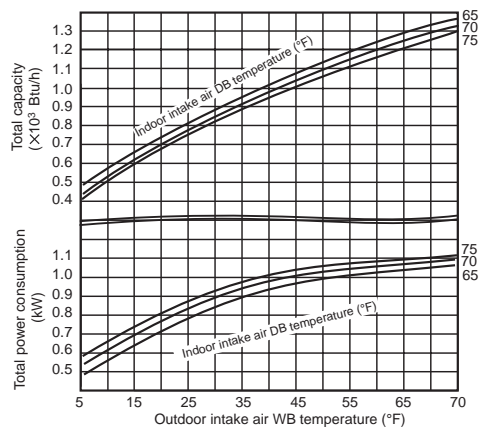
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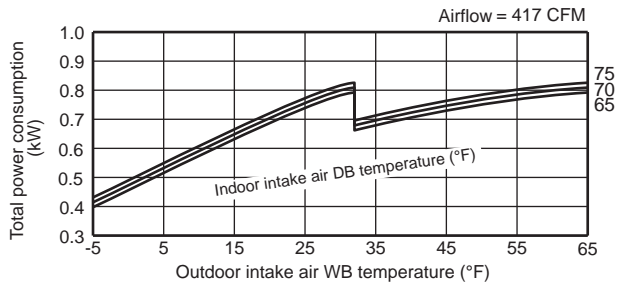
SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA



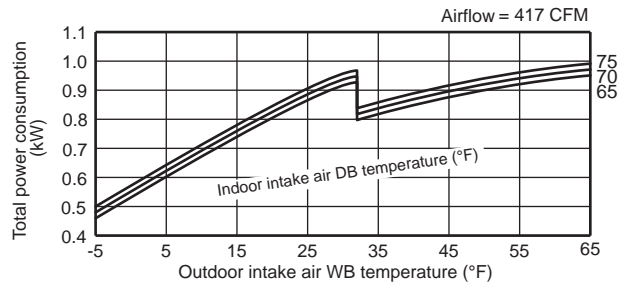
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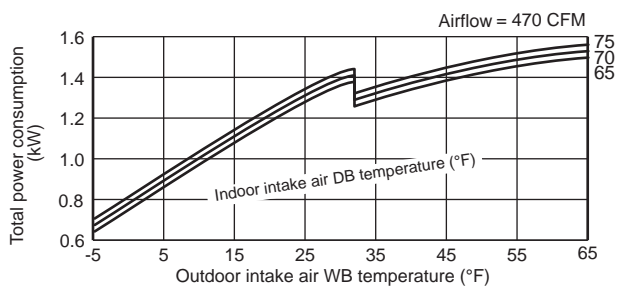
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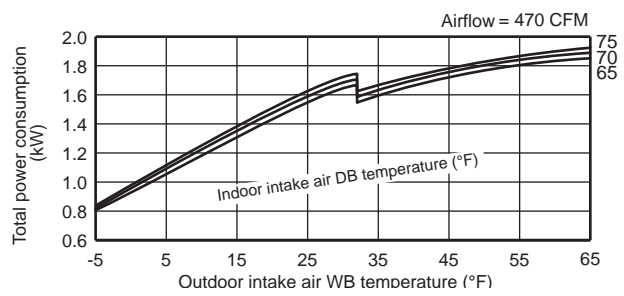
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MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ



8-3. CONDENSING PRESSURE

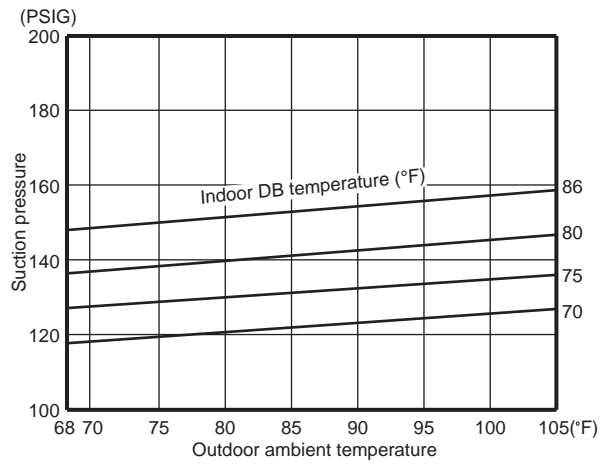
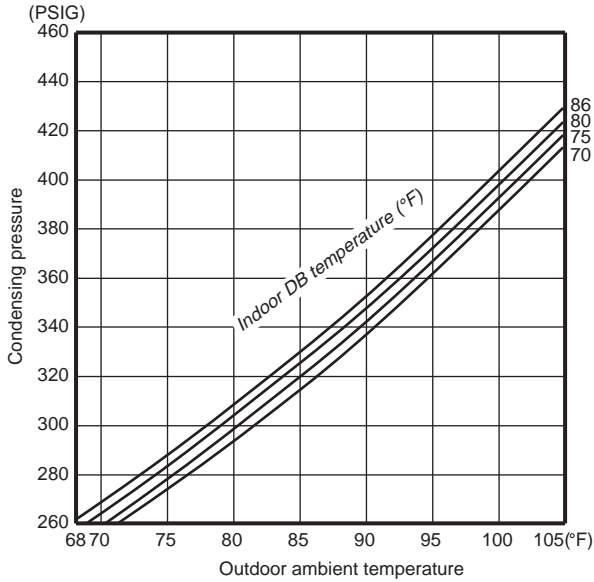
Cooling

Data is based on the condition of indoor humidity 50%.

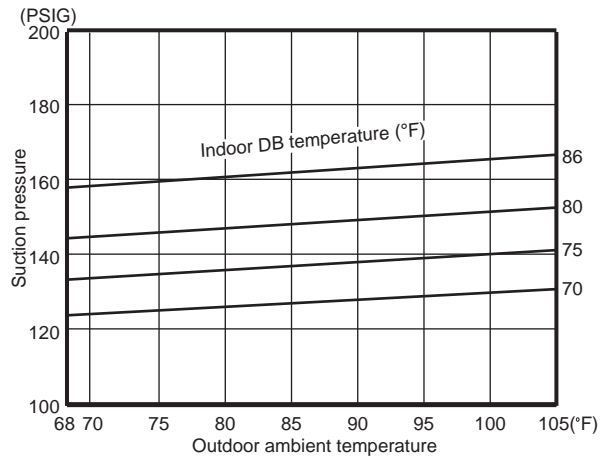
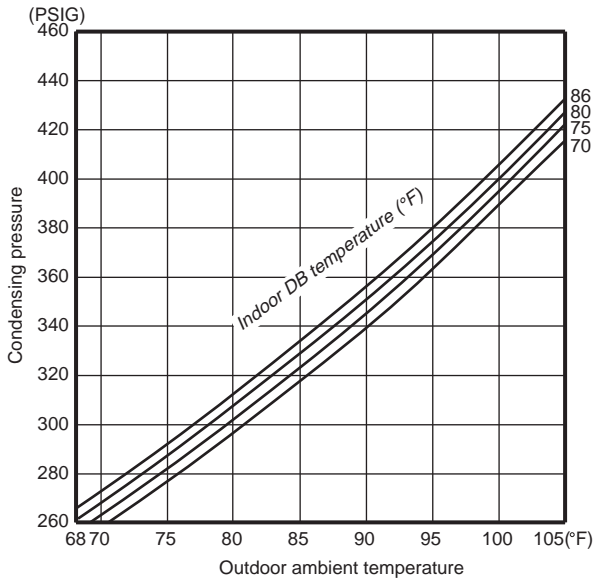
Air flow should be set at High.

A point on the curve shows the reference point.

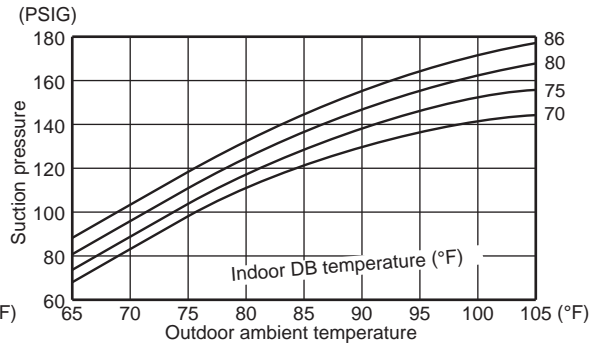
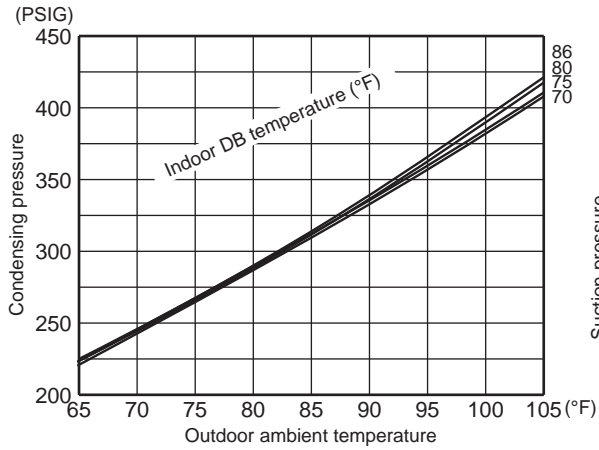
MU-A09WA



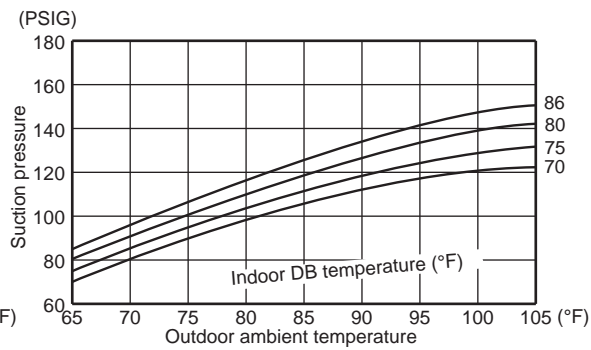
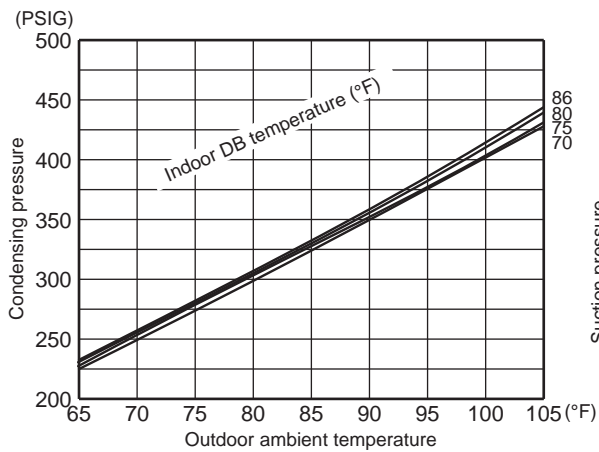
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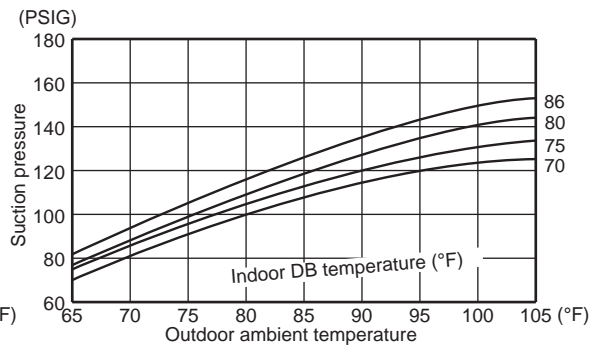
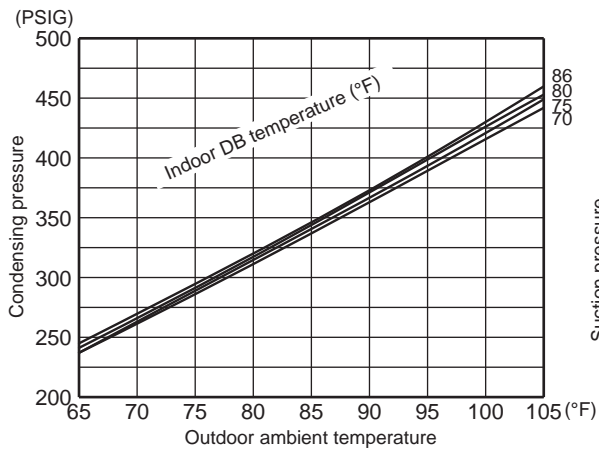
MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA



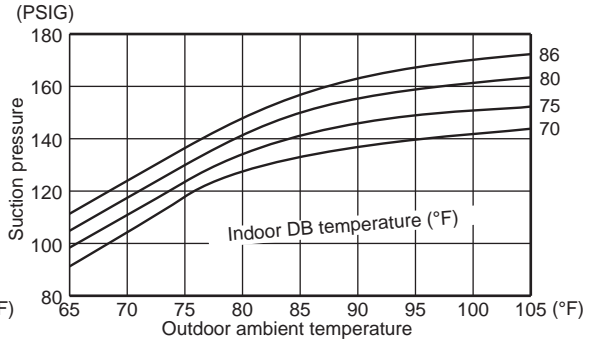
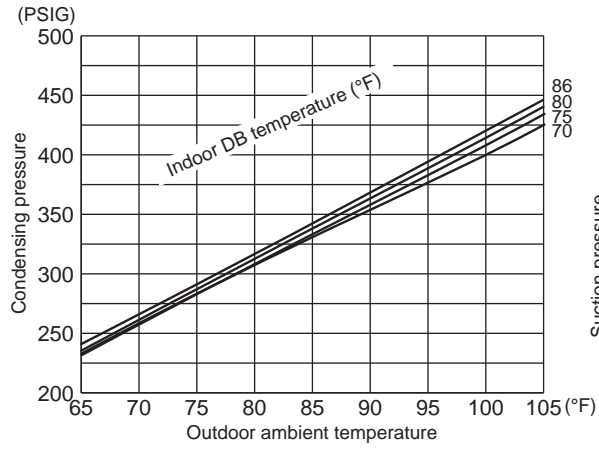
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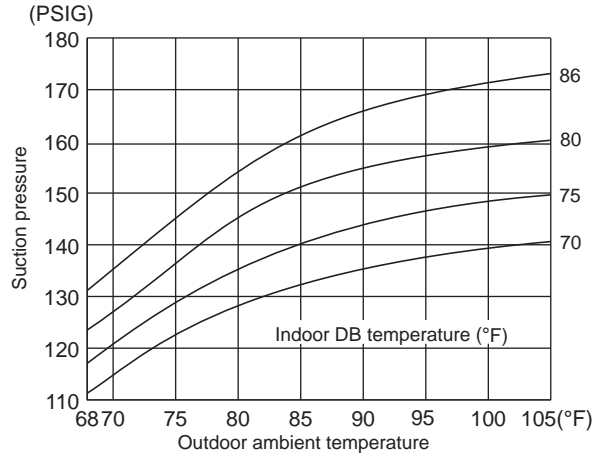
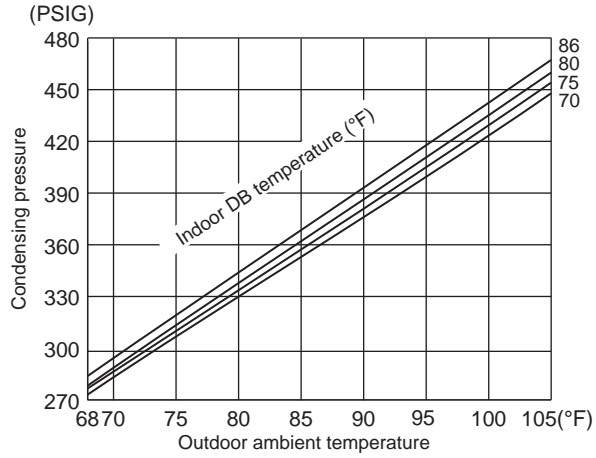
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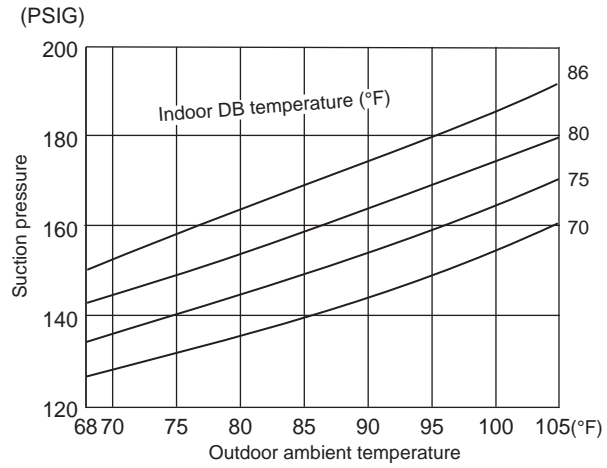
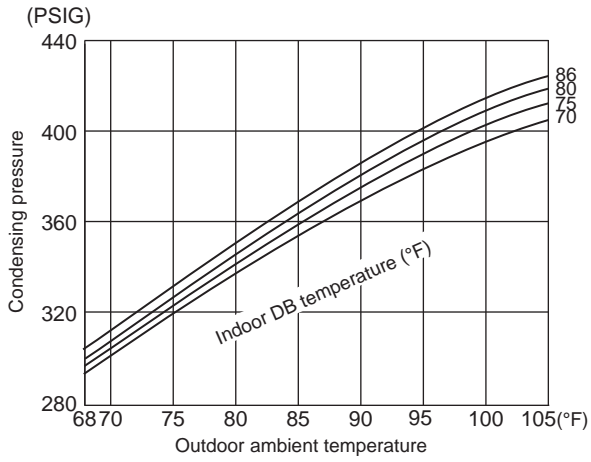
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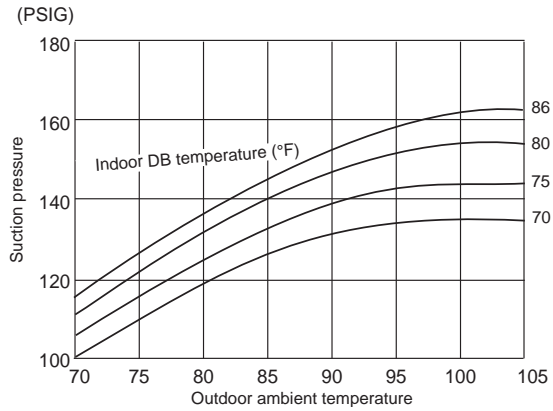
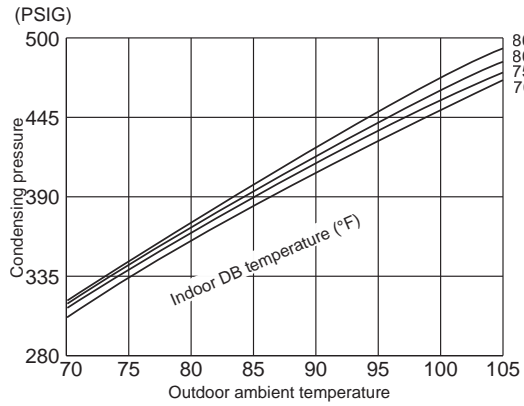
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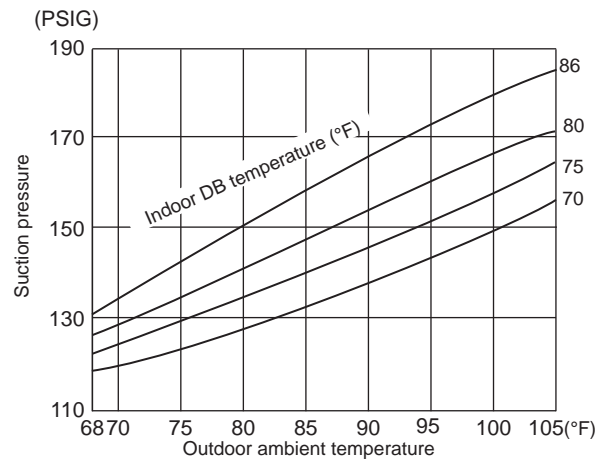
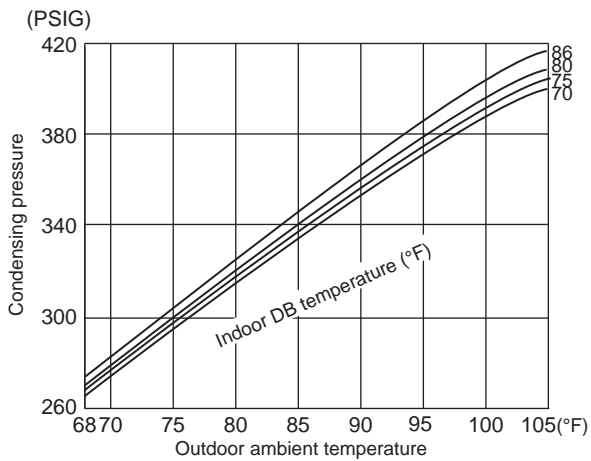
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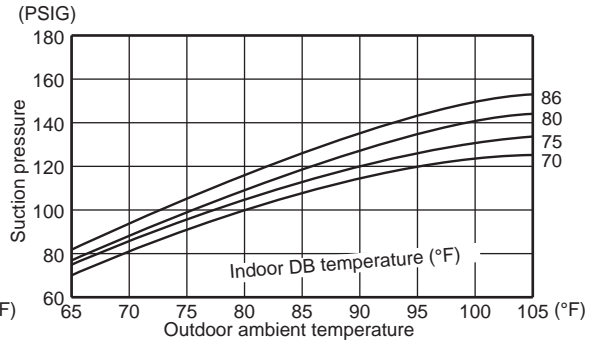
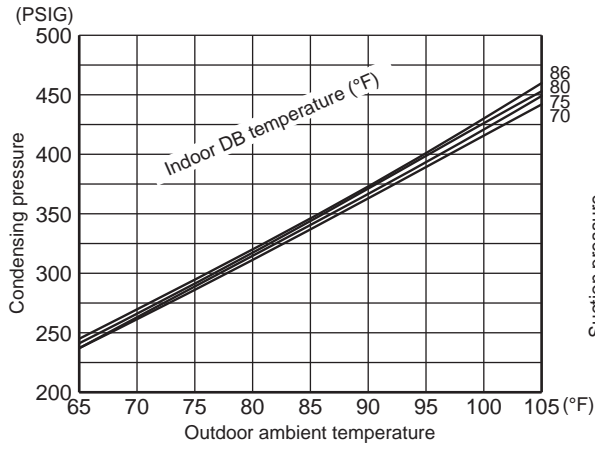
MUZ-HM12NA2 - U1



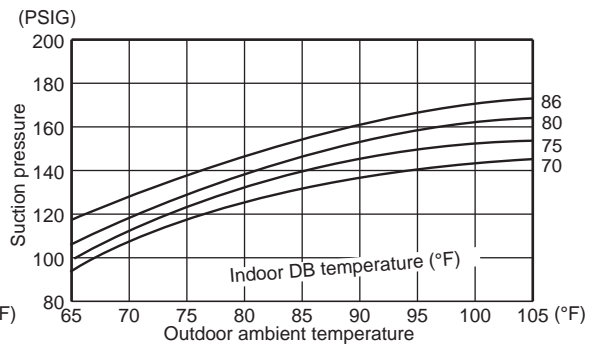
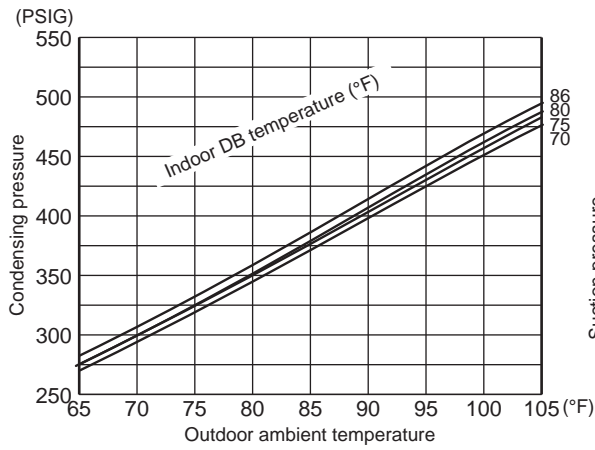
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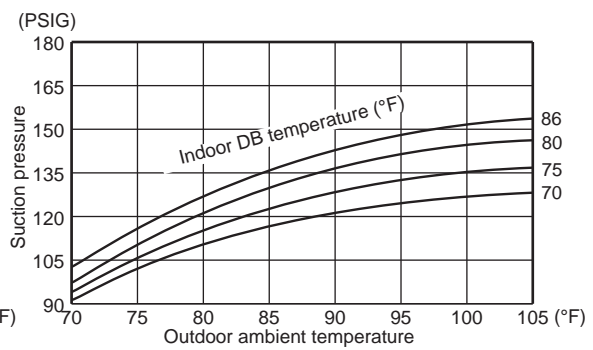
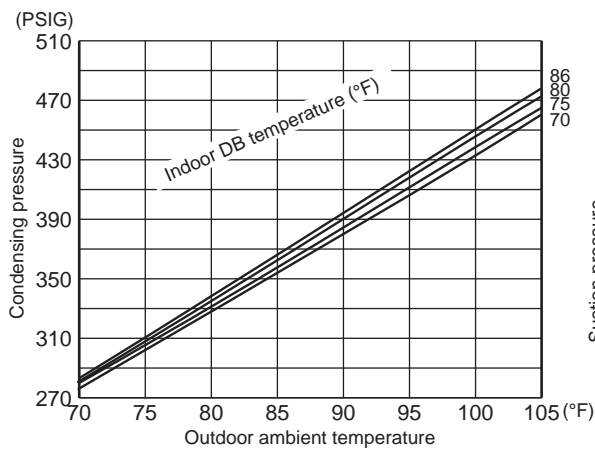
MUZ-HM15NA2



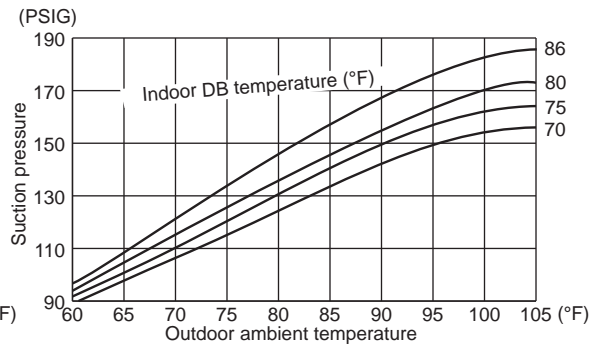
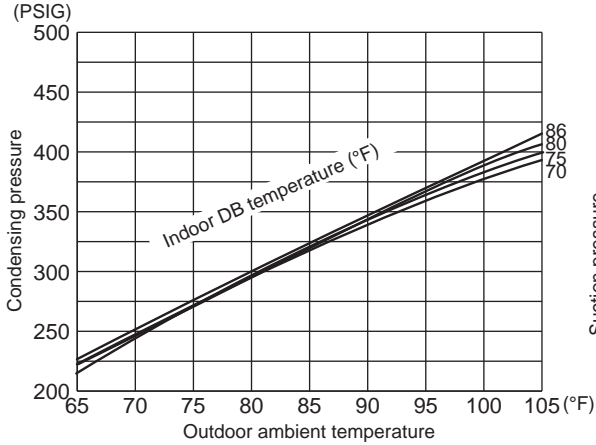
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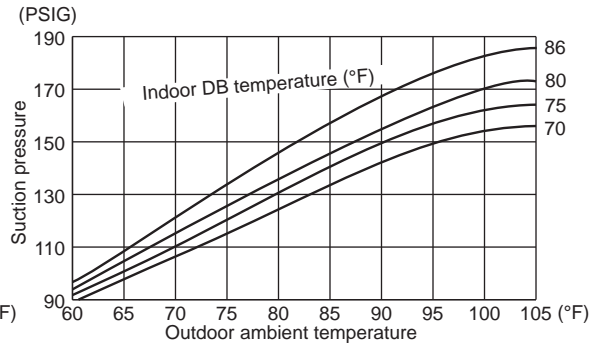
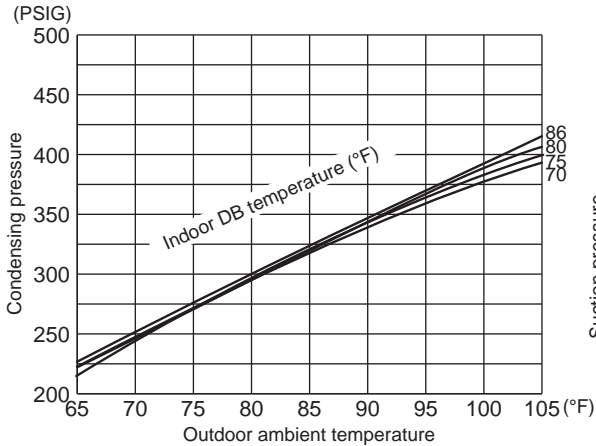
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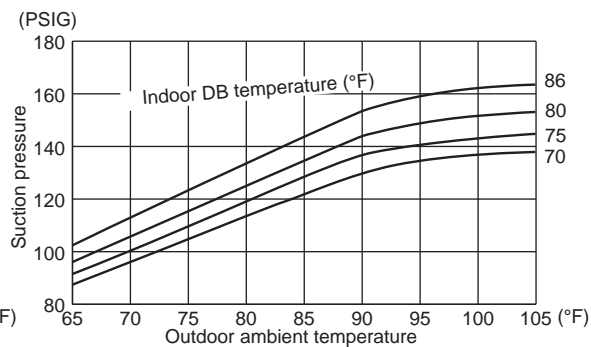
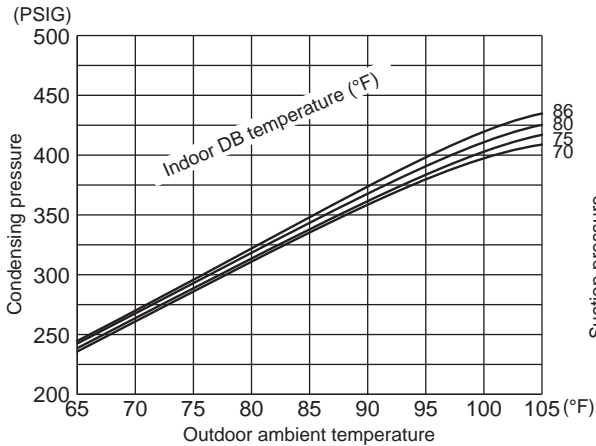
MUZ-FH06NA MUZ-FH06NAH



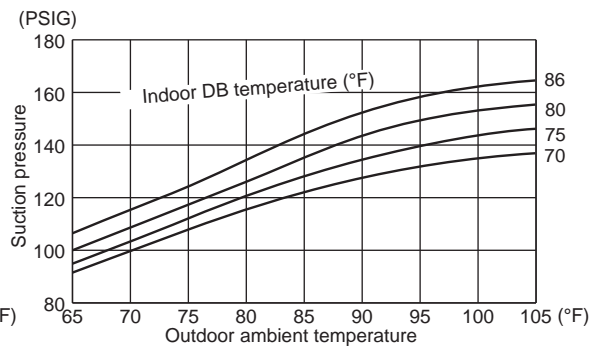
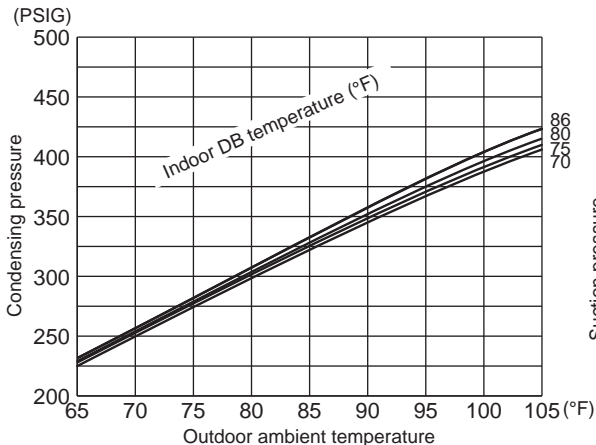
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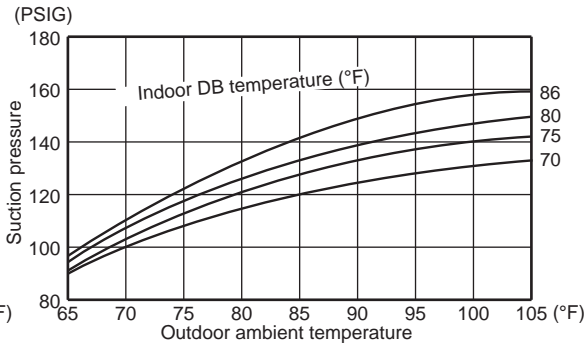
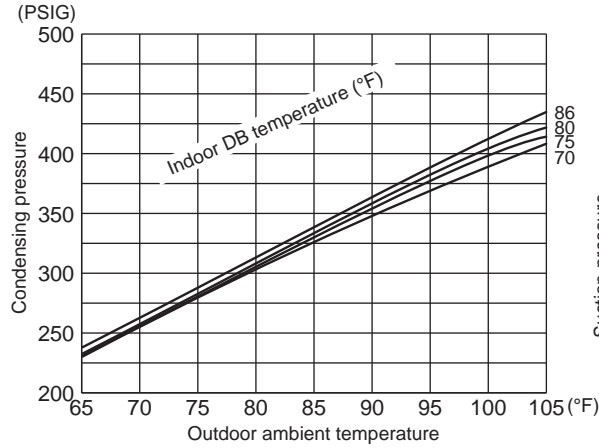
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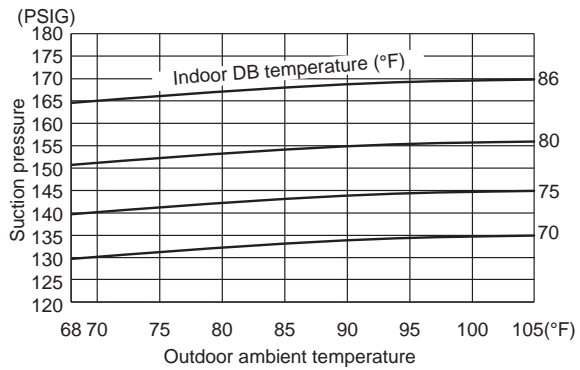
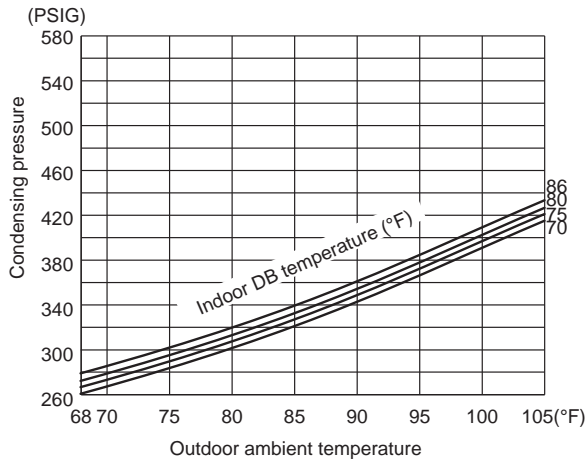
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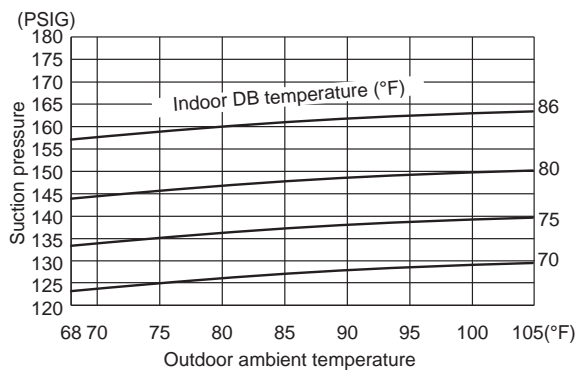
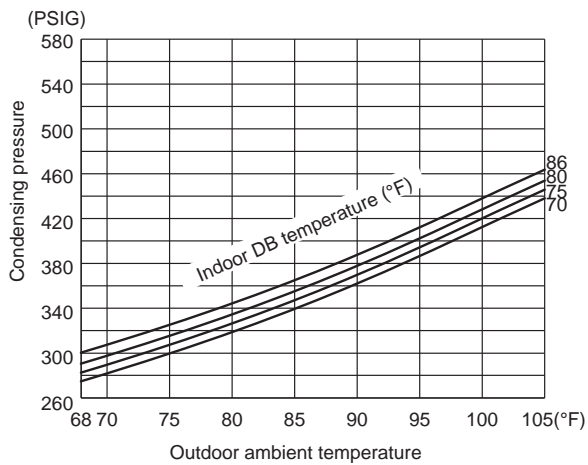
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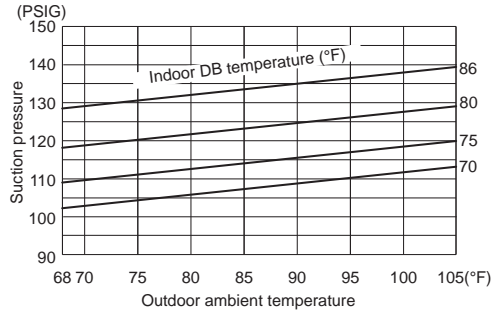
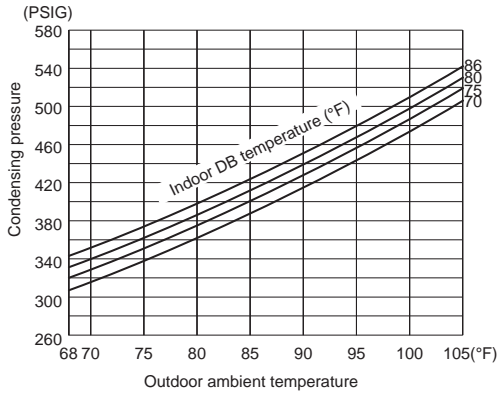
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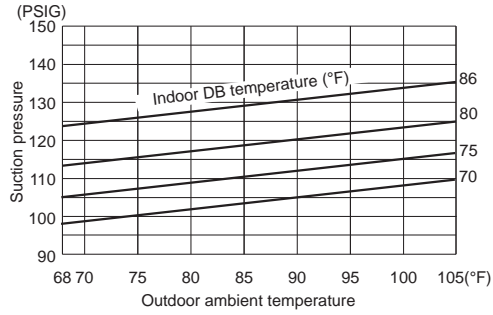
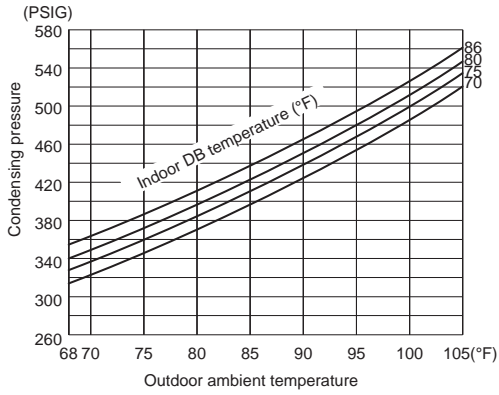
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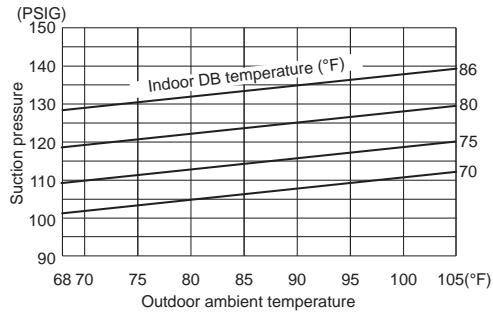
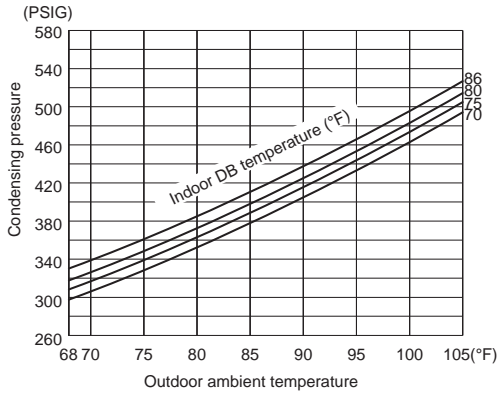
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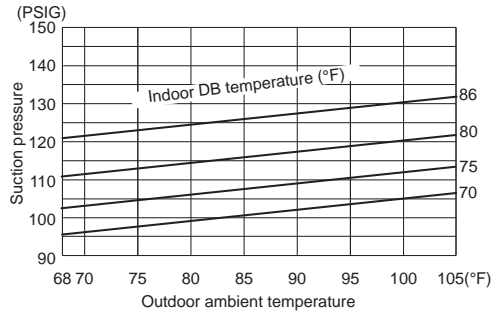
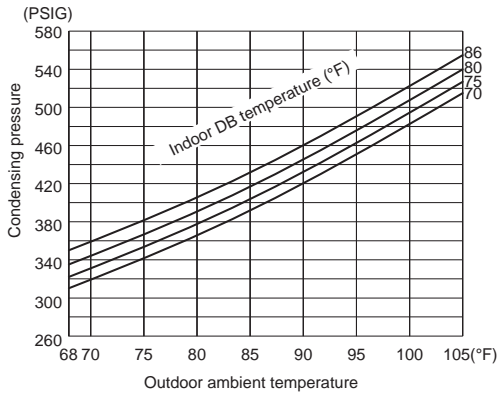
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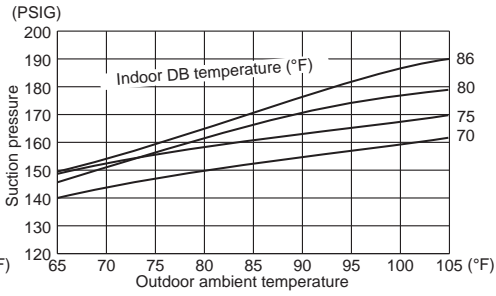
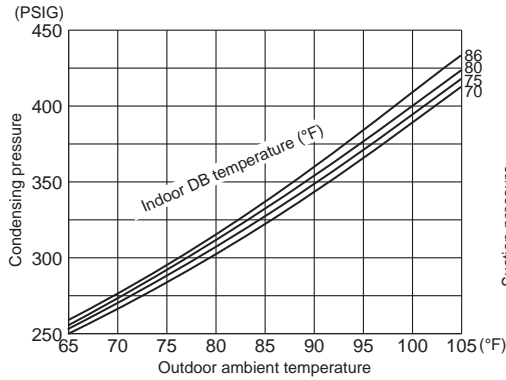
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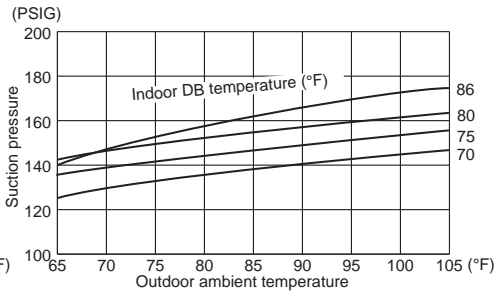
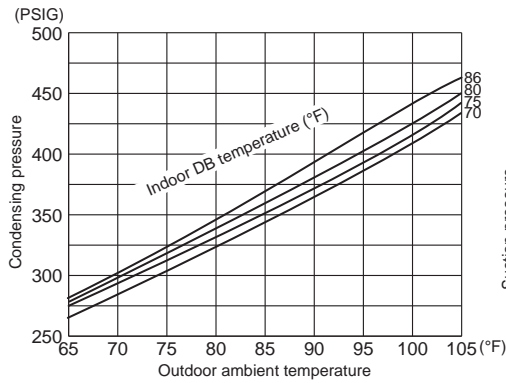
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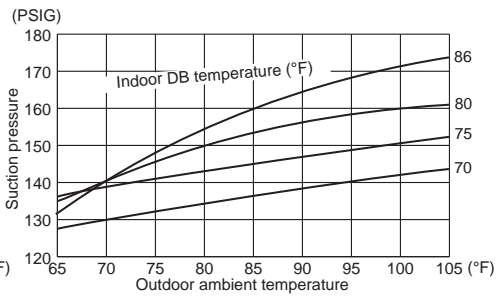
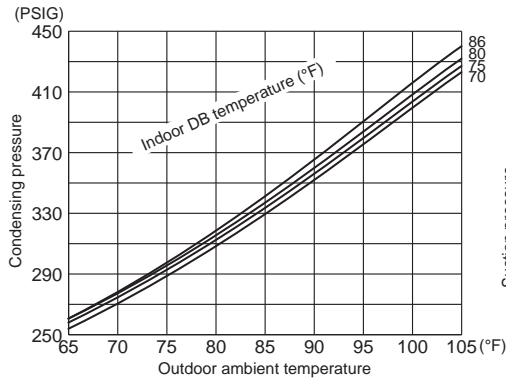
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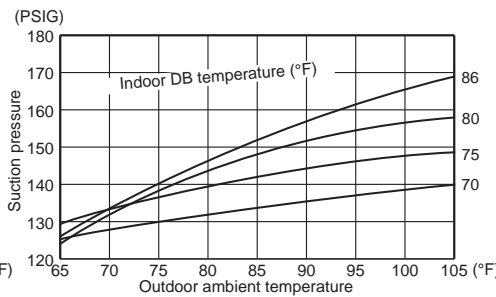
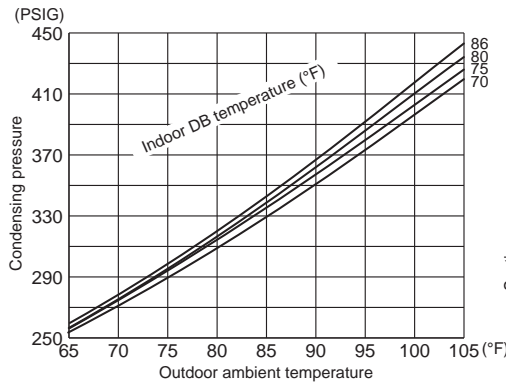
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MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ



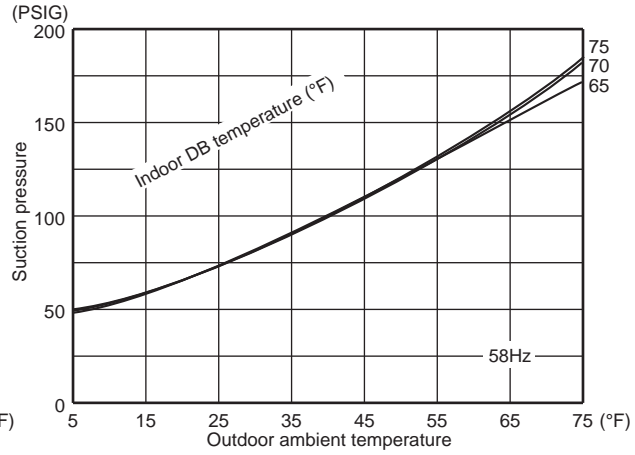
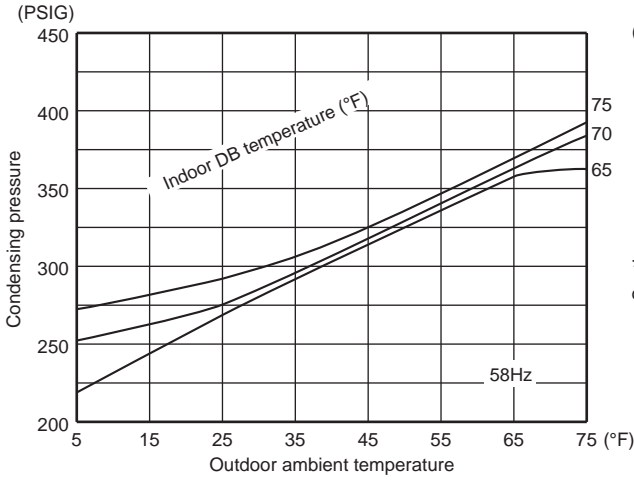
Heating

Data is based on the condition of outdoor humidity 75%.

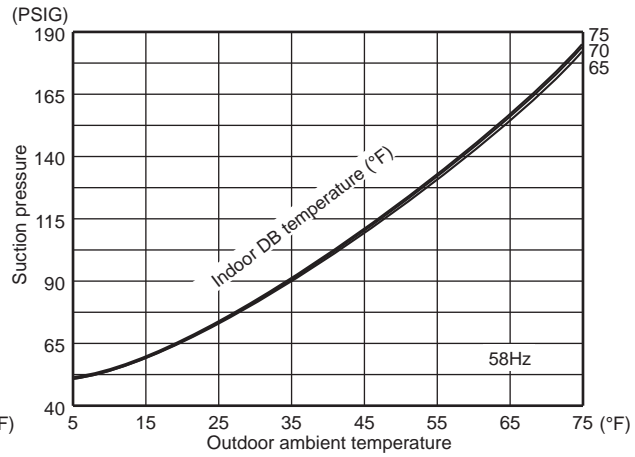
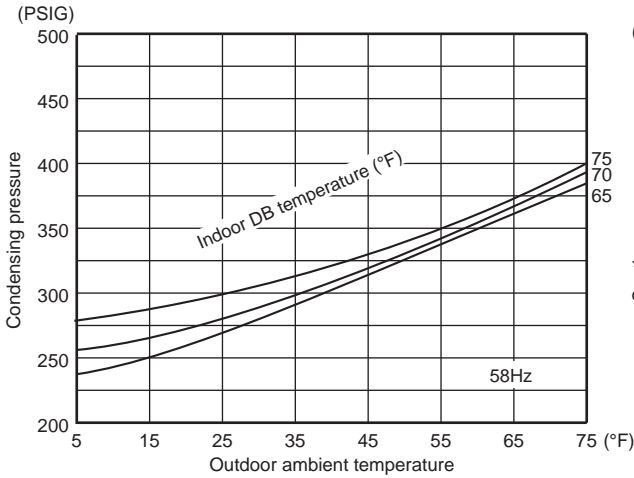
Air flow should be set to High speed.

Data is for heating operation without any frost.

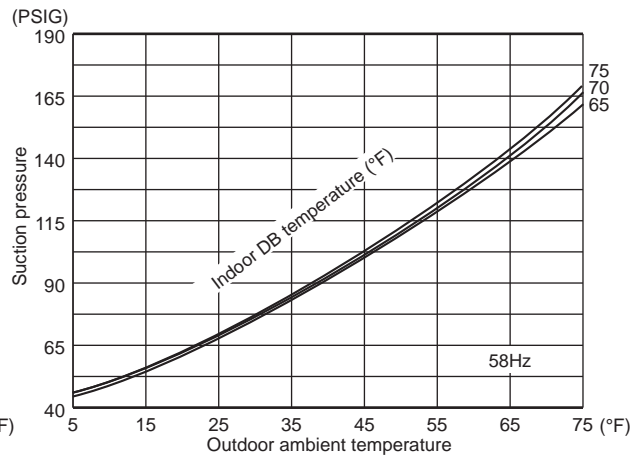
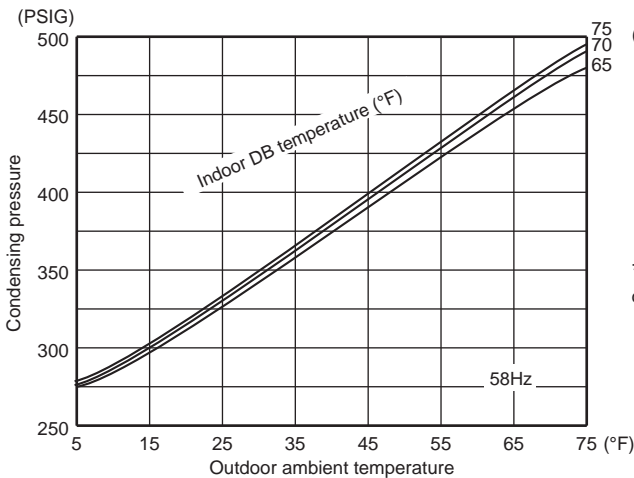
MUZ-GL09NA - [U1] MUZ-GL09NAH - [U1]



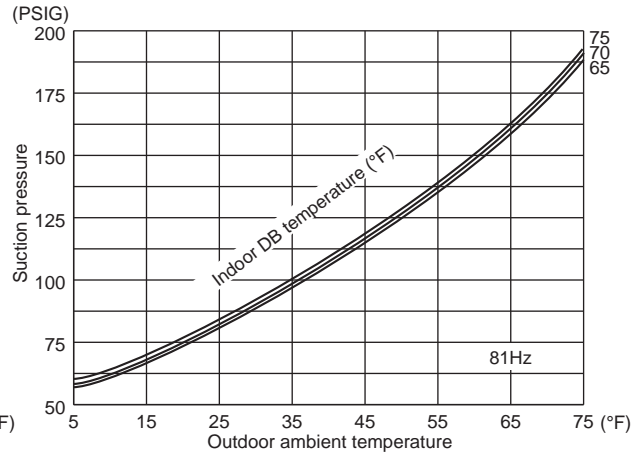
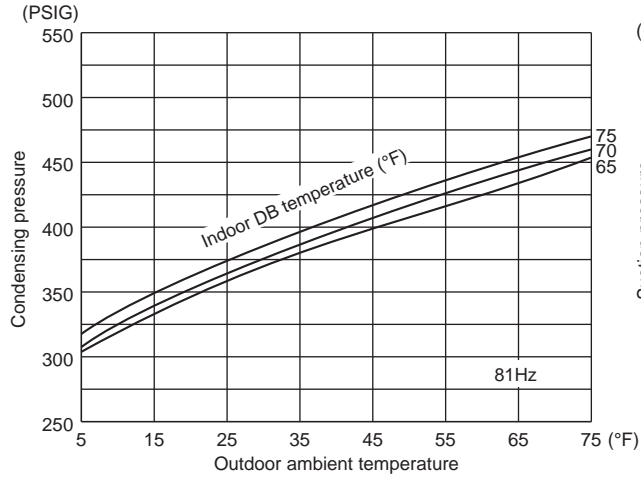
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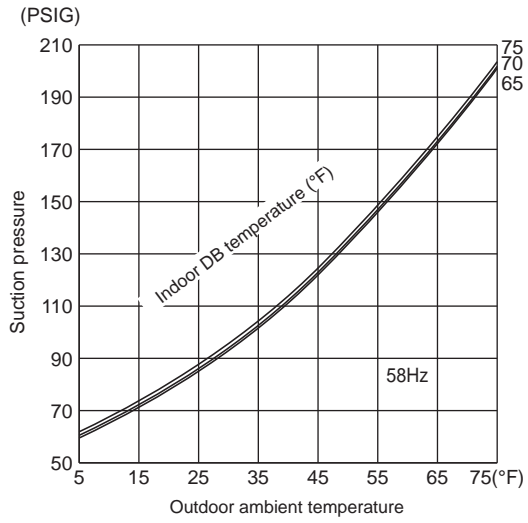
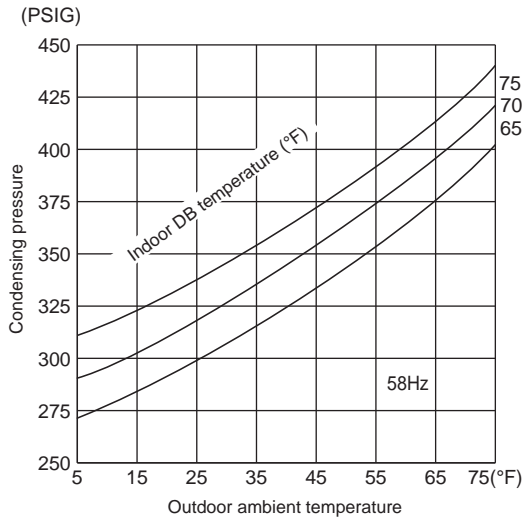
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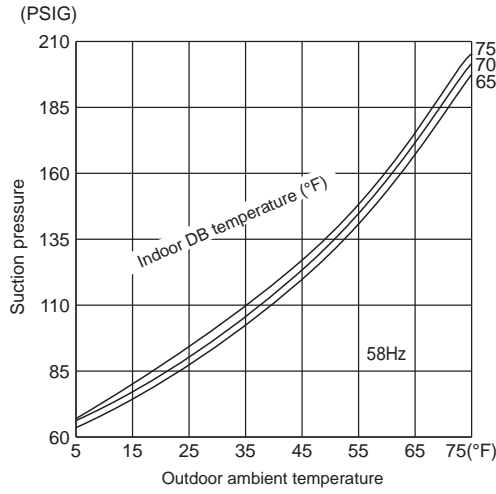
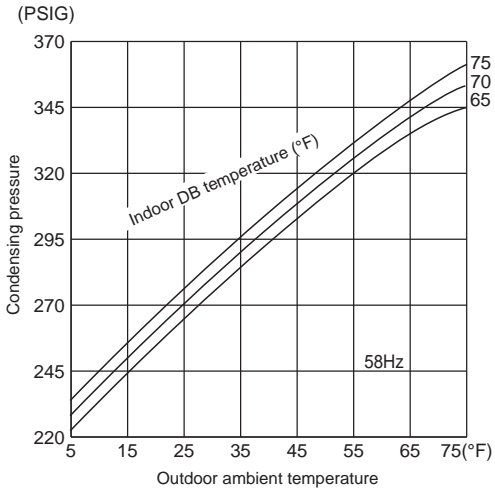
MUZ-GL18NA MUZ-GL18NAH



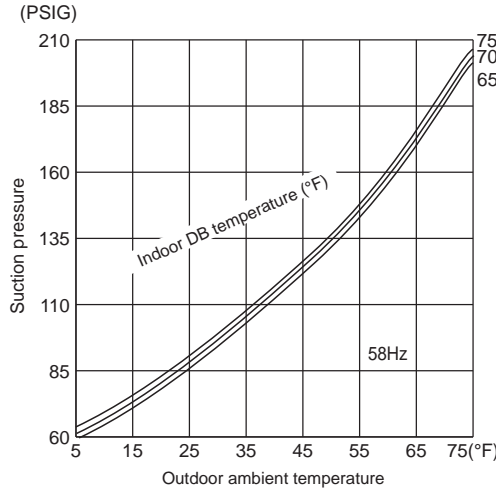
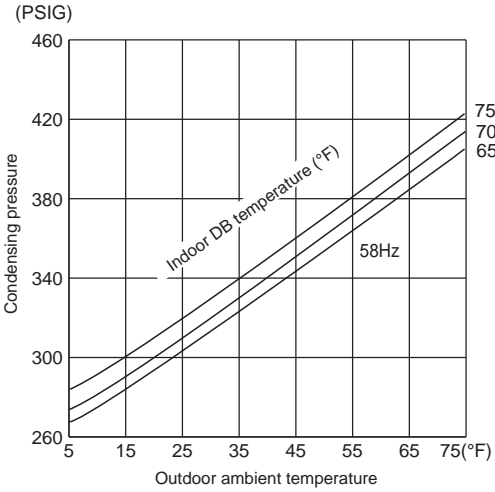
MUZ-GL24NA MUZ-GL24NAH



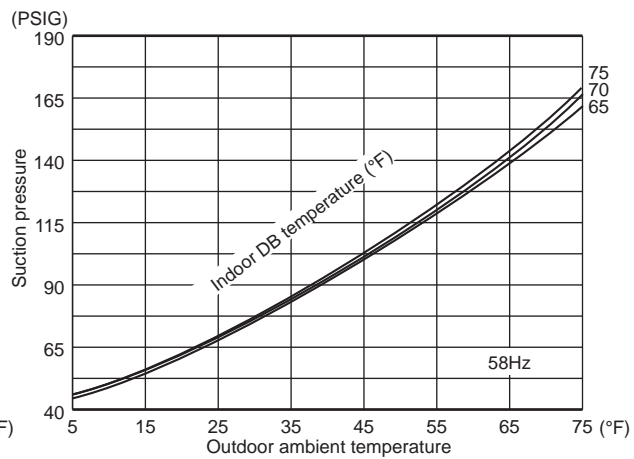
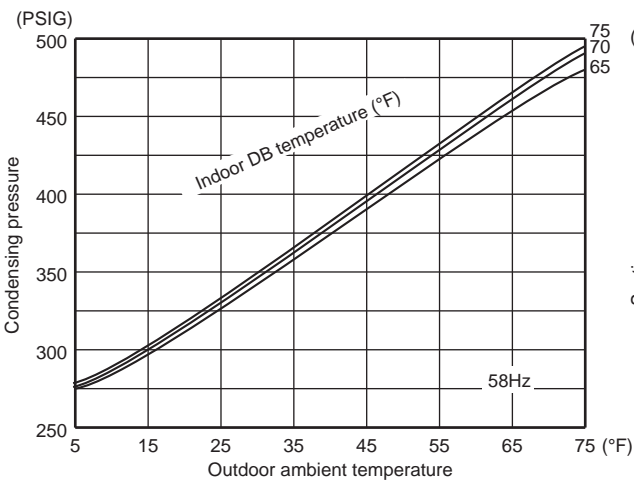
MUZ-HM09NA2 MUZ-HM12NA2 - U1



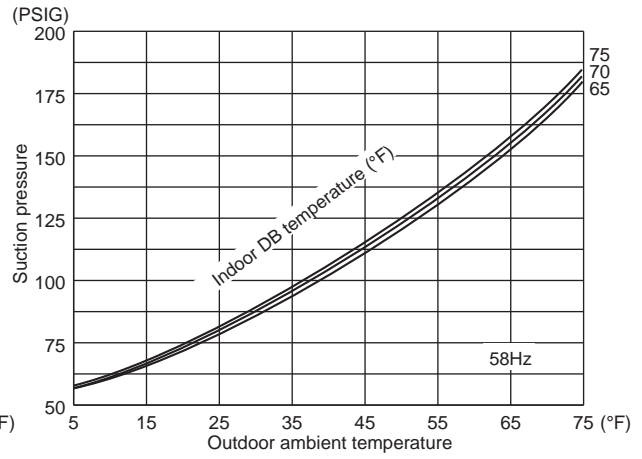
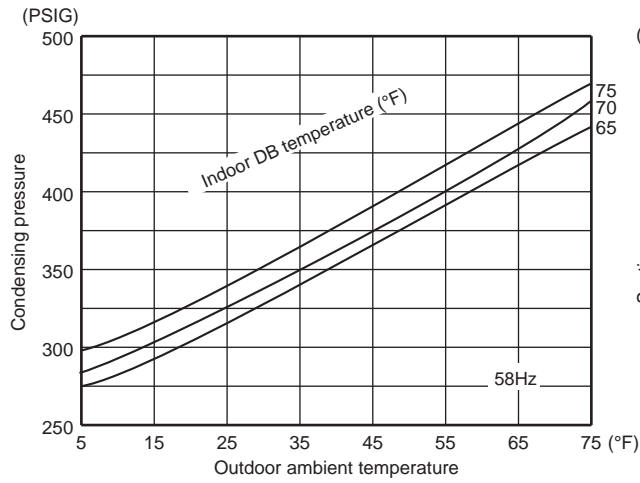
MUZ-HM12NA2 - U8



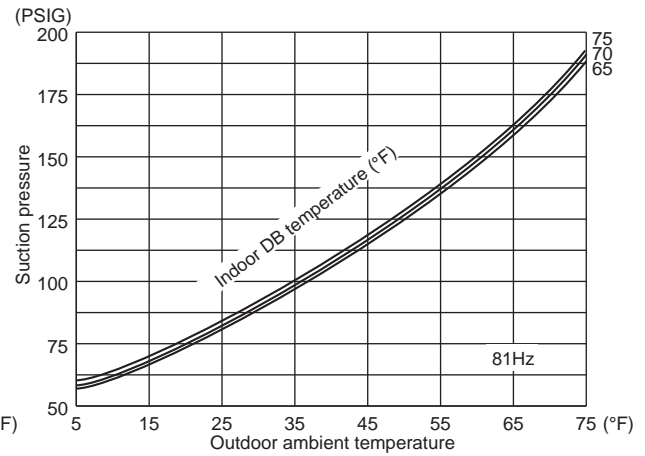
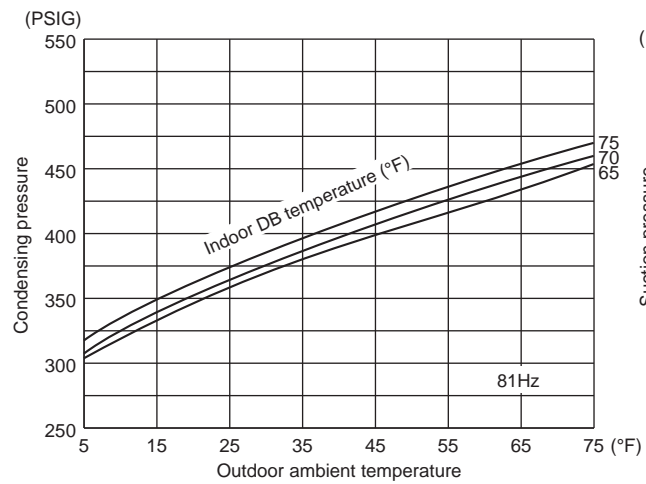
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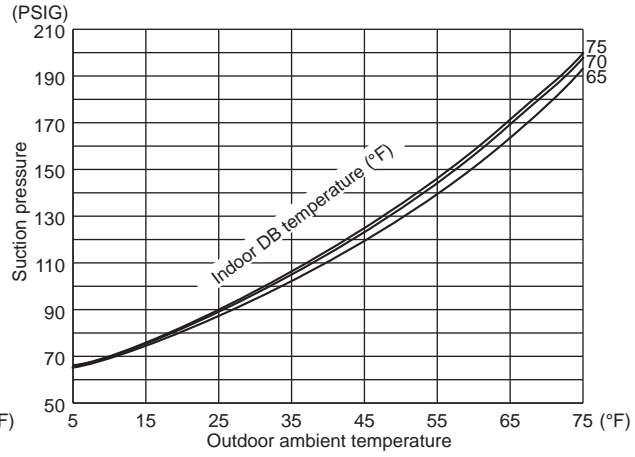
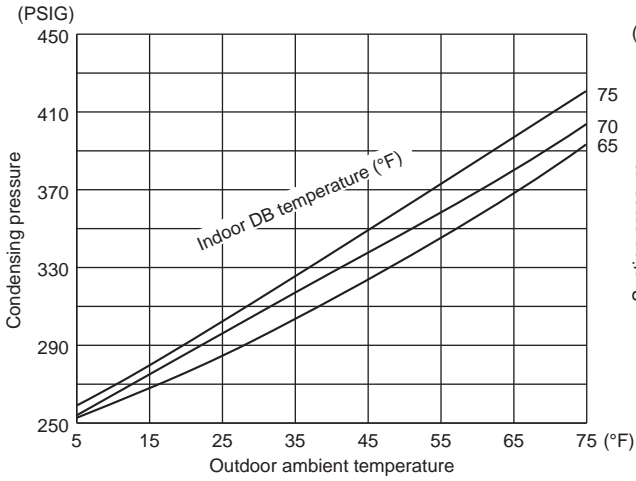
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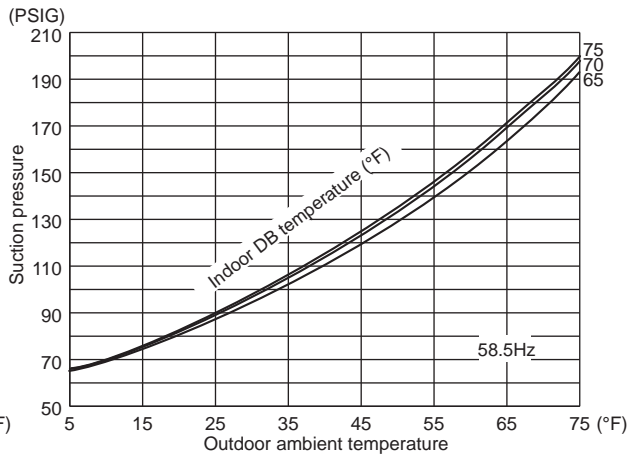
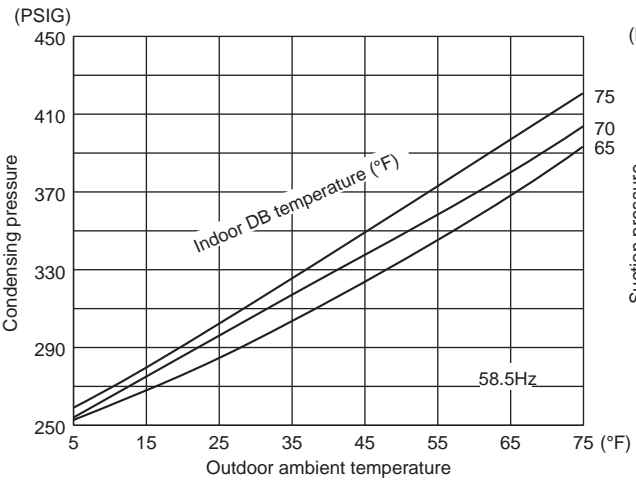
MUZ-HM24NA2



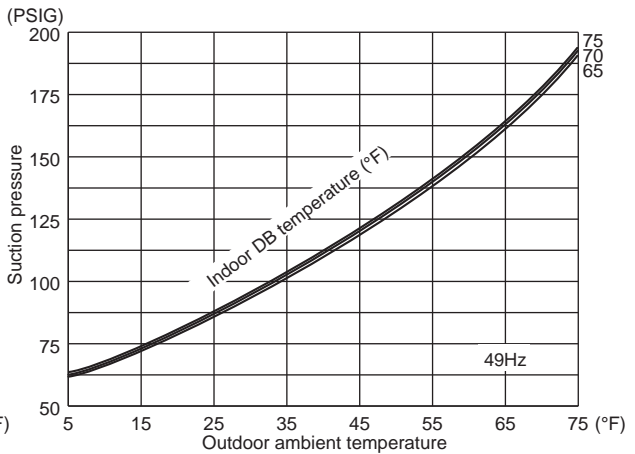
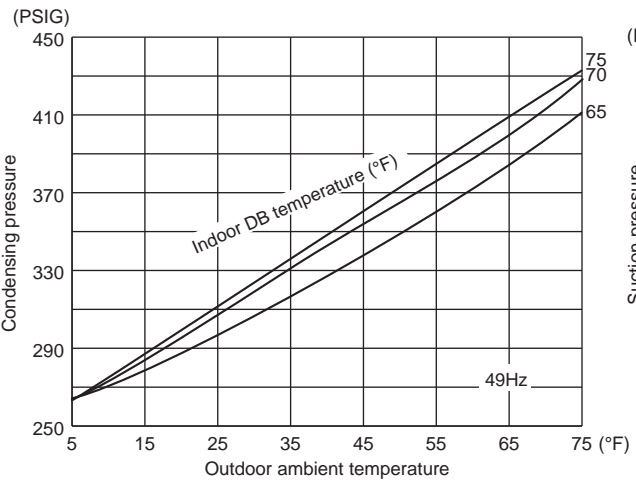
MUZ-FH06NA MUZ-FH06NAH



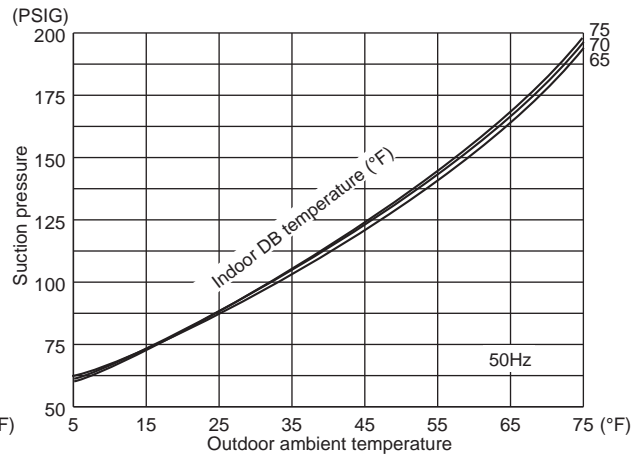
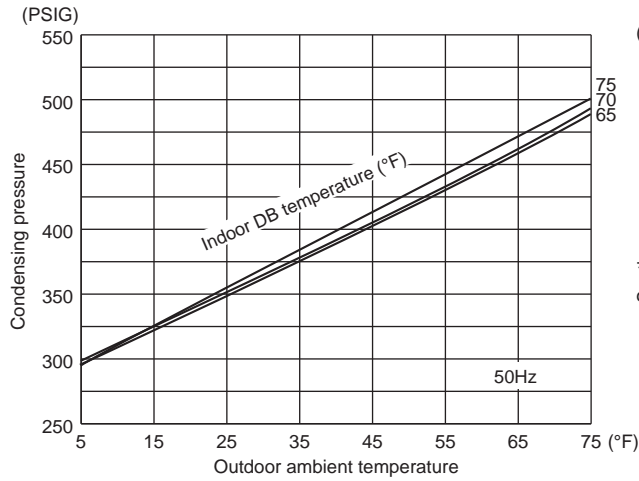
MUZ-FH09NA MUZ-FH09NAH



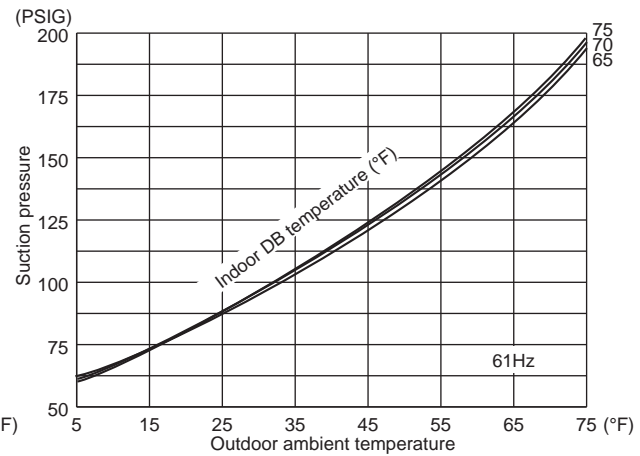
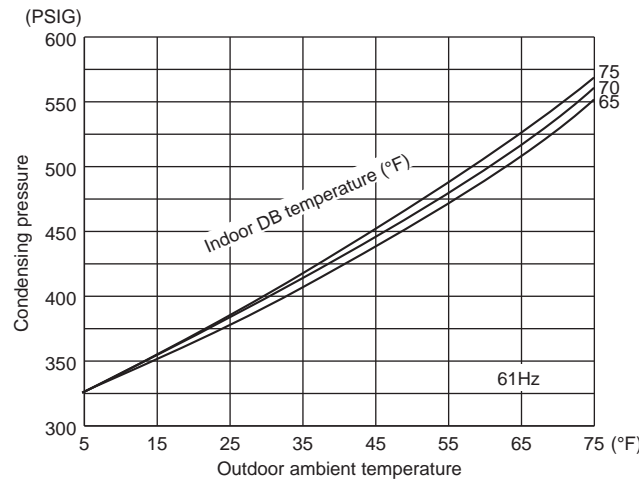
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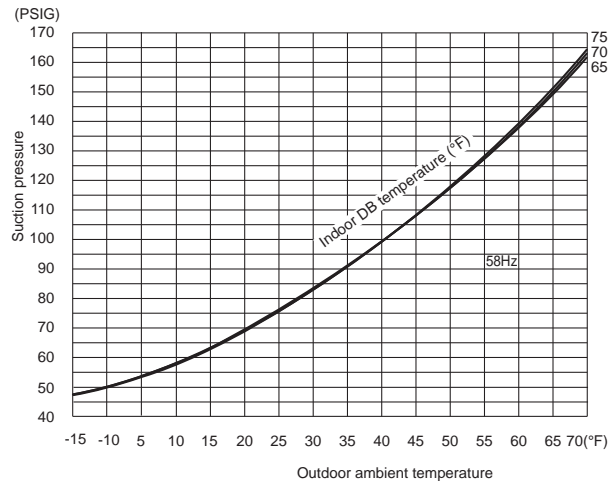
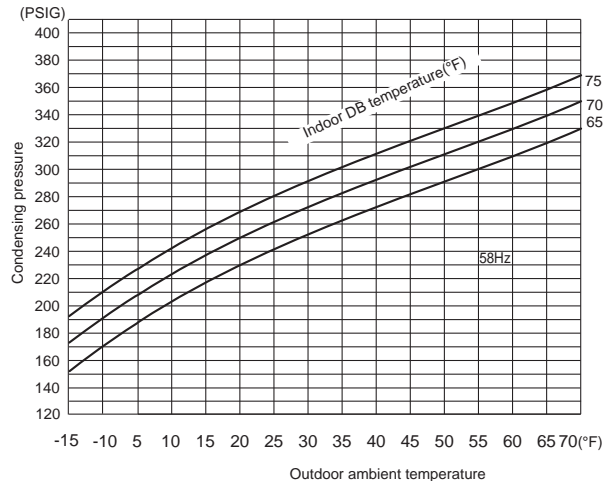
MUZ-FH15NA MUZ-FH15NAH



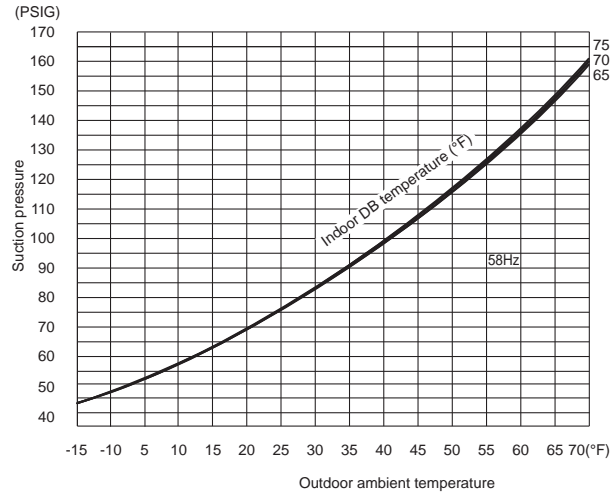
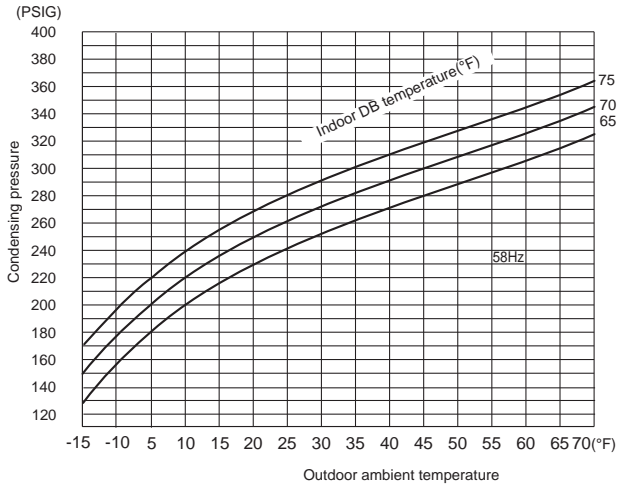
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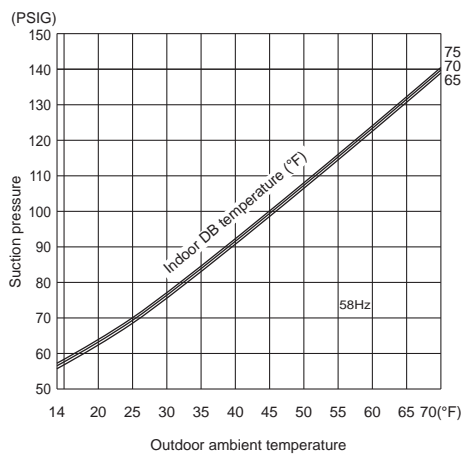
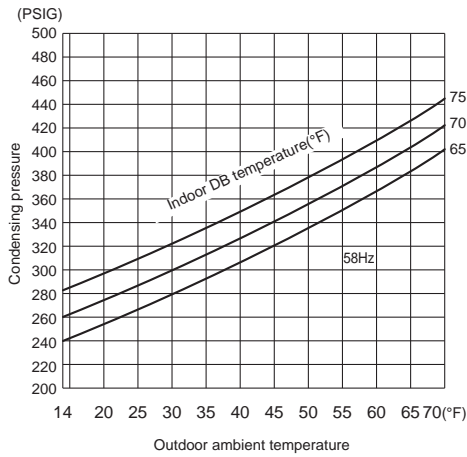
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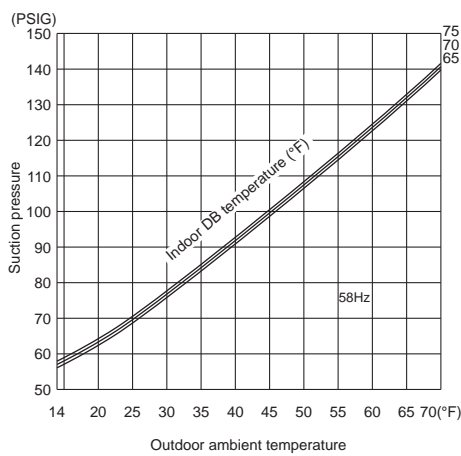
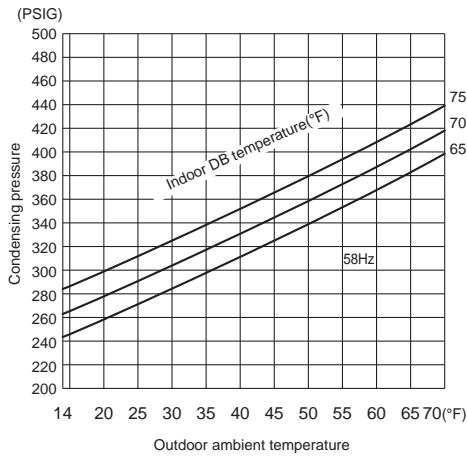
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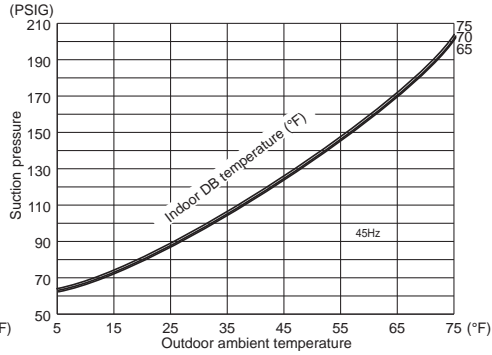
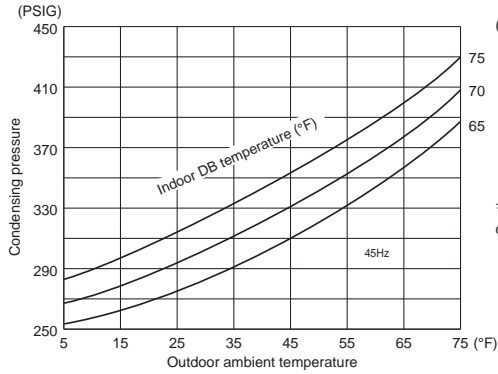
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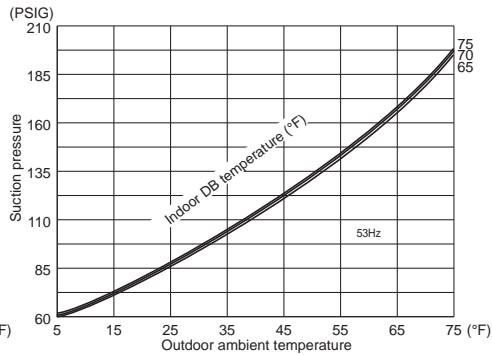
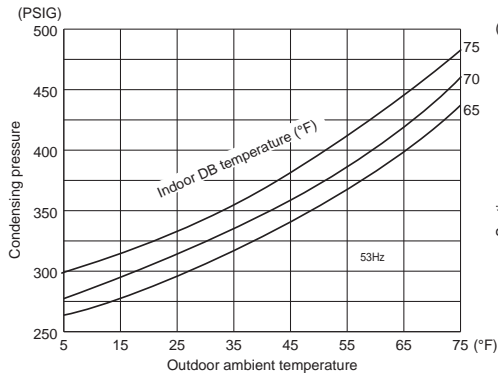
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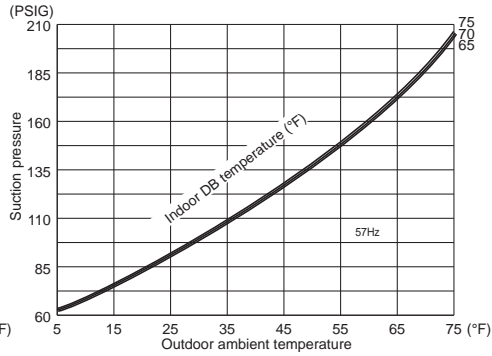
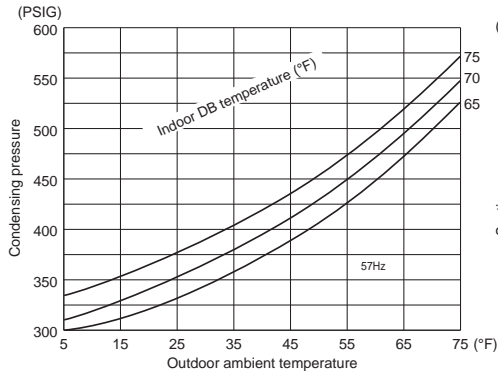
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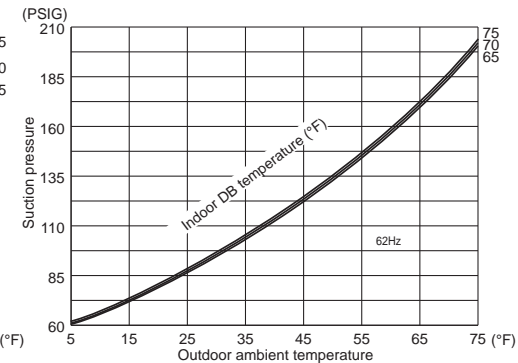
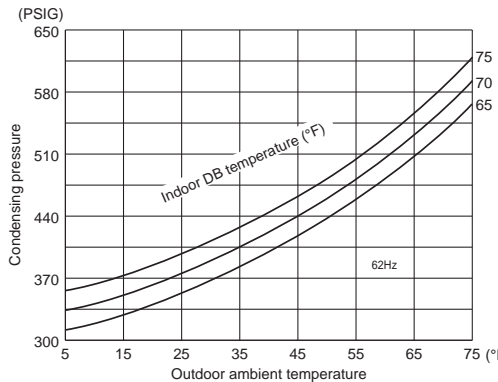
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ



8-4. STANDARD OPERATION DATA

Model			MS-A09WA	MS-A12WA	
Item		Unit	Cooling	Cooling	
Total	Capacity	Btu / h	9500	12000	
	SHF	—	0.68	0.70	
	Input	kW	0.87	1.07	
Electrical circuit	INDOOR UNIT MODEL		MS-A09WA	MS-A12WA	
	Power supply (V, phase, Hz)		115, 1, 60	115, 1, 60	
	Input	kW	0.019	0.035	
	Fan motor current	A	0.27	0.51	
	OUTDOOR UNIT MODEL		MU-A09WA	MU-A12WA	
	Power supply (V, phase, Hz)		115, 1, 60	115, 1, 60	
	Input	kW	0.851	1.035	
	Comp. current	A	6.74	7.96	
	Fan motor current	A	0.63	0.93	
Refrigerant circuit	Condensing pressure	PSIG	372	375	
	Suction pressure	PSIG	144	150	
	Discharge temperature	°F	154	149	
	Condensing temperature	°F	110	111	
	Suction temperature	°F	48	50	
	Comp. shell bottom temp	°F	146	139	
	Ref. pipe length	ft.	25	25	
	Refrigerant charge (R410A)	—	2lb. 5oz.	3lb. 1oz.	
Indoor unit	Intake air temperature	DB	°F	80	80
		WB	°F	67	67
	Discharge air temperature	DB	°F	57	59
		WB	°F	56	58
	Fan speed (High)	rpm	1160	1220	
Airflow (High)	CFM	300 (Wet)	363 (Wet)		
Outdoor unit	Intake air temperature	DB	°F	95	95
		WB	°F	—	—
	Fan speed	rpm	830	830	
	Airflow	CFM	1083	1327	

Model			MSZ-GL09NA - [U1]		MSZ-GL09NA - [U1]		MSY-GL09NA	
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	
Total	Capacity	Btu/h	9,000	10,900	9,000	10,900	9,000	
	SHF	—	0.82	—	0.82	—	0.82	
	Input	kW	0.585	0.72	0.585	0.72	0.585	
	Rated frequency	Hz	59	73	48	59	59.5	
Electrical circuit	Indoor unit		MSZ-GL09NA		MSZ-GL09NA		MSY-GL09NA	
	Power supply	V, phase, Hz	208/230, 1, 60					
	Input	kW	0.022	0.023	0.022	0.023	0.022	
	Fan motor current	A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23	0.24/0.22	
	Outdoor unit		MUZ-GL09NA - [U1] MUZ-GL09NAH - [U1]		MUZ-GL09NA - [U8] MUZ-GL09NAH - [U8]		MUY-GL09NA	
	Power supply	V, phase, Hz	208/230, 1, 60					
	Input	kW	0.563	0.697	0.563	0.697	0.563	
	Comp. current	A	2.67/2.41	3.25/2.94	2.45/2.21	3.05/2.76	2.63/2.37	
	Fan motor current	A	0.36/0.33	0.34/0.31	0.36/0.33	0.34/0.31	0.36/0.33	
	Refrigerant circuit	Condensing pressure	PSIG	357	345	358	349	358
Suction pressure		PSIG	151	107	149	108	149	
Discharge temperature		°F	146	156	148	155	154	
Condensing temperature		°F	108	102	108	104	108	
Suction temperature		°F	61	44	63	44	66	
Comp. shell bottom temperature		°F	144	154	140	144	152	
Ref. pipe length		ft.	25					
Refrigerant charge (R410A)			2 lb 5 oz.		2 lb 9 oz.			
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80
		WB	°F	67	60	67	60	67
	Discharge air temperature	DB	°F	59	99	59	99	59
		WB	°F	56	—	56	—	56
	Fan speed (High)	rpm	1,020	1,040	1,020	1,040	1,020	
Airflow (High)	CFM	367 (Wet)	413	367 (Wet)	413	367 (Wet)		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95
		WB	°F	—	—	—	—	—
	Fan speed	rpm	900	860	900	860	900	
	Airflow	CFM	1,229	1,172	1,229	1,172	1,229	

Model			MSZ-GL12NA MSY-GL12NA		MSZ-GL15NA MSY-GL15NA		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	12,000	14,400	14,000	18,000	
	SHF	—	0.77	—	0.78	—	
	Input	kW	0.920	1.10	1.080	1.60	
	Rated frequency	Hz	70	77	56.5	74	
Electrical circuit	Indoor unit		MSZ-GL12NA MSY-GL12NA		MSZ-GL15NA MSY-GL15NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.022	0.023	0.043	0.030	
	Fan motor current	A	0.24/0.22	0.25/0.23	0.43/0.39	0.34/0.31	
	Outdoor unit		MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA		MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.898	1.077	1.037	1.570	
	Comp. current	A	4.01/3.62	4.86/4.39	4.51/4.08	7.11/6.43	
	Fan motor current	A	0.41/0.37	0.40/0.36	0.41/0.37	0.40/0.36	
	Refrigerant circuit	Condensing pressure	PSIG	380	402	396	427
Suction pressure		PSIG	133	106	138	98	
Discharge temperature		°F	166	167	168	178	
Condensing temperature		°F	112	115	115	120	
Suction temperature		°F	60	35	61	31	
Comp. shell bottom temperature		°F	152	150	152	158	
Ref. pipe length		ft.	25				
Refrigerant charge (R410A)			2 lb 9 oz.				
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	57	110	58	114
		WB	°F	55	—	56	—
	Fan speed (High)	rpm	1,020	1,040	1,280	1,140	
Airflow (High)	CFM	367 (Wet)	413	498 (Wet)	463		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	900	860	910	900	
	Airflow	CFM	1,229	1,172	1,243	1,229	

Model			MSZ-GL18NA MSY-GL18NA		MSZ-GL24NA MSY-GL24NA		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	18,000	21,600	22,500	27,600	
	SHF	—	0.87	—	0.75	—	
	Input	kW	1.34	1.68	1.80	2.34	
	Rated frequency	Hz	69	81	67.5	82.0	
Electrical circuit	Indoor unit		MSZ-GL18NA MSY-GL18NA		MSZ-GL24NA MSY-GL24NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.045		0.058		
	Fan motor current	A	0.46/0.42		0.56/0.51		
	Outdoor unit		MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA		MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	1.295	1.635	1.742	2.282	
	Comp. current	A	5.01/4.53	6.67/6.03	7.01/6.34	9.59/8.67	
	Fan motor current	A	1.05/0.95	1.05/0.95	1.16/1.05	1.13/1.02	
	Refrigerant circuit	Condensing pressure	PSIG	377	391	395	405
Suction pressure		PSIG	144	103	141	102	
Discharge temperature		°F	149	178	158	171	
Condensing temperature		°F	111	111	115	115	
Suction temperature		°F	51	43	52	33	
Comp. shell bottom temperature		°F	134	160	140	148	
Ref. pipe length		ft.	25				
Refrigerant charge (R410A)			3 lb 9 oz.		4 lb 3 oz.		
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	52	111	56	111
		WB	°F	51	—	53	—
	Fan speed (High)	rpm	1,170	1,170	1,300	1,300	
Airflow (High)	CFM	581 (Wet)	646	634 (Wet)	738		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	810	810	840	810	
	Airflow	CFM	1,691	1,691	1,769	1,701	

Model			MSZ-HM09NA - [U1]		MSZ-HM09NA - [U1]		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	9,000	10,900	9,000	10,900	
	SHF	—	0.82	—	0.82	—	
	Input	kW	0.750	0.900	0.750	0.900	
	Rated frequency	Hz	59.5	79.0	59.5	77.5	
Electrical circuit	Indoor unit		MSZ-HM09NA		MSZ-HM09NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.022	0.023	0.022	0.023	
	Fan motor current	A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23	
	Outdoor unit		MUZ-HM09NA2 - [U1]		MUZ-HM09NA2 - [U8]		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.728	0.877	0.728	0.877	
	Comp. current	A	3.64/3.29	4.25/3.85	3.32/3.00	3.66/3.31	
	Fan motor current	A	0.27/0.24	0.30/0.27	0.27/0.24	0.30/0.27	
	Refrigerant circuit	Condensing pressure	PSIG	384	331	389	331
Suction pressure		PSIG	152	102	151	103	
Discharge temperature		°F	151	155	154	152	
Condensing temperature		°F	113	101	115	103	
Suction temperature		°F	58	41	59	39	
Comp. shell bottom temperature		°F	146	149	151	149	
Ref. pipe length		ft.	25				
Refrigerant charge (R410A)			1 lb. 12 oz.				
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	60	97	60	97
		WB	°F	58	—	58	—
	Fan speed (High)	rpm	1,020	1,040	1,020	1,040	
Airflow (High)	CFM	367 (Wet)	413	367 (Wet)	413		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	800	850	800	850	
	Airflow	CFM	1151	1225	1151	1225	

Model			MSZ-HM12NA - [U1]		MSZ-HM12NA - [U1]		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	12,000	12,200	12,000	14,400	
	SHF	—	0.77	—	0.77	—	
	Input	kW	1.210	0.990	1.210	0.990	
	Rated frequency	Hz	89.0	90.0	69.0	77.0	
Electrical circuit	Indoor unit		MSZ-HM12NA		MSZ-HM12NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.022	0.023	0.022	0.023	
	Fan motor current	A	0.24/0.22	0.25/0.23	0.24/0.22	0.25/0.23	
	Outdoor unit		MUZ-HM12NA2 - [U1]		MUZ-HM12NA2 - [U8]		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	1.188	0.967	1.188	0.967	
	Comp. current	A	5.61/5.08	4.56/4.13	4.39/3.97	5.41/4.89	
	Fan motor current	A	0.27/0.24	0.30/0.27	0.34/0.31	0.31/0.28	
	Refrigerant circuit	Condensing pressure	PSIG	429	347	389	397
Suction pressure		PSIG	135	99	133	104	
Discharge temperature		°F	180	165	163	162	
Condensing temperature		°F	120	104	115	116	
Suction temperature		°F	60	41	56	35	
Comp. shell bottom temperature		°F	174	157	158	158	
Ref. pipe length		ft.	25				
Refrigerant charge (R410A)			1 lb. 12 oz.		2 lb. 9 oz.		
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	56	108	56	108
		WB	°F	55	—	55	—
	Fan speed (High)	rpm	1,020	1,040	1,020	1,040	
Airflow (High)	CFM	367 (Wet)	413	367 (Wet)	413		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	800	850	900	860	
	Airflow	CFM	1151	1225	1229	1172	

Model			MSZ-HM15NA		MSZ-HM18NA		MSZ-HM24NA		
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	14,000	18,000	17,200	18,000	22,500	26,000	
	SHF	—	0.78	—	0.86	—	0.89	—	
	Input	kW	1.17	1.60	1.64	1.59	2.63	2.5	
	Rated frequency	Hz	56.5	74	68	74	98	108	
Indoor unit			MSZ-HM15NA		MSZ-HM18NA		MSZ-HM24NA		
Power supply		V, phase, Hz	208/230, 1, 60						
Input		kW	0.043	0.030	0.042	0.042	0.055		
Fan motor current		A	0.43/0.39	0.34/0.31	0.44/0.40	0.44/0.40	0.55/0.50		
Outdoor unit			MUZ-HM15NA2		MUZ-HM18NA2		MUZ-HM24NA2		
Power supply		V, phase, Hz	208/230, 1, 60						
Input		kW	1.127	1.570	1.598	1.548	2.575	2.445	
Comp. current		A	4.91/4.44	7.11/6.43	7.22/6.53	7.11/6.43	11.11/10.05	10.56/9.55	
Fan motor current		A	0.41/0.37	0.40/0.36	0.41/0.37	0.40/0.36	1.05/0.95	1.05/0.95	
Refrigerant circuit	Condensing pressure		PSIG	396	427	423	361	404	403
	Suction pressure		PSIG	138	98	144	99	127	94
	Discharge temperature		°F	168	178	165	161	174	194
	Condensing temperature		°F	115	120	120	108	116	116
	Suction temperature		°F	61	31	54	35	54	44
	Comp. shell bottom temperature		°F	152	158	149	143	173	192
	Ref. pipe length		ft.	25					
	Refrigerant charge (R410A)			2 lb. 9 oz.		2 lb. 10 oz.		3 lb 9 oz.	
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80	70
		WB	°F	67	60	67	60	67	60
	Discharge air temperature	DB	°F	58	114	58	114	57	108
		WB	°F	56	—	56	—	56	—
	Fan speed (High)		rpm	1,280	1,140	1,140	1,140	1,250	1,250
Airflow (High)		CFM	498 (Wet)	463	562 (Wet)	625	632 (Wet)	702	
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95	47
		WB	°F	—	43	—	43	—	43
	Fan speed		rpm	910	900	910	900	810	810
	Airflow		CFM	1,243	1,229	1,243	1,229	1,691	1,691

Model			MSZ-FH06NA		MSZ-FH09NA		MSZ-FH12NA		MSZ-FH15NA		MSZ-FH18NA2		
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	6,000	8,700	9,000	10,900	12,000	13,600	15,000	18,000	17,200	20,300	
	SHF	—	0.96	—	0.92	—	0.83	—	0.70	—	0.69	—	
	Input	kW	0.315	0.545	0.560	0.710	0.870	0.950	1.200	1.300	1.375	1.72	
	Rated frequency	Hz	28	50	47	58.5	46	49	50.5	50	57.0	61	
Electrical circuit	Indoor unit		MSZ-FH06NA		MSZ-FH09NA		MSZ-FH12NA		MSZ-FH15NA		MSZ-FH18NA2		
	Power supply	V, phase, Hz	208/230, 1, 60										
	Input	kW	0.029		0.029		0.029		0.031		0.033		
	Fan motor current	A	0.30/0.27		0.30/0.27		0.30/0.27		0.31/0.28		0.34/0.31		
	Outdoor unit		MUZ-FH06NA MUZ-FH06NAH		MUZ-FH09NA MUZ-FH09NAH		MUZ-FH12NA MUZ-FH12NAH		MUZ-FH15NA MUZ-FH15NAH		MUZ-FH18NA2 MUZ-FH18NAH2		
	Power supply	V, phase, Hz	208/230, 1, 60										
	Input	kW	0.243	0.475	0.531	0.681	0.841	0.921	1.169	1.269	1.342	1.687	
	Comp. current	A	1.22/1.10	2.23/2.02	2.32/2.10	3.01/2.72	3.60/3.26	4.06/3.67	4.46/4.03	4.87/4.40	5.53/5.00	7.04/6.37	
	Fan motor current	A	0.36/0.33	0.34/0.31	0.36/0.33	0.34/0.31	0.41/0.37	0.40/0.36	1.21/1.09	1.24/1.12	1.21/1.09	1.24/1.12	
	Refrigerant circuit	Condensing pressure	PSIG	332	297	352	323	374	340	361	391	367	445
Suction pressure		PSIG	174	112	153	110	135	106	131	108	128	107	
Discharge temperature		°F	136	140	148	145	156	148	152	170	164	189	
Condensing temperature		°F	104	96	107	101	112	105	109	115	109	123	
Suction temperature		°F	69	44	64	41	56	36	52	45	59	34	
Comp. shell bottom temperature		°F	120	120	129	125	137	128	135	147	154	167	
Ref. pipe length		ft.	25										
Refrigerant charge (R410A)			2 lb. 9 oz.					3 lb 7 oz.					
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80	70	80	70	80	70
		WB	°F	67	60	67	60	67	60	67	60	67	60
	Discharge air temperature	DB	°F	64	94	58	99	56	101	52	111	52	119
		WB	°F	60	—	55	—	54	—	51	—	51	—
	Fan speed (High)	rpm	1,150	1,280	1,150	1,280	1,190	1,320	1,220	1,420	1,330	1,460	
Airflow (High)	CFM	328 (Wet)	437	328 (Wet)	437	342 (Wet)	454	354 (Wet)	497	395 (Wet)	514		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95	47	95	47	95	47
		WB	°F	—	43	—	43	—	43	—	43	—	43
	Fan speed	rpm	810	900	810	900	810	900	840	810	840	810	
	Airflow	CFM	1,074	1,202	1,074	1,202	1,074	1,202	1,692	1,634	1,692	1,634	

Model		MSZ-FE09NA		MSZ-FE12NA			
Item	Unit	Cooling	Heating	Cooling	Heating		
Total	Capacity	Btu/h	9,000	10,900	12,000	13,600	
	SHF	—	0.76	—	0.73	—	
	Input	kW	0.580	0.710	0.930	0.950	
	Rated frequency	Hz	34	42	51	52.5	
Electrical circuit	Indoor unit		MSZ-FE09NA		MSZ-FE12NA		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.018	0.024	0.024	0.030	
	Fan motor current	A	0.19/0.17	0.25/0.23	0.25/0.23	0.32/0.29	
	Outdoor unit		MUZ-FE09NAH		MUZ-FE12NAH		
	Power supply	V, phase, Hz	208/230, 1, 60				
	Input	kW	0.562	0.686	0.906	0.920	
	Comp. current	A	2.38/2.15	2.98/2.70	4.05/3.66	4.12/3.72	
	Fan motor current	A	0.35/0.32				
	Refrigerant circuit	Condensing pressure	PSIG	376	355	402	392
Suction pressure		PSIG	154	108	148	104	
Discharge temperature		°F	142	145	160	158	
Condensing temperature		°F	112	108	117	115	
Suction temperature		°F	53	36	53	34	
Comp. shell bottom temperature		°F	144	128	146	129	
Ref. pipe length		ft.	25				
Refrigerant charge (R410A)			2 lb. 9 oz.				
Indoor unit	Intake air temperature	DB	°F	80	70	80	70
		WB	°F	67	60	67	60
	Discharge air temperature	DB	°F	59	99	58	101
		WB	°F	56	—	55	—
	Fan speed (High)	rpm	1,020	1,120	1,120	1,220	
Airflow (High)	CFM	307 (Wet)	381	350 (Wet)	420		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	—	43	—	43
	Fan speed	rpm	810	870	810	870	
	Airflow	CFM	1,102	1,187	1,102	1,187	

Model			MSZ-D30NA		MSZ-D36NA		MSY-D30NA	MSY-D36NA	
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	Cooling	
Total	Capacity	Btu/h	30,700	32,600	32,000/33,200	35,200	30,700	33,200/34,000	
	SHF	—	0.64	—	0.62	—	0.64	0.62	
	Input	kW	3.85	3.36	4.14/4.36	3.84	3.38	4.21/4.24	
	Rated frequency	Hz	84	84	91	91	79	92	
Electrical circuit	Indoor unit		MSZ-D30NA		MSZ-D36NA		MSY-D30NA	MSY-D36NA	
	Power supply	V, phase, Hz	208/230 , 1 , 60						
	Input	kW	0.058						
	Fan motor current	A	0.45/0.42						
	Outdoor unit		MUZ-D30NA		MUZ-D36NA		MUY-D30NA	MUY-D36NA	
	Power supply	V, phase, Hz	208/230 , 1 , 60						
	Input	kW	3.792	3.302	4.082/4.302	3.782	3.322	4.152/4.182	
	Comp. current	A	17.25/15.56	14.95/13.46	18.65/17.86	17.25/15.56	15.05/13.56	18.95/17.26	
	Fan motor current	A	0.80/0.72						
	Refrigerant circuit	Condensing pressure	PSIG	468	404	480	420	453	475
Suction pressure		PSIG	126	96	122	94	125	119	
Discharge temperature		°F	186.8	169.7	198.7	168.8	191.3	197.1	
Condensing temperature		°F	126.5	114.3	128.5	117.0	123.8	127.4	
Suction temperature		°F	45.5	29.8	48.0	29.1	54.7	48.6	
Comp. shell bottom temperature		°F	175.6	156.4	187.0	155.7	177.4	182.7	
Ref. pipe length		ft.	25						
Refrigerant charge (R410A)		—	4 lb. 10 oz.				4 lb.		
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80	80
		WB	°F	67	60	67	60	67	67
	Discharge air temperature	DB	°F	53.9	112.2	53	114.9	53.7	51.7
		WB	°F	53	73.9	52.1	74.6	52.8	50.8
	Fan speed (High)	rpm	1,100						
Airflow (High)	CFM	741 (Wet)	795	738 (Wet)	794	718 (Wet)	710 (Wet)		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95	95
		WB	°F	—	43	—	43	—	—
	Fan speed	rpm	800						
Airflow	CFM	1,941							

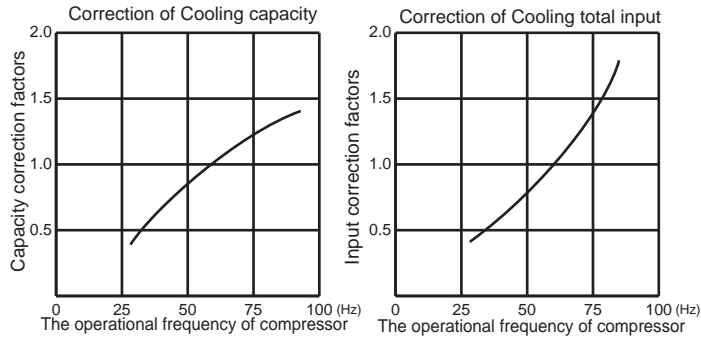
Representative matching			SEZ-KD09NA4		SEZ-KD12NA4		SEZ-KD15NA4		SEZ-KD18NA4		
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Total	Capacity	BTU/h	8,100	10,900	11,500	13,600	14,100	18,000	17,200	21,600	
	SHF	-	0.80	—	0.76	—	0.80	—	0.79	—	
	Input	kW	0.670	1.020	0.920	1.140	1.170	1.500	1.380	1.700	
Electrical circuit	Indoor unit		SEZ-KD09NA4		SEZ-KD12NA4		SEZ-KD15NA4		SEZ-KD18NA4		
	Power supply (V, Phase, Hz)		230, 1, 60								
	Input	kW	0.06	0.04	0.07	0.05	0.09	0.07	0.09	0.07	
	Current	A	0.51	0.39	0.57	0.46	0.74	0.63	0.74	0.63	
	Outdoor unit		SUZ-KA09NA		SUZ-KA12NA		SUZ-KA15NA		SUZ-KA18NA		
	Power supply (V, phase, Hz)		230, 1, 60								
	Input	kW	0.61	0.98	0.85	1.09	1.08	1.43	1.39	1.63	
	Current	A	2.80	4.33	3.64	4.65	4.45	5.96	5.38	6.91	
Refrigerant circuit	Condensing pressure	PSIG	398	448	387	386	399	389	373	397	
	Suction pressure	PSIG	135	97	135	104	133	96	142	100	
	Discharge temperature	°F	148	170	162	165	159	182	150	172	
	Condensing temperature	°F	116	125	114	114	116	115	112	116	
	Suction temperature	°F	49	33	55	35	46	41	52	33	
	Ref. pipe length	ft.	25								
	Refrigerant charge (R410A)	-	1 lb. 16 oz.		2 lb. 9 oz.				3 lb. 16 oz.		
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80	70	80	70
		WB	°F	67	60	67	60	67	60	67	60
	Discharge air temperature	DB	°F	61	102	58	103	60	102	60	101
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95	47	95	47
		WB	°F	—	43	—	43	—	43	—	43

Representative matching				SLZ-KA09NA		SLZ-KA12NA		SLZ-KA15NA	
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Total	Capacity	BTU/h	8,400	10,900	11,100	13,600	15,000	18,000	
	SHF	-	0.84	—	0.77	—	0.67	—	
	Input	kW	0.700	0.930	0.920	1.180	1.460	1.950	
Electrical circuit	Indoor unit		SLZ-KA09NA		SLZ-KA12NA		SLZ-KA15NA		
	Power supply (V, Phase, Hz)		230, 1, 60						
	Input	kW	0.08	0.08	0.09	0.09	0.09	0.09	
	Current	A	0.35	0.35	0.40	0.40	0.65	0.65	
	Outdoor unit		SUZ-KA09NA		SUZ-KA12NA		SUZ-KA15NA		
	Power supply (V, phase, Hz)		230, 1, 60						
	Input	kW	0.63	0.86	0.84	1.10	1.38	1.87	
	Current	A	3.12	4.02	3.82	4.93	5.98	8.10	
Refrigerant circuit	Condensing pressure	PSIG	401	406	379	418	422	475	
	Suction pressure	PSIG	147	104	139	106	128	98	
	Discharge temperature	°F	154	169	152	173	174	188	
	Condensing temperature	°F	116	117	111	118	118	128	
	Suction temperature	°F	52	34	51	36	51	31	
	Ref. pipe length	ft.	25						
	Refrigerant charge (R410A)	-	1 lb. 16 oz.			2 lb. 9 oz.			
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80	70
		WB	°F	67	60	67	60	67	60
	Discharge air temperature	DB	°F	62	97	60	101	57	111
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95	47
		WB	°F	—	43	—	43	—	43

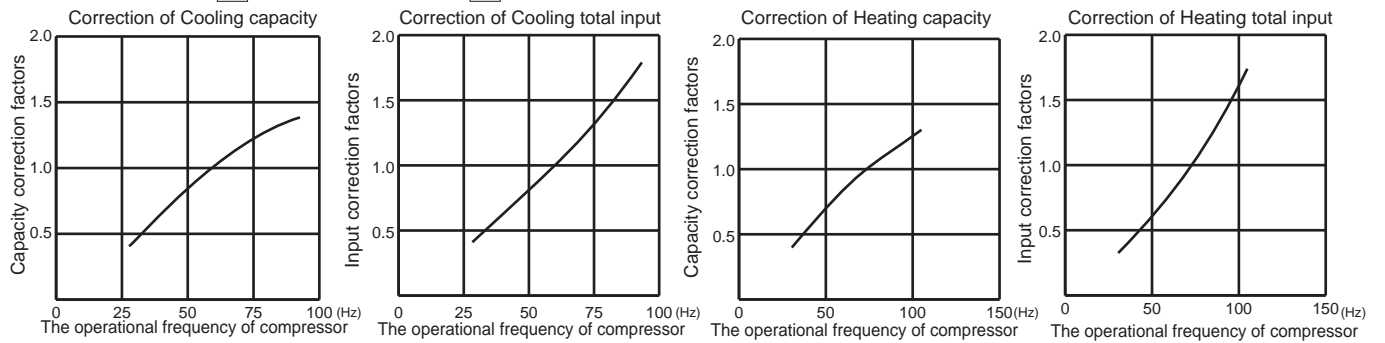
Model			MFZ-KJ09NA		MFZ-KJ12NA		MFZ-KJ15NA		MFZ-KJ18NA		
Item		Unit	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	9,000	11,000	12,000	13,000	15,000	18,000	17,000	21,000	
	SHF	—	0.79	—	0.70	—	0.66	—	0.65	—	
	Input	kW	0.570	0.750	0.890	0.900	1.120	1.140	1.350	1.730	
	Rated frequency	Hz	33	45	46	53	48	57	56	62	
Electrical circuit	Indoor unit		MFZ-KJ09NA		MFZ-KJ12NA		MFZ-KJ15NA		MFZ-KJ18NA		
	Power supply	V, phase, Hz	208/230, 1, 60								
	Input	kW	0.025		0.025		0.027		0.047		
	Fan motor current	A	0.26/0.23		0.26/0.23		0.28/0.35		0.48/0.43		
	Outdoor unit		MUFZ-KJ09NAHZ		MUFZ-KJ12NAHZ		MUFZ-KJ15NAHZ		MUFZ-KJ18NAHZ		
	Power supply	V, phase, Hz	208/230, 1, 60								
	Input	kW	0.545	0.725	0.865	0.875	1.093	1.376	1.303	1.687	
	Comp. current	A	2.21/2.00	3.09/2.79	3.75/3.39	3.81/3.45	4.05/3.63	5.38/4.86	5.05/4.54	6.87/6.22	
	Fan motor current	A	0.41/0.37	0.40/0.36	0.41/0.37	0.40/0.36	1.21/1.09	1.24/1.12	1.21/1.09	1.24/1.12	
	Refrigerant circuit	Condensing pressure	PSIG	377	331	401	360	382	414	388	441
Suction pressure		PSIG	172	126	159	121	158	127	154	124	
Discharge temperature		°F	141	117	150	142	149	166	150	178	
Condensing temperature		°F	109	98	113	104	110	112	111	117	
Suction temperature		°F	60	37	52	36	55	38	51	41	
Comp. shell bottom temperature		°F	131	109	141	132	140	156	143	168	
Ref. pipe length		ft.	25								
Refrigerant charge (R410A)			2 lb. 10oz				3 lb 5 oz.				
Indoor unit	Intake air temperature	DB	°F	80	70	80	70	80	70	80	70
		WB	°F	67	60	67	60	67	60	67	60
	Discharge air temperature	DB	°F	61	95	58	101	56	110	56	115
		WB	°F	60	—	57	—	55	—	55	—
	Fan speed (High)	rpm	1,080	1,080	1,080	1,080	1,110	1,200	1,240	1,200	
Airflow (High)	CFM	354 (Wet)	417	354 (Wet)	417	366 (Wet)	470	417 (Wet)	470		
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47	95	47	95	47
		WB	°F	—	43	—	43	—	43	—	43
	Fan speed	rpm	810	900	810	900	820	860	820	860	
Airflow	CFM	1,074	1,202	1,074	1,202	1,653	1,730	1,653	1,730		

8-5. CAPACITY AND INPUT CORRECTION BY INVERTER OUTPUT FREQUENCY

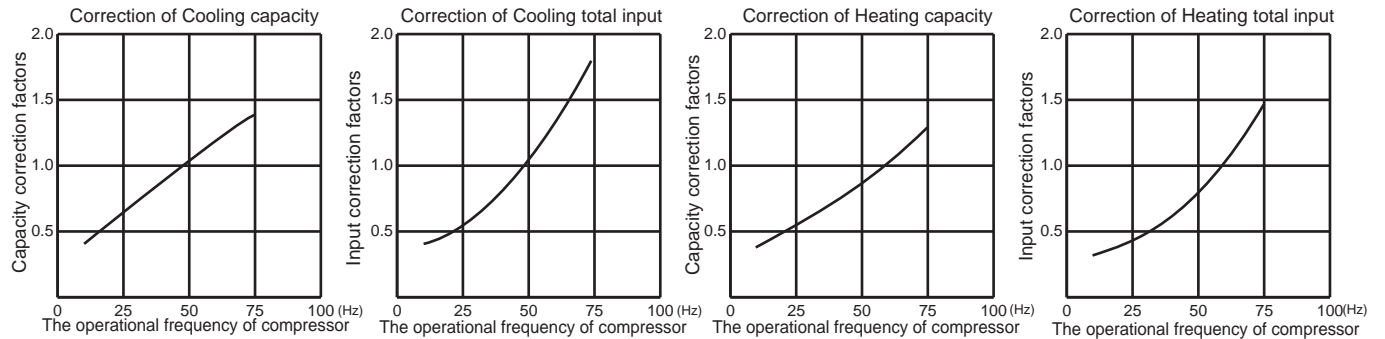
MUY-GL09NA



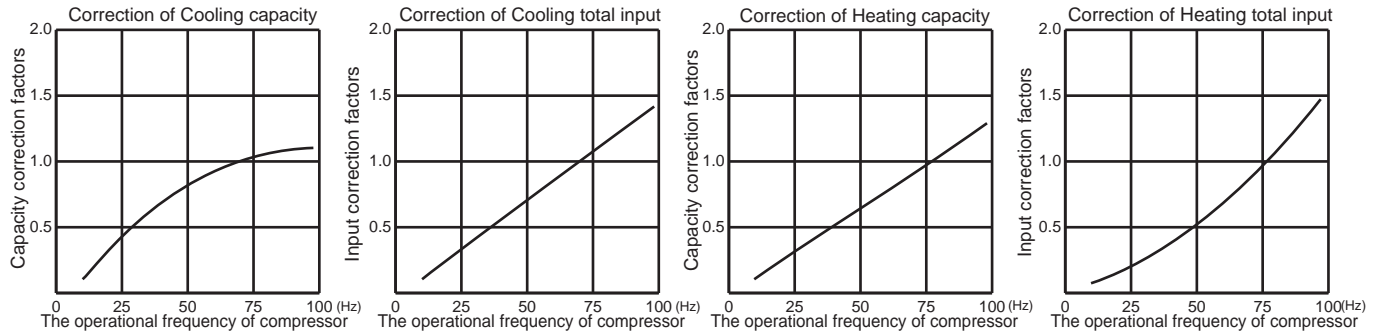
MUZ-GL09NA - U1 MUZ-GL09NAH - U1



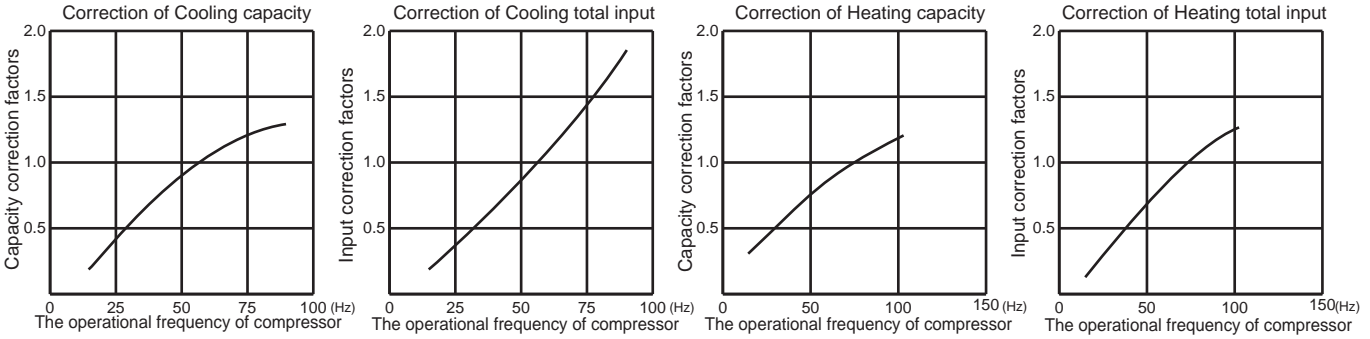
MUZ-GL09NA - U8 MUZ-GL09NAH - U8



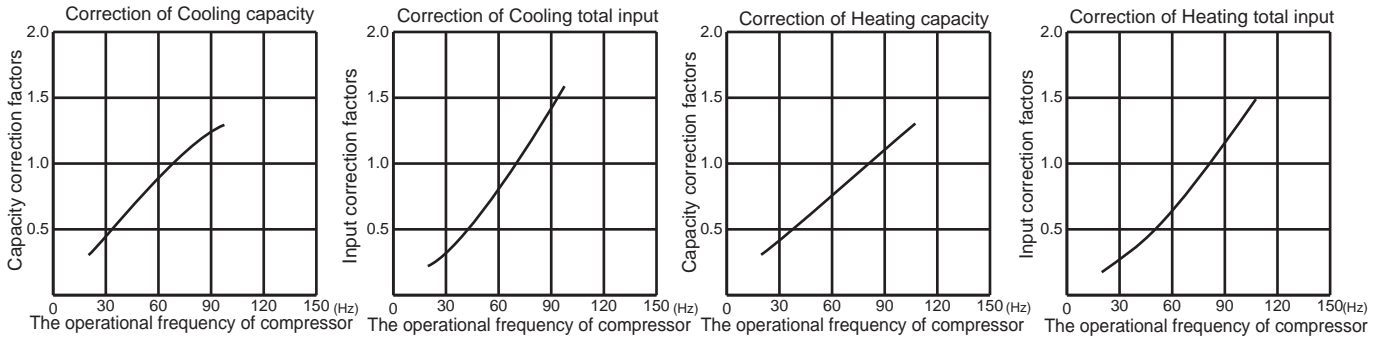
MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA



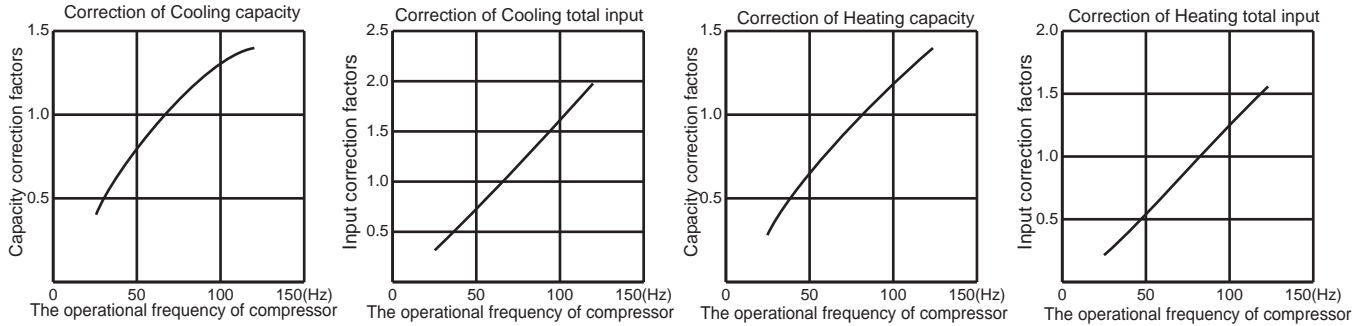
MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA



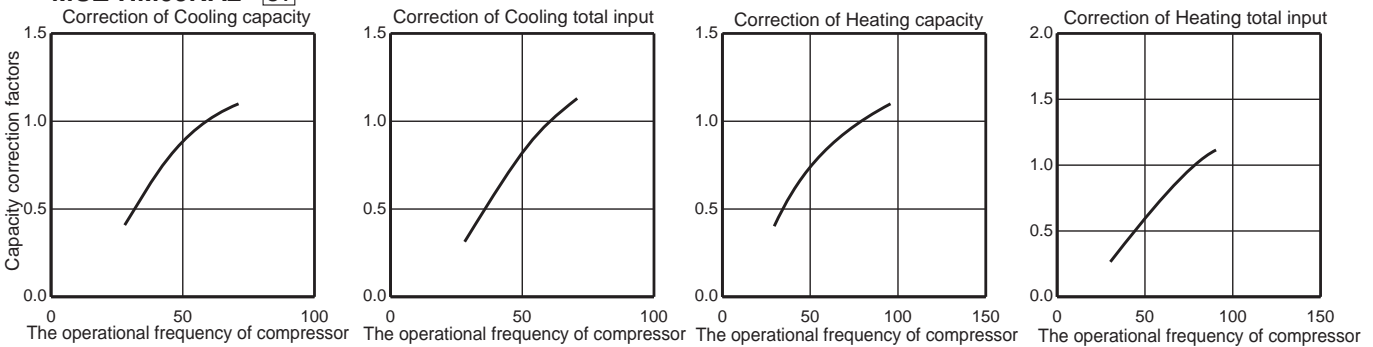
MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA



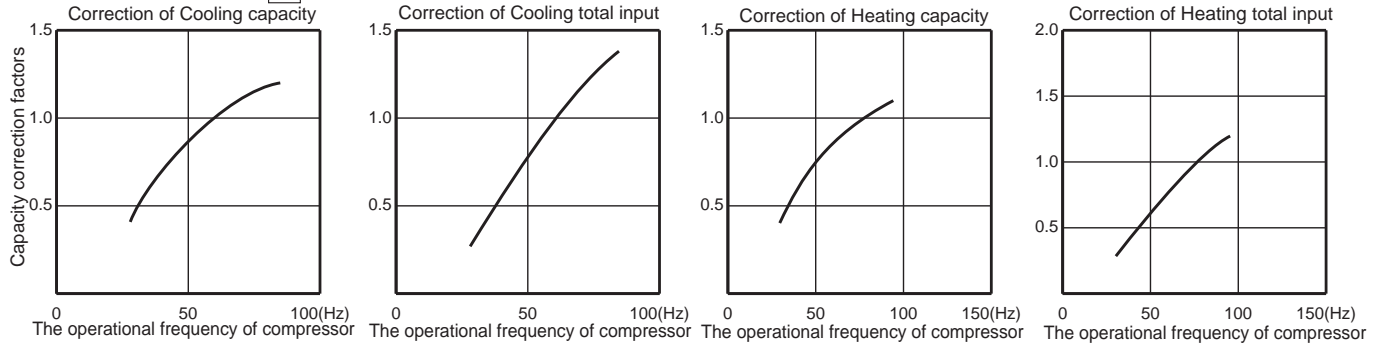
MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA



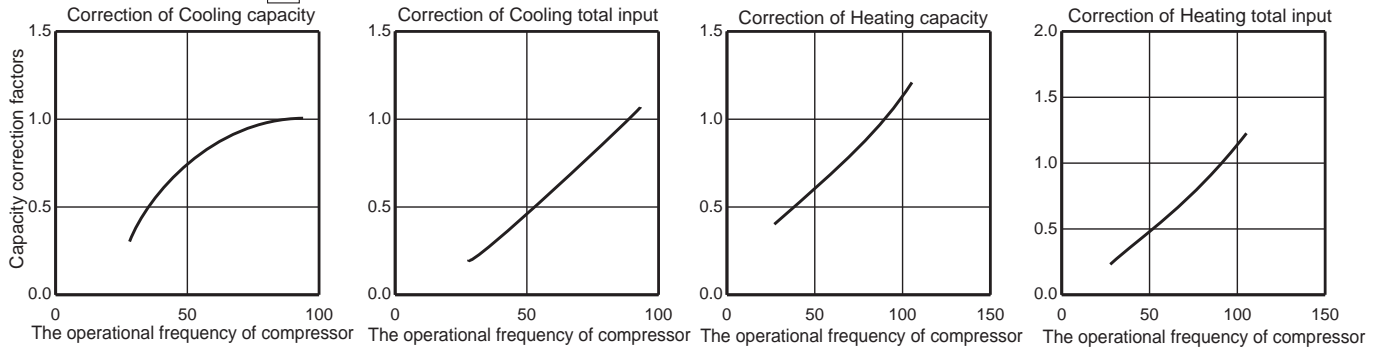
MUZ-HM09NA2 - [U1]



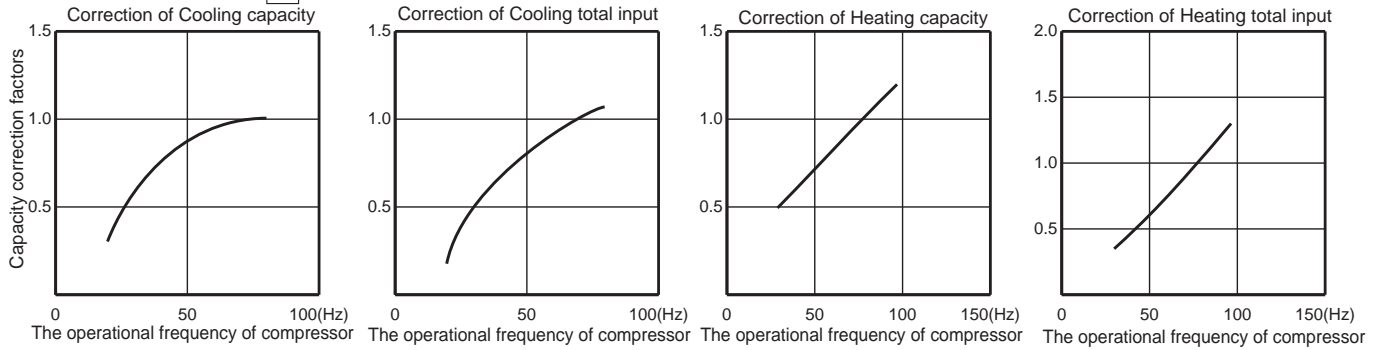
MUZ-HM09NA2 - U8



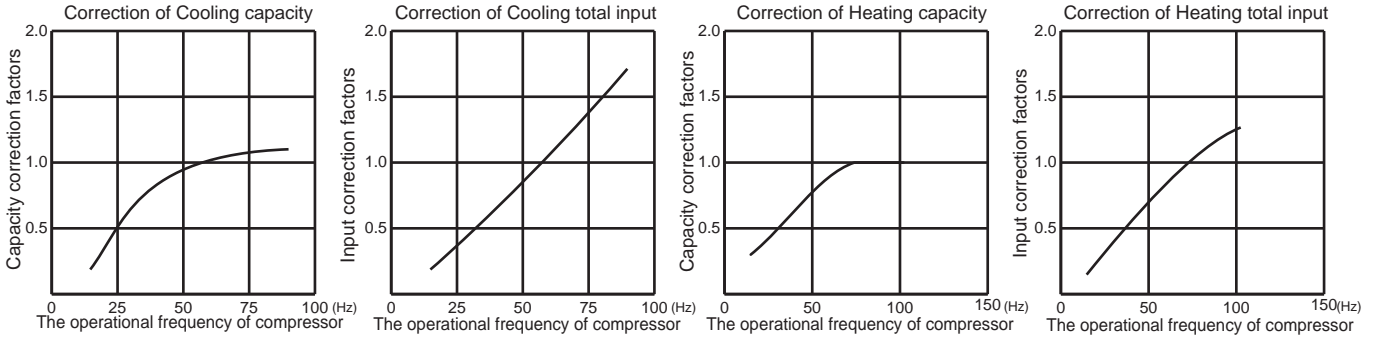
MUZ-HM12NA2 - U1



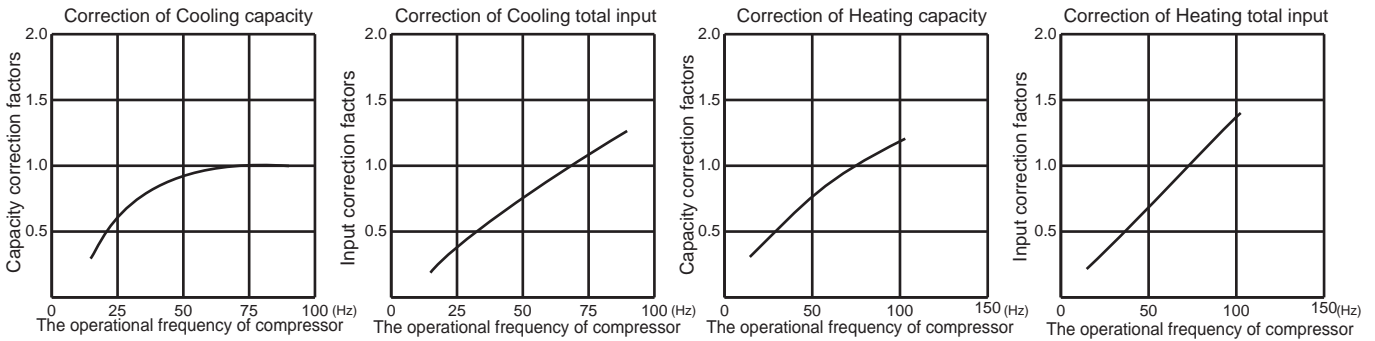
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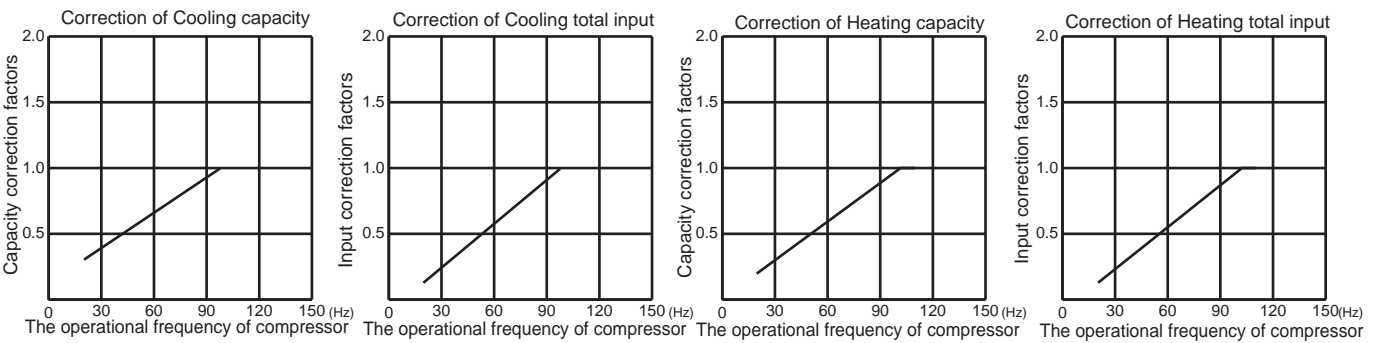
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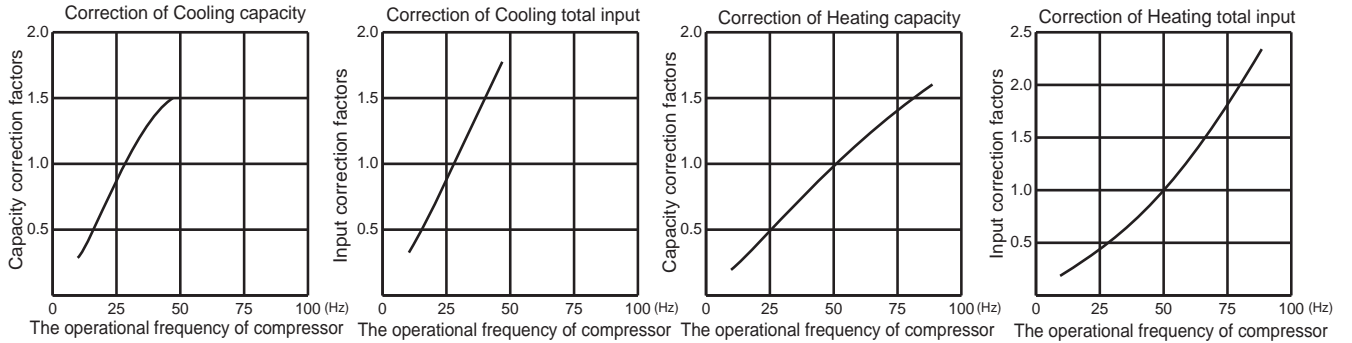
MUZ-HM18NA2



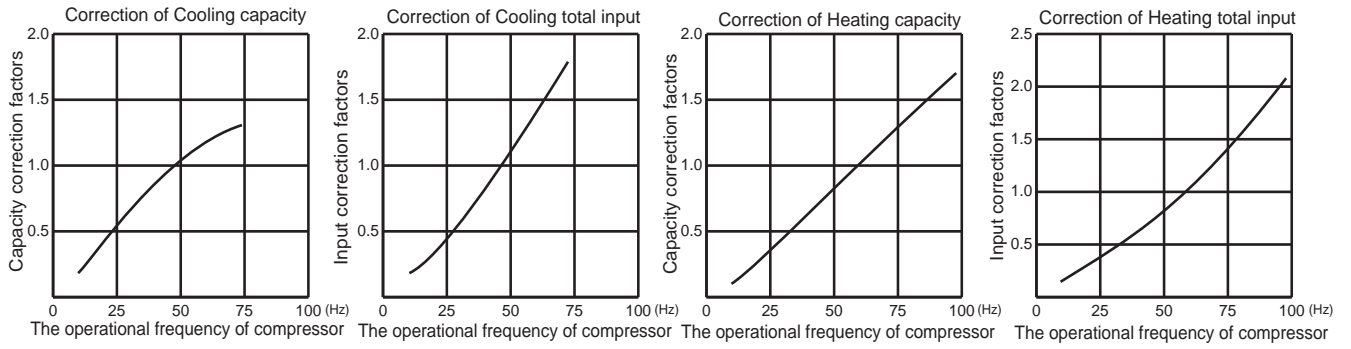
MUZ-HM24NA2



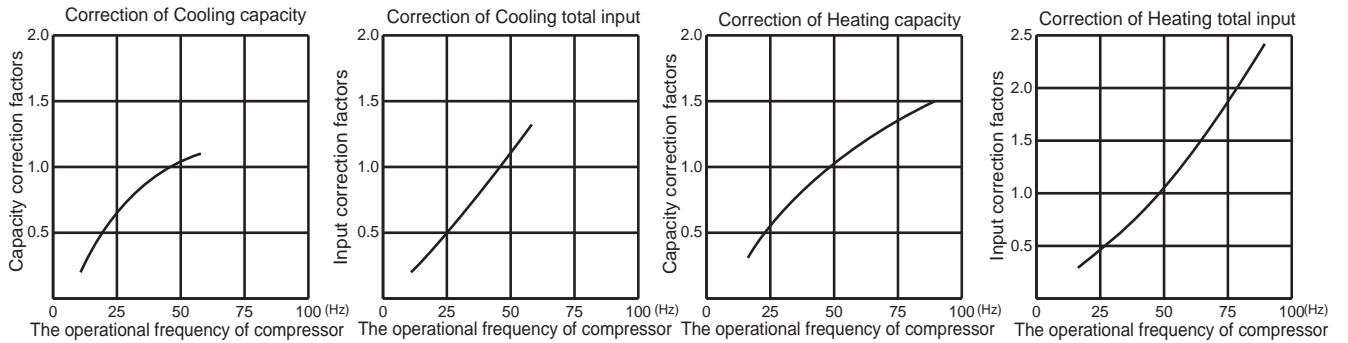
MUZ-FH06NA MUZ-FH06NAH



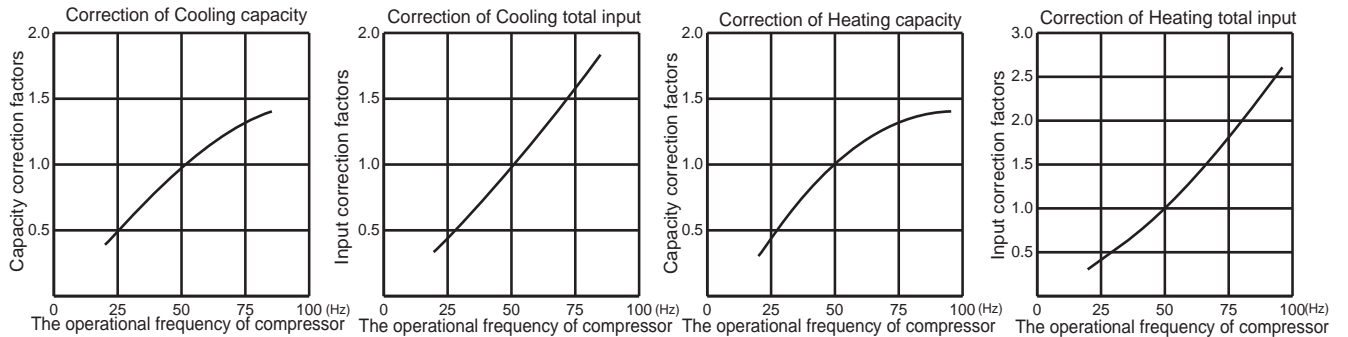
MUZ-FH09NA MUZ-FH09NAH



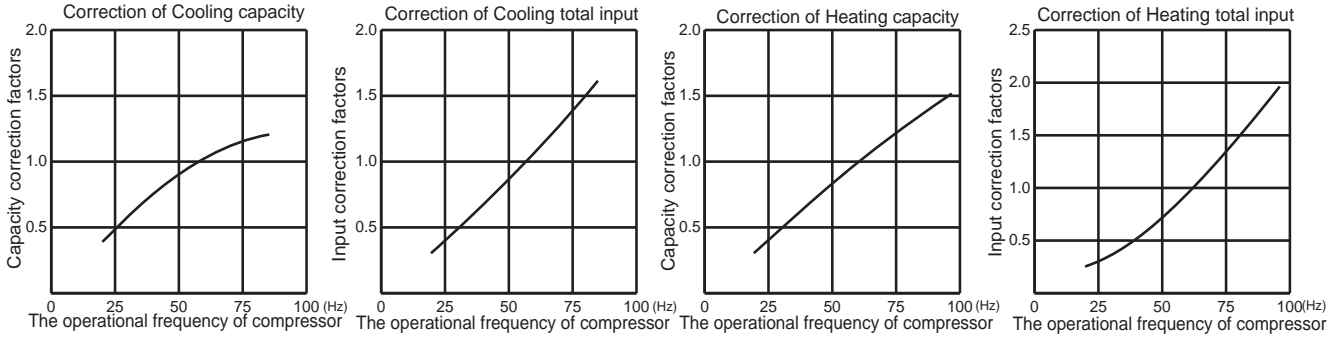
MUZ-FH12NA MUZ-FH12NAH



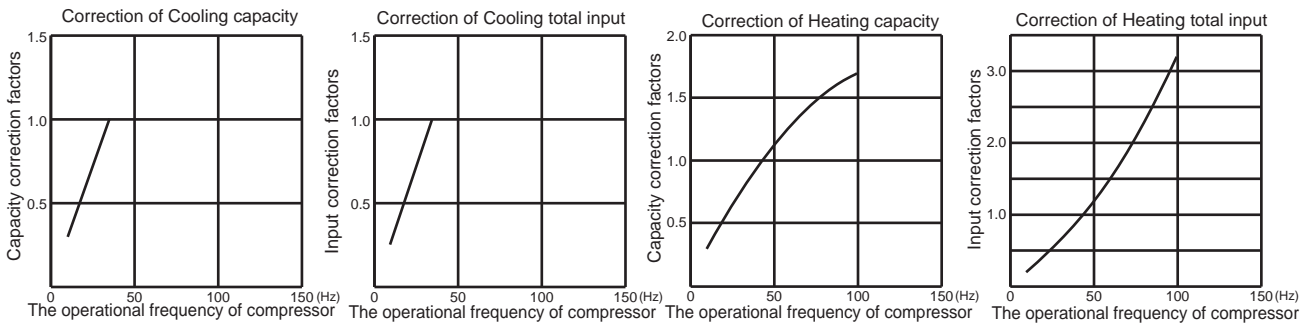
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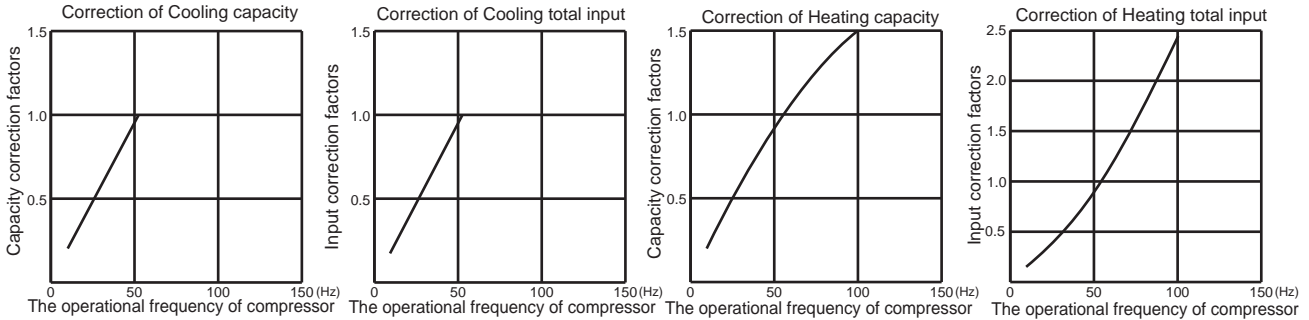
MUZ-FH18NA2 MUZ-FH18NAH2



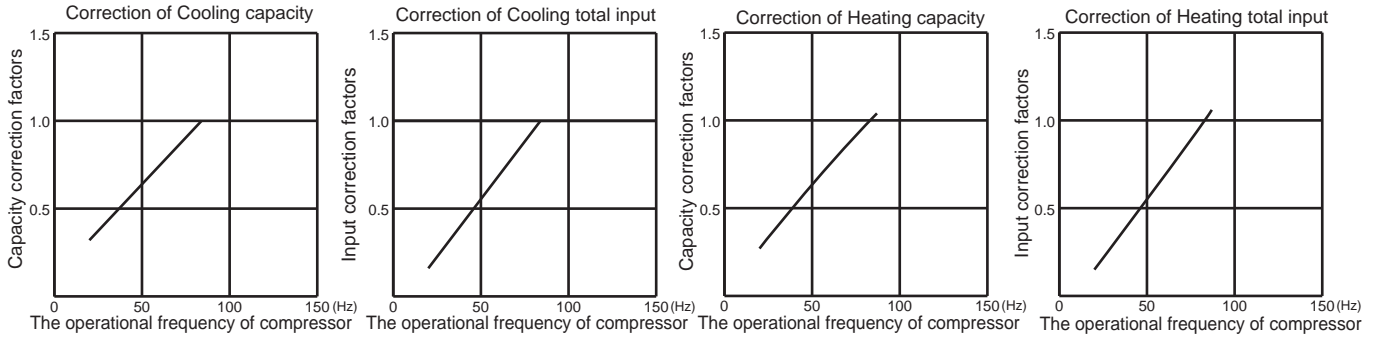
MUZ-FE09NAH



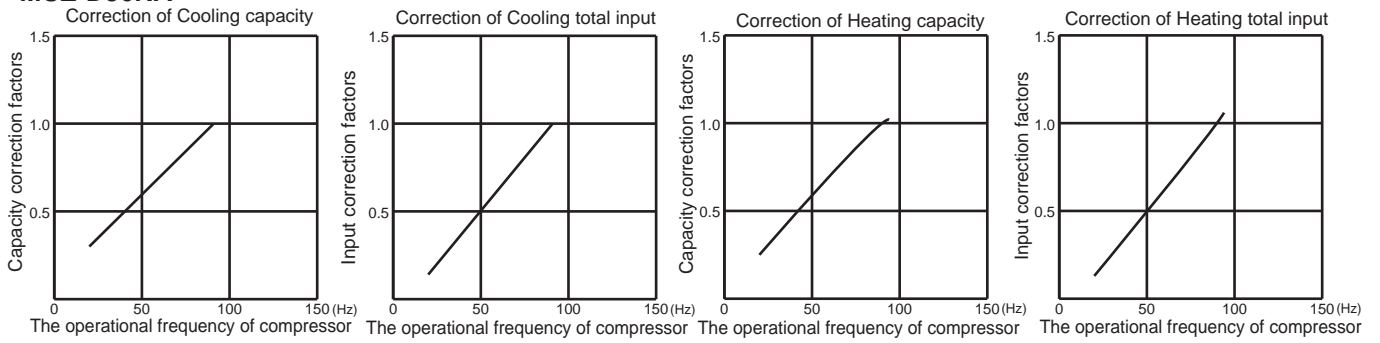
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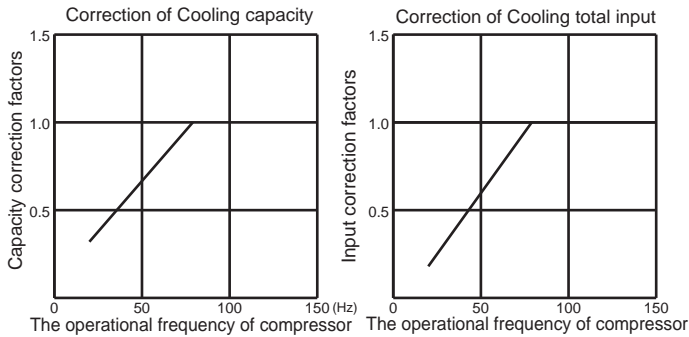
MUZ-D30NA



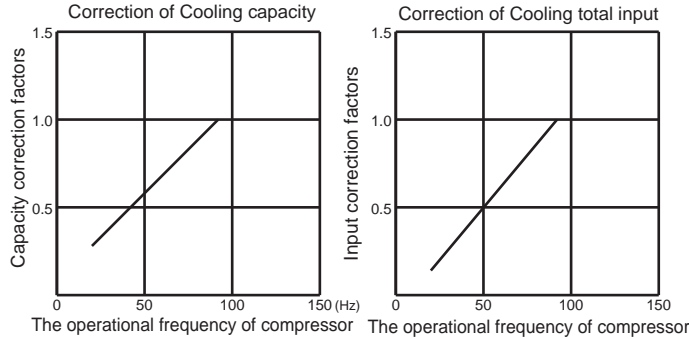
MUZ-D36NA



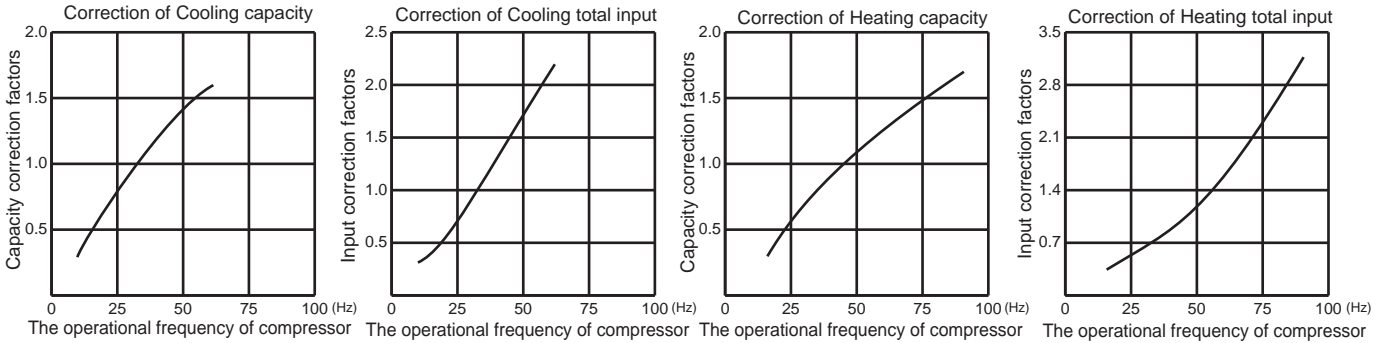
MUY-D30NA



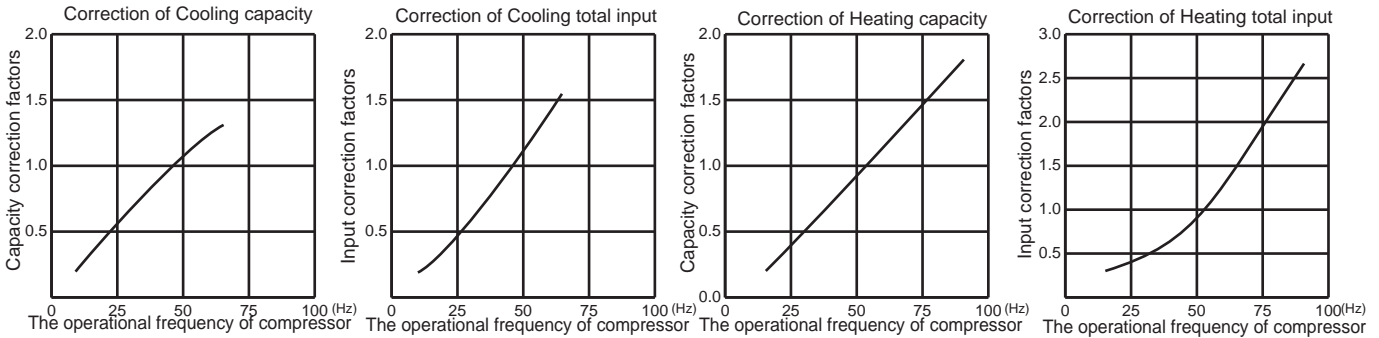
MUY-D36NA



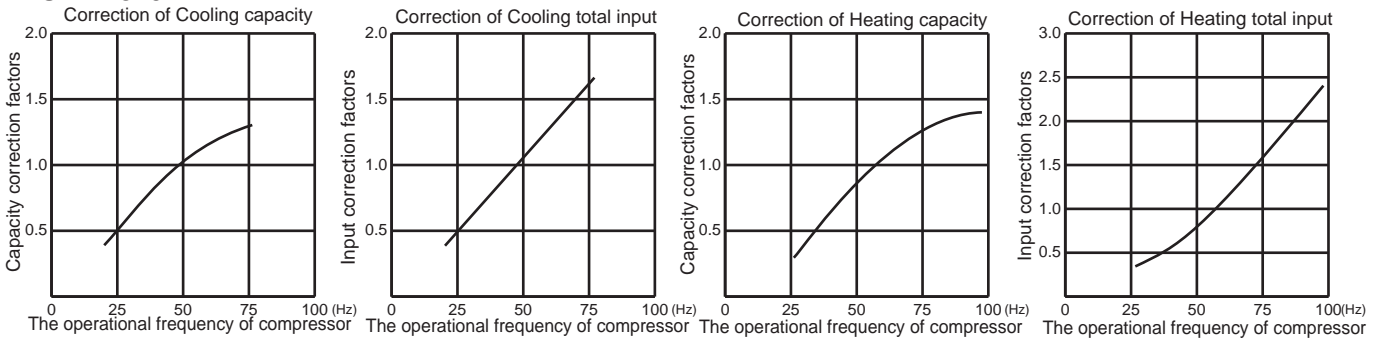
MUFZ-KJ09NAHZ



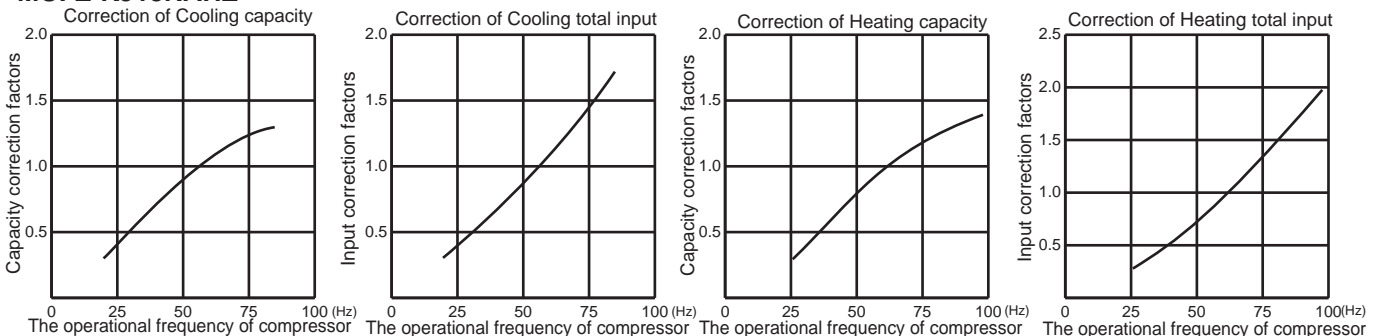
MUFZ-KJ12NAHZ



MUFZ-KJ15NAHZ



MUFZ-KJ18NAHZ



8-6. TEST RUN OPERATION (How to operate fixed-frequency operation)

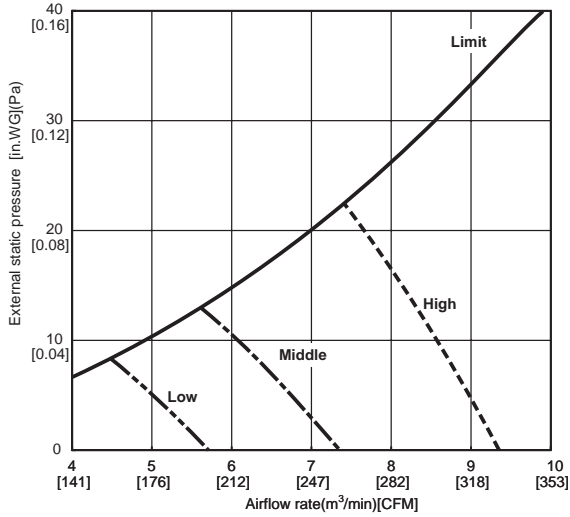
1. Press EMERGENCY OPERATION switch to COOL or HEAT mode (COOL: Press once, HEAT: Press twice).
2. Test run operation starts and continues to operate for 30 minutes.
3. Compressor operates at rated frequency in COOL mode or 58 Hz in HEAT mode.
4. Indoor fan operates at High speed.
5. After 30 minutes, test run operation finishes and EMERGENCY OPERATION starts (operation frequency of compressor varies).
6. To cancel test run operation or EMERGENCY OPERATION, press EMERGENCY OPERATION switch or any button on remote controller.

9 | AIR FLOW DATA

9-1. INDOOR FAN PERFORMANCE AND CORRECTED AIR FLOW

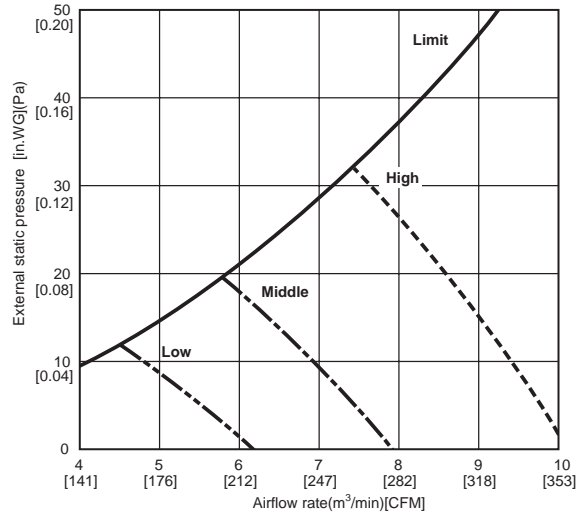
SEZ-KD09NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



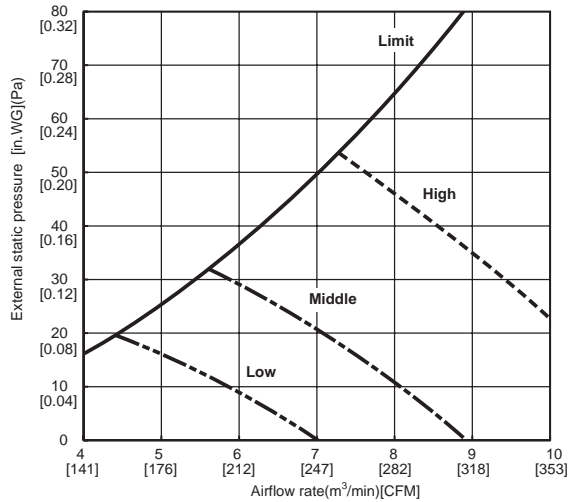
SEZ-KD09NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



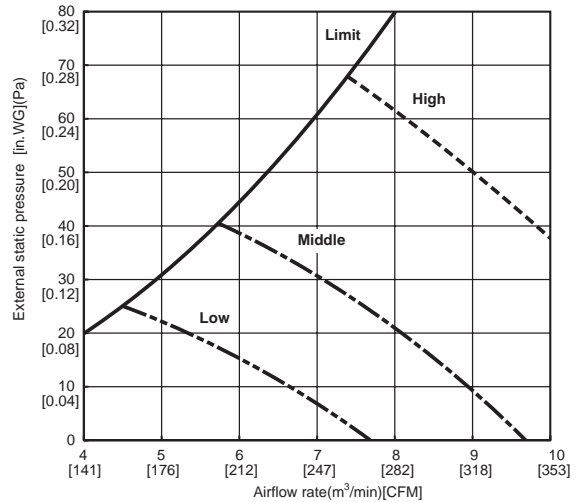
SEZ-KD09NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



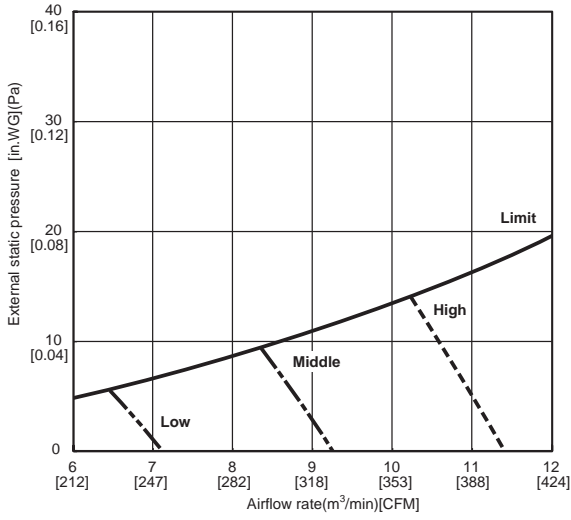
SEZ-KD09NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



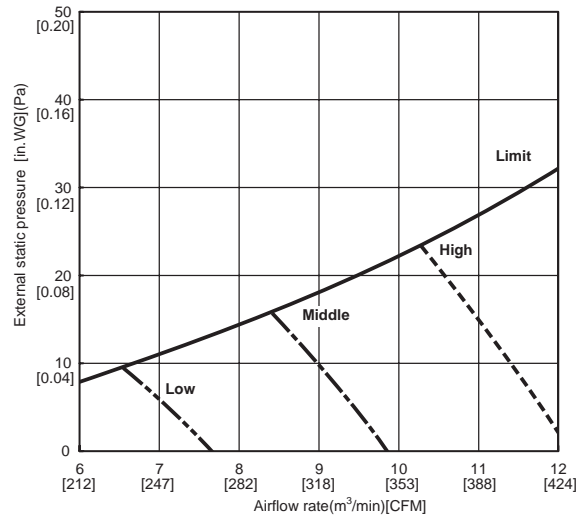
SEZ-KD12NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



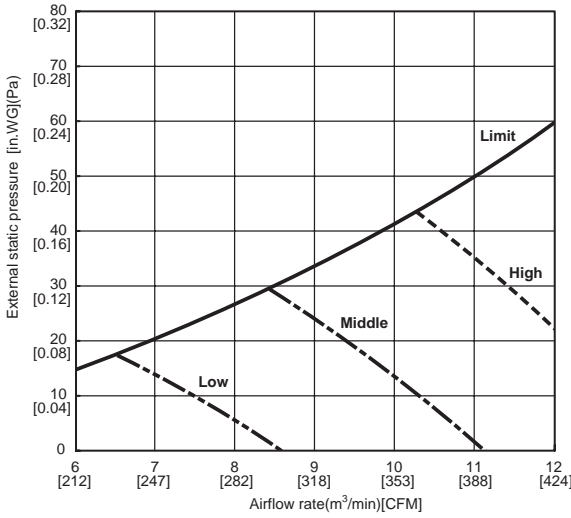
SEZ-KD12NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



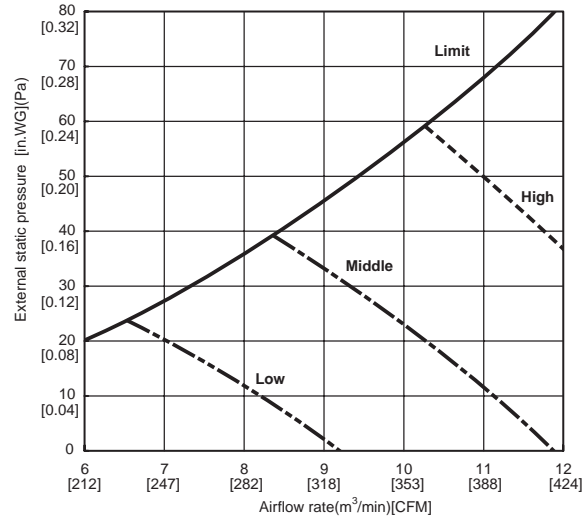
SEZ-KD12NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



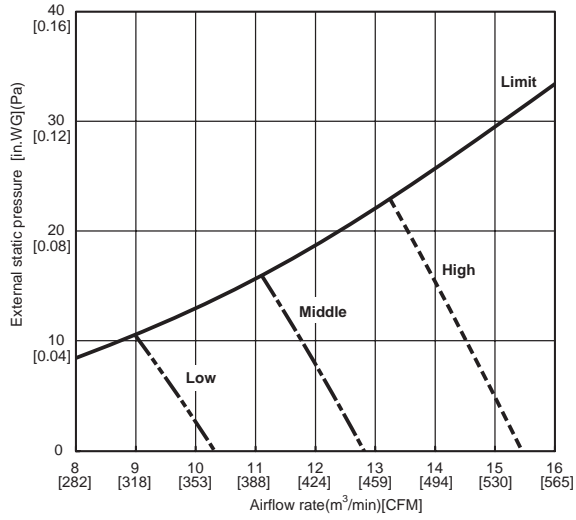
SEZ-KD12NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



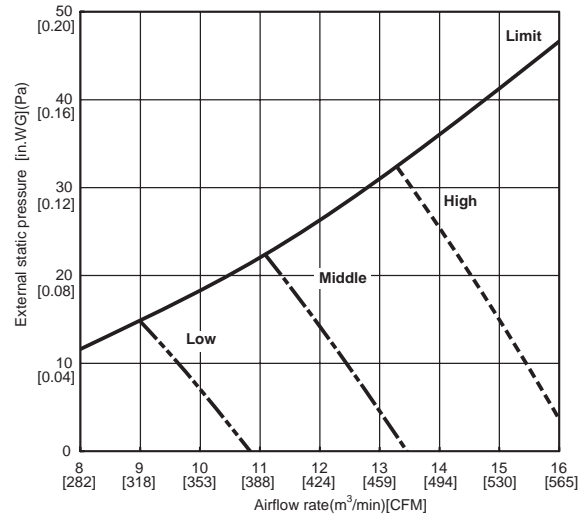
SEZ-KD15NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



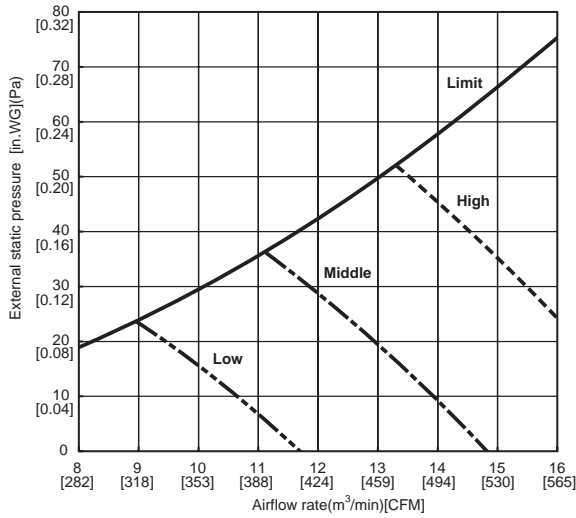
SEZ-KD15NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



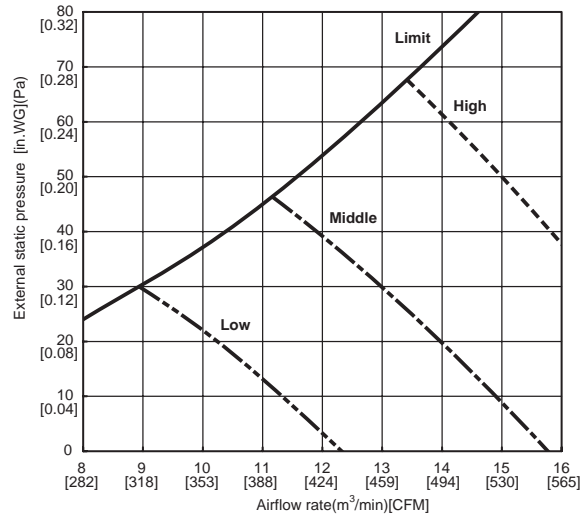
SEZ-KD15NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



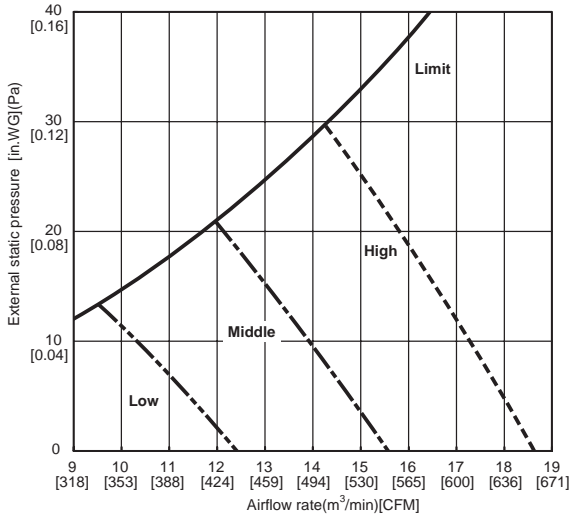
SEZ-KD15NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



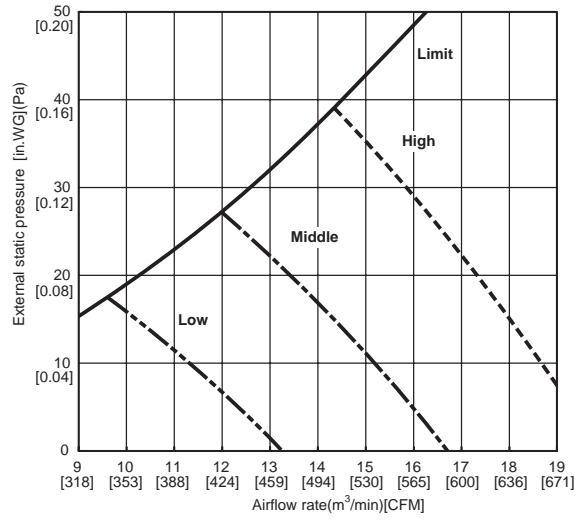
SEZ-KD18NA4

(External static pressure 0.02[in.WG](5Pa)) 208/230V 60Hz



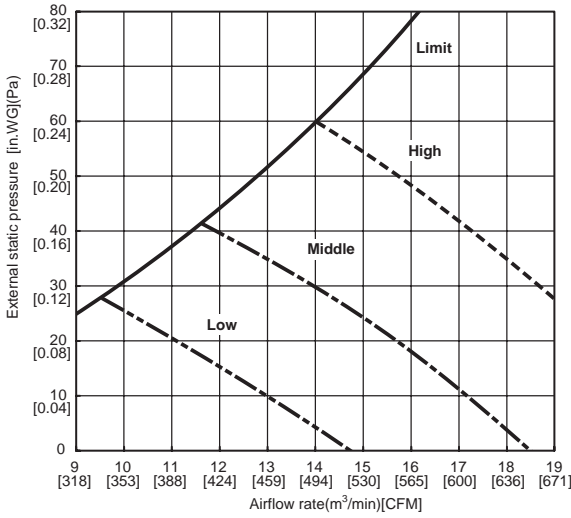
SEZ-KD18NA4

(External static pressure 0.06[in.WG](15Pa)) 208/230V 60Hz



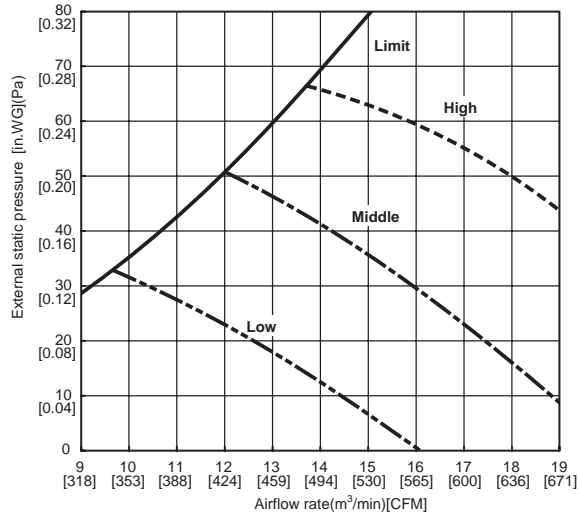
SEZ-KD18NA4

(External static pressure 0.14[in.WG](35Pa)) 208/230V 60Hz



SEZ-KD18NA4

(External static pressure 0.20[in.WG](50Pa)) 208/230V 60Hz



SLZ-KA09NA SLZ-KA12NA SLZ-KA15NA

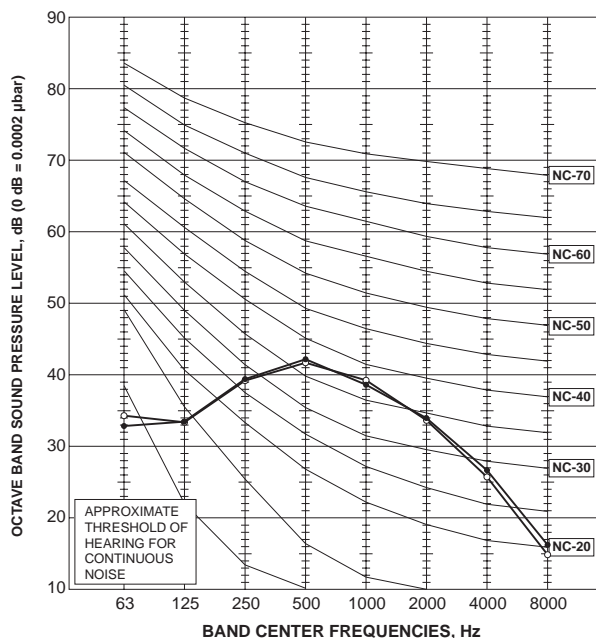
		SLZ-KA09NA	SLZ-KA12NA	SLZ-KA15NA
Air flow H-M-L	m ³ /min	10 - 9 - 8	11 - 9 - 8	11 - 9 - 8
	CFM	350-320-280	390-320-280	390-320-280
Air speed at Hi	m/sec.	3.4	3.7	3.7
Coverage range	m	3.7	4.1	4.1

10 | NOISE CRITERION CURVES

10-1. INDOOR UNIT

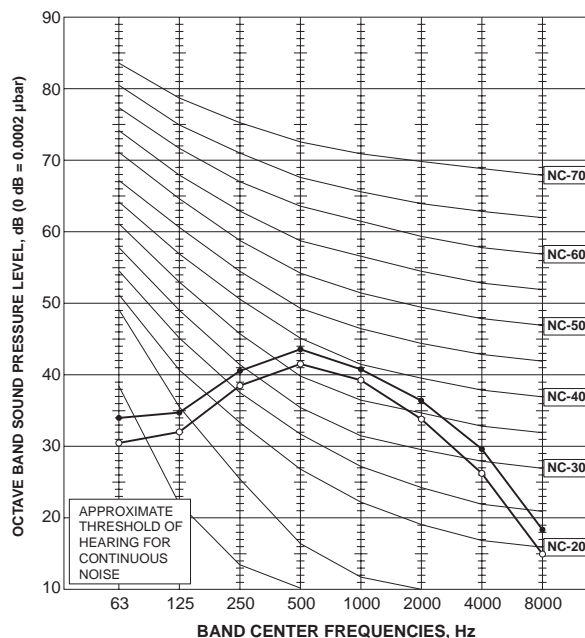
MSZ-GL09NA

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	●—●
HEATING(SHi)	43	○—○



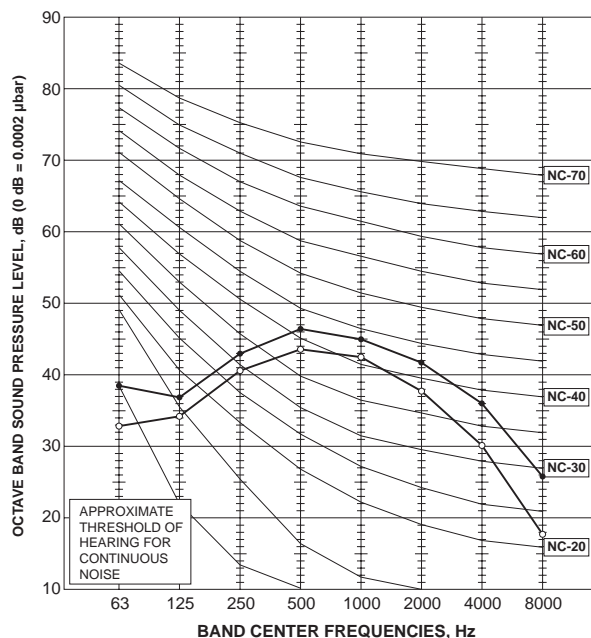
MSZ-GL12NA

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	●—●
HEATING(SHi)	43	○—○



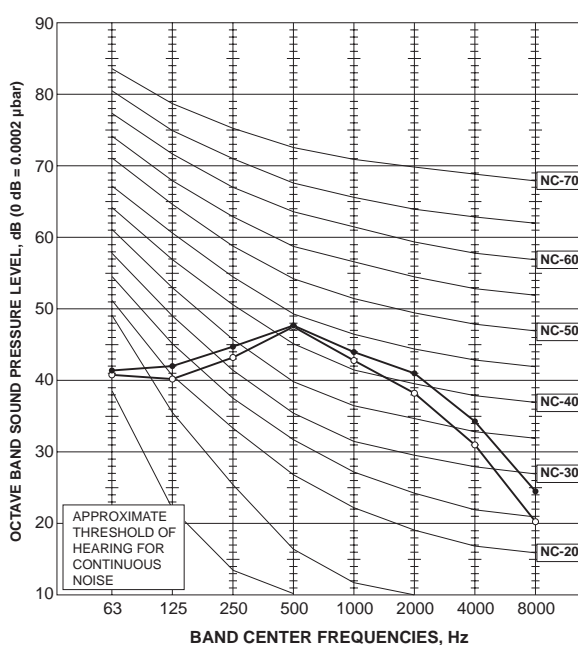
MSZ-GL15NA

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	46	○—○



MSZ-GL18NA

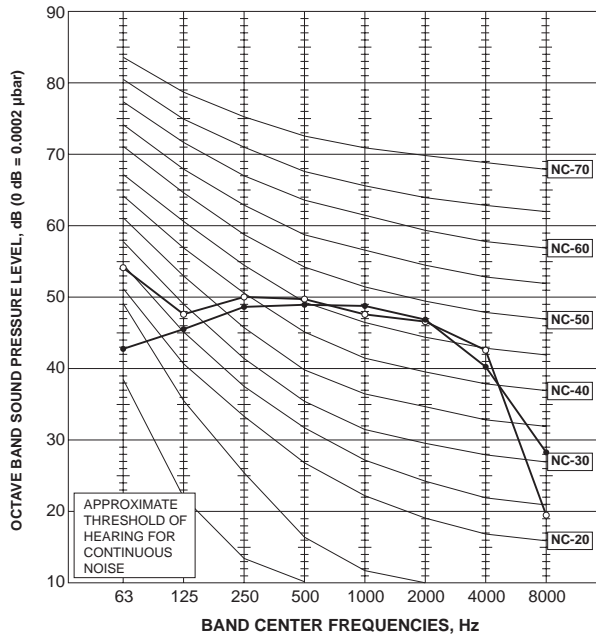
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	48	○—○



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

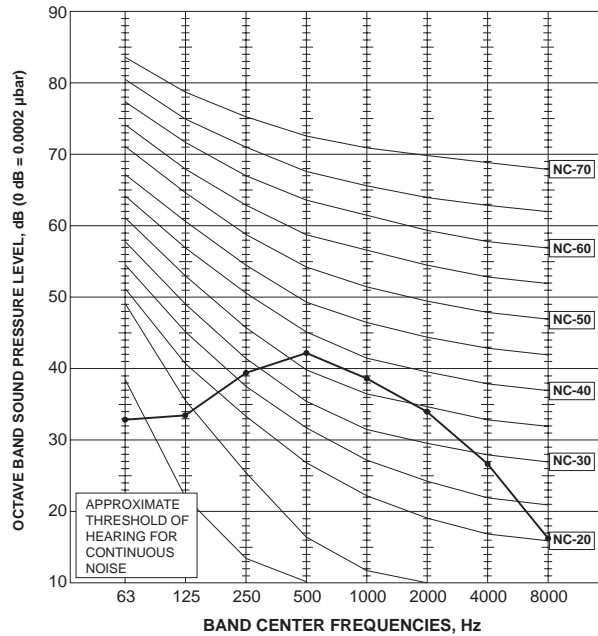
MSZ-GL24NA

NOTCH	SPL(dB(A))	LINE
COOLING(Rated)	53	●—●
HEATING(Rated)	53	○—○



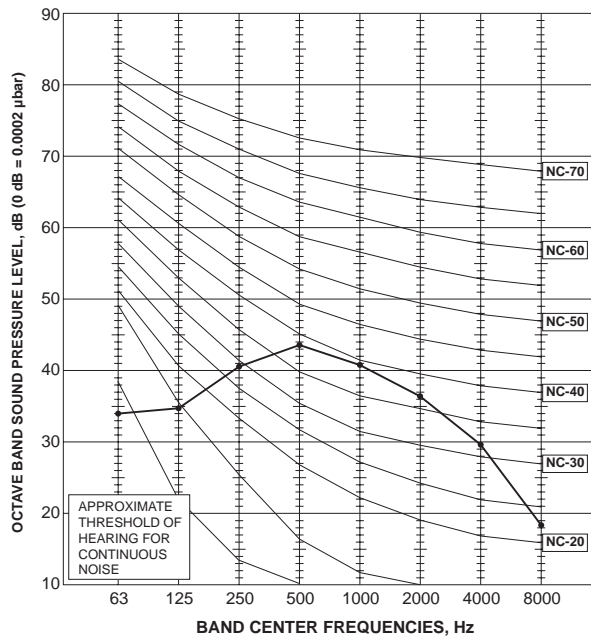
MSY-GL09NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	43	●—●
HEATING(SH)	-	○—○



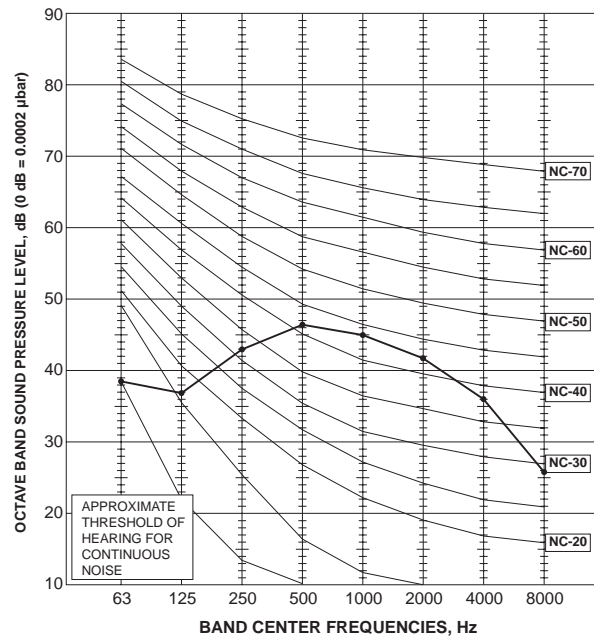
MSY-GL12NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	45	●—●
HEATING(SH)	-	○—○



MSY-GL15NA

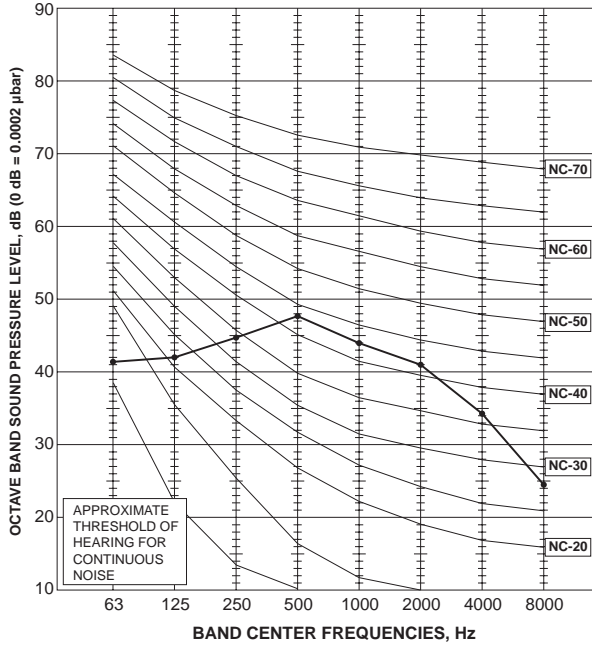
NOTCH	SPL(dB(A))	LINE
COOLING(SH)	49	●—●
HEATING(SH)	-	○—○



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

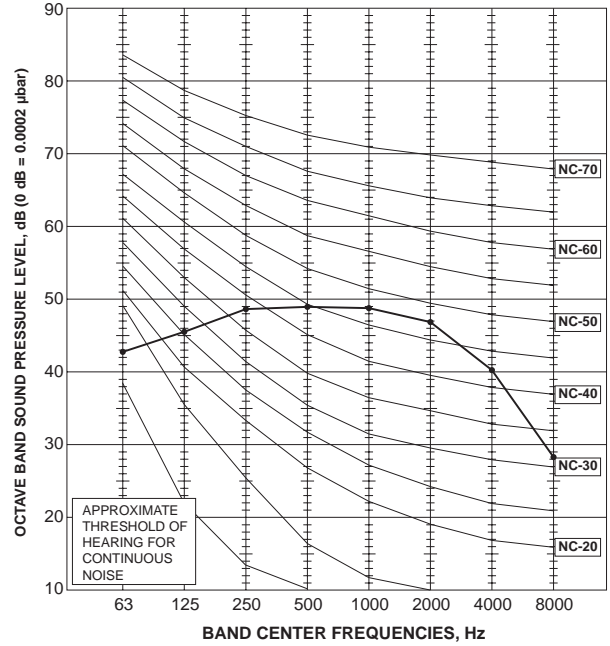
MSY-GL18NA

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	49	●—●
HEATING(SHi)	-	○—○



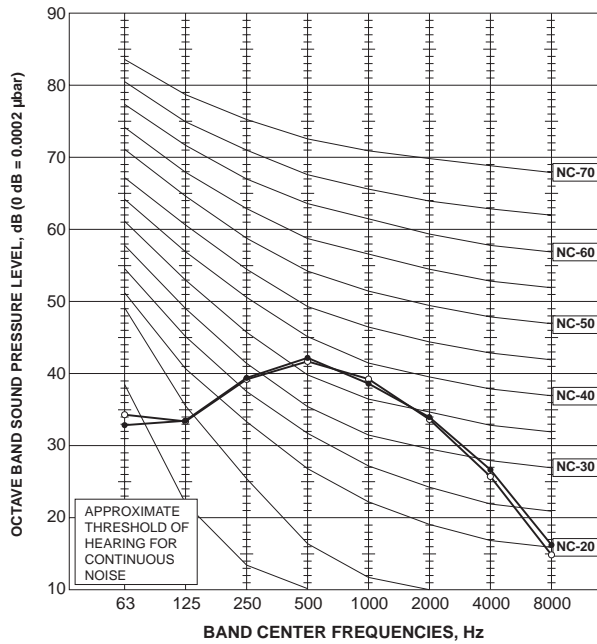
MSY-GL24NA

NOTCH	SPL(dB(A))	LINE
COOLING(Rated)	53	●—●
HEATING(Rated)	-	○—○



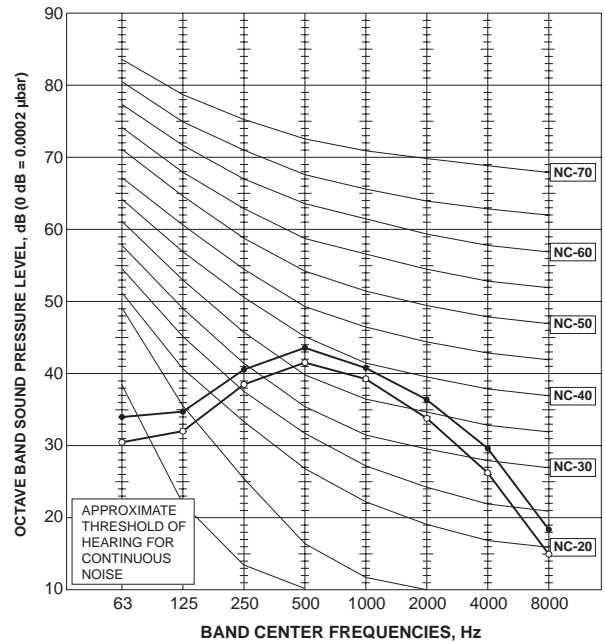
MSZ-HM09NA

NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	43	●—●
HEATING(SHi)	43	○—○



MSZ-HM12NA

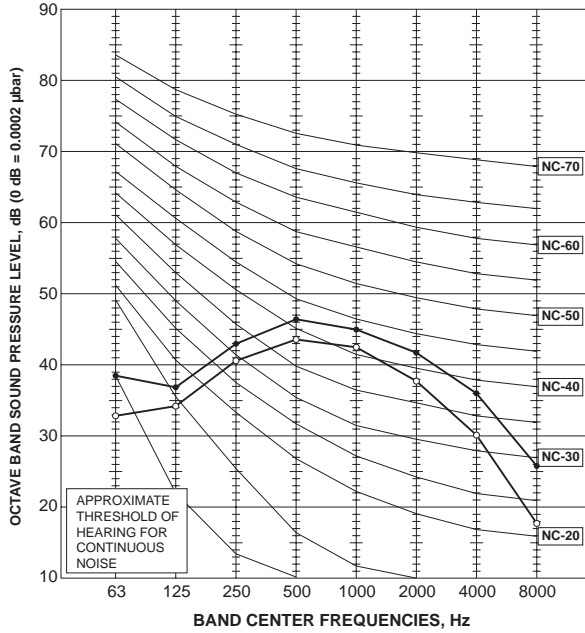
NOTCH	SPL(dB(A))	LINE
COOLING(SHi)	45	●—●
HEATING(SHi)	43	○—○



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

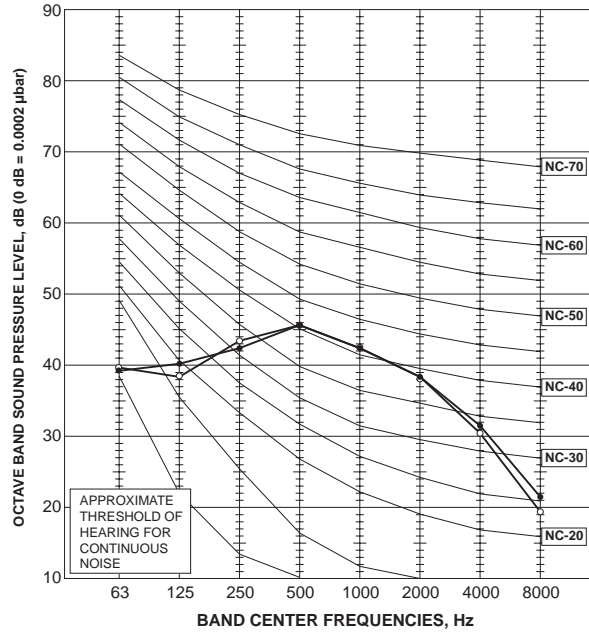
MSZ-HM15NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	49	●—●
HEATING(SH)	46	○—○



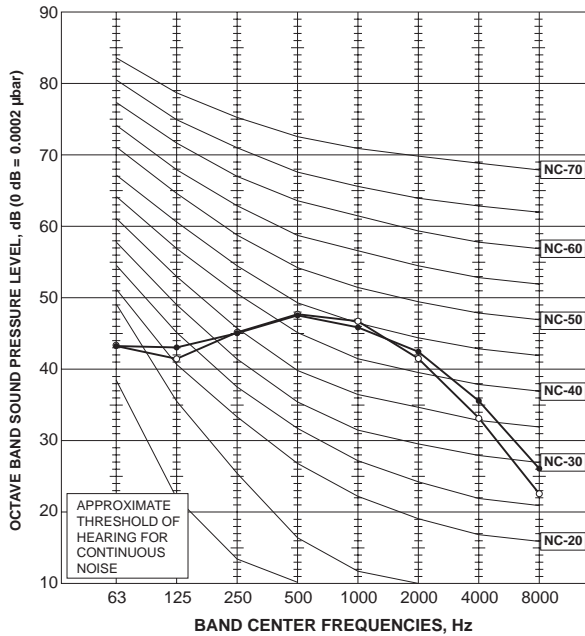
MSZ-HM18NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	47	●—●
HEATING(SH)	47	○—○



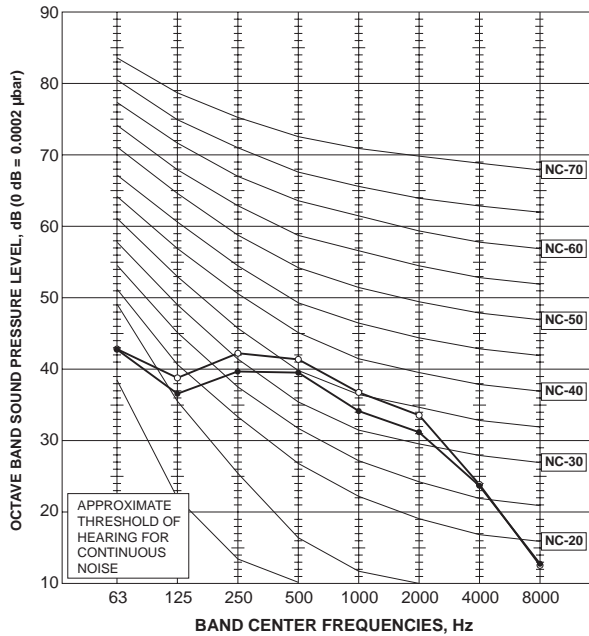
MSZ-HM24NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	50	●—●
HEATING(SH)	50	○—○



MSZ-FH06NA

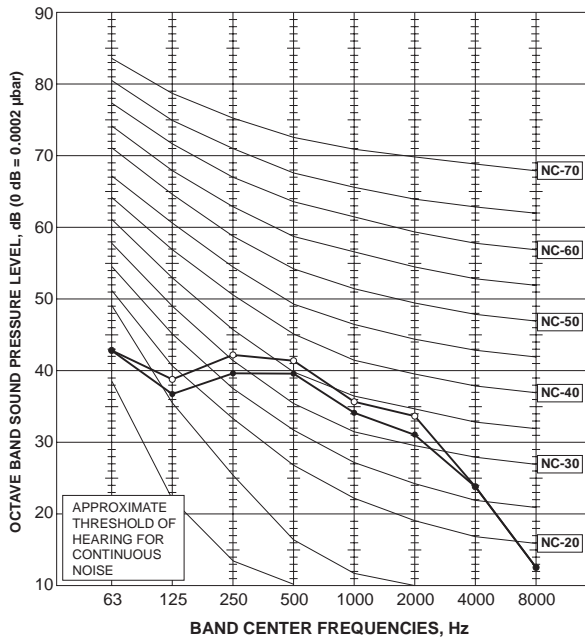
NOTCH	SPL(dB(A))	LINE
COOLING(SH)	40	●—●
HEATING(SH)	42	○—○



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

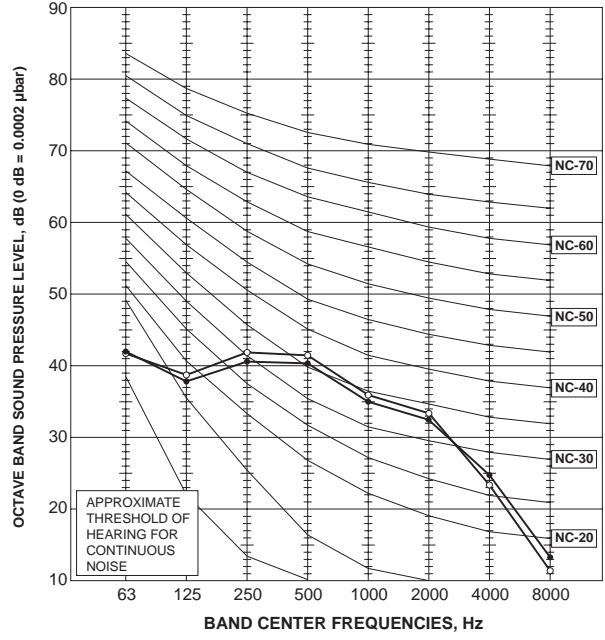
MSZ-FH09NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	40	●—●
HEATING(SH)	42	○—○



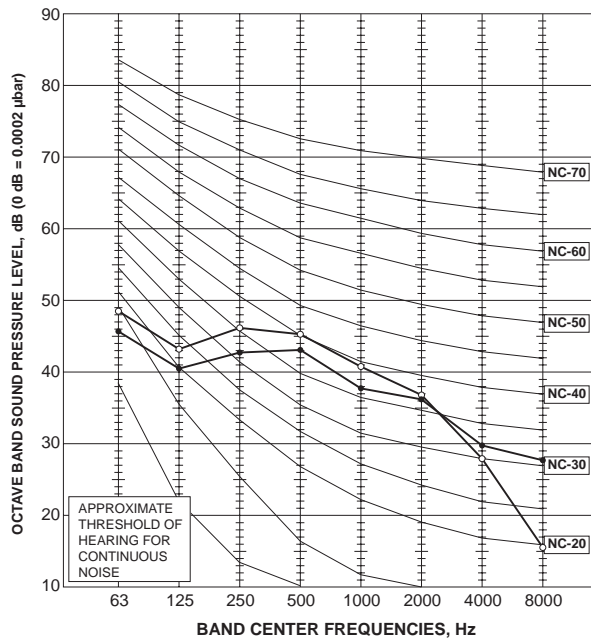
MSZ-FH12NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	41	●—●
HEATING(SH)	42	○—○



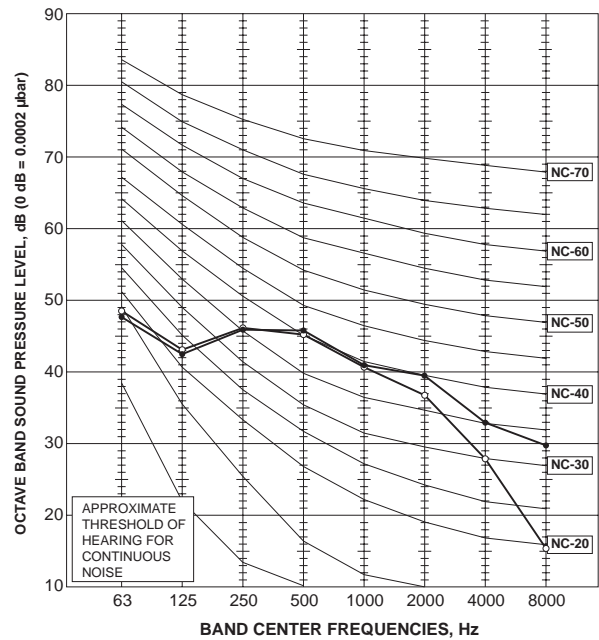
MSZ-FH15NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	44	●—●
HEATING(SH)	46	○—○



MSZ-FH18NA2

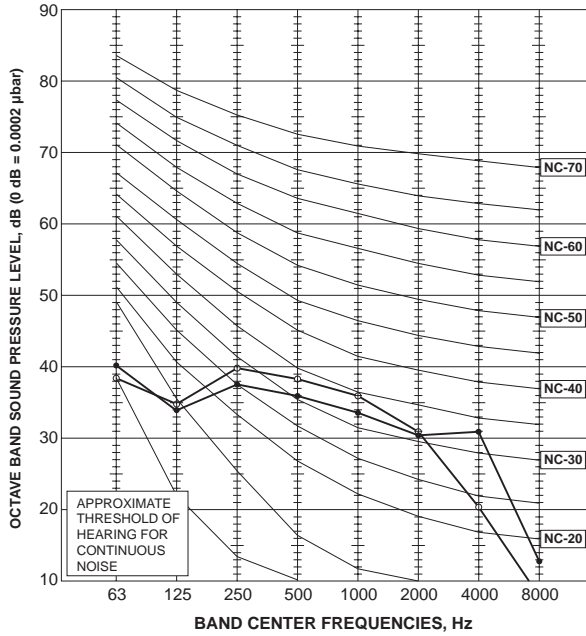
NOTCH	SPL(dB(A))	LINE
COOLING(SH)	47	●—●
HEATING(SH)	46	○—○



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

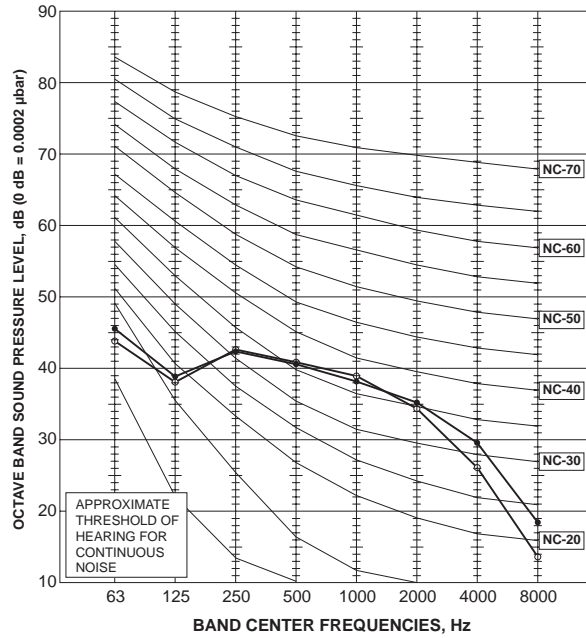
MSZ-FE09NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	39	●—●
HEATING(SH)	40	○—○



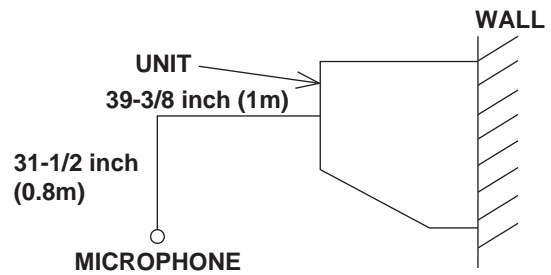
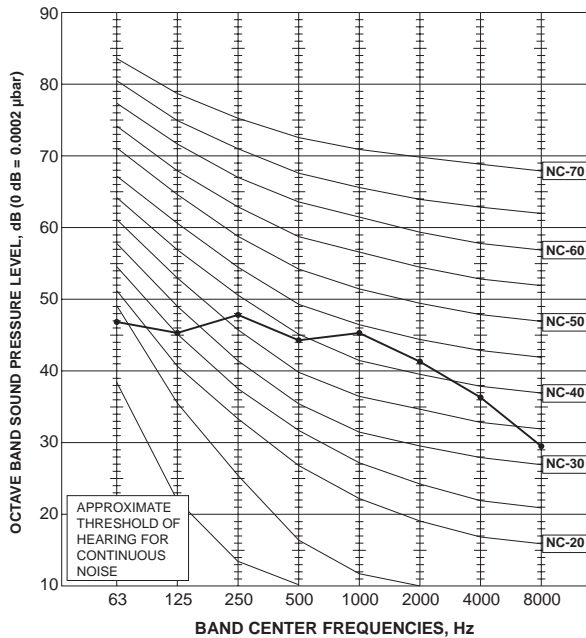
MSZ-FE12NA

NOTCH	SPL(dB(A))	LINE
COOLING(SH)	43	●—●
HEATING(SH)	43	○—○



MSZ-D30NA
MSZ-D36NA
MSY-D30NA
MSY-D36NA

NOTCH	SPL(dB(A))	LINE
COOLING(H)	49	●—●
HEATING(H)		



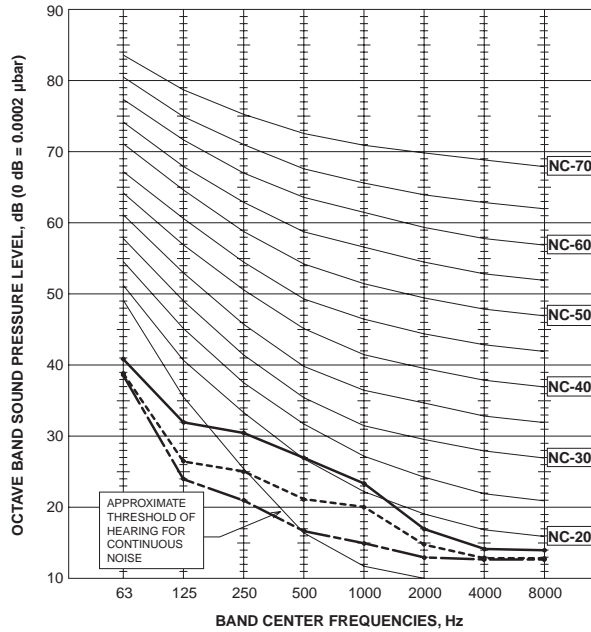
NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD09NA4

External static pressure:
0.02[in.WG](5Pa)

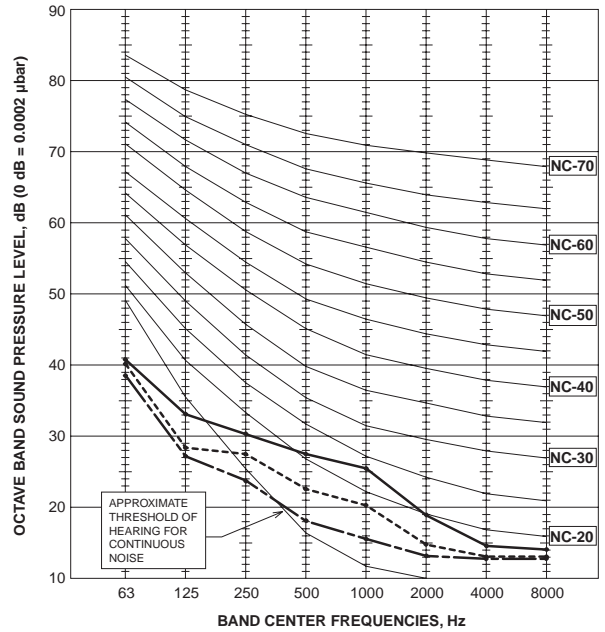
<60Hz>		
NOTCH	SPL(dB)	LINE
High	29	————
Middle	25	- - - - -
Low	22	- - - - -



SEZ-KD09NA4

External static pressure:
0.06[in.WG](15Pa)

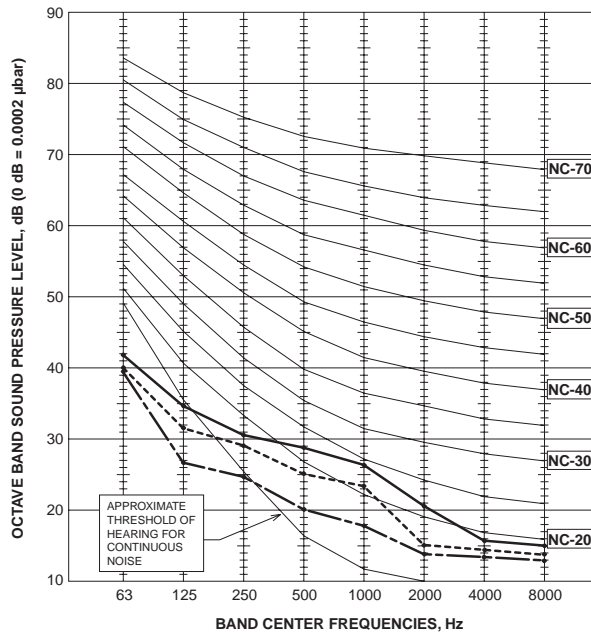
<60Hz>		
NOTCH	SPL(dB)	LINE
High	30	————
Middle	26	- - - - -
Low	23	- - - - -



SEZ-KD09NA4

External static pressure:
0.14[in.WG](35Pa)

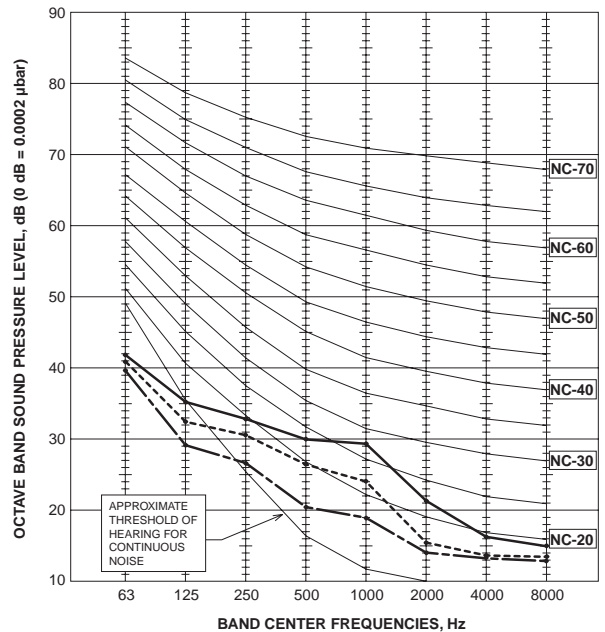
<60Hz>		
NOTCH	SPL(dB)	LINE
High	31	————
Middle	28	- - - - -
Low	24	- - - - -



SEZ-KD09NA4

External static pressure:
0.20[in.WG](50Pa)

<60Hz>		
NOTCH	SPL(dB)	LINE
High	33	————
Middle	29	- - - - -
Low	25	- - - - -

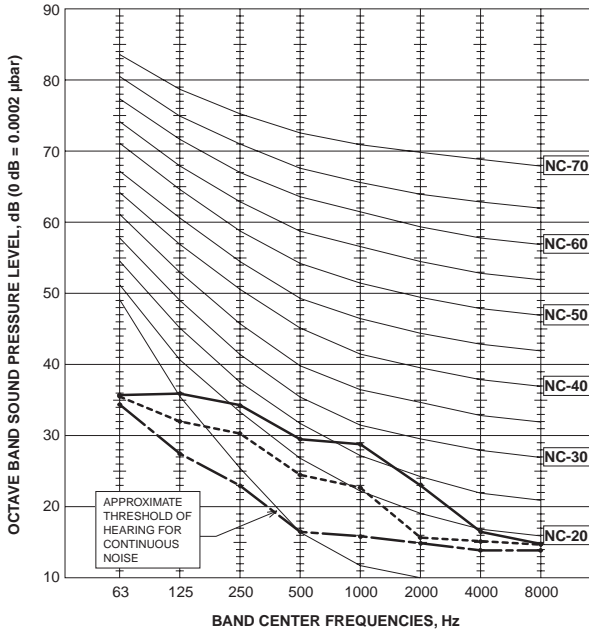


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD12NA4

External static pressure:
0.02[in.WG](5Pa)

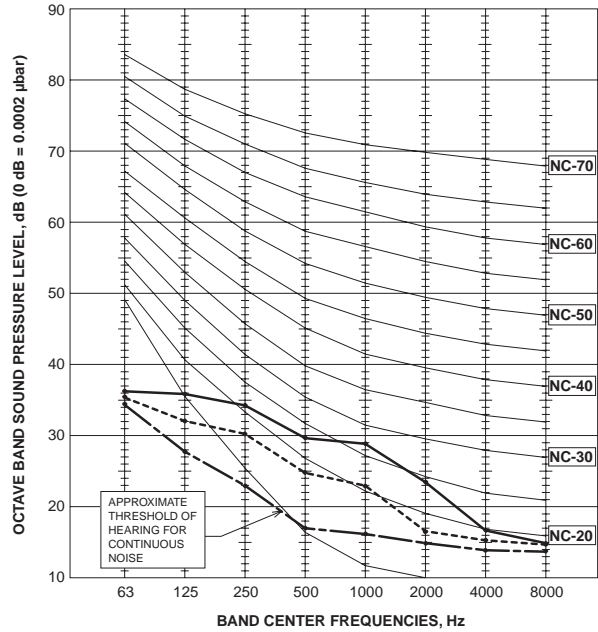
<60Hz>		
NOTCH	SPL(dB)	LINE
High	33	—————
Middle	28	- - - - -
Low	23	—————



SEZ-KD12NA4

External static pressure:
0.06[in.WG](15Pa)

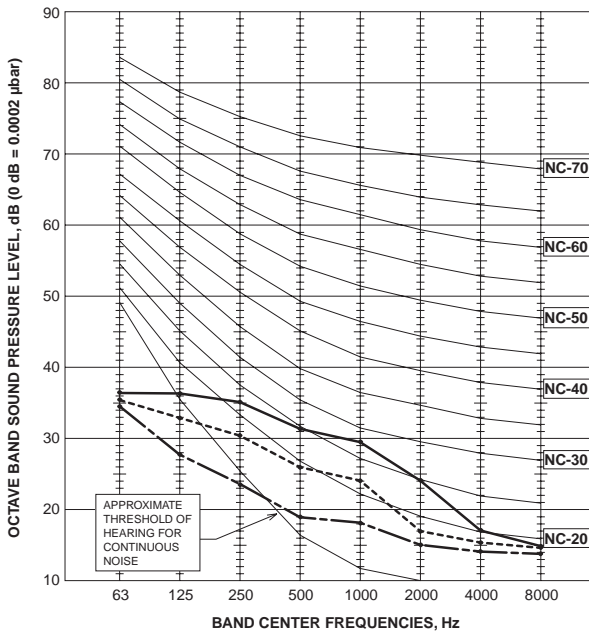
<60Hz>		
NOTCH	SPL(dB)	LINE
High	33	—————
Middle	28	- - - - -
Low	23	—————



SEZ-KD12NA4

External static pressure:
0.14[in.WG](35Pa)

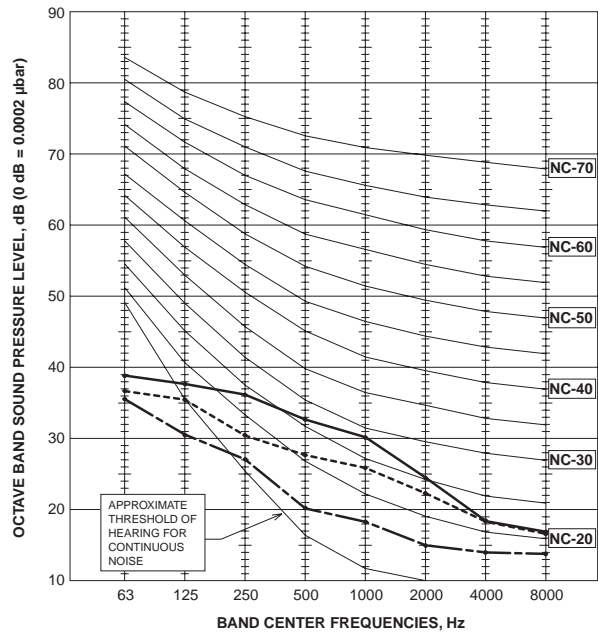
<60Hz>		
NOTCH	SPL(dB)	LINE
High	34	—————
Middle	29	- - - - -
Low	24	—————



SEZ-KD12NA4

External static pressure:
0.20[in.WG](50Pa)

<60Hz>		
NOTCH	SPL(dB)	LINE
High	35	—————
Middle	31	- - - - -
Low	25	—————

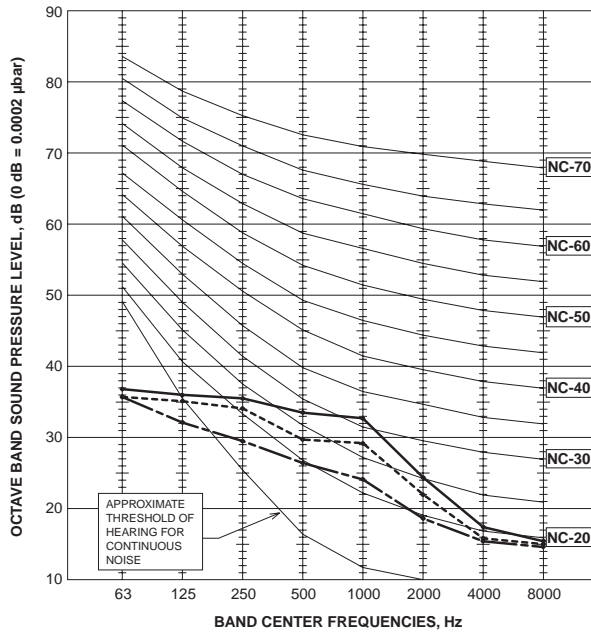


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD15NA4

External static pressure:
0.02[in.WG](5Pa)

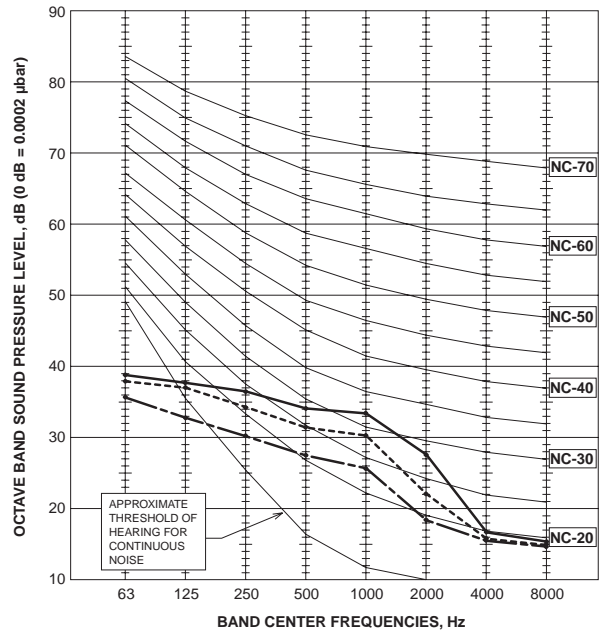
<60Hz>		
NOTCH	SPL(dB)	LINE
High	36	————
Middle	33	-----
Low	29	- - - - -



SEZ-KD15NA4

External static pressure:
0.06[in.WG](15Pa)

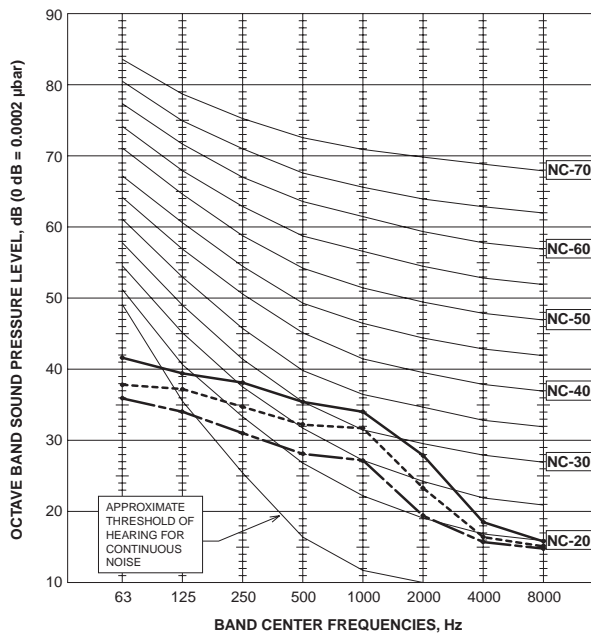
<60Hz>		
NOTCH	SPL(dB)	LINE
High	37	————
Middle	34	-----
Low	30	- - - - -



SEZ-KD15NA4

External static pressure:
0.14[in.WG](35Pa)

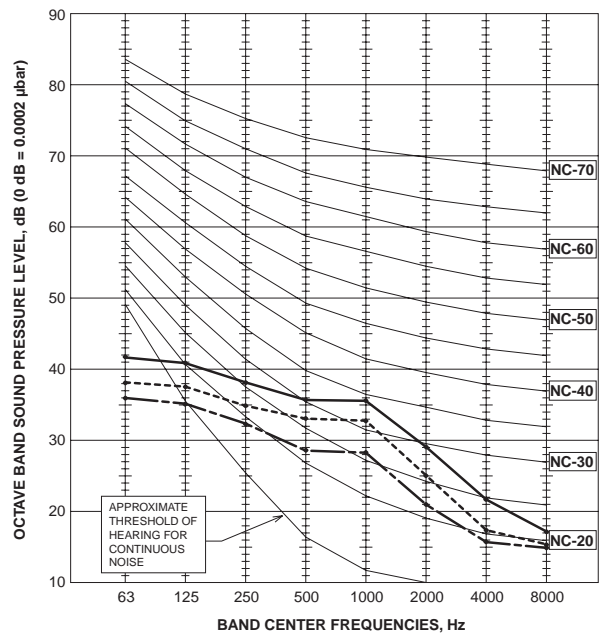
<60Hz>		
NOTCH	SPL(dB)	LINE
High	38	————
Middle	35	-----
Low	31	- - - - -



SEZ-KD15NA4

External static pressure:
0.20[in.WG](50Pa)

<60Hz>		
NOTCH	SPL(dB)	LINE
High	39	————
Middle	36	-----
Low	32	- - - - -

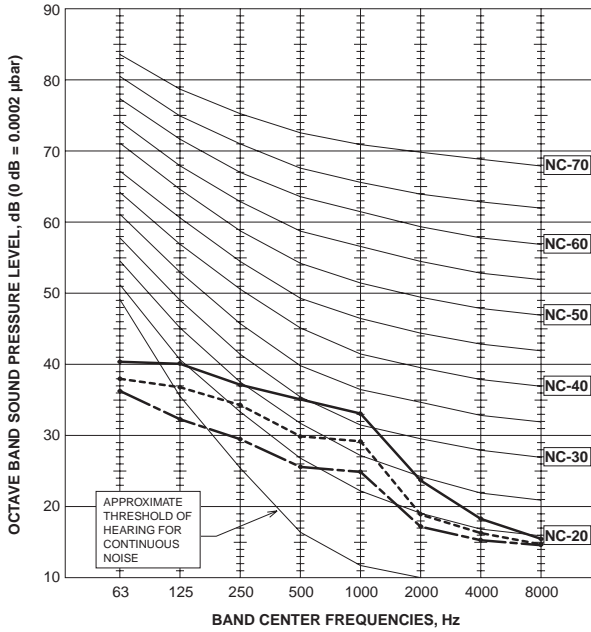


NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

SEZ-KD18NA4

External static pressure:
0.02[in.WG](5Pa)

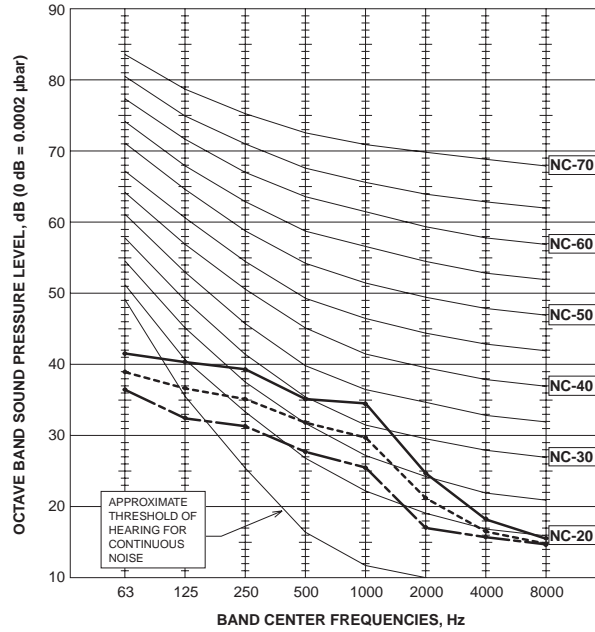
<60Hz>		
NOTCH	SPL(dB)	LINE
High	37	————
Middle	33	- - - - -
Low	29	— · — ·



SEZ-KD18NA4

External static pressure:
0.06[in.WG](15Pa)

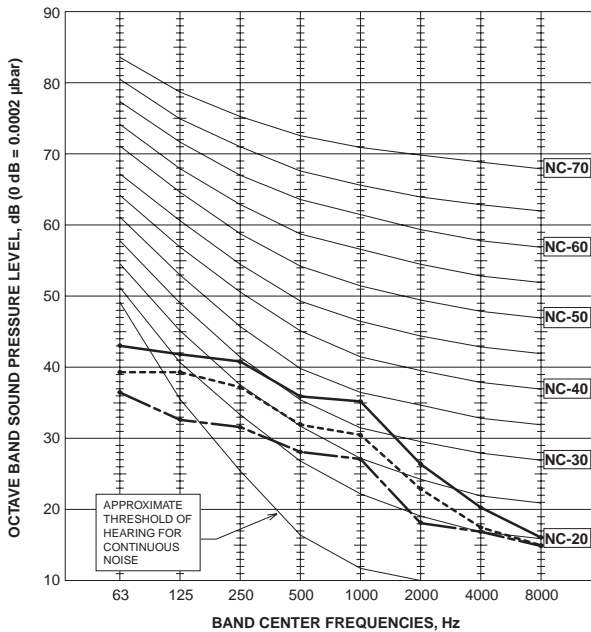
<60Hz>		
NOTCH	SPL(dB)	LINE
High	38	————
Middle	34	- - - - -
Low	30	— · — ·



SEZ-KD18NA4

External static pressure:
0.14[in.WG](35Pa)

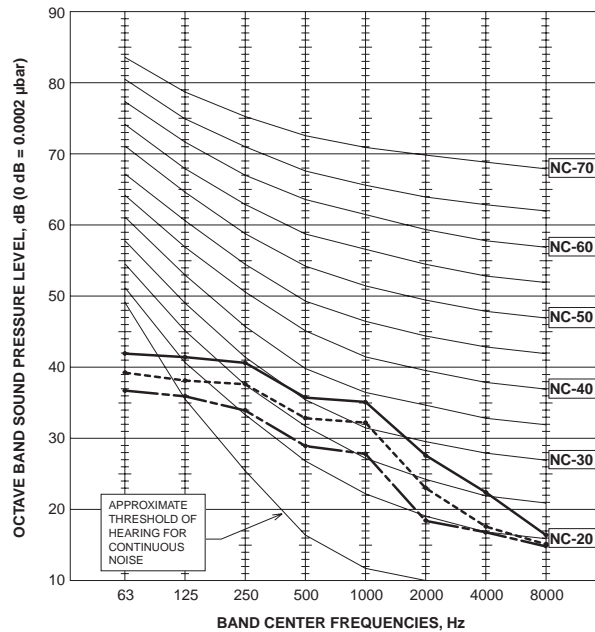
<60Hz>		
NOTCH	SPL(dB)	LINE
High	39	————
Middle	35	- - - - -
Low	31	— · — ·



SEZ-KD18NA4

External static pressure:
0.20[in.WG](50Pa)

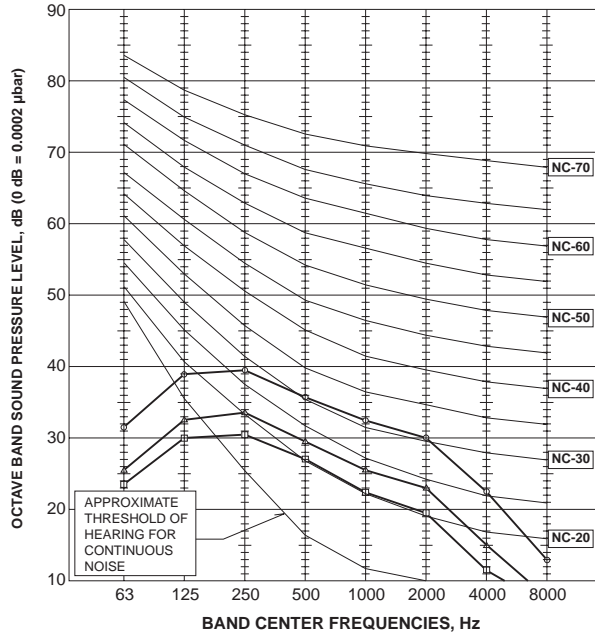
<60Hz>		
NOTCH	SPL(dB)	LINE
High	39	————
Middle	36	- - - - -
Low	32	— · — ·



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

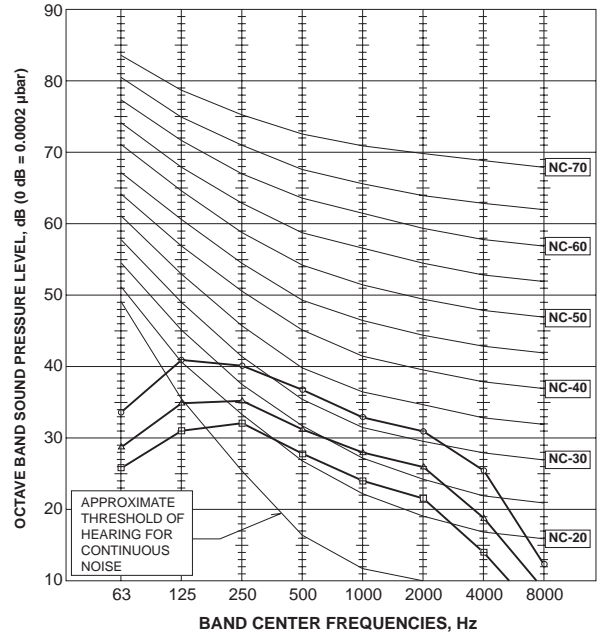
SLZ-KA09NA

NOTCH	SPL(dB)	LINE
High	38	○—○
Medium	22	△—△
Low	29	□—□



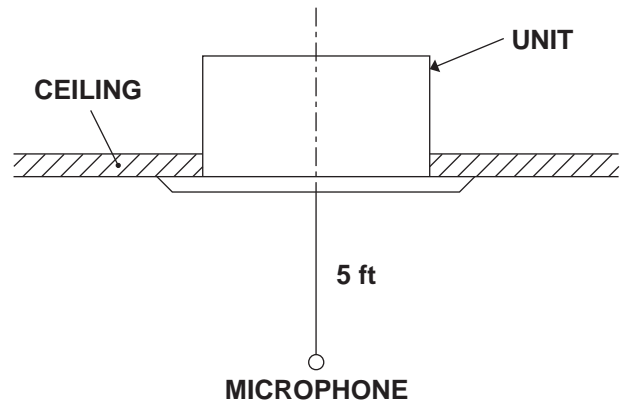
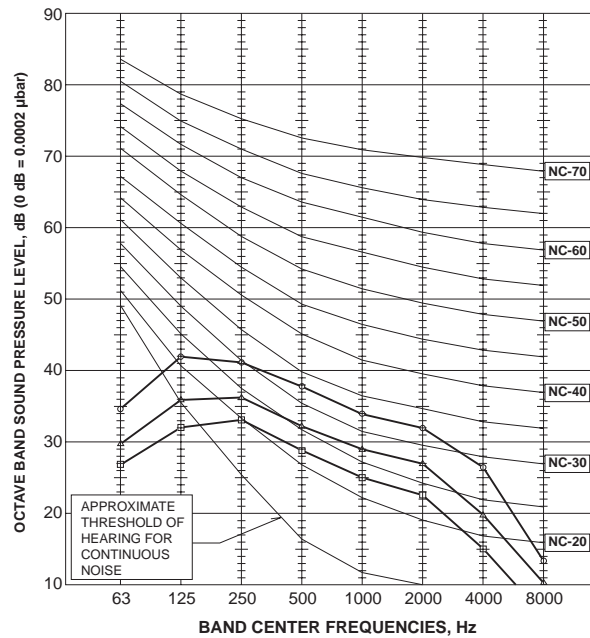
SLZ-KA12NA

NOTCH	SPL(dB)	LINE
High	39	○—○
Medium	40	△—△
Low	30	□—□



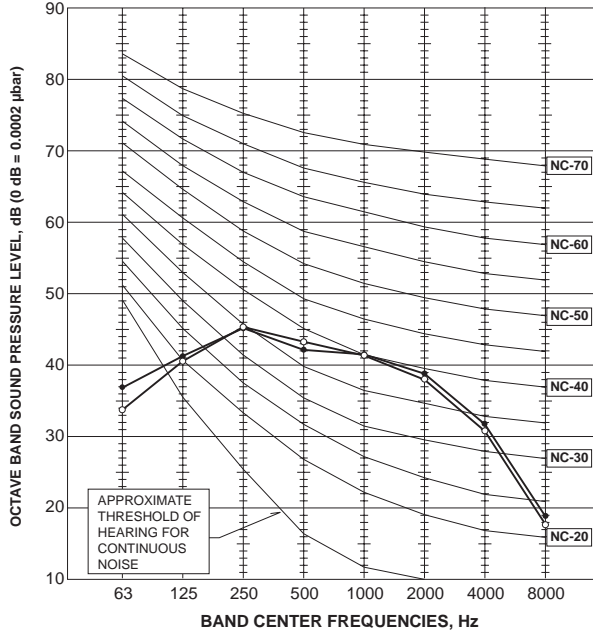
SLZ-KA15NA

NOTCH	SPL(dB)	LINE
High	40	○—○
Medium	35	△—△
Low	31	□—□



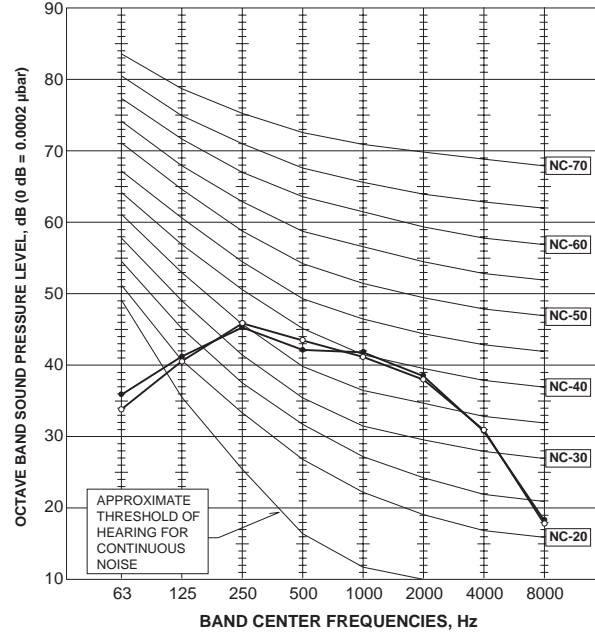
MFZ-KJ09NA

FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	46	○—○



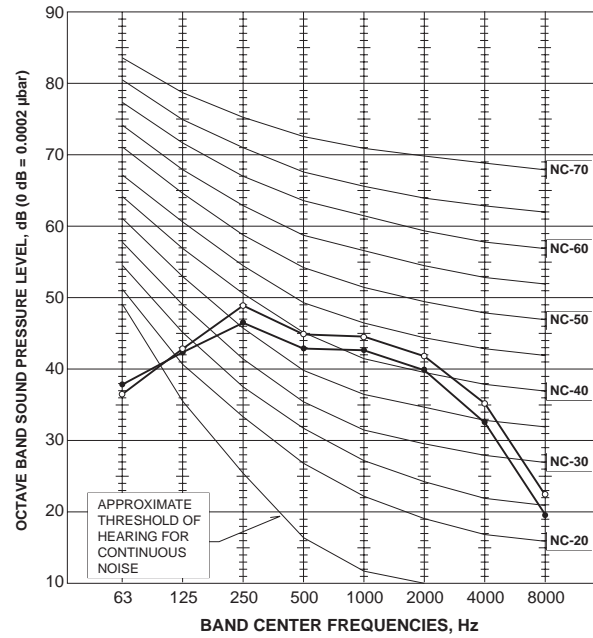
MFZ-KJ12NA

FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	46	○—○



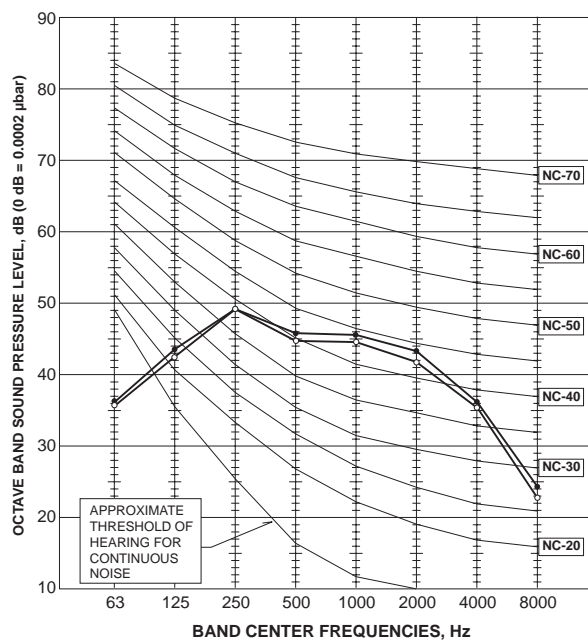
MFZ-KJ15NA

FUNCTION	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	49	○—○



MFZ-KJ18NA

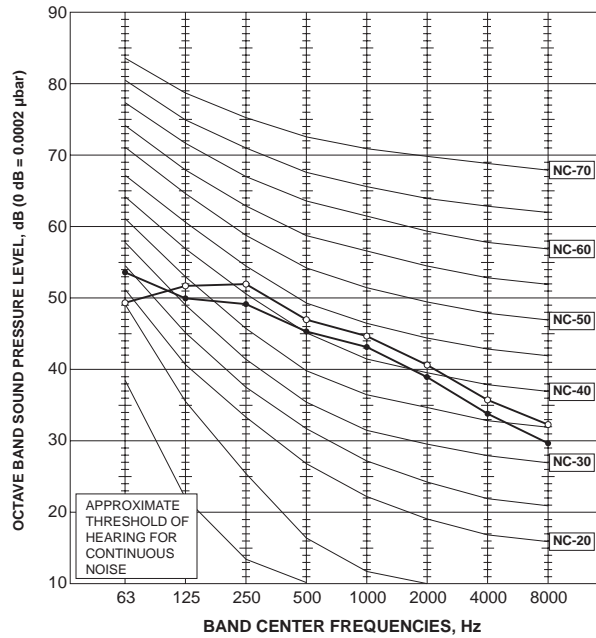
FUNCTION	SPL(dB(A))	LINE
COOLING	50	●—●
HEATING	49	○—○



10-2. OUTDOOR UNIT

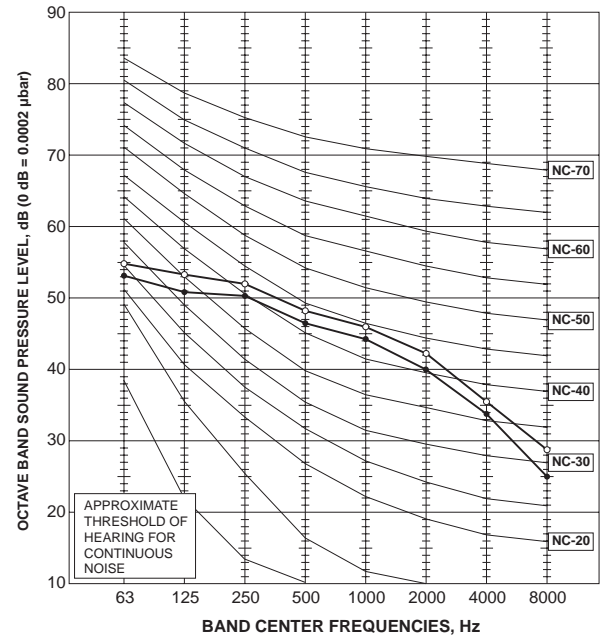
MUZ-GL09NA MUZ-GL09NAH

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



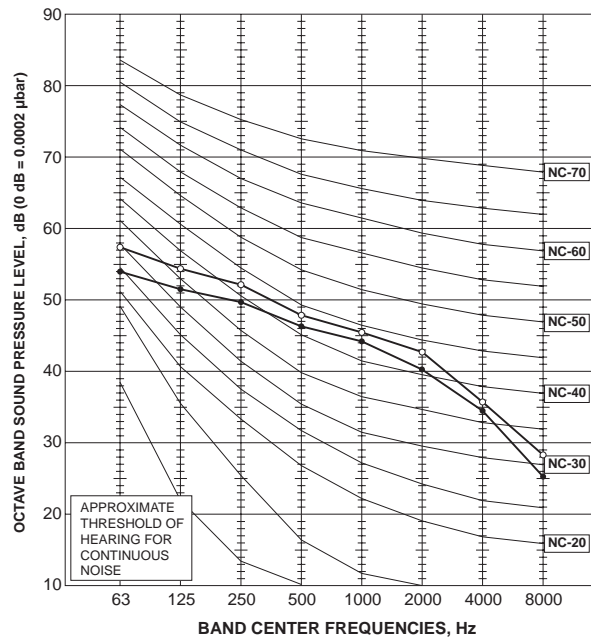
MUZ-GL12NA MUZ-GL12NAH

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



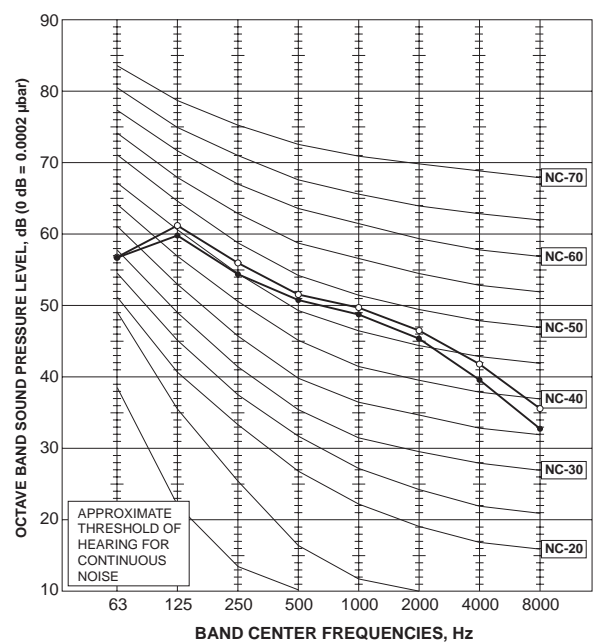
MUZ-GL15NA MUZ-GL15NAH

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



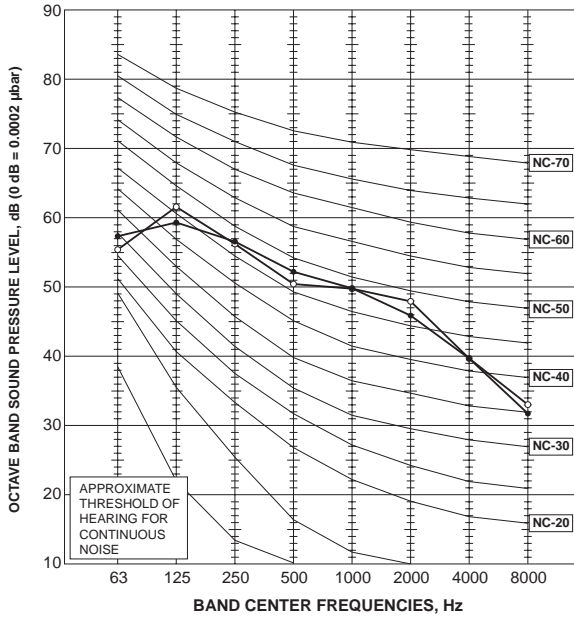
MUZ-GL18NA MUZ-GL18NAH

NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	55	○—○



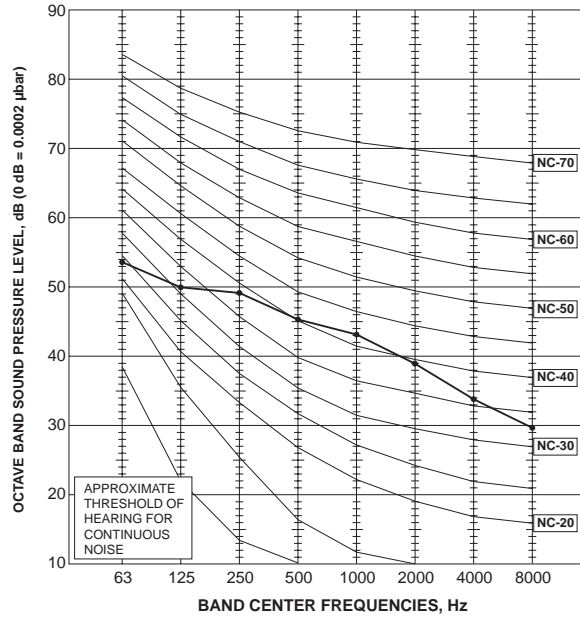
MUZ-GL24NA
MUZ-GL24NAH

NOTCH	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	55	○—○



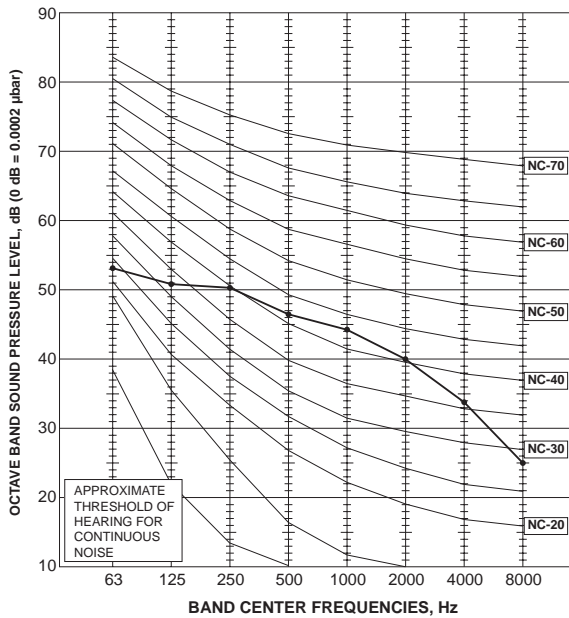
MUY-GL09NA

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	—	○—○



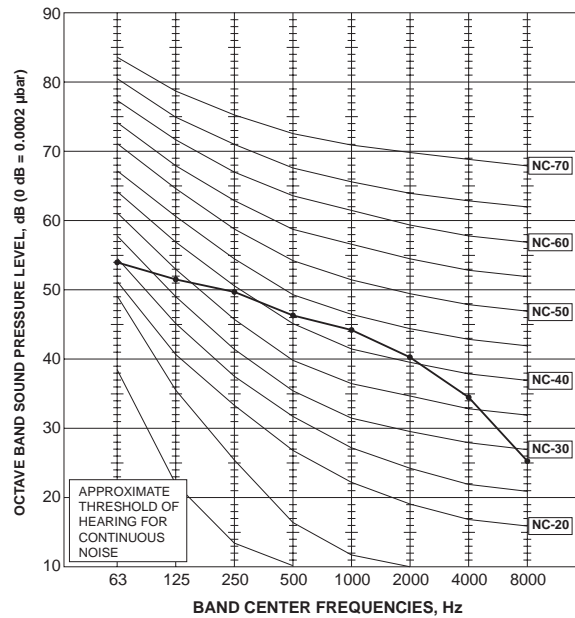
MUY-GL12NA

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	—	○—○



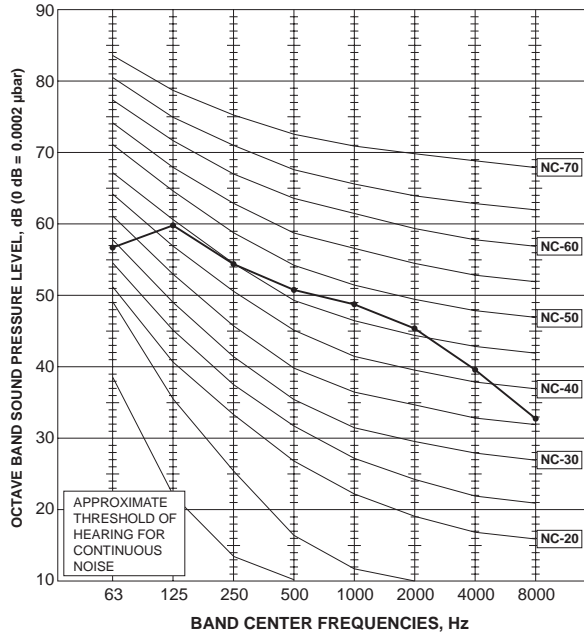
MUY-GL15NA

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	—	○—○



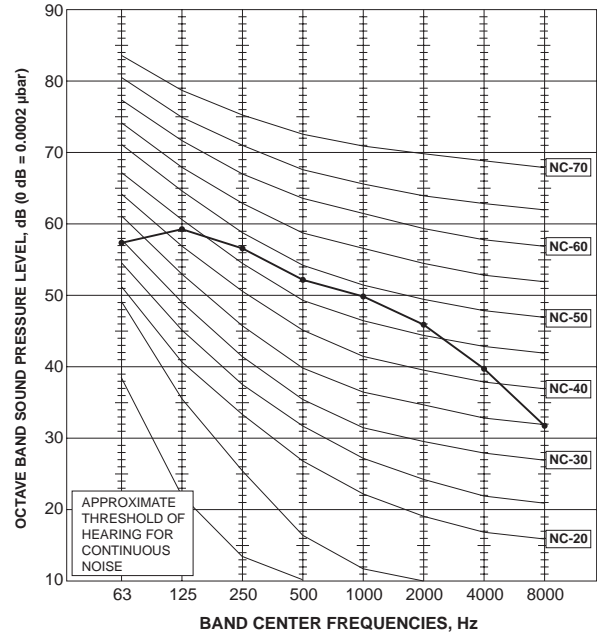
MUY-GL18NA

NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	—	○—○



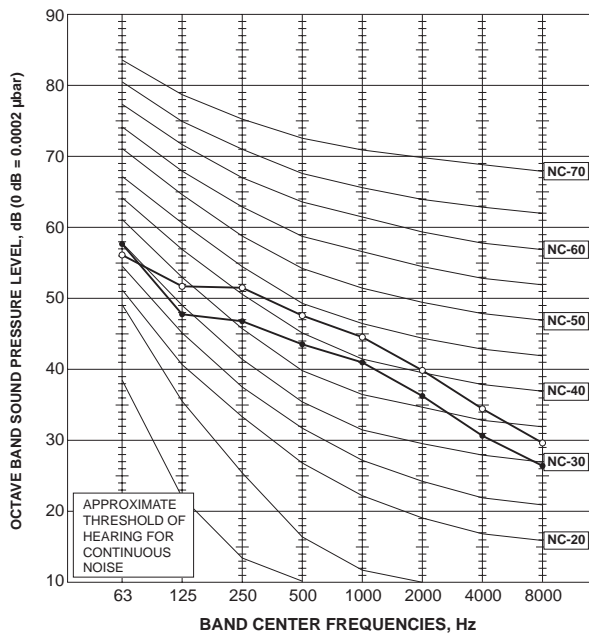
MUY-GL24NA

NOTCH	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	—	○—○



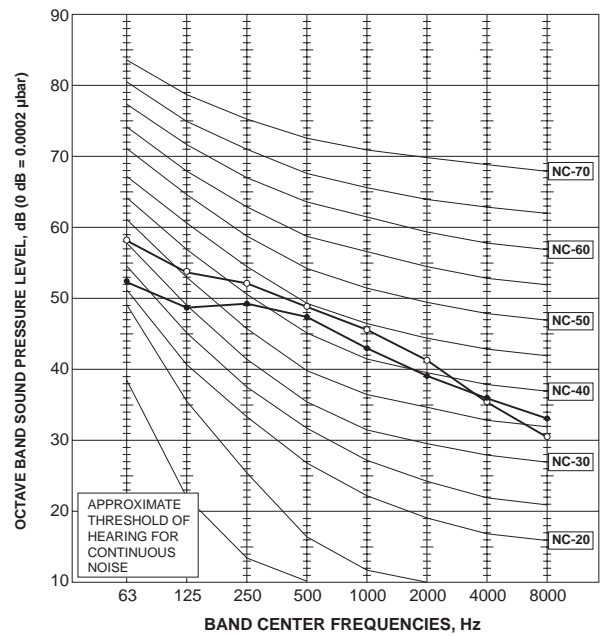
MUZ-HM09NA2

NOTCH	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	50	○—○



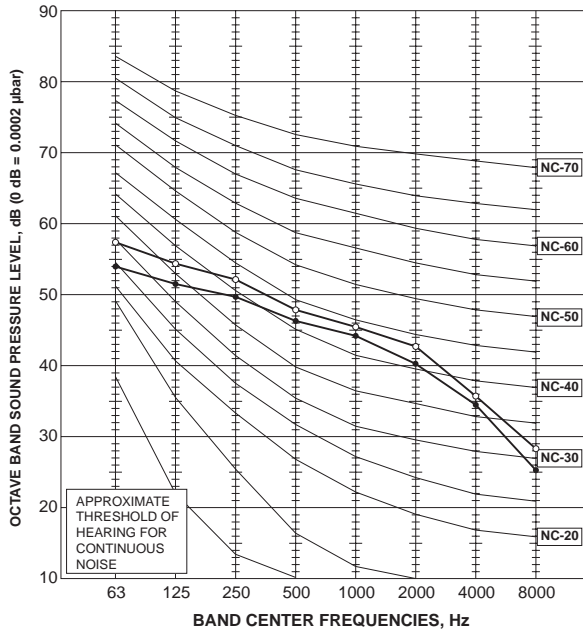
MUZ-HM12NA2

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



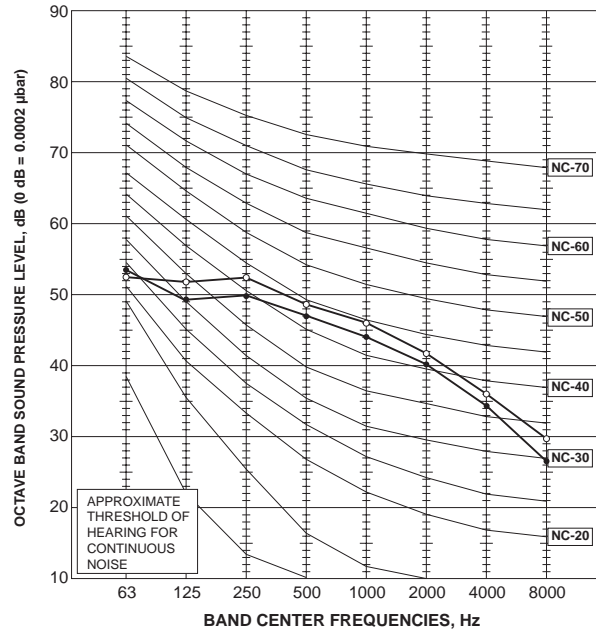
MUZ-HM15NA2

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



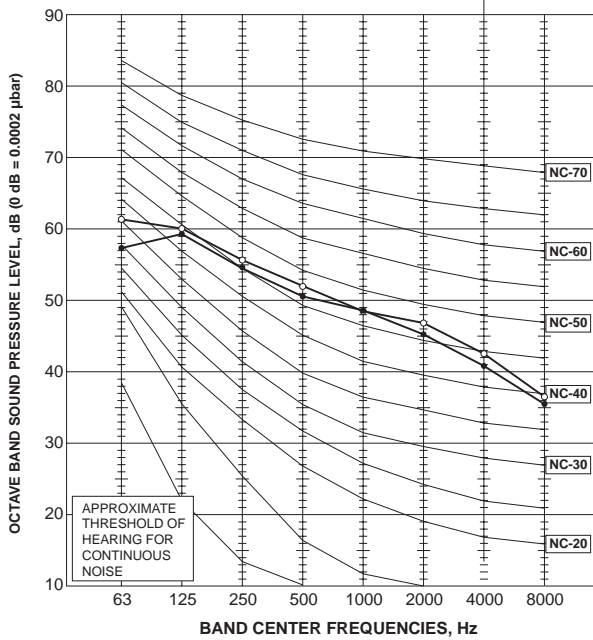
MUZ-HM18NA2

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



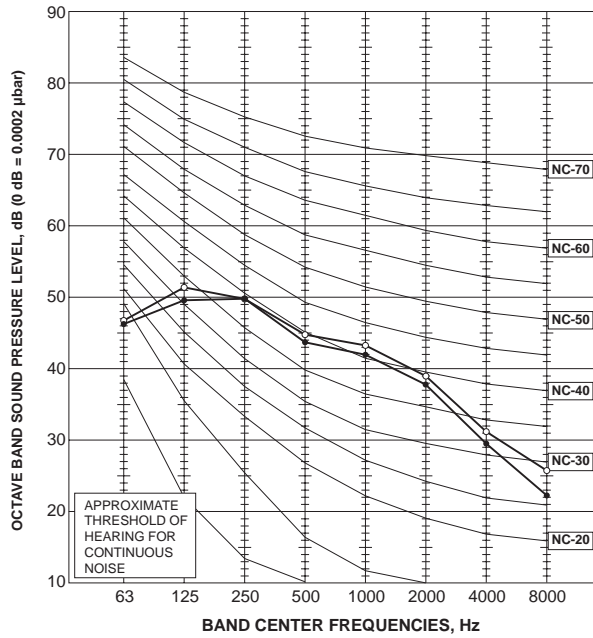
MUZ-HM24NA2

NOTCH	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	55	○—○



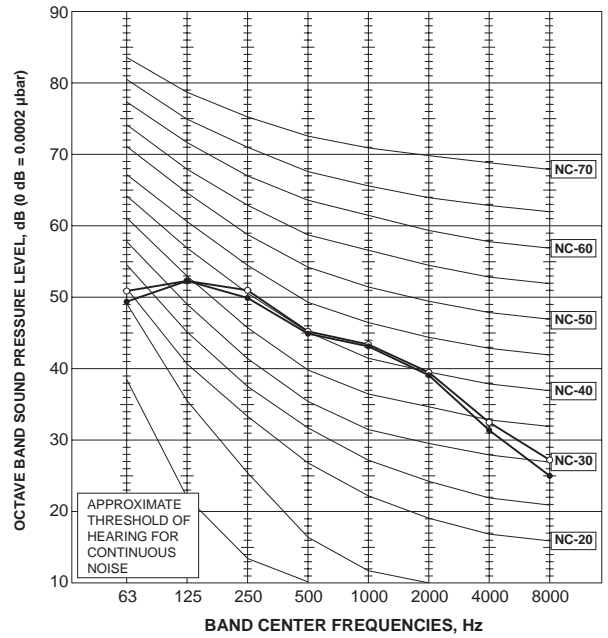
MUZ-FH06NA
MUZ-FH06NAH

NOTCH	SPL(dB(A))	LINE
COOLING	47	●—●
HEATING	48	○—○



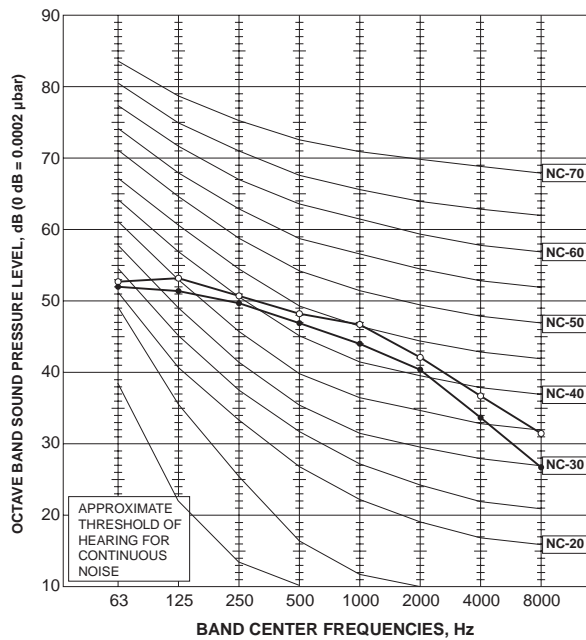
MUZ-FH09NA
MUZ-FH09NAH

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	49	○—○



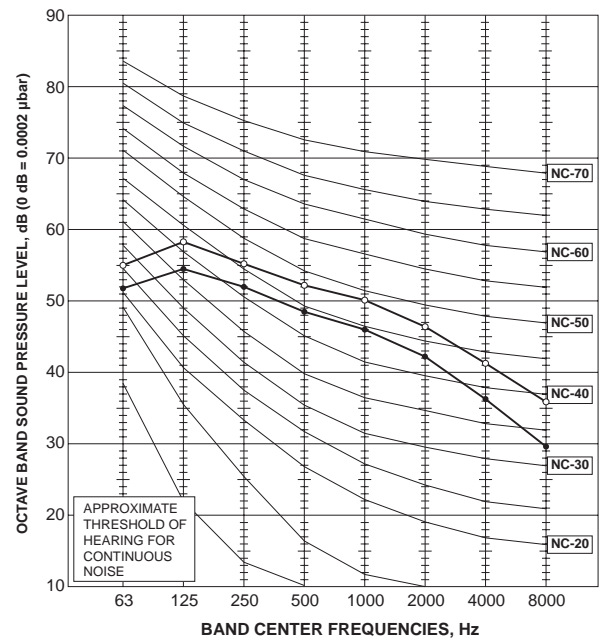
MUZ-FH12NA
MUZ-FH12NAH

NOTCH	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



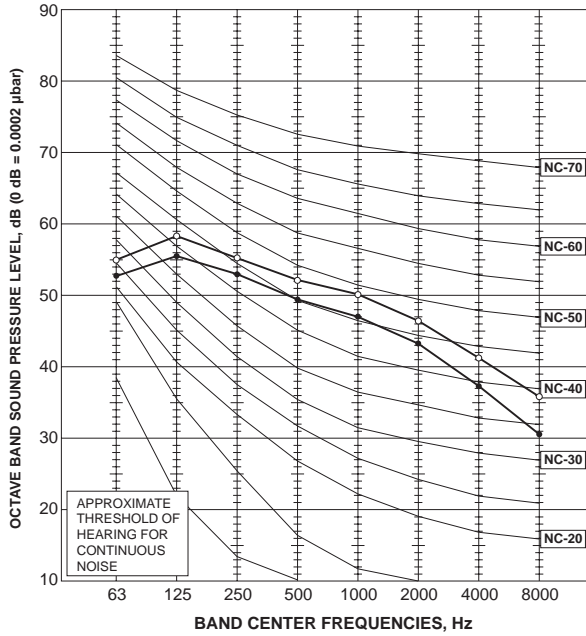
MUZ-FH15NA
MUZ-FH15NAH

NOTCH	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	55	○—○



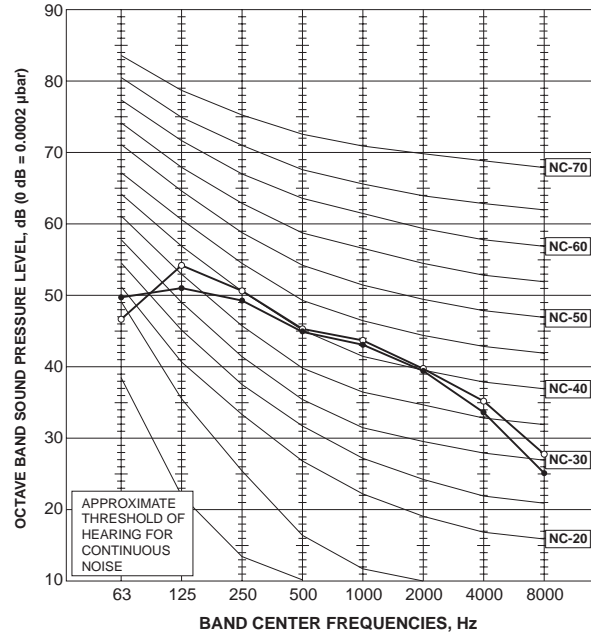
MUZ-FH18NA2
MUZ-FH18NAH2

NOTCH	SPL(dB(A))	LINE
COOLING	52	●—●
HEATING	55	○—○



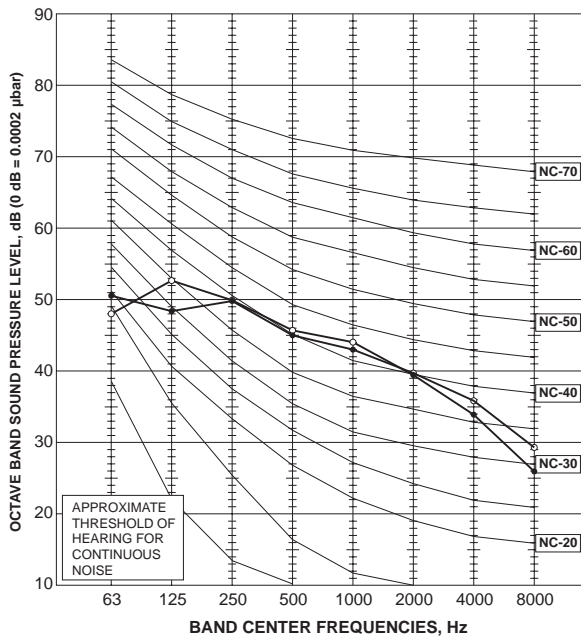
MUZ-FE09NAH

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	49	○—○



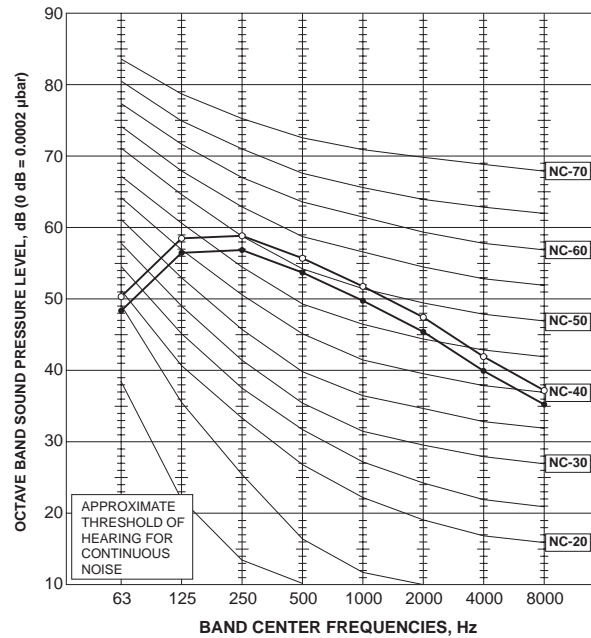
MUZ-FE12NAH

NOTCH	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	49	○—○



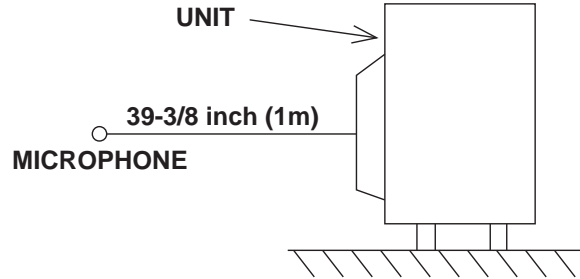
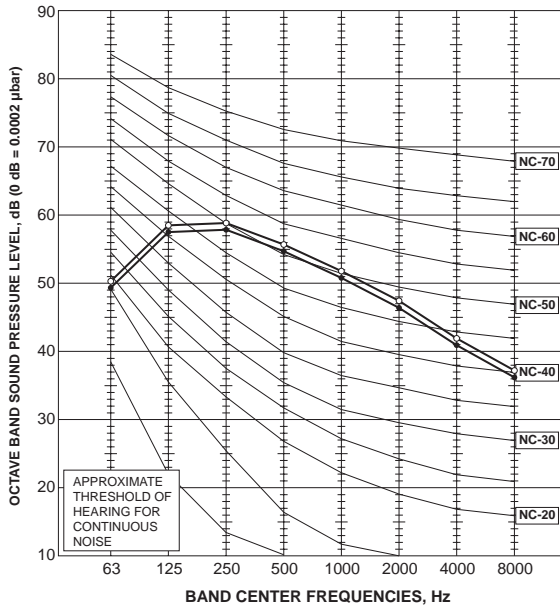
MUZ-D30NA
MUY-D30NA

NOTCH	SPL(dB(A))	LINE
COOLING	55	●—●
HEATING	57	○—○



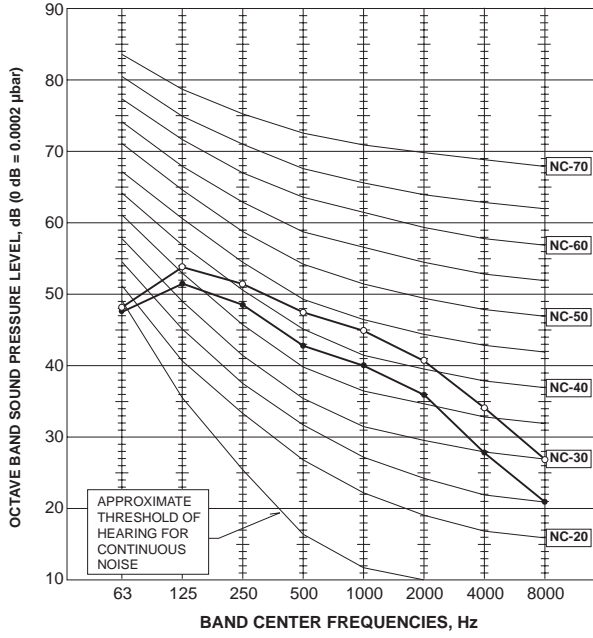
MUZ-D36NA
MUY-D36NA

NOTCH	SPL(dB(A))	LINE
COOLING	56	●—●
HEATING	57	○—○



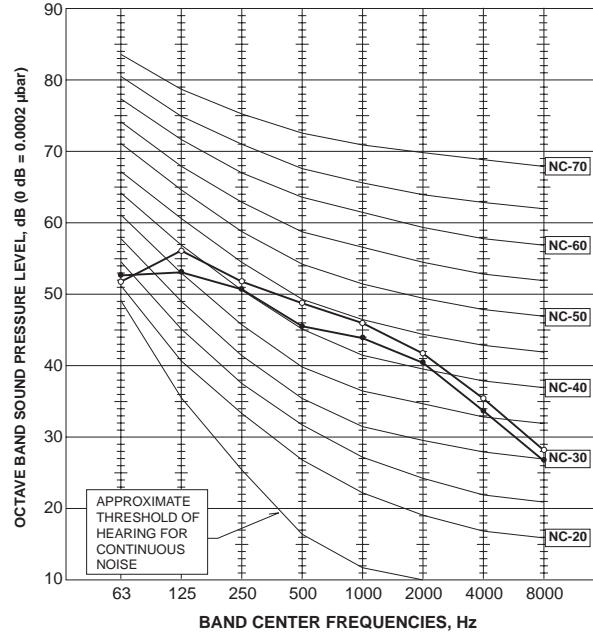
SUZ-KA09NA

FUNCTION	SPL(dB(A))	LINE
COOLING	46	●—●
HEATING	50	○—○



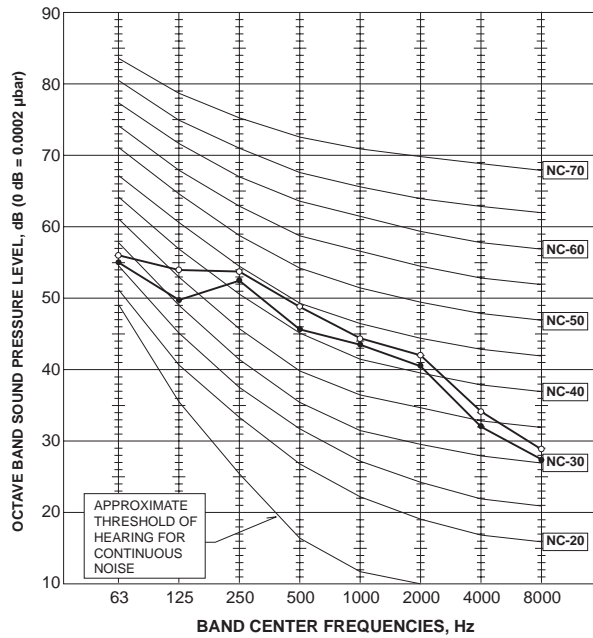
SUZ-KA12NA

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



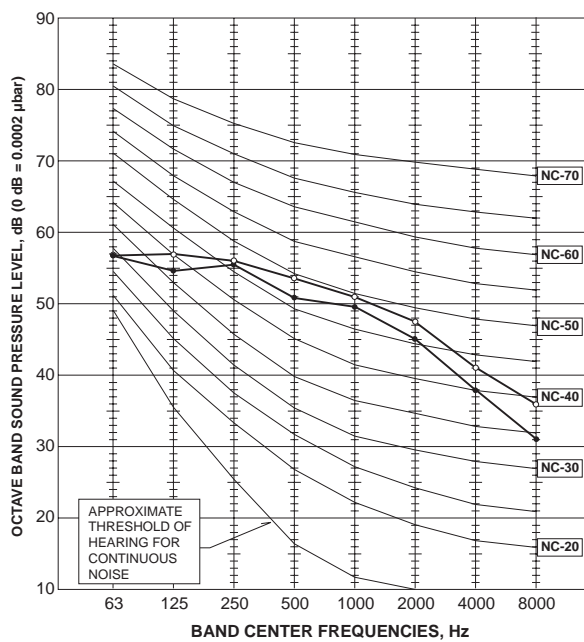
SUZ-KA15NA

FUNCTION	SPL(dB(A))	LINE
COOLING	49	●—●
HEATING	51	○—○



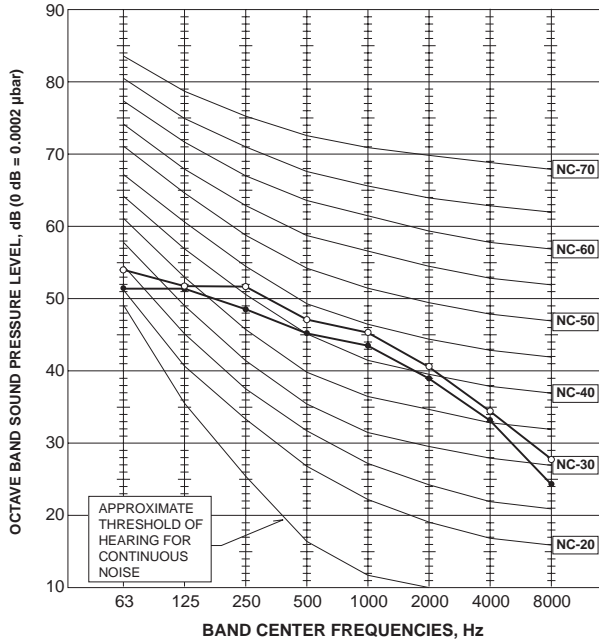
SUZ-KA18NA

FUNCTION	SPL(dB(A))	LINE
COOLING	54	●—●
HEATING	56	○—○



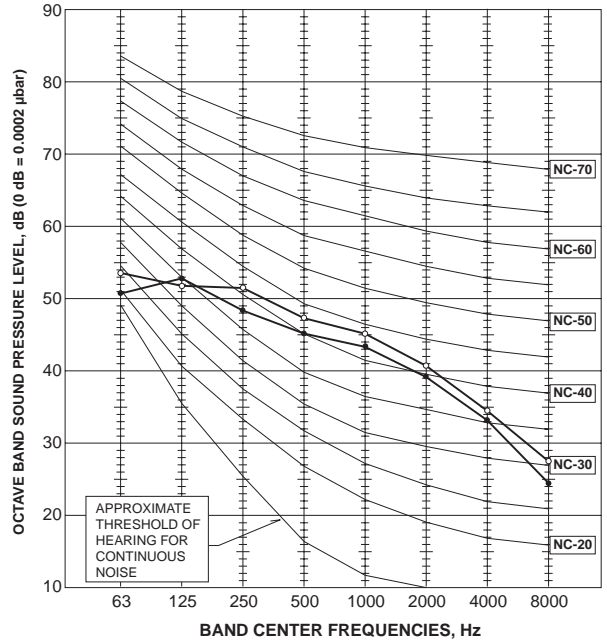
MUFZ-KJ09NAHZ

FUNCTION	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



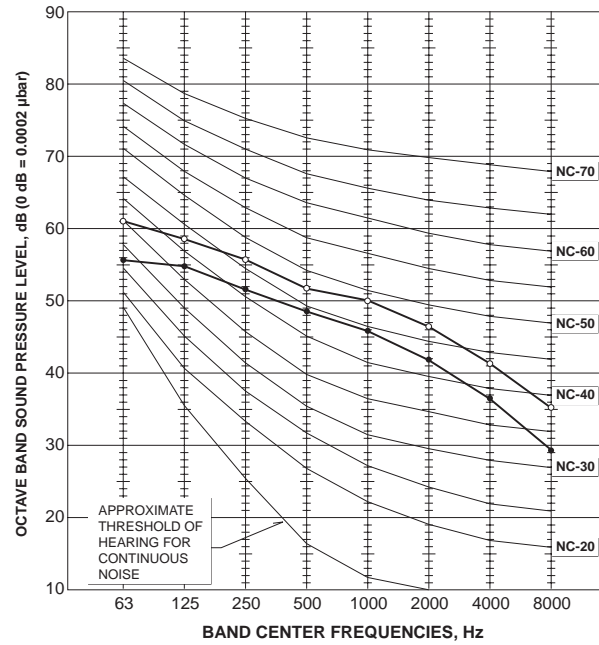
MUFZ-KJ12NAHZ

FUNCTION	SPL(dB(A))	LINE
COOLING	48	●—●
HEATING	50	○—○



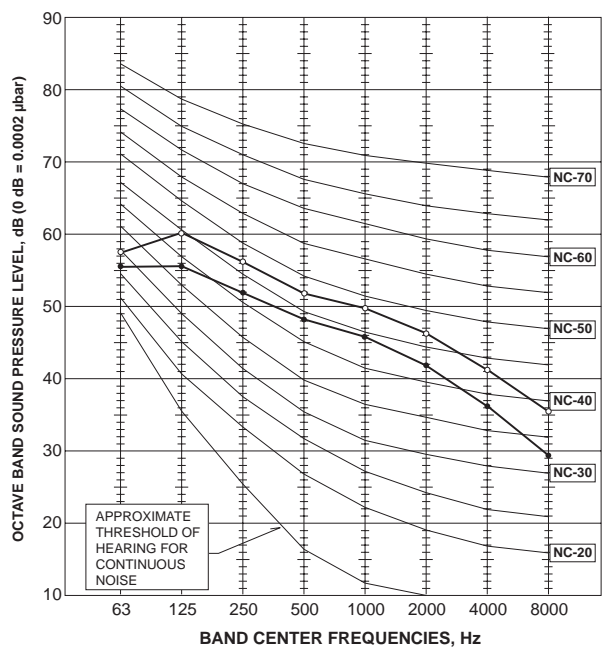
MUFZ-KJ15NAHZ

FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	55	○—○



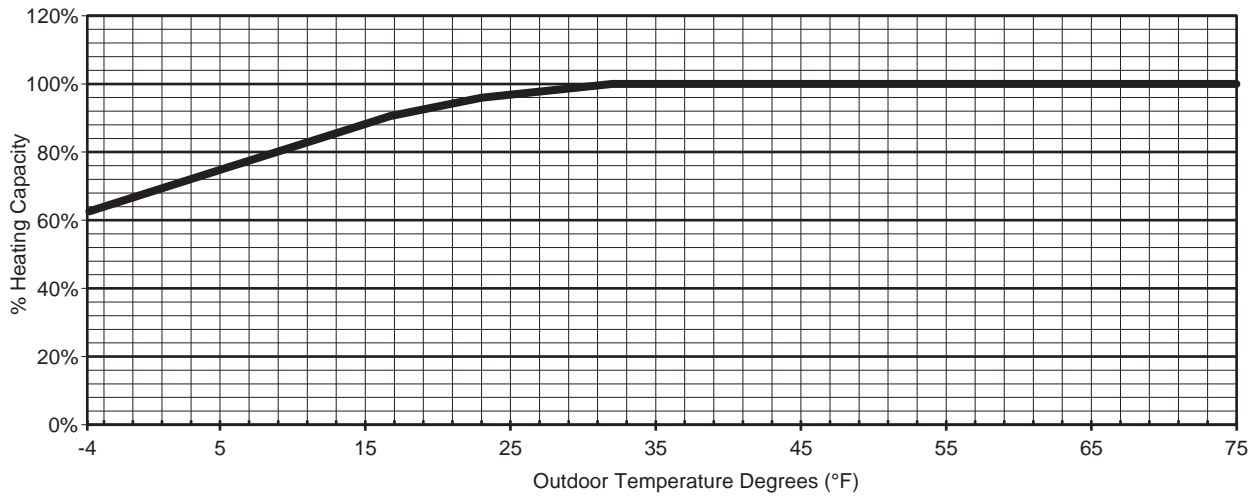
MUFZ-KJ18NAHZ

FUNCTION	SPL(dB(A))	LINE
COOLING	51	●—●
HEATING	55	○—○



11 | MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

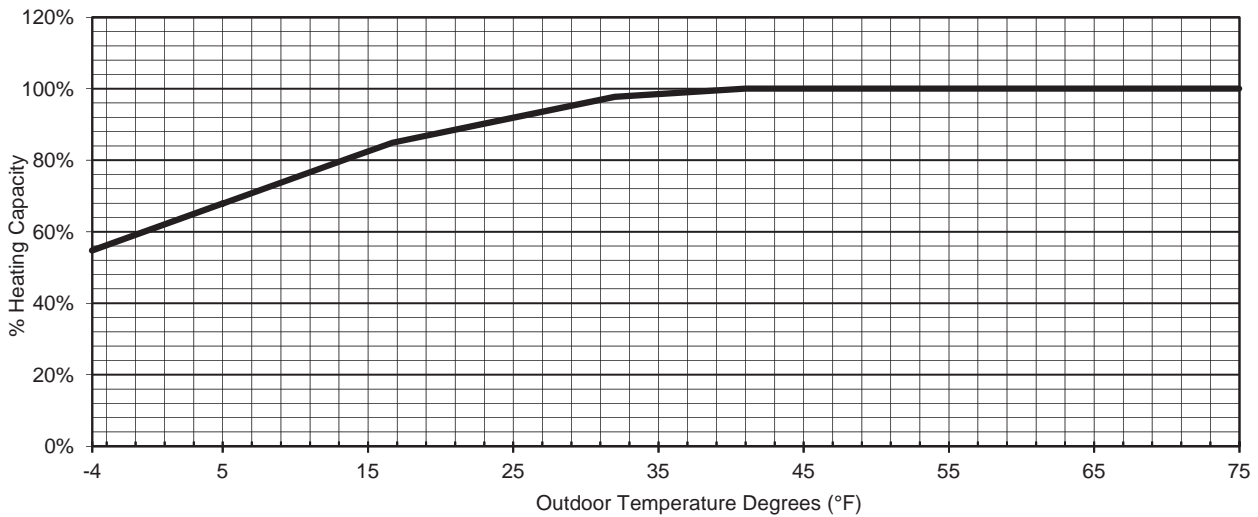
MUZ-GL09NA MUZ-GL09NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	63%	75%	87%	96%	100%	100%	100%	100%	100%

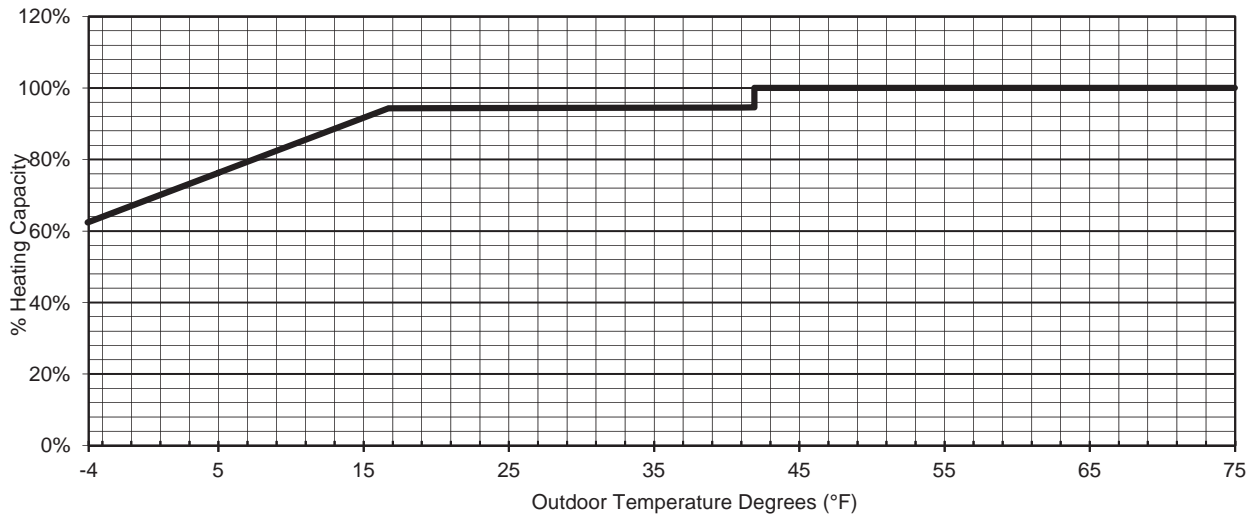
MUZ-GL12NA MUZ-GL12NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	55%	68%	81%	90%	98%	100%	100%	100%	100%

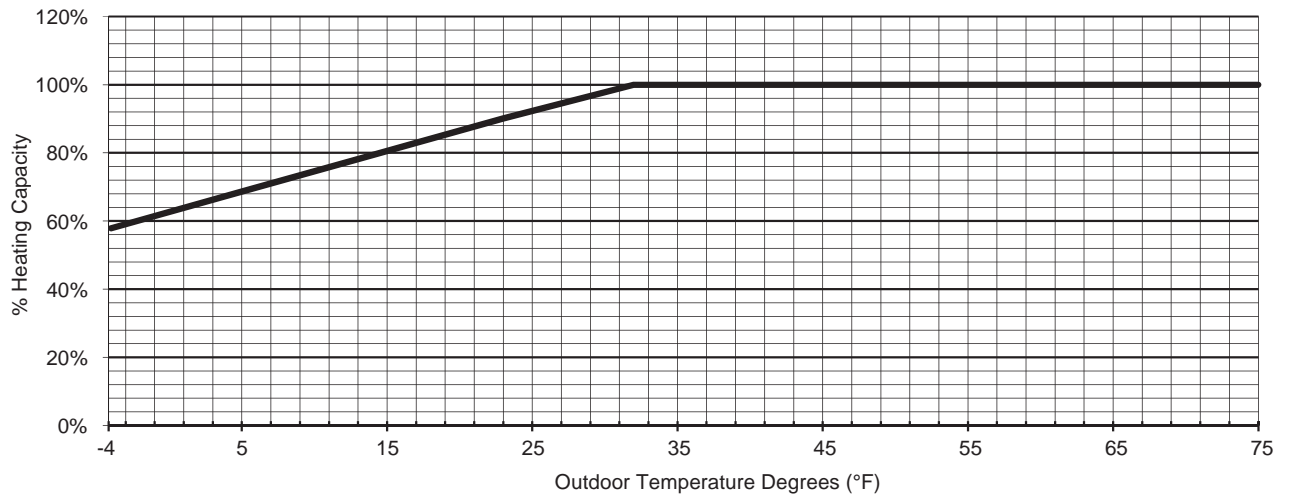
MUZ-GL15NA MUZ-GL15NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	62%	76%	90%	94%	94%	95%	100%	100%	100%

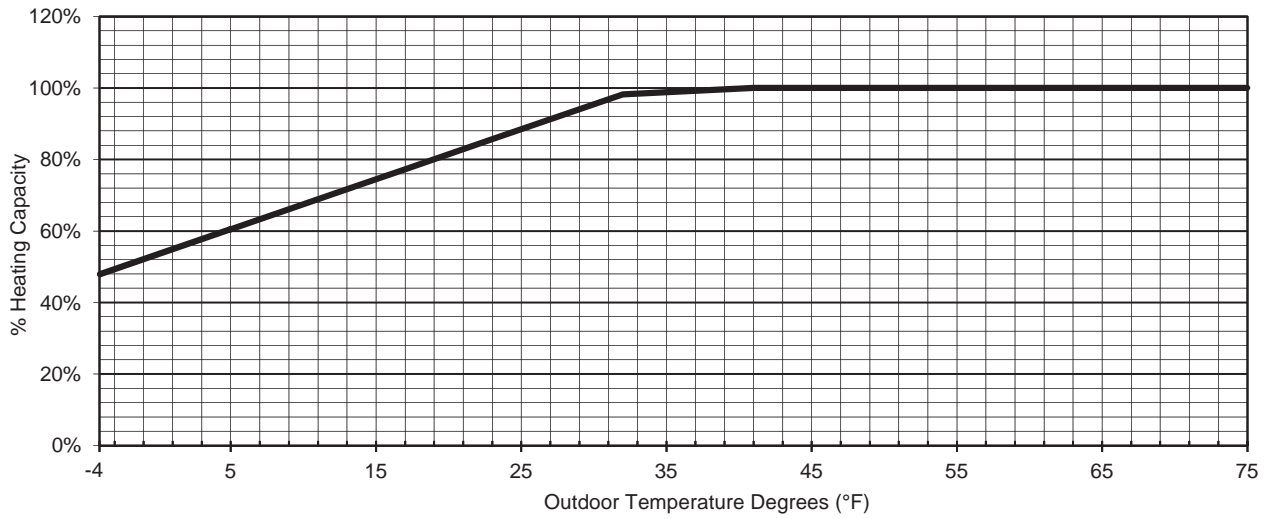
MUZ-GL18NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	58%	69%	79%	90%	100%	100%	100%	100%	100%

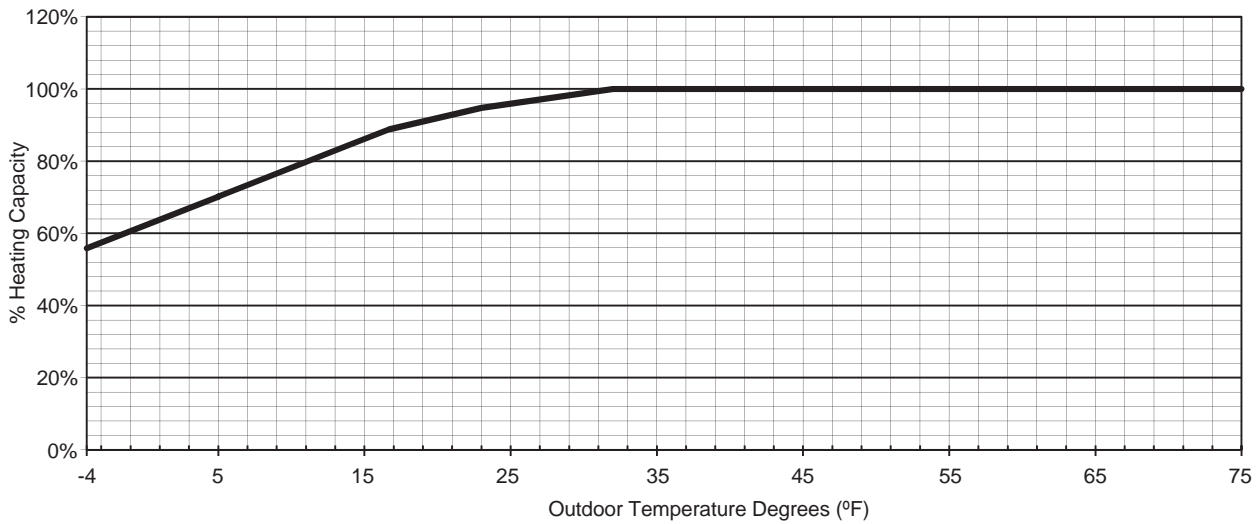
MUZ-GL18NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	48%	60%	73%	86%	98%	100%	100%	100%	100%

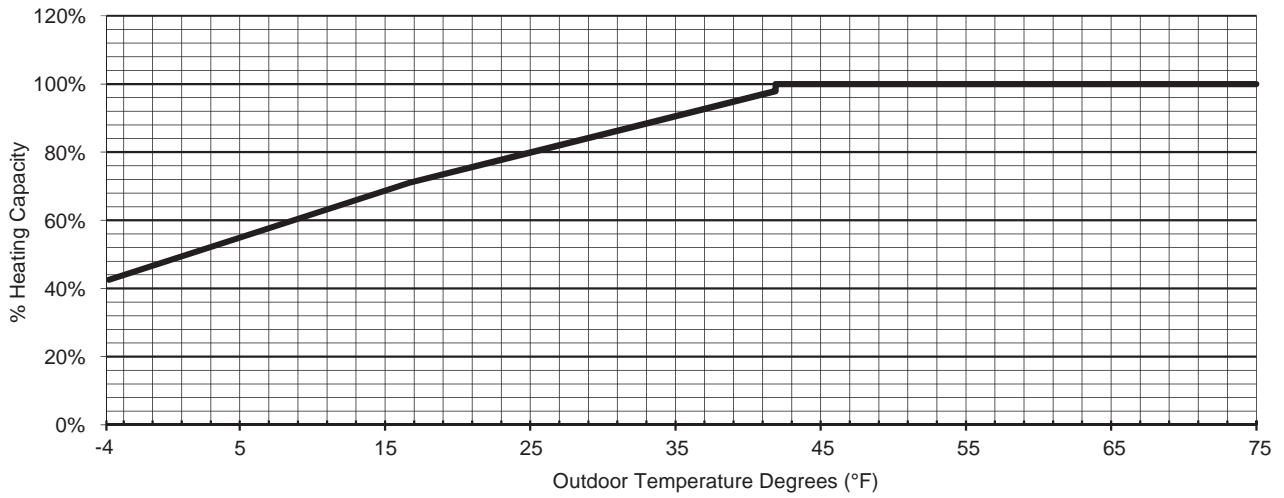
MUZ-GL24NA MUZ-GL24NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	56%	70%	85%	95%	100%	100%	100%	100%	100%

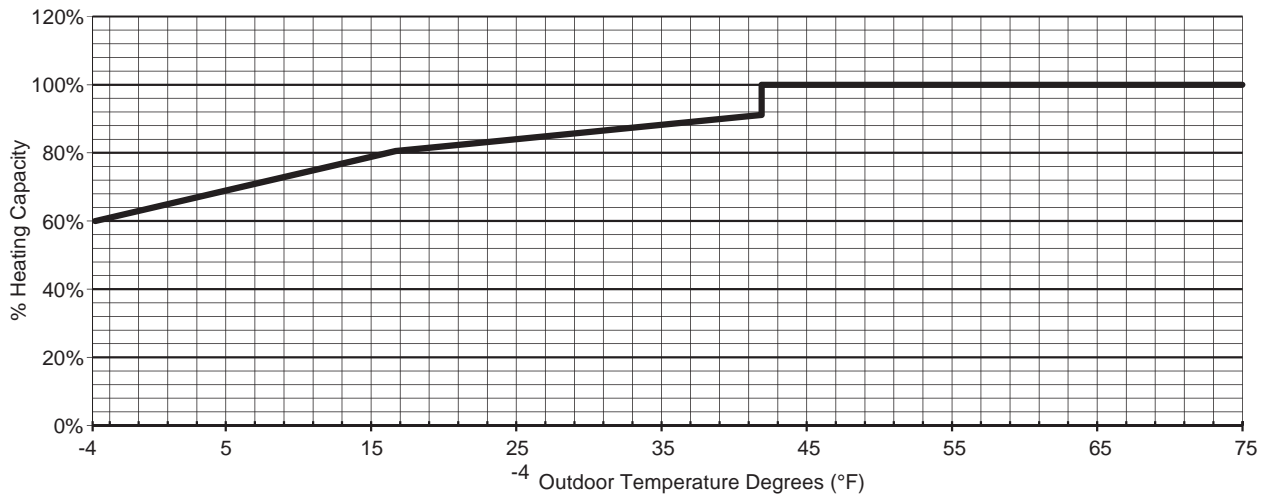
MUZ-HM09NA2 - [U1]



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	43%	55%	67%	78%	87%	97%	100%	100%	100%

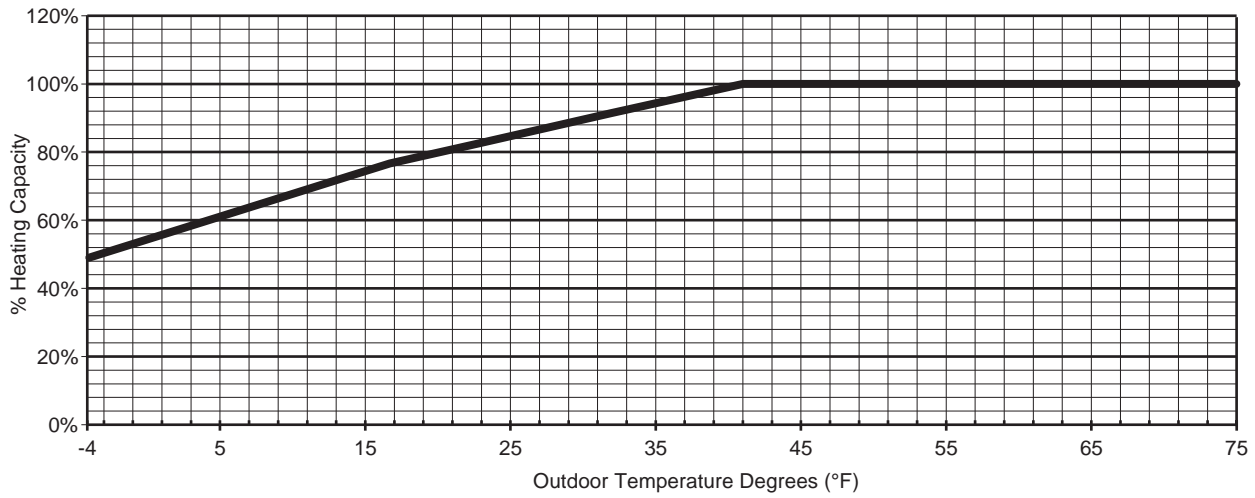
MUZ-HM09NA2 - [U8]



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	60%	69%	78%	83%	87%	91%	100%	100%	100%

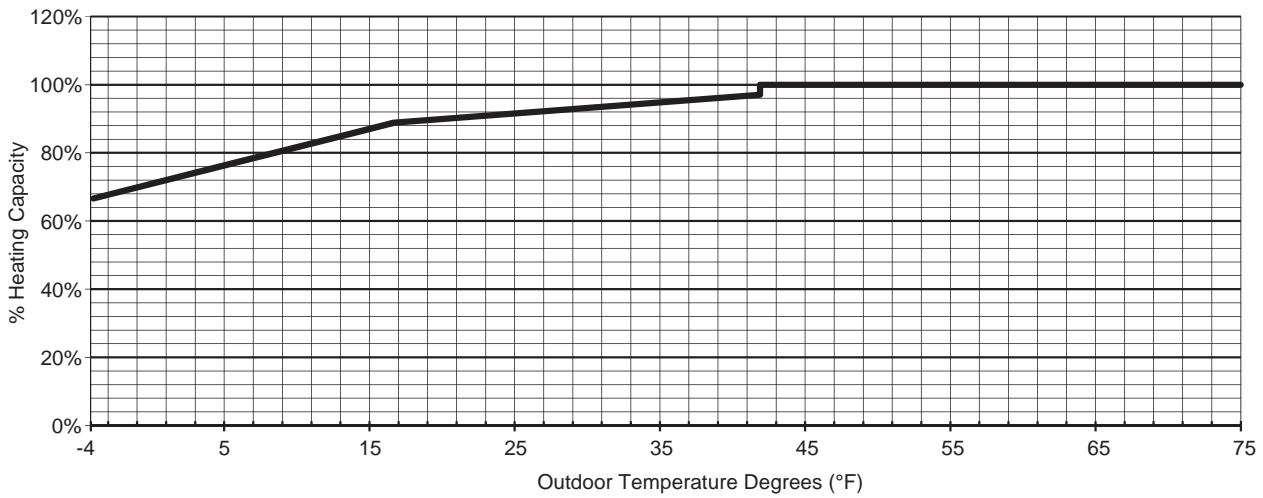
MUZ-HM12NA2 - U1



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	48%	61%	74%	83%	92%	100%	100%	100%	100%

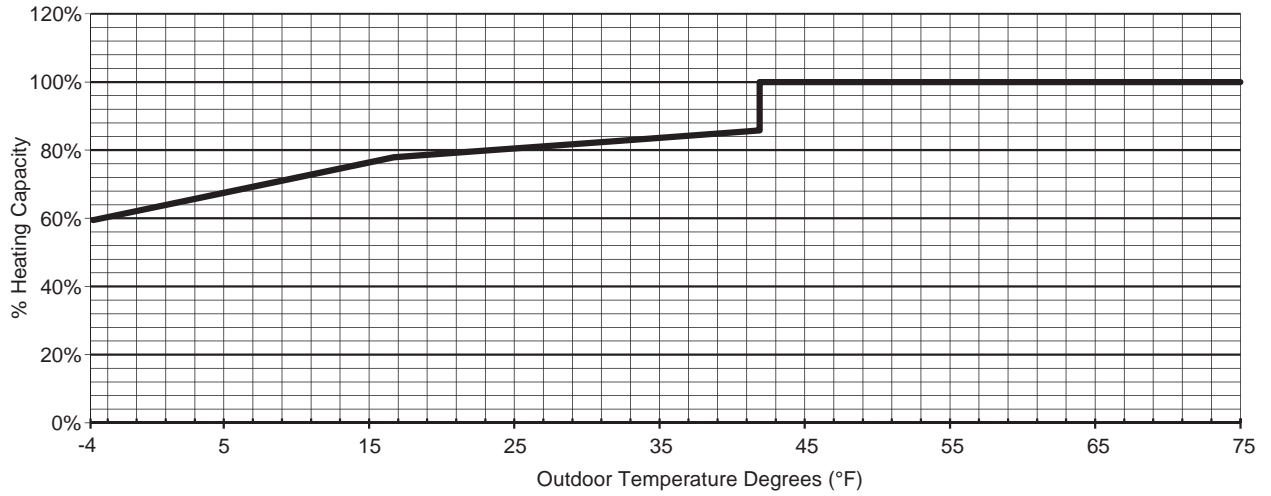
MUZ-HM12NA2 - U8



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	67%	76%	86%	91%	94%	97%	100%	100%	100%

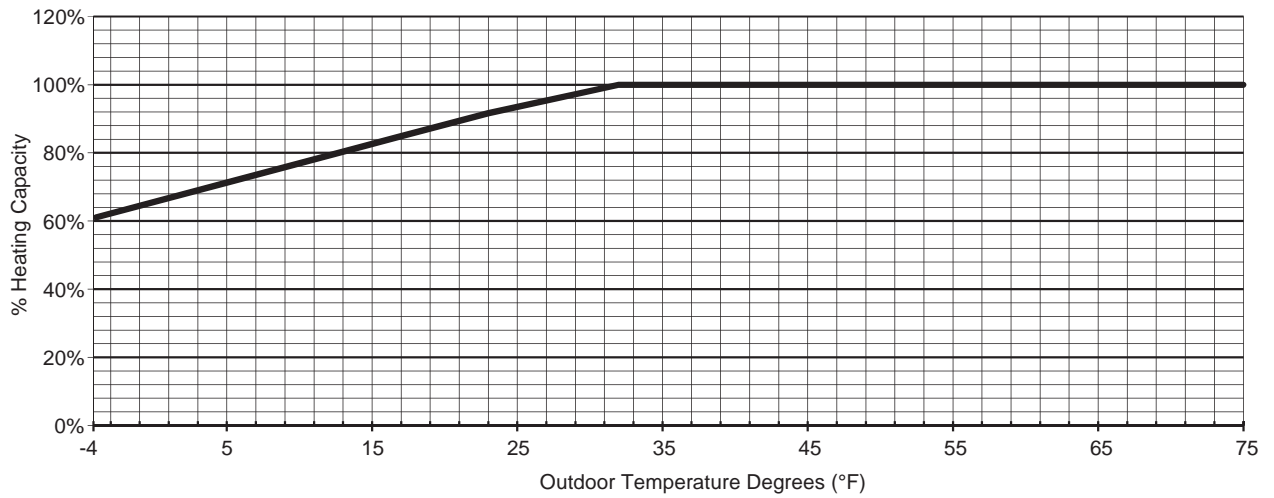
MUZ-HM15NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	59%	68%	76%	80%	83%	85%	100%	100%	100%

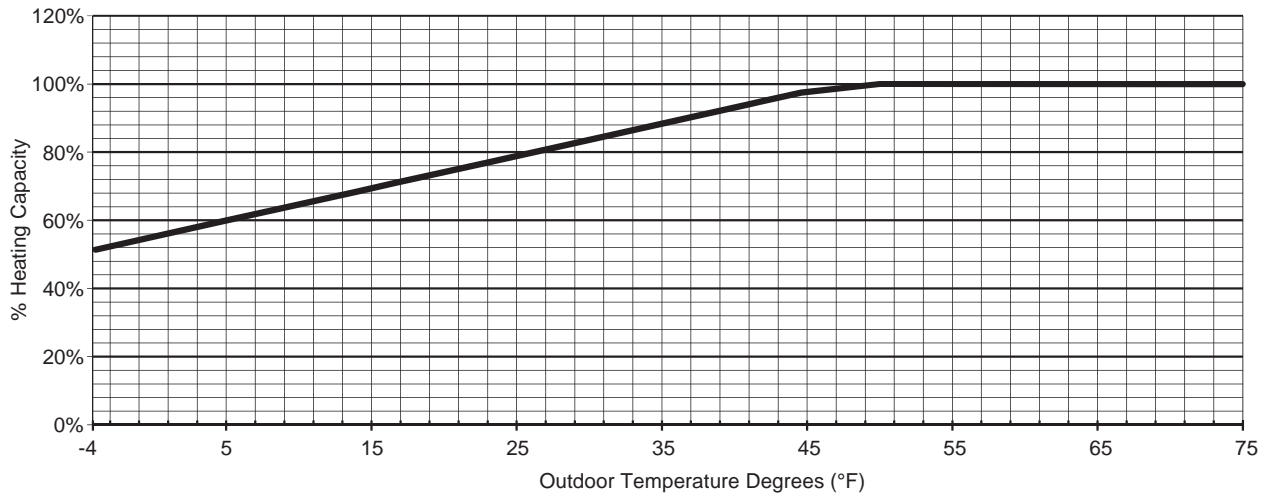
MUZ-HM18NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	61%	71%	81%	92%	100%	100%	100%	100%	100%

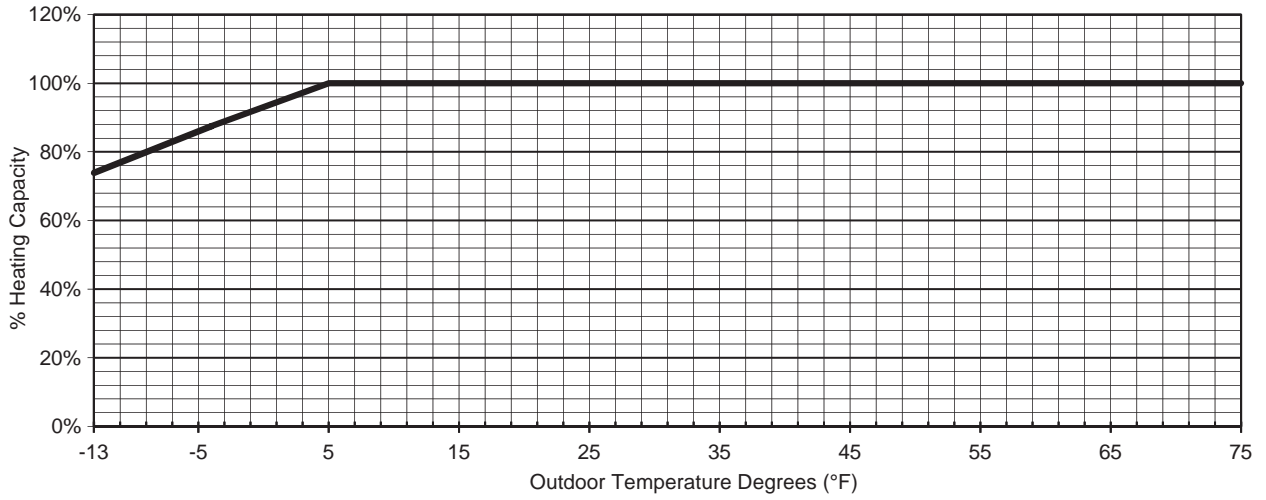
MUZ-HM24NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	51%	60%	68%	77%	86%	94%	100%	100%	100%

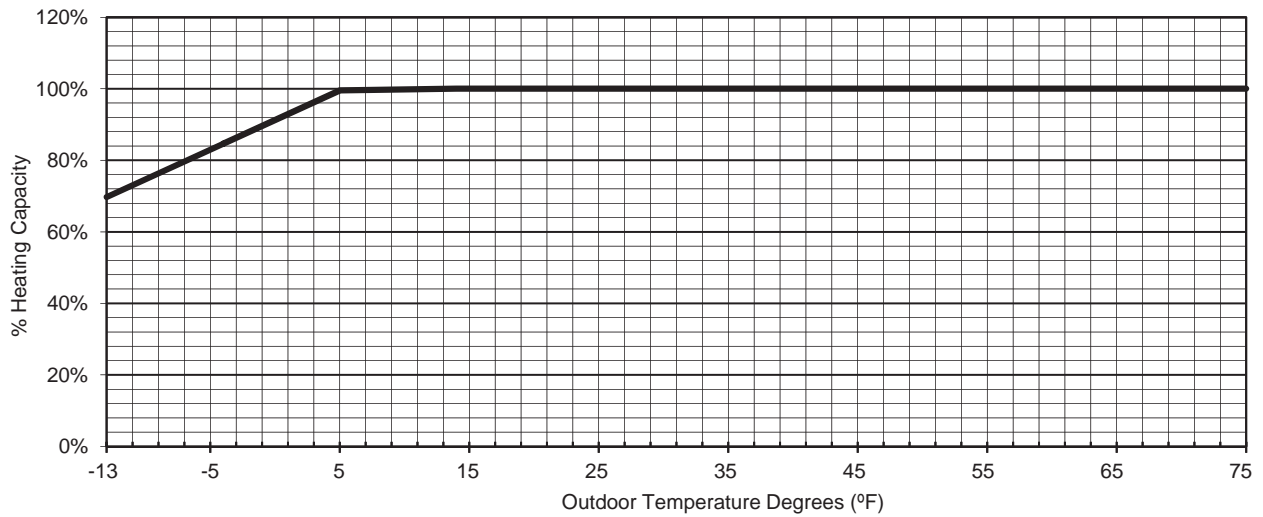
MUZ-FH06NA MUZ-FH06NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	74%	88%	100%	100%	100%	100%	100%	100%	100%	100%

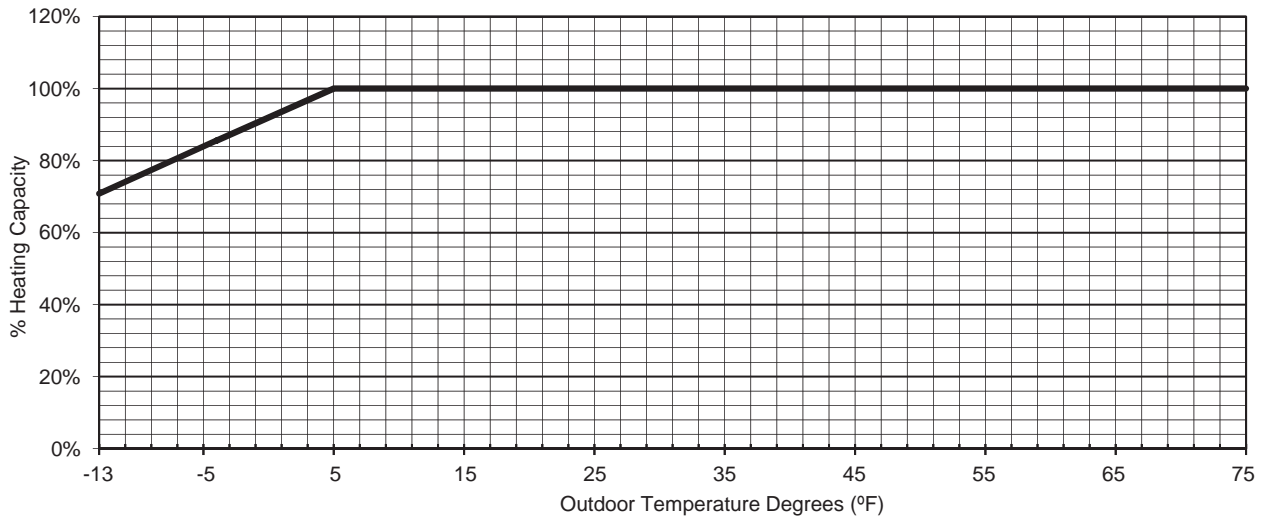
MUZ-FH09NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	70%	85%	100%	100%	100%	100%	100%	100%	100%	100%

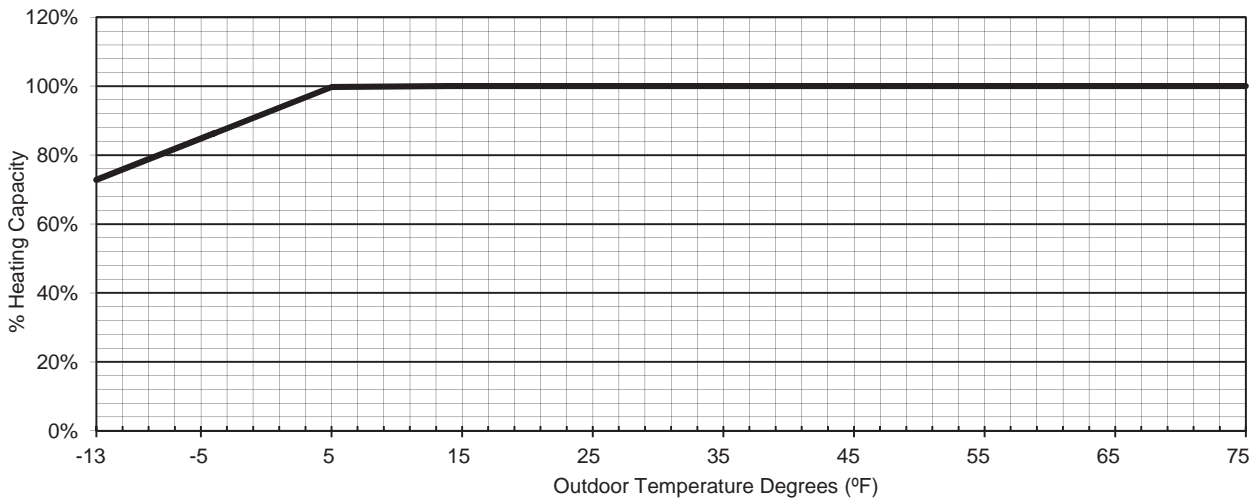
MUZ-FH09NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	71%	86%	100%	100%	100%	100%	100%	100%	100%	100%

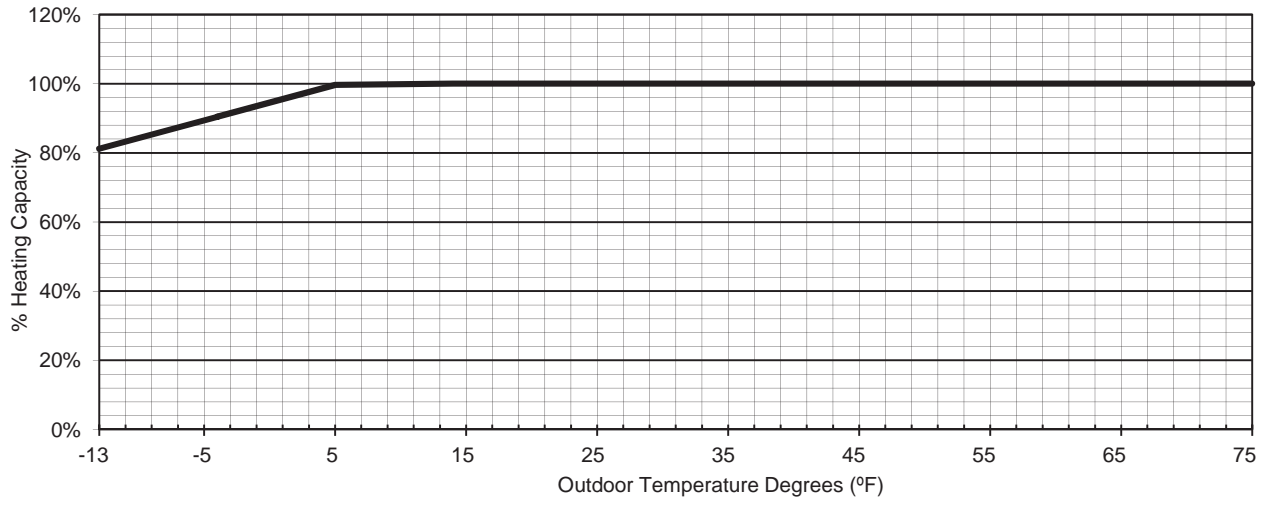
MUZ-FH12NA MUZ-FH12NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	73%	86%	100%	100%	100%	100%	100%	100%	100%	100%

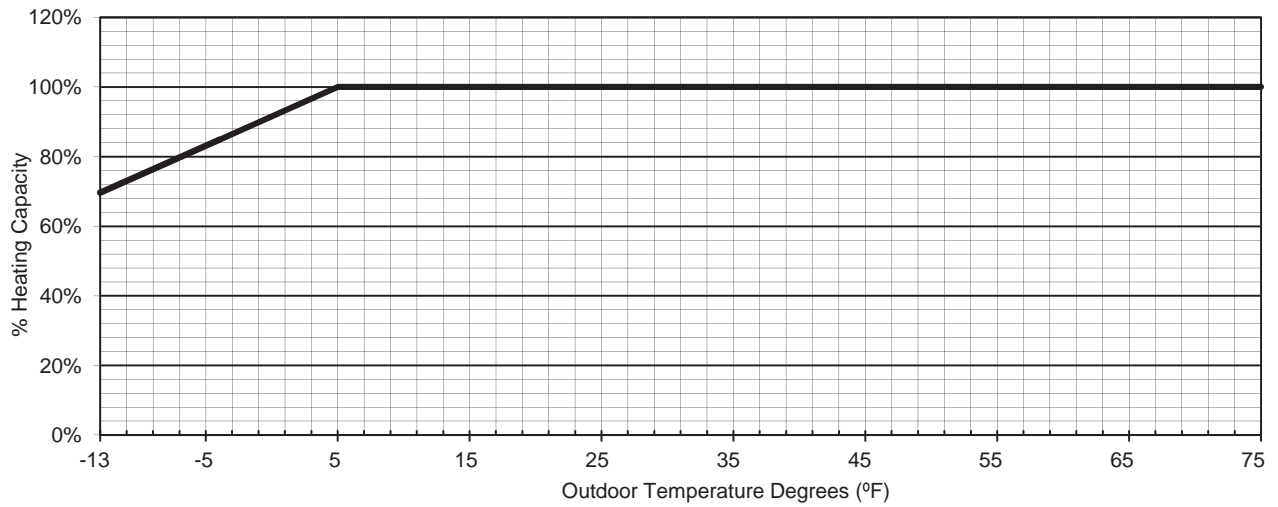
MUZ-FH15NA MUZ-FH15NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	81%	90%	100%	100%	100%	100%	100%	100%	100%	100%

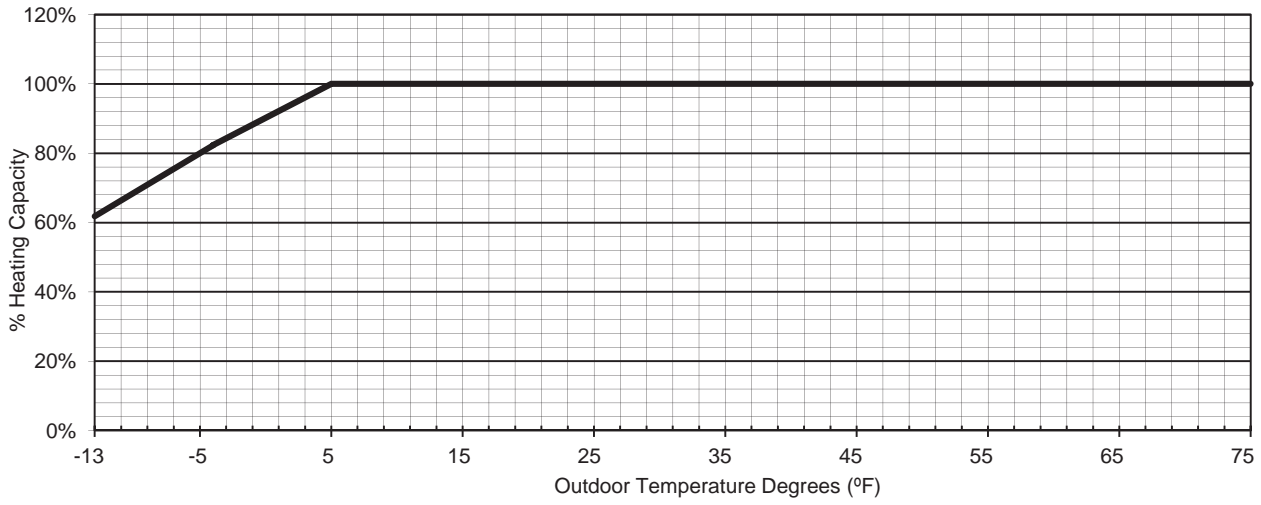
MUZ-FH18NA2 MUZ-FH18NAH2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	70%	85%	100%	100%	100%	100%	100%	100%	100%	100%

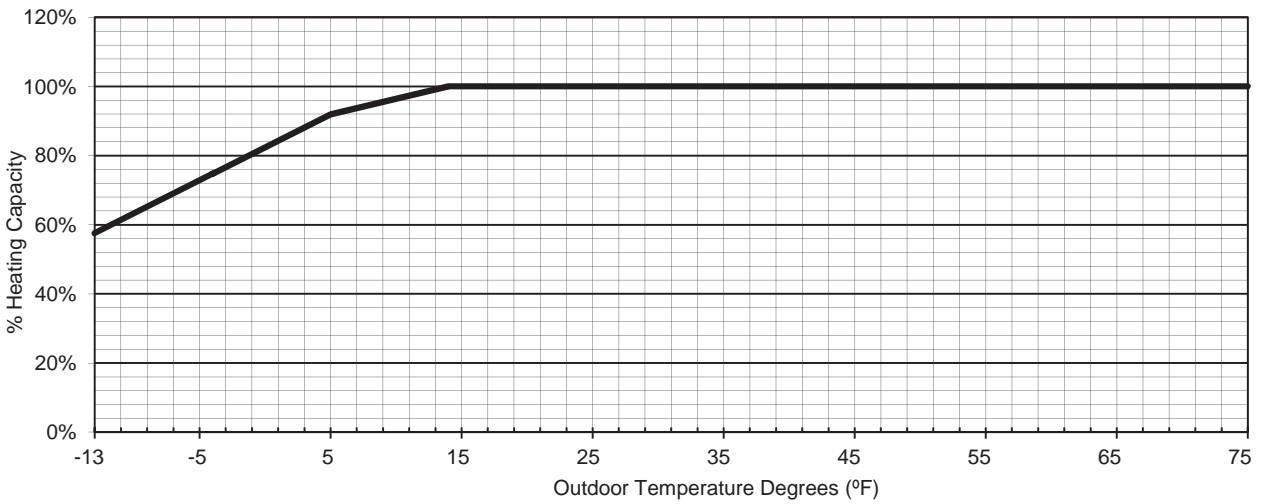
MUZ-FE09NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	62%	82%	100%	100%	100%	100%	100%	100%	100%	100%

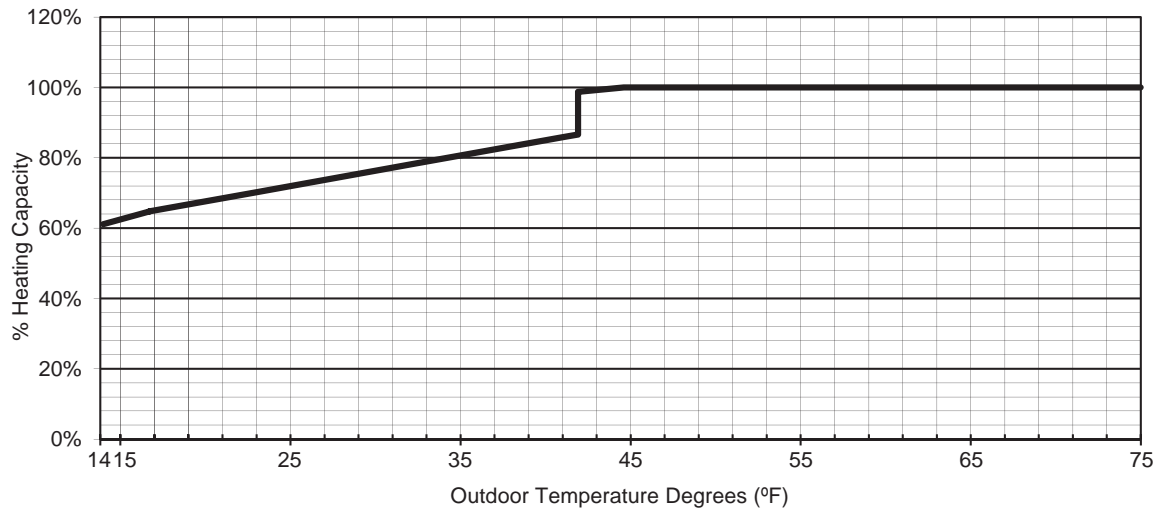
MUZ-FE12NAH



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	58%	75%	92%	100%	100%	100%	100%	100%	100%	100%

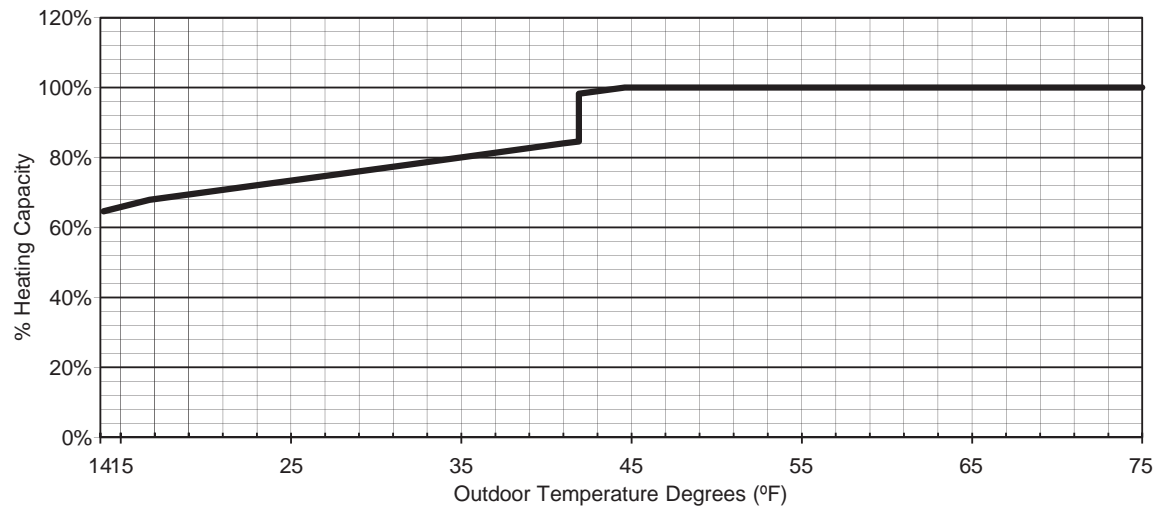
MUZ-D30NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	61%	70%	78%	86%	100%	100%	100%

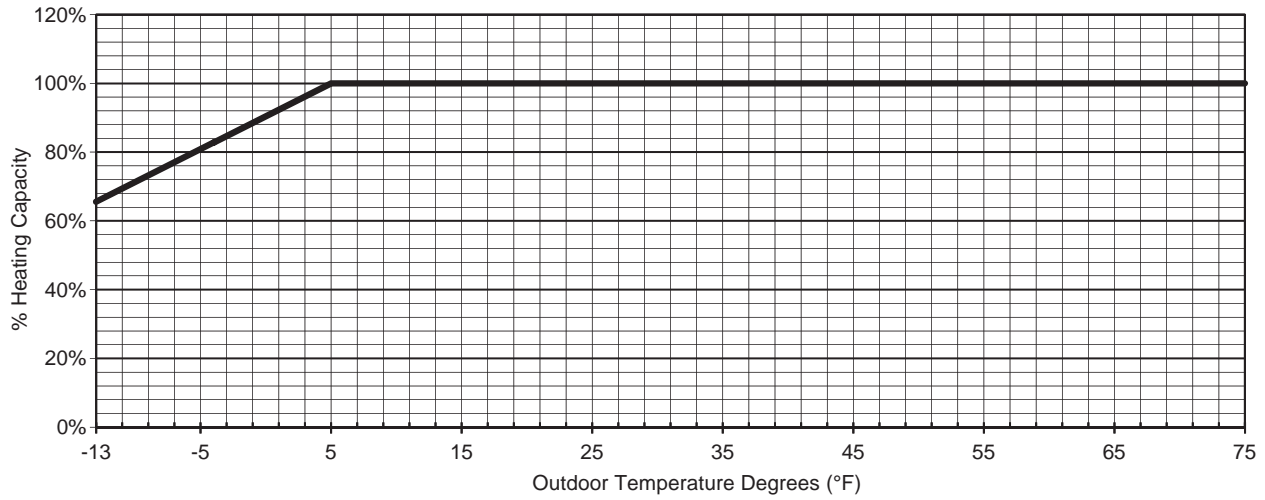
MUZ-D36NA



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	65%	72%	78%	84%	100%	100%	100%

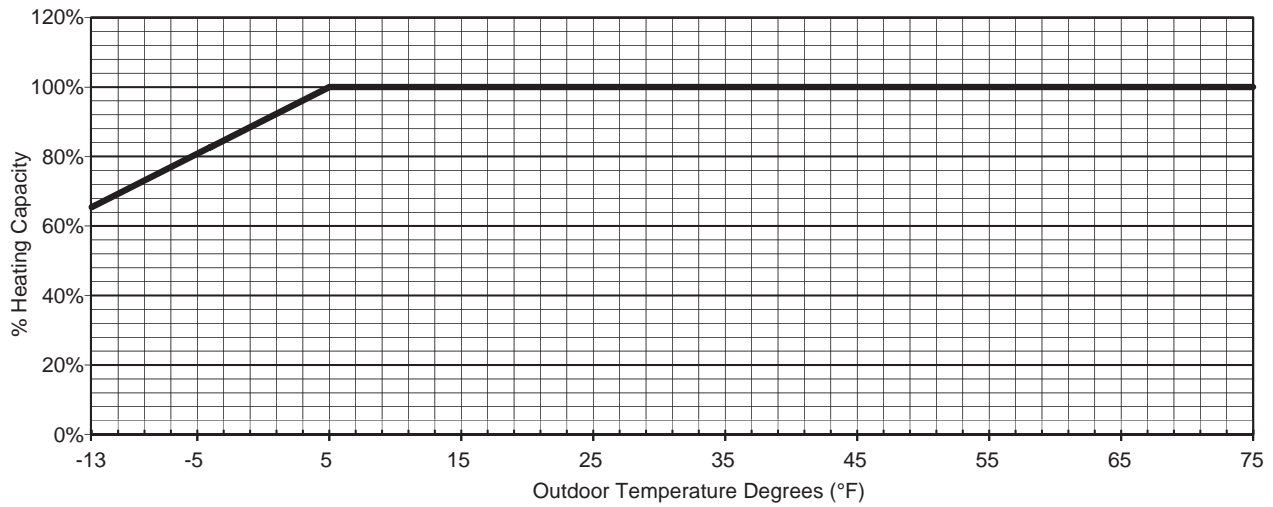
MUFZ-KJ09NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	66%	83%	100%	100%	100%	100%	100%	100%	100%	100%

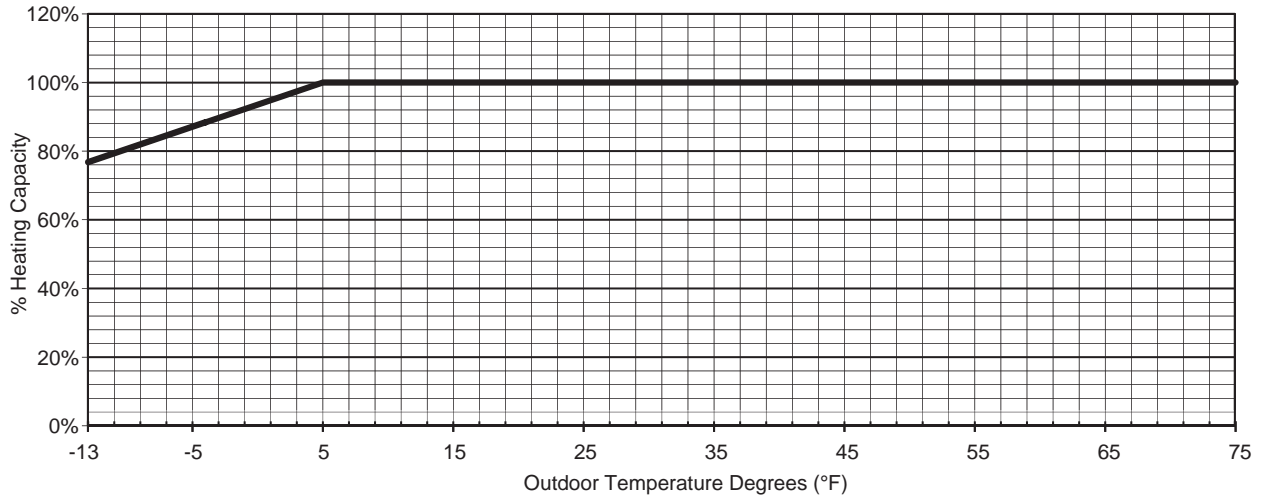
MUFZ-KJ12NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	65%	83%	100%	100%	100%	100%	100%	100%	100%	100%

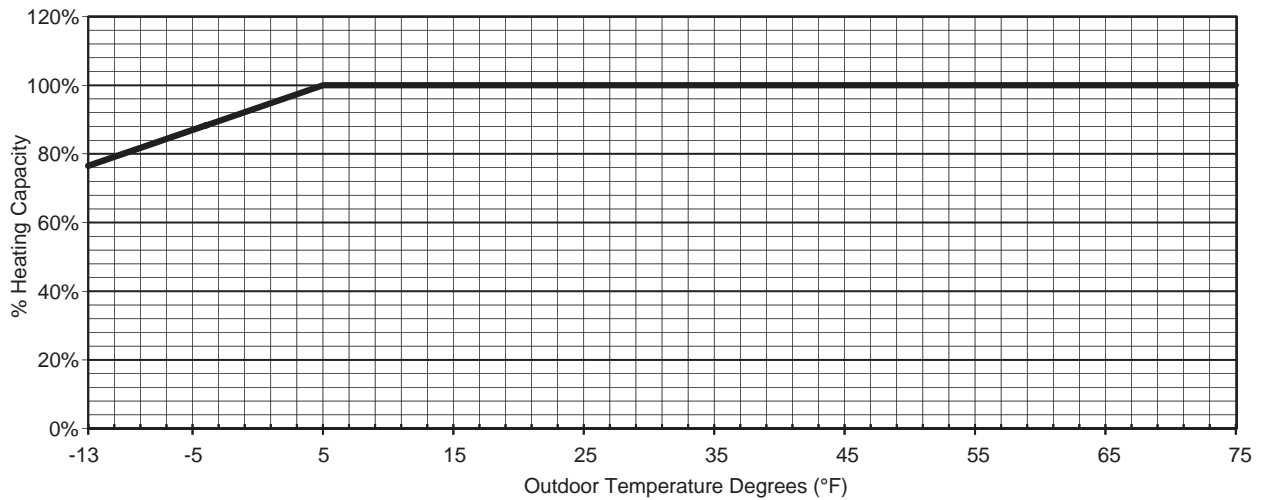
MUFZ-KJ15NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	77%	88%	100%	100%	100%	100%	100%	100%	100%	100%

MUFZ-KJ18NAHZ



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	69.8	75.0
% Heating Capacity	77%	88%	100%	100%	100%	100%	100%	100%	100%	100%

12 | PERFORMANCE CHART

12-1. NON INVERTER COOLING CAPACITY MU-A09WA

CAPACITY (Btu/h): 9500 INPUT: 870 (W) SHF: 0.68

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11163	5581	0.50	696	10688	5344	0.50	731	10260	5130	0.50	766	9880	4940	0.50	800
70	68	11638	4422	0.38	731	11163	4242	0.38	774	10830	4115	0.38	792	10450	3971	0.38	827
72	64	11163	6028	0.54	696	10688	5771	0.54	731	10260	5540	0.54	766	9880	5335	0.54	800
72	68	11638	4888	0.42	731	11163	4688	0.42	774	10830	4549	0.42	792	10450	4389	0.42	827
72	72	12113	3634	0.30	757	11685	3506	0.30	805	11400	3420	0.30	827	10925	3278	0.30	861
73	64	11163	6474	0.58	696	10688	6199	0.58	731	10260	5951	0.58	766	9880	5730	0.58	800
73	68	11638	5353	0.46	731	11163	5135	0.46	774	10830	4982	0.46	792	10450	4807	0.46	827
73	72	12113	4118	0.34	757	11685	3973	0.34	805	11400	3876	0.34	827	10925	3715	0.34	861
75	64	11163	6921	0.62	696	10688	6626	0.62	731	10260	6361	0.62	766	9880	6126	0.62	800
75	68	11638	5819	0.50	731	11163	5581	0.50	774	10830	5415	0.50	792	10450	5225	0.50	827
75	72	12113	4603	0.38	757	11685	4440	0.38	805	11400	4332	0.38	827	10925	4152	0.38	861
75	75	12730	3310	0.26	792	12255	3186	0.26	835	11970	3112	0.26	861	11590	3013	0.26	905
77	64	11163	7367	0.66	696	10688	7054	0.66	731	10260	6772	0.66	766	9880	6521	0.66	800
77	68	11638	6284	0.54	731	11163	6028	0.54	774	10830	5848	0.54	792	10450	5643	0.54	827
77	72	12113	5087	0.42	757	11685	4908	0.42	805	11400	4788	0.42	827	10925	4589	0.42	861
77	75	12730	3819	0.30	792	12255	3677	0.30	835	11970	3591	0.30	861	11590	3477	0.30	905
79	64	11163	7814	0.70	696	10688	7481	0.70	731	10260	7182	0.70	766	9880	6916	0.70	800
79	68	11638	6750	0.58	731	11163	6474	0.58	774	10830	6281	0.58	792	10450	6061	0.58	827
79	72	12113	5572	0.46	757	11685	5375	0.46	805	11400	5244	0.46	827	10925	5026	0.46	861
79	75	12730	4328	0.34	792	12255	4167	0.34	835	11970	4070	0.34	861	11590	3941	0.34	905
79	79	13110	2884	0.22	835	12730	2801	0.22	879	12540	2759	0.22	905	12160	2675	0.22	931
81	64	11163	8260	0.74	696	10688	7909	0.74	731	10260	7592	0.74	766	9880	7311	0.74	800
81	68	11638	7215	0.62	731	11163	6921	0.62	774	10830	6715	0.62	792	10450	6479	0.62	827
81	72	12113	6056	0.50	757	11685	5843	0.50	805	11400	5700	0.50	827	10925	5463	0.50	861
81	75	12730	4837	0.38	792	12255	4657	0.38	835	11970	4549	0.38	861	11590	4404	0.38	905
81	79	13110	3409	0.26	835	12730	3310	0.26	879	12540	3260	0.26	905	12160	3162	0.26	931
82	64	11163	8707	0.78	696	10688	8336	0.78	731	10260	8003	0.78	766	9880	7706	0.78	800
82	68	11638	7681	0.66	731	11163	7367	0.66	774	10830	7148	0.66	792	10450	6897	0.66	827
82	72	12113	6541	0.54	757	11685	6310	0.54	805	11400	6156	0.54	827	10925	5900	0.54	861
82	75	12730	5347	0.42	792	12255	5147	0.42	835	11970	5027	0.42	861	11590	4868	0.42	905
82	79	13110	3933	0.30	835	12730	3819	0.30	879	12540	3762	0.30	905	12160	3648	0.30	931
84	64	11163	9153	0.82	696	10688	8764	0.82	731	10260	8413	0.82	766	9880	8102	0.82	800
84	68	11638	8146	0.70	731	11163	7814	0.70	774	10830	7581	0.70	792	10450	7315	0.70	827
84	72	12113	7025	0.58	757	11685	6777	0.58	805	11400	6612	0.58	827	10925	6337	0.58	861
84	75	12730	5856	0.46	792	12255	5637	0.46	835	11970	5506	0.46	861	11590	5331	0.46	905
84	79	13110	4457	0.34	835	12730	4328	0.34	879	12540	4264	0.34	905	12160	4134	0.34	931
86	64	11163	9600	0.86	696	10688	9191	0.86	731	10260	8824	0.86	766	9880	8497	0.86	800
86	68	11638	8612	0.74	731	11163	8260	0.74	774	10830	8014	0.74	792	10450	7733	0.74	827
86	72	12113	7510	0.62	757	11685	7245	0.62	805	11400	7068	0.62	827	10925	6774	0.62	861
86	75	12730	6365	0.50	792	12255	6128	0.50	835	11970	5985	0.50	861	11590	5795	0.50	905
86	79	13110	4982	0.38	835	12730	4837	0.38	879	12540	4765	0.38	905	12160	4621	0.38	931
88	64	11163	10046	0.90	696	10688	9619	0.90	731	10260	9234	0.90	766	9880	8892	0.90	800
88	68	11638	9077	0.78	731	11163	8707	0.78	774	10830	8447	0.78	792	10450	8151	0.78	827
88	72	12113	7994	0.66	757	11685	7712	0.66	805	11400	7524	0.66	827	10925	7211	0.66	861
88	75	12730	6874	0.54	792	12255	6618	0.54	835	11970	6464	0.54	861	11590	6259	0.54	905
88	79	13110	5506	0.42	835	12730	5347	0.42	879	12540	5267	0.42	905	12160	5107	0.42	931
90	64	11163	10493	0.94	696	10688	10046	0.94	731	10260	9644	0.94	766	9880	9287	0.94	800
90	68	11638	9543	0.82	731	11163	9153	0.82	774	10830	8881	0.82	792	10450	8569	0.82	827
90	72	12113	8479	0.70	757	11685	8180	0.70	805	11400	7980	0.70	827	10925	7648	0.70	861
90	75	12730	7383	0.58	792	12255	7108	0.58	835	11970	6943	0.58	861	11590	6722	0.58	905
90	79	13110	6031	0.46	835	12730	5856	0.46	879	12540	5768	0.46	905	12160	5594	0.46	931

Note: CA: Capacity (Btu/h) SHC: Sensible heat capacity (Btu/h) SHF: Sensible heat factor P.C.: Power consumption (kW)
D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

MU-A09WA

CAPACITY (Btu/h): 9500 INPUT: 870 (W) SHF: 0.68

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	9310	4655	0.50	853	8550	4275	0.50	905	7885	3943	0.50	940
70	68	9785	3718	0.38	887	9120	3466	0.38	931	8455	3213	0.38	983
72	64	9310	5027	0.54	853	8550	4617	0.54	905	7885	4258	0.54	940
72	68	9785	4110	0.42	887	9120	3830	0.42	931	8455	3551	0.42	983
72	72	10355	3107	0.30	922	9690	2907	0.30	974	9025	2708	0.30	1009
73	64	9310	5400	0.58	853	8550	4959	0.58	905	7885	4573	0.58	940
73	68	9785	4501	0.46	887	9120	4195	0.46	931	8455	3889	0.46	983
73	72	10355	3521	0.34	922	9690	3295	0.34	974	9025	3069	0.34	1009
75	64	9310	5772	0.62	853	8550	5301	0.62	905	7885	4889	0.62	940
75	68	9785	4893	0.50	887	9120	4560	0.50	931	8455	4228	0.50	983
75	72	10355	3935	0.38	922	9690	3682	0.38	974	9025	3430	0.38	1009
75	75	10925	2841	0.26	957	10260	2668	0.26	1001	9690	2519	0.26	1044
77	64	9310	6145	0.66	853	8550	5643	0.66	905	7885	5204	0.66	940
77	68	9785	5284	0.54	887	9120	4925	0.54	931	8455	4566	0.54	983
77	72	10355	4349	0.42	922	9690	4070	0.42	974	9025	3791	0.42	1009
77	75	10925	3278	0.30	957	10260	3078	0.30	1001	9690	2907	0.30	1044
79	64	9310	6517	0.70	853	8550	5985	0.70	905	7885	5520	0.70	940
79	68	9785	5675	0.58	887	9120	5290	0.58	931	8455	4904	0.58	983
79	72	10355	4763	0.46	922	9690	4457	0.46	974	9025	4152	0.46	1009
79	75	10925	3715	0.34	957	10260	3488	0.34	1001	9690	3295	0.34	1044
79	79	11495	2529	0.22	992	10830	2383	0.22	1035	10165	2236	0.22	1079
81	64	9310	6889	0.74	853	8550	6327	0.74	905	7885	5835	0.74	940
81	68	9785	6067	0.62	887	9120	5654	0.62	931	8455	5242	0.62	983
81	72	10355	5178	0.50	922	9690	4845	0.50	974	9025	4513	0.50	1009
81	75	10925	4152	0.38	957	10260	3899	0.38	1001	9690	3682	0.38	1044
81	79	11495	2989	0.26	992	10830	2816	0.26	1035	10165	2643	0.26	1079
82	64	9310	7262	0.78	853	8550	6669	0.78	905	7885	6150	0.78	940
82	68	9785	6458	0.66	887	9120	6019	0.66	931	8455	5580	0.66	983
82	72	10355	5592	0.54	922	9690	5233	0.54	974	9025	4874	0.54	1009
82	75	10925	4589	0.42	957	10260	4309	0.42	1001	9690	4070	0.42	1044
82	79	11495	3449	0.30	992	10830	3249	0.30	1035	10165	3050	0.30	1079
84	64	9310	7634	0.82	853	8550	7011	0.82	905	7885	6466	0.82	940
84	68	9785	6850	0.70	887	9120	6384	0.70	931	8455	5919	0.70	983
84	72	10355	6006	0.58	922	9690	5620	0.58	974	9025	5235	0.58	1009
84	75	10925	5026	0.46	957	10260	4720	0.46	1001	9690	4457	0.46	1044
84	79	11495	3908	0.34	992	10830	3682	0.34	1035	10165	3456	0.34	1079
86	64	9310	8007	0.86	853	8550	7353	0.86	905	7885	6781	0.86	940
86	68	9785	7241	0.74	887	9120	6749	0.74	931	8455	6257	0.74	983
86	72	10355	6420	0.62	922	9690	6008	0.62	974	9025	5596	0.62	1009
86	75	10925	5463	0.50	957	10260	5130	0.50	1001	9690	4845	0.50	1044
86	79	11495	4368	0.38	992	10830	4115	0.38	1035	10165	3863	0.38	1079
88	64	9310	8379	0.90	853	8550	7695	0.90	905	7885	7097	0.90	940
88	68	9785	7632	0.78	887	9120	7114	0.78	931	8455	6595	0.78	983
88	72	10355	6834	0.66	922	9690	6395	0.66	974	9025	5957	0.66	1009
88	75	10925	5900	0.54	957	10260	5540	0.54	1001	9690	5233	0.54	1044
88	79	11495	4828	0.42	992	10830	4549	0.42	1035	10165	4269	0.42	1079
90	64	9310	8751	0.94	853	8550	8037	0.94	905	7885	7412	0.94	940
90	68	9785	8024	0.82	887	9120	7478	0.82	931	8455	6933	0.82	983
90	72	10355	7249	0.70	922	9690	6783	0.70	974	9025	6318	0.70	1009
90	75	10925	6337	0.58	957	10260	5951	0.58	1001	9690	5620	0.58	1044
90	79	11495	5288	0.46	992	10830	4982	0.46	1035	10165	4676	0.46	1079

Note: CA: Capacity (Btu/h) SHC: Sensible heat capacity (Btu/h) SHF: Sensible heat factor P.C.: Power consumption (kW)
 D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

MU-A12WA

CAPACITY (Btu/h): 12000 INPUT: 1070 (W) SHF: 0.70

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	7332	0.52	856	13500	7020	0.52	899	12960	6739	0.52	942	12480	6490	0.52	984
70	68	14700	5880	0.40	899	14100	5640	0.40	952	13680	5472	0.40	974	13200	5280	0.40	1017
72	64	14100	7896	0.56	856	13500	7560	0.56	899	12960	7258	0.56	942	12480	6989	0.56	984
72	68	14700	6468	0.44	899	14100	6204	0.44	952	13680	6019	0.44	974	13200	5808	0.44	1017
72	72	15300	4896	0.32	931	14760	4723	0.32	990	14400	4608	0.32	1017	13800	4416	0.32	1059
73	64	14100	8460	0.60	856	13500	8100	0.60	899	12960	7776	0.60	942	12480	7488	0.60	984
73	68	14700	7056	0.48	899	14100	6768	0.48	952	13680	6566	0.48	974	13200	6336	0.48	1017
73	72	15300	5508	0.36	931	14760	5314	0.36	990	14400	5184	0.36	1017	13800	4968	0.36	1059
75	64	14100	9024	0.64	856	13500	8640	0.64	899	12960	8294	0.64	942	12480	7987	0.64	984
75	68	14700	7644	0.52	899	14100	7332	0.52	952	13680	7114	0.52	974	13200	6864	0.52	1017
75	72	15300	6120	0.40	931	14760	5904	0.40	990	14400	5760	0.40	1017	13800	5520	0.40	1059
75	75	16080	4502	0.28	974	15480	4334	0.28	1027	15120	4234	0.28	1059	14640	4099	0.28	1113
77	64	14100	9588	0.68	856	13500	9180	0.68	899	12960	8813	0.68	942	12480	8486	0.68	984
77	68	14700	8232	0.56	899	14100	7896	0.56	952	13680	7661	0.56	974	13200	7392	0.56	1017
77	72	15300	6732	0.44	931	14760	6494	0.44	990	14400	6336	0.44	1017	13800	6072	0.44	1059
77	75	16080	5146	0.32	974	15480	4954	0.32	1027	15120	4838	0.32	1059	14640	4685	0.32	1113
79	64	14100	10152	0.72	856	13500	9720	0.72	899	12960	9331	0.72	942	12480	8986	0.72	984
79	68	14700	8820	0.60	899	14100	8460	0.60	952	13680	8208	0.60	974	13200	7920	0.60	1017
79	72	15300	7344	0.48	931	14760	7085	0.48	990	14400	6912	0.48	1017	13800	6624	0.48	1059
79	75	16080	5789	0.36	974	15480	5573	0.36	1027	15120	5443	0.36	1059	14640	5270	0.36	1113
79	79	16560	3974	0.24	1027	16080	3859	0.24	1081	15840	3802	0.24	1113	15360	3686	0.24	1145
81	64	14100	10716	0.76	856	13500	10260	0.76	899	12960	9850	0.76	942	12480	9485	0.76	984
81	68	14700	9408	0.64	899	14100	9024	0.64	952	13680	8755	0.64	974	13200	8448	0.64	1017
81	72	15300	7956	0.52	931	14760	7675	0.52	990	14400	7488	0.52	1017	13800	7176	0.52	1059
81	75	16080	6432	0.40	974	15480	6192	0.40	1027	15120	6048	0.40	1059	14640	5856	0.40	1113
81	79	16560	4637	0.28	1027	16080	4502	0.28	1081	15840	4435	0.28	1113	15360	4301	0.28	1145
82	64	14100	11280	0.80	856	13500	10800	0.80	899	12960	10368	0.80	942	12480	9984	0.80	984
82	68	14700	9996	0.68	899	14100	9588	0.68	952	13680	9302	0.68	974	13200	8976	0.68	1017
82	72	15300	8568	0.56	931	14760	8266	0.56	990	14400	8064	0.56	1017	13800	7728	0.56	1059
82	75	16080	7075	0.44	974	15480	6811	0.44	1027	15120	6653	0.44	1059	14640	6442	0.44	1113
82	79	16560	5299	0.32	1027	16080	5146	0.32	1081	15840	5069	0.32	1113	15360	4915	0.32	1145
84	64	14100	11844	0.84	856	13500	11340	0.84	899	12960	10886	0.84	942	12480	10483	0.84	984
84	68	14700	10584	0.72	899	14100	10152	0.72	952	13680	9850	0.72	974	13200	9504	0.72	1017
84	72	15300	9180	0.60	931	14760	8856	0.60	990	14400	8640	0.60	1017	13800	8280	0.60	1059
84	75	16080	7718	0.48	974	15480	7430	0.48	1027	15120	7258	0.48	1059	14640	7027	0.48	1113
84	79	16560	5962	0.36	1027	16080	5789	0.36	1081	15840	5702	0.36	1113	15360	5530	0.36	1145
86	64	14100	12408	0.88	856	13500	11880	0.88	899	12960	11405	0.88	942	12480	10982	0.88	984
86	68	14700	11172	0.76	899	14100	10716	0.76	952	13680	10397	0.76	974	13200	10032	0.76	1017
86	72	15300	9792	0.64	931	14760	9446	0.64	990	14400	9216	0.64	1017	13800	8832	0.64	1059
86	75	16080	8362	0.52	974	15480	8050	0.52	1027	15120	7862	0.52	1059	14640	7613	0.52	1113
86	79	16560	6624	0.40	1027	16080	6432	0.40	1081	15840	6336	0.40	1113	15360	6144	0.40	1145
88	64	14100	12972	0.92	856	13500	12420	0.92	899	12960	11923	0.92	942	12480	11482	0.92	984
88	68	14700	11760	0.80	899	14100	11280	0.80	952	13680	10944	0.80	974	13200	10560	0.80	1017
88	72	15300	10404	0.68	931	14760	10037	0.68	990	14400	9792	0.68	1017	13800	9384	0.68	1059
88	75	16080	9005	0.56	974	15480	8669	0.56	1027	15120	8467	0.56	1059	14640	8198	0.56	1113
88	79	16560	7286	0.44	1027	16080	7075	0.44	1081	15840	6970	0.44	1113	15360	6758	0.44	1145
90	64	14100	13536	0.96	856	13500	12960	0.96	899	12960	12442	0.96	942	12480	11981	0.96	984
90	68	14700	12348	0.84	899	14100	11844	0.84	952	13680	11491	0.84	974	13200	11088	0.84	1017
90	72	15300	11016	0.72	931	14760	10627	0.72	990	14400	10368	0.72	1017	13800	9936	0.72	1059
90	75	16080	9648	0.60	974	15480	9288	0.60	1027	15120	9072	0.60	1059	14640	8784	0.60	1113
90	79	16560	7949	0.48	1027	16080	7718	0.48	1081	15840	7603	0.48	1113	15360	7373	0.48	1145

Note: CA: Capacity (Btu/h) SHC: Sensible heat capacity (Btu/h) SHF: Sensible heat factor P.C.: Power consumption (kW)
 D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

MU-A12WA

CAPACITY (Btu/h): 12000 INPUT: 1070 (W) SHF: 0.70

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6115	0.52	1049	10800	5616	0.52	1113	9960	5179	0.52	1156
70	68	12360	4944	0.40	1091	11520	4608	0.40	1145	10680	4272	0.40	1209
72	64	11760	6586	0.56	1049	10800	6048	0.56	1113	9960	5578	0.56	1156
72	68	12360	5438	0.44	1091	11520	5069	0.44	1145	10680	4699	0.44	1209
72	72	13080	4186	0.32	1134	12240	3917	0.32	1198	11400	3648	0.32	1241
73	64	11760	7056	0.60	1049	10800	6480	0.60	1113	9960	5976	0.60	1156
73	68	12360	5933	0.48	1091	11520	5530	0.48	1145	10680	5126	0.48	1209
73	72	13080	4709	0.36	1134	12240	4406	0.36	1198	11400	4104	0.36	1241
75	64	11760	7526	0.64	1049	10800	6912	0.64	1113	9960	6374	0.64	1156
75	68	12360	6427	0.52	1091	11520	5990	0.52	1145	10680	5554	0.52	1209
75	72	13080	5232	0.40	1134	12240	4896	0.40	1198	11400	4560	0.40	1241
75	75	13800	3864	0.28	1177	12960	3629	0.28	1231	12240	3427	0.28	1284
77	64	11760	7997	0.68	1049	10800	7344	0.68	1113	9960	6773	0.68	1156
77	68	12360	6922	0.56	1091	11520	6451	0.56	1145	10680	5981	0.56	1209
77	72	13080	5755	0.44	1134	12240	5386	0.44	1198	11400	5016	0.44	1241
77	75	13800	4416	0.32	1177	12960	4147	0.32	1231	12240	3917	0.32	1284
79	64	11760	8467	0.72	1049	10800	7776	0.72	1113	9960	7171	0.72	1156
79	68	12360	7416	0.60	1091	11520	6912	0.60	1145	10680	6408	0.60	1209
79	72	13080	6278	0.48	1134	12240	5875	0.48	1198	11400	5472	0.48	1241
79	75	13800	4968	0.36	1177	12960	4666	0.36	1231	12240	4406	0.36	1284
79	79	14520	3485	0.24	1220	13680	3283	0.24	1273	12840	3082	0.24	1327
81	64	11760	8938	0.76	1049	10800	8208	0.76	1113	9960	7570	0.76	1156
81	68	12360	7910	0.64	1091	11520	7373	0.64	1145	10680	6835	0.64	1209
81	72	13080	6802	0.52	1134	12240	6365	0.52	1198	11400	5928	0.52	1241
81	75	13800	5520	0.40	1177	12960	5184	0.40	1231	12240	4896	0.40	1284
81	79	14520	4066	0.28	1220	13680	3830	0.28	1273	12840	3595	0.28	1327
82	64	11760	9408	0.80	1049	10800	8640	0.80	1113	9960	7968	0.80	1156
82	68	12360	8405	0.68	1091	11520	7834	0.68	1145	10680	7262	0.68	1209
82	72	13080	7325	0.56	1134	12240	6854	0.56	1198	11400	6384	0.56	1241
82	75	13800	6072	0.44	1177	12960	5702	0.44	1231	12240	5386	0.44	1284
82	79	14520	4646	0.32	1220	13680	4378	0.32	1273	12840	4109	0.32	1327
84	64	11760	9878	0.84	1049	10800	9072	0.84	1113	9960	8366	0.84	1156
84	68	12360	8899	0.72	1091	11520	8294	0.72	1145	10680	7690	0.72	1209
84	72	13080	7848	0.60	1134	12240	7344	0.60	1198	11400	6840	0.60	1241
84	75	13800	6624	0.48	1177	12960	6221	0.48	1231	12240	5875	0.48	1284
84	79	14520	5227	0.36	1220	13680	4925	0.36	1273	12840	4622	0.36	1327
86	64	11760	10349	0.88	1049	10800	9504	0.88	1113	9960	8765	0.88	1156
86	68	12360	9394	0.76	1091	11520	8755	0.76	1145	10680	8117	0.76	1209
86	72	13080	8371	0.64	1134	12240	7834	0.64	1198	11400	7296	0.64	1241
86	75	13800	7176	0.52	1177	12960	6739	0.52	1231	12240	6365	0.52	1284
86	79	14520	5808	0.40	1220	13680	5472	0.40	1273	12840	5136	0.40	1327
88	64	11760	10819	0.92	1049	10800	9936	0.92	1113	9960	9163	0.92	1156
88	68	12360	9888	0.80	1091	11520	9216	0.80	1145	10680	8544	0.80	1209
88	72	13080	8894	0.68	1134	12240	8323	0.68	1198	11400	7752	0.68	1241
88	75	13800	7728	0.56	1177	12960	7258	0.56	1231	12240	6854	0.56	1284
88	79	14520	6389	0.44	1220	13680	6019	0.44	1273	12840	5650	0.44	1327
90	64	11760	11290	0.96	1049	10800	10368	0.96	1113	9960	9562	0.96	1156
90	68	12360	10382	0.84	1091	11520	9677	0.84	1145	10680	8971	0.84	1209
90	72	13080	9418	0.72	1134	12240	8813	0.72	1198	11400	8208	0.72	1241
90	75	13800	8280	0.60	1177	12960	7776	0.60	1231	12240	7344	0.60	1284
90	79	14520	6970	0.48	1220	13680	6566	0.48	1273	12840	6163	0.48	1327

Note: CA: Capacity (Btu/h) SHC: Sensible heat capacity (Btu/h) SHF: Sensible heat factor P.C.: Power consumption (kW)
 D.B.: Dry-bulb temperature W.B.: Wet-bulb temperature

**12-2. INVERTER
COOLING CAPACITY
MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA**

CAPACITY (Btu/h): 9000 INPUT (W): 585 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	468	10125	6480	0.64	491	9720	6221	0.64	515	9360	5990	0.64	538
70	68	11025	5733	0.52	491	10575	5499	0.52	521	10260	5335	0.52	532	9900	5148	0.52	556
72	64	10575	7191	0.68	468	10125	6885	0.68	491	9720	6610	0.68	515	9360	6365	0.68	538
72	68	11025	6174	0.56	491	10575	5922	0.56	521	10260	5746	0.56	532	9900	5544	0.56	556
72	72	11475	5049	0.44	509	11070	4871	0.44	541	10800	4752	0.44	556	10350	4554	0.44	579
73	64	10575	7614	0.72	468	10125	7290	0.72	491	9720	6998	0.72	515	9360	6739	0.72	538
73	68	11025	6615	0.60	491	10575	6345	0.60	521	10260	6156	0.60	532	9900	5940	0.60	556
73	72	11475	5508	0.48	509	11070	5314	0.48	541	10800	5184	0.48	556	10350	4968	0.48	579
75	64	10575	8037	0.76	468	10125	7695	0.76	491	9720	7387	0.76	515	9360	7114	0.76	538
75	68	11025	7056	0.64	491	10575	6768	0.64	521	10260	6566	0.64	532	9900	6336	0.64	556
75	72	11475	5967	0.52	509	11070	5756	0.52	541	10800	5616	0.52	556	10350	5382	0.52	579
75	75	12060	4824	0.40	532	11610	4644	0.40	562	11340	4536	0.40	579	10980	4392	0.40	608
77	64	10575	8460	0.80	468	10125	8100	0.80	491	9720	7776	0.80	515	9360	7488	0.80	538
77	68	11025	7497	0.68	491	10575	7191	0.68	521	10260	6977	0.68	532	9900	6732	0.68	556
77	72	11475	6426	0.56	509	11070	6199	0.56	541	10800	6048	0.56	556	10350	5796	0.56	579
77	75	12060	5306	0.44	532	11610	5108	0.44	562	11340	4990	0.44	579	10980	4831	0.44	608
79	64	10575	8883	0.84	468	10125	8505	0.84	491	9720	8165	0.84	515	9360	7862	0.84	538
79	68	11025	7938	0.72	491	10575	7614	0.72	521	10260	7387	0.72	532	9900	7128	0.72	556
79	72	11475	6885	0.60	509	11070	6642	0.60	541	10800	6480	0.60	556	10350	6210	0.60	579
79	75	12060	5789	0.48	532	11610	5573	0.48	562	11340	5443	0.48	579	10980	5270	0.48	608
79	79	12420	4471	0.36	562	12060	4342	0.36	591	11880	4277	0.36	608	11520	4147	0.36	626
81	64	10575	9306	0.88	468	10125	8910	0.88	491	9720	8554	0.88	515	9360	8237	0.88	538
81	68	11025	8379	0.76	491	10575	8037	0.76	521	10260	7798	0.76	532	9900	7524	0.76	556
81	72	11475	7344	0.64	509	11070	7085	0.64	541	10800	6912	0.64	556	10350	6624	0.64	579
81	75	12060	6271	0.52	532	11610	6037	0.52	562	11340	5897	0.52	579	10980	5710	0.52	608
81	79	12420	4968	0.40	562	12060	4824	0.40	591	11880	4752	0.40	608	11520	4608	0.40	626
82	64	10575	9729	0.92	468	10125	9315	0.92	491	9720	8942	0.92	515	9360	8611	0.92	538
82	68	11025	8820	0.80	491	10575	8460	0.80	521	10260	8208	0.80	532	9900	7920	0.80	556
82	72	11475	7803	0.68	509	11070	7528	0.68	541	10800	7344	0.68	556	10350	7038	0.68	579
82	75	12060	6754	0.56	532	11610	6502	0.56	562	11340	6350	0.56	579	10980	6149	0.56	608
82	79	12420	5465	0.44	562	12060	5306	0.44	591	11880	5227	0.44	608	11520	5069	0.44	626
84	64	10575	10152	0.96	468	10125	9720	0.96	491	9720	9331	0.96	515	9360	8986	0.96	538
84	68	11025	9261	0.84	491	10575	8883	0.84	521	10260	8618	0.84	532	9900	8316	0.84	556
84	72	11475	8262	0.72	509	11070	7970	0.72	541	10800	7776	0.72	556	10350	7452	0.72	579
84	75	12060	7236	0.60	532	11610	6966	0.60	562	11340	6804	0.60	579	10980	6588	0.60	608
84	79	12420	5962	0.48	562	12060	5789	0.48	591	11880	5702	0.48	608	11520	5530	0.48	626
86	64	10575	10575	1.00	468	10125	10125	1.00	491	9720	9720	1.00	515	9360	9360	1.00	538
86	68	11025	9702	0.88	491	10575	9306	0.88	521	10260	9029	0.88	532	9900	8712	0.88	556
86	72	11475	8721	0.76	509	11070	8413	0.76	541	10800	8208	0.76	556	10350	7866	0.76	579
86	75	12060	7718	0.64	532	11610	7430	0.64	562	11340	7258	0.64	579	10980	7027	0.64	608
86	79	12420	6458	0.52	562	12060	6271	0.52	591	11880	6178	0.52	608	11520	5990	0.52	626
88	64	10575	10575	1.00	468	10125	10125	1.00	491	9720	9720	1.00	515	9360	9360	1.00	538
88	68	11025	10143	0.92	491	10575	9729	0.92	521	10260	9439	0.92	532	9900	9108	0.92	556
88	72	11475	9180	0.80	509	11070	8856	0.80	541	10800	8640	0.80	556	10350	8280	0.80	579
88	75	12060	8201	0.68	532	11610	7895	0.68	562	11340	7711	0.68	579	10980	7466	0.68	608
88	79	12420	6955	0.56	562	12060	6754	0.56	591	11880	6653	0.56	608	11520	6451	0.56	626
90	64	10575	10575	1.00	468	10125	10125	1.00	491	9720	9720	1.00	515	9360	9360	1.00	538
90	68	11025	10584	0.96	491	10575	10152	0.96	521	10260	9850	0.96	532	9900	9504	0.96	556
90	72	11475	9639	0.84	509	11070	9299	0.84	541	10800	9072	0.84	556	10350	8694	0.84	579
90	75	12060	8683	0.72	532	11610	8359	0.72	562	11340	8165	0.72	579	10980	7906	0.72	608
90	79	12420	7452	0.60	562	12060	7236	0.60	591	11880	7128	0.60	608	11520	6912	0.60	626

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL09NA MUZ-GL09NAH MUY-GL09NA

CAPACITY (Btu/h): 9000 INPUT (W): 585 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	573	8100	5184	0.64	608	7470	4781	0.64	632
70	68	9270	4820	0.52	597	8640	4493	0.52	626	8010	4165	0.52	661
72	64	8820	5998	0.68	573	8100	5508	0.68	608	7470	5080	0.68	632
72	68	9270	5191	0.56	597	8640	4838	0.56	626	8010	4486	0.56	661
72	72	9810	4316	0.44	620	9180	4039	0.44	655	8550	3762	0.44	679
73	64	8820	6350	0.72	573	8100	5832	0.72	608	7470	5378	0.72	632
73	68	9270	5562	0.60	597	8640	5184	0.60	626	8010	4806	0.60	661
73	72	9810	4709	0.48	620	9180	4406	0.48	655	8550	4104	0.48	679
75	64	8820	6703	0.76	573	8100	6156	0.76	608	7470	5677	0.76	632
75	68	9270	5933	0.64	597	8640	5530	0.64	626	8010	5126	0.64	661
75	72	9810	5101	0.52	620	9180	4774	0.52	655	8550	4446	0.52	679
75	75	10350	4140	0.40	644	9720	3888	0.40	673	9180	3672	0.40	702
77	64	8820	7056	0.80	573	8100	6480	0.80	608	7470	5976	0.8	632
77	68	9270	6304	0.68	597	8640	5875	0.68	626	8010	5447	0.68	661
77	72	9810	5494	0.56	620	9180	5141	0.56	655	8550	4788	0.56	679
77	75	10350	4554	0.44	644	9720	4277	0.44	673	9180	4039	0.44	702
79	64	8820	7409	0.84	573	8100	6804	0.84	608	7470	6275	0.84	632
79	68	9270	6674	0.72	597	8640	6221	0.72	626	8010	5767	0.72	661
79	72	9810	5886	0.60	620	9180	5508	0.60	655	8550	5130	0.60	679
79	75	10350	4968	0.48	644	9720	4666	0.48	673	9180	4406	0.48	702
79	79	10890	3920	0.36	667	10260	3694	0.36	696	9630	3467	0.36	725
81	64	8820	7762	0.88	573	8100	7128	0.88	608	7470	6574	0.88	632
81	68	9270	7045	0.76	597	8640	6566	0.76	626	8010	6088	0.76	661
81	72	9810	6278	0.64	620	9180	5875	0.64	655	8550	5472	0.64	679
81	75	10350	5382	0.52	644	9720	5054	0.52	673	9180	4774	0.52	702
81	79	10890	4356	0.40	667	10260	4104	0.40	696	9630	3852	0.40	725
82	64	8820	8114	0.92	573	8100	7452	0.92	608	7470	6872	0.92	632
82	68	9270	7416	0.80	597	8640	6912	0.80	626	8010	6408	0.80	661
82	72	9810	6671	0.68	620	9180	6242	0.68	655	8550	5814	0.68	679
82	75	10350	5796	0.56	644	9720	5443	0.56	673	9180	5141	0.56	702
82	79	10890	4792	0.44	667	10260	4514	0.44	696	9630	4237	0.44	725
84	64	8820	8467	0.96	573	8100	7776	0.96	608	7470	7171	0.96	632
84	68	9270	7787	0.84	597	8640	7258	0.84	626	8010	6728	0.84	661
84	72	9810	7063	0.72	620	9180	6610	0.72	655	8550	6156	0.72	679
84	75	10350	6210	0.60	644	9720	5832	0.60	673	9180	5508	0.60	702
84	79	10890	5227	0.48	667	10260	4925	0.48	696	9630	4622	0.48	725
86	64	8820	8820	1.00	573	8100	8100	1.00	608	7470	7470	1.00	632
86	68	9270	8158	0.88	597	8640	7603	0.88	626	8010	7049	0.88	661
86	72	9810	7456	0.76	620	9180	6977	0.76	655	8550	6498	0.76	679
86	75	10350	6624	0.64	644	9720	6221	0.64	673	9180	5875	0.64	702
86	79	10890	5663	0.52	667	10260	5335	0.52	696	9630	5008	0.52	725
88	64	8820	8820	1.00	573	8100	8100	1.00	608	7470	7470	1.00	632
88	68	9270	8528	0.92	597	8640	7949	0.92	626	8010	7369	0.92	661
88	72	9810	7848	0.80	620	9180	7344	0.80	655	8550	6840	0.80	679
88	75	10350	7038	0.68	644	9720	6610	0.68	673	9180	6242	0.68	702
88	79	10890	6098	0.56	667	10260	5746	0.56	696	9630	5393	0.56	725
90	64	8820	8820	1.00	573	8100	8100	1.00	608	7470	7470	1.00	632
90	68	9270	8899	0.96	597	8640	8294	0.96	626	8010	7690	0.96	661
90	72	9810	8240	0.84	620	9180	7711	0.84	655	8550	7182	0.84	679
90	75	10350	7452	0.72	644	9720	6998	0.72	673	9180	6610	0.72	702
90	79	10890	6534	0.60	667	10260	6156	0.60	696	9630	5778	0.60	725

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA

CAPACITY (Btu/h): 12000 INPUT (W): 920 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	736	13500	7965	0.59	773	12960	7646	0.59	810	12480	7363	0.59	846
70	68	14700	6909	0.47	773	14100	6627	0.47	819	13680	6430	0.47	837	13200	6204	0.47	874
72	64	14100	8883	0.63	736	13500	8505	0.63	773	12960	8165	0.63	810	12480	7862	0.63	846
72	68	14700	7497	0.51	773	14100	7191	0.51	819	13680	6977	0.51	837	13200	6732	0.51	874
72	72	15300	5967	0.39	800	14760	5756	0.39	851	14400	5616	0.39	874	13800	5382	0.39	911
73	64	14100	9447	0.67	736	13500	9045	0.67	773	12960	8683	0.67	810	12480	8362	0.67	846
73	68	14700	8085	0.55	773	14100	7755	0.55	819	13680	7524	0.55	837	13200	7260	0.55	874
73	72	15300	6579	0.43	800	14760	6347	0.43	851	14400	6192	0.43	874	13800	5934	0.43	911
75	64	14100	10011	0.71	736	13500	9585	0.71	773	12960	9202	0.71	810	12480	8861	0.71	846
75	68	14700	8673	0.59	773	14100	8319	0.59	819	13680	8071	0.59	837	13200	7788	0.59	874
75	72	15300	7191	0.47	800	14760	6937	0.47	851	14400	6768	0.47	874	13800	6486	0.47	911
75	75	16080	5628	0.35	837	15480	5418	0.35	883	15120	5292	0.35	911	14640	5124	0.35	957
77	64	14100	10575	0.75	736	13500	10125	0.75	773	12960	9720	0.75	810	12480	9360	0.75	846
77	68	14700	9261	0.63	773	14100	8883	0.63	819	13680	8618	0.63	837	13200	8316	0.63	874
77	72	15300	7803	0.51	800	14760	7528	0.51	851	14400	7344	0.51	874	13800	7038	0.51	911
77	75	16080	6271	0.39	837	15480	6037	0.39	883	15120	5897	0.39	911	14640	5710	0.39	957
79	64	14100	11139	0.79	736	13500	10665	0.79	773	12960	10238	0.79	810	12480	9859	0.79	846
79	68	14700	9849	0.67	773	14100	9447	0.67	819	13680	9166	0.67	837	13200	8844	0.67	874
79	72	15300	8415	0.55	800	14760	8118	0.55	851	14400	7920	0.55	874	13800	7590	0.55	911
79	75	16080	6914	0.43	837	15480	6656	0.43	883	15120	6502	0.43	911	14640	6295	0.43	957
79	79	16560	5134	0.31	883	16080	4985	0.31	929	15840	4910	0.31	957	15360	4762	0.31	984
81	64	14100	11703	0.83	736	13500	11205	0.83	773	12960	10757	0.83	810	12480	10358	0.83	846
81	68	14700	10437	0.71	773	14100	10011	0.71	819	13680	9713	0.71	837	13200	9372	0.71	874
81	72	15300	9027	0.59	800	14760	8708	0.59	851	14400	8496	0.59	874	13800	8142	0.59	911
81	75	16080	7558	0.47	837	15480	7276	0.47	883	15120	7106	0.47	911	14640	6881	0.47	957
81	79	16560	5796	0.35	883	16080	5628	0.35	929	15840	5544	0.35	957	15360	5376	0.35	984
82	64	14100	12267	0.87	736	13500	11745	0.87	773	12960	11275	0.87	810	12480	10858	0.87	846
82	68	14700	11025	0.75	773	14100	10575	0.75	819	13680	10260	0.75	837	13200	9900	0.75	874
82	72	15300	9639	0.63	800	14760	9299	0.63	851	14400	9072	0.63	874	13800	8694	0.63	911
82	75	16080	8201	0.51	837	15480	7895	0.51	883	15120	7711	0.51	911	14640	7466	0.51	957
82	79	16560	6458	0.39	883	16080	6271	0.39	929	15840	6178	0.39	957	15360	5990	0.39	984
84	64	14100	12831	0.91	736	13500	12285	0.91	773	12960	11794	0.91	810	12480	11357	0.91	846
84	68	14700	11613	0.79	773	14100	11139	0.79	819	13680	10807	0.79	837	13200	10428	0.79	874
84	72	15300	10251	0.67	800	14760	9889	0.67	851	14400	9648	0.67	874	13800	9246	0.67	911
84	75	16080	8844	0.55	837	15480	8514	0.55	883	15120	8316	0.55	911	14640	8052	0.55	957
84	79	16560	7121	0.43	883	16080	6914	0.43	929	15840	6811	0.43	957	15360	6605	0.43	984
86	64	14100	13395	0.95	736	13500	12825	0.95	773	12960	12312	0.95	810	12480	11856	0.95	846
86	68	14700	12201	0.83	773	14100	11703	0.83	819	13680	11354	0.83	837	13200	10956	0.83	874
86	72	15300	10863	0.71	800	14760	10480	0.71	851	14400	10224	0.71	874	13800	9798	0.71	911
86	75	16080	9487	0.59	837	15480	9133	0.59	883	15120	8921	0.59	911	14640	8638	0.59	957
86	79	16560	7783	0.47	883	16080	7558	0.47	929	15840	7445	0.47	957	15360	7219	0.47	984
88	64	14100	13959	0.99	736	13500	13365	0.99	773	12960	12830	0.99	810	12480	12355	0.99	846
88	68	14700	12789	0.87	773	14100	12267	0.87	819	13680	11902	0.87	837	13200	11484	0.87	874
88	72	15300	11475	0.75	800	14760	11070	0.75	851	14400	10800	0.75	874	13800	10350	0.75	911
88	75	16080	10130	0.63	837	15480	9752	0.63	883	15120	9526	0.63	911	14640	9223	0.63	957
88	79	16560	8446	0.51	883	16080	8201	0.51	929	15840	8078	0.51	957	15360	7834	0.51	984
90	64	14100	14100	1.00	736	13500	13500	1.00	773	12960	12960	1.00	810	12480	12480	1.00	846
90	68	14700	13377	0.91	773	14100	12831	0.91	819	13680	12449	0.91	837	13200	12012	0.91	874
90	72	15300	12087	0.79	800	14760	11660	0.79	851	14400	11376	0.79	874	13800	10902	0.79	911
90	75	16080	10774	0.67	837	15480	10372	0.67	883	15120	10130	0.67	911	14640	9809	0.67	957
90	79	16560	9108	0.55	883	16080	8844	0.55	929	15840	8712	0.55	957	15360	8448	0.55	984

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL12NA MUZ-GL12NAH MUY-GL12NA

CAPACITY (Btu/h): 12000 INPUT (W): 920 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	902	10800	6372	0.59	957	9960	5876	0.59	994
70	68	12360	5809	0.47	938	11520	5414	0.47	984	10680	5020	0.47	1040
72	64	11760	7409	0.63	902	10800	6804	0.63	957	9960	6275	0.63	994
72	68	12360	6304	0.51	938	11520	5875	0.51	984	10680	5447	0.51	1040
72	72	13080	5101	0.39	975	12240	4774	0.39	1030	11400	4446	0.39	1067
73	64	11760	7879	0.67	902	10800	7236	0.67	957	9960	6673	0.67	994
73	68	12360	6798	0.55	938	11520	6336	0.55	984	10680	5874	0.55	1040
73	72	13080	5624	0.43	975	12240	5263	0.43	1030	11400	4902	0.43	1067
75	64	11760	8350	0.71	902	10800	7668	0.71	957	9960	7072	0.71	994
75	68	12360	7292	0.59	938	11520	6797	0.59	984	10680	6301	0.59	1040
75	72	13080	6148	0.47	975	12240	5753	0.47	1030	11400	5358	0.47	1067
75	75	13800	4830	0.35	1012	12960	4536	0.35	1058	12240	4284	0.35	1104
77	64	11760	8820	0.75	902	10800	8100	0.75	957	9960	7470	0.75	994
77	68	12360	7787	0.63	938	11520	7258	0.63	984	10680	6728	0.63	1040
77	72	13080	6671	0.51	975	12240	6242	0.51	1030	11400	5814	0.51	1067
77	75	13800	5382	0.39	1012	12960	5054	0.39	1058	12240	4774	0.39	1104
79	64	11760	9290	0.79	902	10800	8532	0.79	957	9960	7868	0.79	994
79	68	12360	8281	0.67	938	11520	7718	0.67	984	10680	7156	0.67	1040
79	72	13080	7194	0.55	975	12240	6732	0.55	1030	11400	6270	0.55	1067
79	75	13800	5934	0.43	1012	12960	5573	0.43	1058	12240	5263	0.43	1104
79	79	14520	4501	0.31	1049	13680	4241	0.31	1095	12840	3980	0.31	1141
81	64	11760	9761	0.83	902	10800	8964	0.83	957	9960	8267	0.83	994
81	68	12360	8776	0.71	938	11520	8179	0.71	984	10680	7583	0.71	1040
81	72	13080	7717	0.59	975	12240	7222	0.59	1030	11400	6726	0.59	1067
81	75	13800	6486	0.47	1012	12960	6091	0.47	1058	12240	5753	0.47	1104
81	79	14520	5082	0.35	1049	13680	4788	0.35	1095	12840	4494	0.35	1141
82	64	11760	10231	0.87	902	10800	9396	0.87	957	9960	8665	0.87	994
82	68	12360	9270	0.75	938	11520	8640	0.75	984	10680	8010	0.75	1040
82	72	13080	8240	0.63	975	12240	7711	0.63	1030	11400	7182	0.63	1067
82	75	13800	7038	0.51	1012	12960	6610	0.51	1058	12240	6242	0.51	1104
82	79	14520	5663	0.39	1049	13680	5335	0.39	1095	12840	5008	0.39	1141
84	64	11760	10702	0.91	902	10800	9828	0.91	957	9960	9064	0.91	994
84	68	12360	9764	0.79	938	11520	9101	0.79	984	10680	8437	0.79	1040
84	72	13080	8764	0.67	975	12240	8201	0.67	1030	11400	7638	0.67	1067
84	75	13800	7590	0.55	1012	12960	7128	0.55	1058	12240	6732	0.55	1104
84	79	14520	6244	0.43	1049	13680	5882	0.43	1095	12840	5521	0.43	1141
86	64	11760	11172	0.95	902	10800	10260	0.95	957	9960	9462	0.95	994
86	68	12360	10259	0.83	938	11520	9562	0.83	984	10680	8864	0.83	1040
86	72	13080	9287	0.71	975	12240	8690	0.71	1030	11400	8094	0.71	1067
86	75	13800	8142	0.59	1012	12960	7646	0.59	1058	12240	7222	0.59	1104
86	79	14520	6824	0.47	1049	13680	6430	0.47	1095	12840	6035	0.47	1141
88	64	11760	11642	0.99	902	10800	10692	0.99	957	9960	9860	0.99	994
88	68	12360	10753	0.87	938	11520	10022	0.87	984	10680	9292	0.87	1040
88	72	13080	9810	0.75	975	12240	9180	0.75	1030	11400	8550	0.75	1067
88	75	13800	8694	0.63	1012	12960	8165	0.63	1058	12240	7711	0.63	1104
88	79	14520	7405	0.51	1049	13680	6977	0.51	1095	12840	6548	0.51	1141
90	64	11760	11760	1.00	902	10800	10800	1.00	957	9960	9960	1.00	994
90	68	12360	11248	0.91	938	11520	10483	0.91	984	10680	9719	0.91	1040
90	72	13080	10333	0.79	975	12240	9670	0.79	1030	11400	9006	0.79	1067
90	75	13800	9246	0.67	1012	12960	8683	0.67	1058	12240	8201	0.67	1104
90	79	14520	7986	0.55	1049	13680	7524	0.55	1095	12840	7062	0.55	1141

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

CAPACITY (Btu/h): 14000 INPUT (W): 1080 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16450	9870	0.60	864	15750	9450	0.60	907	15120	9072	0.60	950	14560	8736	0.60	994
70	68	17150	8232	0.48	907	16450	7896	0.48	961	15960	7661	0.48	983	15400	7392	0.48	1026
72	64	16450	10528	0.64	864	15750	10080	0.64	907	15120	9677	0.64	950	14560	9318	0.64	994
72	68	17150	8918	0.52	907	16450	8554	0.52	961	15960	8299	0.52	983	15400	8008	0.52	1026
72	72	17850	7140	0.40	940	17220	6888	0.40	999	16800	6720	0.40	1026	16100	6440	0.40	1069
73	64	16450	11186	0.68	864	15750	10710	0.68	907	15120	10282	0.68	950	14560	9901	0.68	994
73	68	17150	9604	0.56	907	16450	9212	0.56	961	15960	8938	0.56	983	15400	8624	0.56	1026
73	72	17850	7854	0.44	940	17220	7577	0.44	999	16800	7392	0.44	1026	16100	7084	0.44	1069
75	64	16450	11844	0.72	864	15750	11340	0.72	907	15120	10886	0.72	950	14560	10483	0.72	994
75	68	17150	10290	0.60	907	16450	9870	0.60	961	15960	9576	0.60	983	15400	9240	0.60	1026
75	72	17850	8568	0.48	940	17220	8266	0.48	999	16800	8064	0.48	1026	16100	7728	0.48	1069
75	75	18760	6754	0.36	983	18060	6502	0.36	1037	17640	6350	0.36	1069	17080	6149	0.36	1123
77	64	16450	12502	0.76	864	15750	11970	0.76	907	15120	11491	0.76	950	14560	11066	0.76	994
77	68	17150	10976	0.64	907	16450	10528	0.64	961	15960	10214	0.64	983	15400	9856	0.64	1026
77	72	17850	9282	0.52	940	17220	8954	0.52	999	16800	8736	0.52	1026	16100	8372	0.52	1069
77	75	18760	7504	0.40	983	18060	7224	0.40	1037	17640	7056	0.40	1069	17080	6832	0.40	1123
79	64	16450	13160	0.80	864	15750	12600	0.80	907	15120	12096	0.80	950	14560	11648	0.80	994
79	68	17150	11662	0.68	907	16450	11186	0.68	961	15960	10853	0.68	983	15400	10472	0.68	1026
79	72	17850	9996	0.56	940	17220	9643	0.56	999	16800	9408	0.56	1026	16100	9016	0.56	1069
79	75	18760	8254	0.44	983	18060	7946	0.44	1037	17640	7762	0.44	1069	17080	7515	0.44	1123
79	79	19320	6182	0.32	1037	18760	6003	0.32	1091	18480	5914	0.32	1123	17920	5734	0.32	1156
81	64	16450	13818	0.84	864	15750	13230	0.84	907	15120	12701	0.84	950	14560	12230	0.84	994
81	68	17150	12348	0.72	907	16450	11844	0.72	961	15960	11491	0.72	983	15400	11088	0.72	1026
81	72	17850	10710	0.60	940	17220	10332	0.60	999	16800	10080	0.60	1026	16100	9660	0.60	1069
81	75	18760	9005	0.48	983	18060	8669	0.48	1037	17640	8467	0.48	1069	17080	8198	0.48	1123
81	79	19320	6955	0.36	1037	18760	6754	0.36	1091	18480	6653	0.36	1123	17920	6451	0.36	1156
82	64	16450	14476	0.88	864	15750	13860	0.88	907	15120	13306	0.88	950	14560	12813	0.88	994
82	68	17150	13034	0.76	907	16450	12502	0.76	961	15960	12130	0.76	983	15400	11704	0.76	1026
82	72	17850	11424	0.64	940	17220	11021	0.64	999	16800	10752	0.64	1026	16100	10304	0.64	1069
82	75	18760	9755	0.52	983	18060	9391	0.52	1037	17640	9173	0.52	1069	17080	8882	0.52	1123
82	79	19320	7728	0.40	1037	18760	7504	0.40	1091	18480	7392	0.40	1123	17920	7168	0.40	1156
84	64	16450	15134	0.92	864	15750	14490	0.92	907	15120	13910	0.92	950	14560	13395	0.92	994
84	68	17150	13720	0.80	907	16450	13160	0.80	961	15960	12768	0.80	983	15400	12320	0.80	1026
84	72	17850	12138	0.68	940	17220	11710	0.68	999	16800	11424	0.68	1026	16100	10948	0.68	1069
84	75	18760	10506	0.56	983	18060	10114	0.56	1037	17640	9878	0.56	1069	17080	9565	0.56	1123
84	79	19320	8501	0.44	1037	18760	8254	0.44	1091	18480	8131	0.44	1123	17920	7885	0.44	1156
86	64	16450	15792	0.96	864	15750	15120	0.96	907	15120	14515	0.96	950	14560	13978	0.96	994
86	68	17150	14406	0.84	907	16450	13818	0.84	961	15960	13406	0.84	983	15400	12936	0.84	1026
86	72	17850	12852	0.72	940	17220	12398	0.72	999	16800	12096	0.72	1026	16100	11592	0.72	1069
86	75	18760	11256	0.60	983	18060	10836	0.60	1037	17640	10584	0.60	1069	17080	10248	0.60	1123
86	79	19320	9274	0.48	1037	18760	9005	0.48	1091	18480	8870	0.48	1123	17920	8602	0.48	1156
88	64	16450	16450	1.00	864	15750	15750	1.00	907	15120	15120	1.00	950	14560	14560	1.00	994
88	68	17150	15092	0.88	907	16450	14476	0.88	961	15960	14045	0.88	983	15400	13552	0.88	1026
88	72	17850	13566	0.76	940	17220	13087	0.76	999	16800	12768	0.76	1026	16100	12236	0.76	1069
88	75	18760	12006	0.64	983	18060	11558	0.64	1037	17640	11290	0.64	1069	17080	10931	0.64	1123
88	79	19320	10046	0.52	1037	18760	9755	0.52	1091	18480	9610	0.52	1123	17920	9318	0.52	1156
90	64	16450	16450	1.00	864	15750	15750	1.00	907	15120	15120	1.00	950	14560	14560	1.00	994
90	68	17150	15778	0.92	907	16450	15134	0.92	961	15960	14683	0.92	983	15400	14168	0.92	1026
90	72	17850	14280	0.80	940	17220	13776	0.80	999	16800	13440	0.80	1026	16100	12880	0.80	1069
90	75	18760	12757	0.68	983	18060	12281	0.68	1037	17640	11995	0.68	1069	17080	11614	0.68	1123
90	79	19320	10819	0.56	1037	18760	10506	0.56	1091	18480	10349	0.56	1123	17920	10035	0.56	1156

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL15NA MUZ-GL15NAH MUY-GL15NA

CAPACITY (Btu/h): 14000 INPUT (W): 1080 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	13720	8232	0.60	1058	12600	7560	0.60	1123	11620	6972	0.60	1166
70	68	14420	6922	0.48	1102	13440	6451	0.48	1156	12460	5981	0.48	1220
72	64	13720	8781	0.64	1058	12600	8064	0.64	1123	11620	7437	0.64	1166
72	68	14420	7498	0.52	1102	13440	6989	0.52	1156	12460	6479	0.52	1220
72	72	15260	6104	0.40	1145	14280	5712	0.40	1210	13300	5320	0.40	1253
73	64	13720	9330	0.68	1058	12600	8568	0.68	1123	11620	7902	0.68	1166
73	68	14420	8075	0.56	1102	13440	7526	0.56	1156	12460	6978	0.56	1220
73	72	15260	6714	0.44	1145	14280	6283	0.44	1210	13300	5852	0.44	1253
75	64	13720	9878	0.72	1058	12600	9072	0.72	1123	11620	8366	0.72	1166
75	68	14420	8652	0.60	1102	13440	8064	0.60	1156	12460	7476	0.60	1220
75	72	15260	7325	0.48	1145	14280	6854	0.48	1210	13300	6384	0.48	1253
75	75	16100	5796	0.36	1188	15120	5443	0.36	1242	14280	5141	0.36	1296
77	64	13720	10427	0.76	1058	12600	9576	0.76	1123	11620	8831	0.76	1166
77	68	14420	9229	0.64	1102	13440	8602	0.64	1156	12460	7974	0.64	1220
77	72	15260	7935	0.52	1145	14280	7426	0.52	1210	13300	6916	0.52	1253
77	75	16100	6440	0.40	1188	15120	6048	0.40	1242	14280	5712	0.40	1296
79	64	13720	10976	0.80	1058	12600	10080	0.80	1123	11620	9296	0.80	1166
79	68	14420	9806	0.68	1102	13440	9139	0.68	1156	12460	8473	0.68	1220
79	72	15260	8546	0.56	1145	14280	7997	0.56	1210	13300	7448	0.56	1253
79	75	16100	7084	0.44	1188	15120	6653	0.44	1242	14280	6283	0.44	1296
79	79	16940	5421	0.32	1231	15960	5107	0.32	1285	14980	4794	0.32	1339
81	64	13720	11525	0.84	1058	12600	10584	0.84	1123	11620	9761	0.84	1166
81	68	14420	10382	0.72	1102	13440	9677	0.72	1156	12460	8971	0.72	1220
81	72	15260	9156	0.60	1145	14280	8568	0.60	1210	13300	7980	0.60	1253
81	75	16100	7728	0.48	1188	15120	7258	0.48	1242	14280	6854	0.48	1296
81	79	16940	6098	0.36	1231	15960	5746	0.36	1285	14980	5393	0.36	1339
82	64	13720	12074	0.88	1058	12600	11088	0.88	1123	11620	10226	0.88	1166
82	68	14420	10959	0.76	1102	13440	10214	0.76	1156	12460	9470	0.76	1220
82	72	15260	9766	0.64	1145	14280	9139	0.64	1210	13300	8512	0.64	1253
82	75	16100	8372	0.52	1188	15120	7862	0.52	1242	14280	7426	0.52	1296
82	79	16940	6776	0.40	1231	15960	6384	0.40	1285	14980	5992	0.40	1339
84	64	13720	12622	0.92	1058	12600	11592	0.92	1123	11620	10690	0.92	1166
84	68	14420	11536	0.80	1102	13440	10752	0.80	1156	12460	9968	0.80	1220
84	72	15260	10377	0.68	1145	14280	9710	0.68	1210	13300	9044	0.68	1253
84	75	16100	9016	0.56	1188	15120	8467	0.56	1242	14280	7997	0.56	1296
84	79	16940	7454	0.44	1231	15960	7022	0.44	1285	14980	6591	0.44	1339
86	64	13720	13171	0.96	1058	12600	12096	0.96	1123	11620	11155	0.96	1166
86	68	14420	12113	0.84	1102	13440	11290	0.84	1156	12460	10466	0.84	1220
86	72	15260	10987	0.72	1145	14280	10282	0.72	1210	13300	9576	0.72	1253
86	75	16100	9660	0.60	1188	15120	9072	0.60	1242	14280	8568	0.60	1296
86	79	16940	8131	0.48	1231	15960	7661	0.48	1285	14980	7190	0.48	1339
88	64	13720	13720	1.00	1058	12600	12600	1.00	1123	11620	11620	1.00	1166
88	68	14420	12690	0.88	1102	13440	11827	0.88	1156	12460	10965	0.88	1220
88	72	15260	11598	0.76	1145	14280	10853	0.76	1210	13300	10108	0.76	1253
88	75	16100	10304	0.64	1188	15120	9677	0.64	1242	14280	9139	0.64	1296
88	79	16940	8809	0.52	1231	15960	8299	0.52	1285	14980	7790	0.52	1339
90	64	13720	13720	1.00	1058	12600	12600	1.00	1123	11620	11620	1.00	1166
90	68	14420	13266	0.92	1102	13440	12365	0.92	1156	12460	11463	0.92	1220
90	72	15260	12208	0.80	1145	14280	11424	0.80	1210	13300	10640	0.80	1253
90	75	16100	10948	0.68	1188	15120	10282	0.68	1242	14280	9710	0.68	1296
90	79	16940	9486	0.56	1231	15960	8938	0.56	1285	14980	8389	0.56	1339

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

CAPACITY (Btu/h): 18000 INPUT (W): 1340 SHF: 0.87

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	21150	14594	0.69	1072	20250	13973	0.69	1126	19440	13414	0.69	1179	18720	12917	0.69	1233
70	68	22050	12569	0.57	1126	21150	12056	0.57	1193	20520	11696	0.57	1219	19800	11286	0.57	1273
72	64	21150	15440	0.73	1072	20250	14783	0.73	1126	19440	14191	0.73	1179	18720	13666	0.73	1233
72	68	22050	13451	0.61	1126	21150	12902	0.61	1193	20520	12517	0.61	1219	19800	12078	0.61	1273
72	72	22950	11246	0.49	1166	22140	10849	0.49	1240	21600	10584	0.49	1273	20700	10143	0.49	1327
73	64	21150	16286	0.77	1072	20250	15593	0.77	1126	19440	14969	0.77	1179	18720	14414	0.77	1233
73	68	22050	14333	0.65	1126	21150	13748	0.65	1193	20520	13338	0.65	1219	19800	12870	0.65	1273
73	72	22950	12164	0.53	1166	22140	11734	0.53	1240	21600	11448	0.53	1273	20700	10971	0.53	1327
75	64	21150	17132	0.81	1072	20250	16403	0.81	1126	19440	15746	0.81	1179	18720	15163	0.81	1233
75	68	22050	15215	0.69	1126	21150	14594	0.69	1193	20520	14159	0.69	1219	19800	13662	0.69	1273
75	72	22950	13082	0.57	1166	22140	12620	0.57	1240	21600	12312	0.57	1273	20700	11799	0.57	1327
75	75	24120	10854	0.45	1219	23220	10449	0.45	1286	22680	10206	0.45	1327	21960	9882	0.45	1394
77	64	21150	17978	0.85	1072	20250	17213	0.85	1126	19440	16524	0.85	1179	18720	15912	0.85	1233
77	68	22050	16097	0.73	1126	21150	15440	0.73	1193	20520	14980	0.73	1219	19800	14454	0.73	1273
77	72	22950	14000	0.61	1166	22140	13505	0.61	1240	21600	13176	0.61	1273	20700	12627	0.61	1327
77	75	24120	11819	0.49	1219	23220	11378	0.49	1286	22680	11113	0.49	1327	21960	10760	0.49	1394
79	64	21150	18824	0.89	1072	20250	18023	0.89	1126	19440	17302	0.89	1179	18720	16661	0.89	1233
79	68	22050	16979	0.77	1126	21150	16286	0.77	1193	20520	15800	0.77	1219	19800	15246	0.77	1273
79	72	22950	14918	0.65	1166	22140	14391	0.65	1240	21600	14040	0.65	1273	20700	13455	0.65	1327
79	75	24120	12784	0.53	1219	23220	12307	0.53	1286	22680	12020	0.53	1327	21960	11639	0.53	1394
79	79	24840	10184	0.41	1286	24120	9889	0.41	1353	23760	9742	0.41	1394	23040	9446	0.41	1434
81	64	21150	19670	0.93	1072	20250	18833	0.93	1126	19440	18079	0.93	1179	18720	17410	0.93	1233
81	68	22050	17861	0.81	1126	21150	17132	0.81	1193	20520	16621	0.81	1219	19800	16038	0.81	1273
81	72	22950	15836	0.69	1166	22140	15277	0.69	1240	21600	14904	0.69	1273	20700	14283	0.69	1327
81	75	24120	13748	0.57	1219	23220	13235	0.57	1286	22680	12928	0.57	1327	21960	12517	0.57	1394
81	79	24840	11178	0.45	1286	24120	10854	0.45	1353	23760	10692	0.45	1394	23040	10368	0.45	1434
82	64	21150	20516	0.97	1072	20250	19643	0.97	1126	19440	18857	0.97	1179	18720	18158	0.97	1233
82	68	22050	18743	0.85	1126	21150	17978	0.85	1193	20520	17442	0.85	1219	19800	16830	0.85	1273
82	72	22950	16754	0.73	1166	22140	16162	0.73	1240	21600	15768	0.73	1273	20700	15111	0.73	1327
82	75	24120	14713	0.61	1219	23220	14164	0.61	1286	22680	13835	0.61	1327	21960	13396	0.61	1394
82	79	24840	12172	0.49	1286	24120	11819	0.49	1353	23760	11642	0.49	1394	23040	11290	0.49	1434
84	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
84	68	22050	19625	0.89	1126	21150	18824	0.89	1193	20520	18263	0.89	1219	19800	17622	0.89	1273
84	72	22950	17672	0.77	1166	22140	17048	0.77	1240	21600	16632	0.77	1273	20700	15939	0.77	1327
84	75	24120	15678	0.65	1219	23220	15093	0.65	1286	22680	14742	0.65	1327	21960	14274	0.65	1394
84	79	24840	13165	0.53	1286	24120	12784	0.53	1353	23760	12593	0.53	1394	23040	12211	0.53	1434
86	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
86	68	22050	20507	0.93	1126	21150	19670	0.93	1193	20520	19084	0.93	1219	19800	18414	0.93	1273
86	72	22950	18590	0.81	1166	22140	17933	0.81	1240	21600	17496	0.81	1273	20700	16767	0.81	1327
86	75	24120	16643	0.69	1219	23220	16022	0.69	1286	22680	15649	0.69	1327	21960	15152	0.69	1394
86	79	24840	14159	0.57	1286	24120	13748	0.57	1353	23760	13543	0.57	1394	23040	13133	0.57	1434
88	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
88	68	22050	21389	0.97	1126	21150	20516	0.97	1193	20520	19904	0.97	1219	19800	19206	0.97	1273
88	72	22950	19508	0.85	1166	22140	18819	0.85	1240	21600	18360	0.85	1273	20700	17595	0.85	1327
88	75	24120	17608	0.73	1219	23220	16951	0.73	1286	22680	16556	0.73	1327	21960	16031	0.73	1394
88	79	24840	15152	0.61	1286	24120	14713	0.61	1353	23760	14494	0.61	1394	23040	14054	0.61	1434
90	64	21150	21150	1.00	1072	20250	20250	1.00	1126	19440	19440	1.00	1179	18720	18720	1.00	1233
90	68	22050	22050	1.00	1126	21150	21150	1.00	1193	20520	20520	1.00	1219	19800	19800	1.00	1273
90	72	22950	20426	0.89	1166	22140	19705	0.89	1240	21600	19224	0.89	1273	20700	18423	0.89	1327
90	75	24120	18572	0.77	1219	23220	17879	0.77	1286	22680	17464	0.77	1327	21960	16909	0.77	1394
90	79	24840	16146	0.65	1286	24120	15678	0.65	1353	23760	15444	0.65	1394	23040	14976	0.65	1434

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL18NA MUZ-GL18NAH MUY-GL18NA

CAPACITY (Btu/h): 18000 INPUT (W): 1340 SHF: 0.87

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	17640	12172	0.69	1313	16200	11178	0.69	1394	14940	10309	0.69	1447
70	68	18540	10568	0.57	1367	17280	9850	0.57	1434	16020	9131	0.57	1514
72	64	17640	12877	0.73	1313	16200	11826	0.73	1394	14940	10906	0.73	1447
72	68	18540	11309	0.61	1367	17280	10541	0.61	1434	16020	9772	0.61	1514
72	72	19620	9614	0.49	1420	18360	8996	0.49	1501	17100	8379	0.49	1554
73	64	17640	13583	0.77	1313	16200	12474	0.77	1394	14940	11504	0.77	1447
73	68	18540	12051	0.65	1367	17280	11232	0.65	1434	16020	10413	0.65	1514
73	72	19620	10399	0.53	1420	18360	9731	0.53	1501	17100	9063	0.53	1554
75	64	17640	14288	0.81	1313	16200	13122	0.81	1394	14940	12101	0.81	1447
75	68	18540	12793	0.69	1367	17280	11923	0.69	1434	16020	11054	0.69	1514
75	72	19620	11183	0.57	1420	18360	10465	0.57	1501	17100	9747	0.57	1554
75	75	20700	9315	0.45	1474	19440	8748	0.45	1541	18360	8262	0.45	1608
77	64	17640	14994	0.85	1313	16200	13770	0.85	1394	14940	12699	0.85	1447
77	68	18540	13534	0.73	1367	17280	12614	0.73	1434	16020	11695	0.73	1514
77	72	19620	11968	0.61	1420	18360	11200	0.61	1501	17100	10431	0.61	1554
77	75	20700	10143	0.49	1474	19440	9526	0.49	1541	18360	8996	0.49	1608
79	64	17640	15700	0.89	1313	16200	14418	0.89	1394	14940	13297	0.89	1447
79	68	18540	14276	0.77	1367	17280	13306	0.77	1434	16020	12335	0.77	1514
79	72	19620	12753	0.65	1420	18360	11934	0.65	1501	17100	11115	0.65	1554
79	75	20700	10971	0.53	1474	19440	10303	0.53	1541	18360	9731	0.53	1608
79	79	21780	8930	0.41	1528	20520	8413	0.41	1595	19260	7897	0.41	1662
81	64	17640	16405	0.93	1313	16200	15066	0.93	1394	14940	13894	0.93	1447
81	68	18540	15017	0.81	1367	17280	13997	0.81	1434	16020	12976	0.81	1514
81	72	19620	13538	0.69	1420	18360	12668	0.69	1501	17100	11799	0.69	1554
81	75	20700	11799	0.57	1474	19440	11081	0.57	1541	18360	10465	0.57	1608
81	79	21780	9801	0.45	1528	20520	9234	0.45	1595	19260	8667	0.45	1662
82	64	17640	17111	0.97	1313	16200	15714	0.97	1394	14940	14492	0.97	1447
82	68	18540	15759	0.85	1367	17280	14688	0.85	1434	16020	13617	0.85	1514
82	72	19620	14323	0.73	1420	18360	13403	0.73	1501	17100	12483	0.73	1554
82	75	20700	12627	0.61	1474	19440	11858	0.61	1541	18360	11200	0.61	1608
82	79	21780	10672	0.49	1528	20520	10055	0.49	1595	19260	9437	0.49	1662
84	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
84	68	18540	16501	0.89	1367	17280	15379	0.89	1434	16020	14258	0.89	1514
84	72	19620	15107	0.77	1420	18360	14137	0.77	1501	17100	13167	0.77	1554
84	75	20700	13455	0.65	1474	19440	12636	0.65	1541	18360	11934	0.65	1608
84	79	21780	11543	0.53	1528	20520	10876	0.53	1595	19260	10208	0.53	1662
86	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
86	68	18540	17242	0.93	1367	17280	16070	0.93	1434	16020	14899	0.93	1514
86	72	19620	15892	0.81	1420	18360	14872	0.81	1501	17100	13851	0.81	1554
86	75	20700	14283	0.69	1474	19440	13414	0.69	1541	18360	12668	0.69	1608
86	79	21780	12415	0.57	1528	20520	11696	0.57	1595	19260	10978	0.57	1662
88	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
88	68	18540	17984	0.97	1367	17280	16762	0.97	1434	16020	15539	0.97	1514
88	72	19620	16677	0.85	1420	18360	15606	0.85	1501	17100	14535	0.85	1554
88	75	20700	15111	0.73	1474	19440	14191	0.73	1541	18360	13403	0.73	1608
88	79	21780	13286	0.61	1528	20520	12517	0.61	1595	19260	11749	0.61	1662
90	64	17640	17640	1.00	1313	16200	16200	1.00	1394	14940	14940	1.00	1447
90	68	18540	18540	1.00	1367	17280	17280	1.00	1434	16020	16020	1.00	1514
90	72	19620	17462	0.89	1420	18360	16340	0.89	1501	17100	15219	0.89	1554
90	75	20700	15939	0.77	1474	19440	14969	0.77	1541	18360	14137	0.77	1608
90	79	21780	14157	0.65	1528	20520	13338	0.65	1595	19260	12519	0.65	1662

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

CAPACITY (Btu/h): 22500 INPUT (W): 1800 SHF: 0.75

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	26438	15069	0.57	1440	25313	14428	0.57	1512	24300	13851	0.57	1584	23400	13338	0.57	1656
70	68	27563	12403	0.45	1512	26438	11897	0.45	1602	25650	11543	0.45	1638	24750	11138	0.45	1710
72	64	26438	16127	0.61	1440	25313	15441	0.61	1512	24300	14823	0.61	1584	23400	14274	0.61	1656
72	68	27563	13506	0.49	1512	26438	12954	0.49	1602	25650	12569	0.49	1638	24750	12128	0.49	1710
72	72	28688	10614	0.37	1566	27675	10240	0.37	1665	27000	9990	0.37	1710	25875	9574	0.37	1782
73	64	26438	17184	0.65	1440	25313	16453	0.65	1512	24300	15795	0.65	1584	23400	15210	0.65	1656
73	68	27563	14608	0.53	1512	26438	14012	0.53	1602	25650	13595	0.53	1638	24750	13118	0.53	1710
73	72	28688	11762	0.41	1566	27675	11347	0.41	1665	27000	11070	0.41	1710	25875	10609	0.41	1782
75	64	26438	18242	0.69	1440	25313	17466	0.69	1512	24300	16767	0.69	1584	23400	16146	0.69	1656
75	68	27563	15711	0.57	1512	26438	15069	0.57	1602	25650	14621	0.57	1638	24750	14108	0.57	1710
75	72	28688	12909	0.45	1566	27675	12454	0.45	1665	27000	12150	0.45	1710	25875	11644	0.45	1782
75	75	30150	9950	0.33	1638	29025	9578	0.33	1728	28350	9356	0.33	1782	27450	9059	0.33	1872
77	64	26438	19299	0.73	1440	25313	18478	0.73	1512	24300	17739	0.73	1584	23400	17082	0.73	1656
77	68	27563	16813	0.61	1512	26438	16127	0.61	1602	25650	15647	0.61	1638	24750	15098	0.61	1710
77	72	28688	14057	0.49	1566	27675	13561	0.49	1665	27000	13230	0.49	1710	25875	12679	0.49	1782
77	75	30150	11156	0.37	1638	29025	10739	0.37	1728	28350	10490	0.37	1782	27450	10157	0.37	1872
79	64	26438	20357	0.77	1440	25313	19491	0.77	1512	24300	18711	0.77	1584	23400	18018	0.77	1656
79	68	27563	17916	0.65	1512	26438	17184	0.65	1602	25650	16673	0.65	1638	24750	16088	0.65	1710
79	72	28688	15204	0.53	1566	27675	14668	0.53	1665	27000	14310	0.53	1710	25875	13714	0.53	1782
79	75	30150	12362	0.41	1638	29025	11900	0.41	1728	28350	11624	0.41	1782	27450	11255	0.41	1872
79	79	31050	9005	0.29	1728	30150	8744	0.29	1818	29700	8613	0.29	1872	28800	8352	0.29	1926
81	64	26438	21414	0.81	1440	25313	20503	0.81	1512	24300	19683	0.81	1584	23400	18954	0.81	1656
81	68	27563	19018	0.69	1512	26438	18242	0.69	1602	25650	17699	0.69	1638	24750	17078	0.69	1710
81	72	28688	16352	0.57	1566	27675	15775	0.57	1665	27000	15390	0.57	1710	25875	14749	0.57	1782
81	75	30150	13568	0.45	1638	29025	13061	0.45	1728	28350	12758	0.45	1782	27450	12353	0.45	1872
81	79	31050	10247	0.33	1728	30150	9950	0.33	1818	29700	9801	0.33	1872	28800	9504	0.33	1926
82	64	26438	22472	0.85	1440	25313	21516	0.85	1512	24300	20655	0.85	1584	23400	19890	0.85	1656
82	68	27563	20121	0.73	1512	26438	19299	0.73	1602	25650	18725	0.73	1638	24750	18068	0.73	1710
82	72	28688	17499	0.61	1566	27675	16882	0.61	1665	27000	16470	0.61	1710	25875	15784	0.61	1782
82	75	30150	14774	0.49	1638	29025	14222	0.49	1728	28350	13892	0.49	1782	27450	13451	0.49	1872
82	79	31050	11489	0.37	1728	30150	11156	0.37	1818	29700	10989	0.37	1872	28800	10656	0.37	1926
84	64	26438	23529	0.89	1440	25313	22528	0.89	1512	24300	21627	0.89	1584	23400	20826	0.89	1656
84	68	27563	21223	0.77	1512	26438	20357	0.77	1602	25650	19751	0.77	1638	24750	19058	0.77	1710
84	72	28688	18647	0.65	1566	27675	17989	0.65	1665	27000	17550	0.65	1710	25875	16819	0.65	1782
84	75	30150	15980	0.53	1638	29025	15383	0.53	1728	28350	15026	0.53	1782	27450	14549	0.53	1872
84	79	31050	12731	0.41	1728	30150	12362	0.41	1818	29700	12177	0.41	1872	28800	11808	0.41	1926
86	64	26438	24587	0.93	1440	25313	23541	0.93	1512	24300	22599	0.93	1584	23400	21762	0.93	1656
86	68	27563	22326	0.81	1512	26438	21414	0.81	1602	25650	20777	0.81	1638	24750	20048	0.81	1710
86	72	28688	19794	0.69	1566	27675	19096	0.69	1665	27000	18630	0.69	1710	25875	17854	0.69	1782
86	75	30150	17186	0.57	1638	29025	16544	0.57	1728	28350	16160	0.57	1782	27450	15647	0.57	1872
86	79	31050	13973	0.45	1728	30150	13568	0.45	1818	29700	13365	0.45	1872	28800	12960	0.45	1926
88	64	26438	25644	0.97	1440	25313	24553	0.97	1512	24300	23571	0.97	1584	23400	22698	0.97	1656
88	68	27563	23428	0.85	1512	26438	22472	0.85	1602	25650	21803	0.85	1638	24750	21038	0.85	1710
88	72	28688	20942	0.73	1566	27675	20203	0.73	1665	27000	19710	0.73	1710	25875	18889	0.73	1782
88	75	30150	18392	0.61	1638	29025	17705	0.61	1728	28350	17294	0.61	1782	27450	16745	0.61	1872
88	79	31050	15215	0.49	1728	30150	14774	0.49	1818	29700	14553	0.49	1872	28800	14112	0.49	1926
90	64	26438	26438	1.00	1440	25313	25313	1.00	1512	24300	24300	1.00	1584	23400	23400	1.00	1656
90	68	27563	24531	0.89	1512	26438	23529	0.89	1602	25650	22829	0.89	1638	24750	22028	0.89	1710
90	72	28688	22089	0.77	1566	27675	21310	0.77	1665	27000	20790	0.77	1710	25875	19924	0.77	1782
90	75	30150	19598	0.65	1638	29025	18866	0.65	1728	28350	18428	0.65	1782	27450	17843	0.65	1872
90	79	31050	16457	0.53	1728	30150	15980	0.53	1818	29700	15741	0.53	1872	28800	15264	0.53	1926

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-GL24NA MUZ-GL24NAH MUY-GL24NA

CAPACITY (Btu/h): 22500 INPUT (W): 1800 SHF: 0.75

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	22050	12569	0.57	1764	20250	11543	0.57	1872	18675	10645	0.57	1944
70	68	23175	10429	0.45	1836	21600	9720	0.45	1926	20025	9011	0.45	2034
72	64	22050	13451	0.61	1764	20250	12353	0.61	1872	18675	11392	0.61	1944
72	68	23175	11356	0.49	1836	21600	10584	0.49	1926	20025	9812	0.49	2034
72	72	24525	9074	0.37	1908	22950	8492	0.37	2016	21375	7909	0.37	2088
73	64	22050	14333	0.65	1764	20250	13163	0.65	1872	18675	12139	0.65	1944
73	68	23175	12283	0.53	1836	21600	11448	0.53	1926	20025	10613	0.53	2034
73	72	24525	10055	0.41	1908	22950	9410	0.41	2016	21375	8764	0.41	2088
75	64	22050	15215	0.69	1764	20250	13973	0.69	1872	18675	12886	0.69	1944
75	68	23175	13210	0.57	1836	21600	12312	0.57	1926	20025	11414	0.57	2034
75	72	24525	11036	0.45	1908	22950	10328	0.45	2016	21375	9619	0.45	2088
75	75	25875	8539	0.33	1980	24300	8019	0.33	2070	22950	7574	0.33	2160
77	64	22050	16097	0.73	1764	20250	14783	0.73	1872	18675	13633	0.73	1944
77	68	23175	14137	0.61	1836	21600	13176	0.61	1926	20025	12215	0.61	2034
77	72	24525	12017	0.49	1908	22950	11246	0.49	2016	21375	10474	0.49	2088
77	75	25875	9574	0.37	1980	24300	8991	0.37	2070	22950	8492	0.37	2160
79	64	22050	16979	0.77	1764	20250	15593	0.77	1872	18675	14380	0.77	1944
79	68	23175	15064	0.65	1836	21600	14040	0.65	1926	20025	13016	0.65	2034
79	72	24525	12998	0.53	1908	22950	12164	0.53	2016	21375	11329	0.53	2088
79	75	25875	10609	0.41	1980	24300	9963	0.41	2070	22950	9410	0.41	2160
79	79	27225	7895	0.29	2052	25650	7439	0.29	2142	24075	6982	0.29	2232
81	64	22050	17861	0.81	1764	20250	16403	0.81	1872	18675	15127	0.81	1944
81	68	23175	15991	0.69	1836	21600	14904	0.69	1926	20025	13817	0.69	2034
81	72	24525	13979	0.57	1908	22950	13082	0.57	2016	21375	12184	0.57	2088
81	75	25875	11644	0.45	1980	24300	10935	0.45	2070	22950	10328	0.45	2160
81	79	27225	8984	0.33	2052	25650	8465	0.33	2142	24075	7945	0.33	2232
82	64	22050	18743	0.85	1764	20250	17213	0.85	1872	18675	15874	0.85	1944
82	68	23175	16918	0.73	1836	21600	15768	0.73	1926	20025	14618	0.73	2034
82	72	24525	14960	0.61	1908	22950	14000	0.61	2016	21375	13039	0.61	2088
82	75	25875	12679	0.49	1980	24300	11907	0.49	2070	22950	11246	0.49	2160
82	79	27225	10073	0.37	2052	25650	9491	0.37	2142	24075	8908	0.37	2232
84	64	22050	19625	0.89	1764	20250	18023	0.89	1872	18675	16621	0.89	1944
84	68	23175	17845	0.77	1836	21600	16632	0.77	1926	20025	15419	0.77	2034
84	72	24525	15941	0.65	1908	22950	14918	0.65	2016	21375	13894	0.65	2088
84	75	25875	13714	0.53	1980	24300	12879	0.53	2070	22950	12164	0.53	2160
84	79	27225	11162	0.41	2052	25650	10517	0.41	2142	24075	9871	0.41	2232
86	64	22050	20507	0.93	1764	20250	18833	0.93	1872	18675	17368	0.93	1944
86	68	23175	18772	0.81	1836	21600	17496	0.81	1926	20025	16220	0.81	2034
86	72	24525	16922	0.69	1908	22950	15836	0.69	2016	21375	14749	0.69	2088
86	75	25875	14749	0.57	1980	24300	13851	0.57	2070	22950	13082	0.57	2160
86	79	27225	12251	0.45	2052	25650	11543	0.45	2142	24075	10834	0.45	2232
88	64	22050	21389	0.97	1764	20250	19643	0.97	1872	18675	18115	0.97	1944
88	68	23175	19699	0.85	1836	21600	18360	0.85	1926	20025	17021	0.85	2034
88	72	24525	17903	0.73	1908	22950	16754	0.73	2016	21375	15604	0.73	2088
88	75	25875	15784	0.61	1980	24300	14823	0.61	2070	22950	14000	0.61	2160
88	79	27225	13340	0.49	2052	25650	12569	0.49	2142	24075	11797	0.49	2232
90	64	22050	22050	1.00	1764	20250	20250	1.00	1872	18675	18675	1.00	1944
90	68	23175	20626	0.89	1836	21600	19224	0.89	1926	20025	17822	0.89	2034
90	72	24525	18884	0.77	1908	22950	17672	0.77	2016	21375	16459	0.77	2088
90	75	25875	16819	0.65	1980	24300	15795	0.65	2070	22950	14918	0.65	2160
90	79	27225	14429	0.53	2052	25650	13595	0.53	2142	24075	12760	0.53	2232

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM09NA2

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6768	0.64	600	10125	6480	0.64	630	9720	6221	0.64	660	9360	5990	0.64	690
70	68	11025	5733	0.52	630	10575	5499	0.52	668	10260	5335	0.52	683	9900	5148	0.52	713
72	64	10575	7191	0.68	600	10125	6885	0.68	630	9720	6610	0.68	660	9360	6365	0.68	690
72	68	11025	6174	0.56	630	10575	5922	0.56	668	10260	5746	0.56	683	9900	5544	0.56	713
72	72	11475	5049	0.44	653	11070	4871	0.44	694	10800	4752	0.44	713	10350	4554	0.44	743
73	64	10575	7614	0.72	600	10125	7290	0.72	630	9720	6998	0.72	660	9360	6739	0.72	690
73	68	11025	6615	0.60	630	10575	6345	0.60	668	10260	6156	0.60	683	9900	5940	0.60	713
73	72	11475	5508	0.48	653	11070	5314	0.48	694	10800	5184	0.48	713	10350	4968	0.48	743
75	64	10575	8037	0.76	600	10125	7695	0.76	630	9720	7387	0.76	660	9360	7114	0.76	690
75	68	11025	7056	0.64	630	10575	6768	0.64	668	10260	6566	0.64	683	9900	6336	0.64	713
75	72	11475	5967	0.52	653	11070	5756	0.52	694	10800	5616	0.52	713	10350	5382	0.52	743
75	75	12060	4824	0.40	683	11610	4644	0.40	720	11340	4536	0.40	743	10980	4392	0.40	780
77	64	10575	8460	0.80	600	10125	8100	0.80	630	9720	7776	0.80	660	9360	7488	0.80	690
77	68	11025	7497	0.68	630	10575	7191	0.68	668	10260	6977	0.68	683	9900	6732	0.68	713
77	72	11475	6426	0.56	653	11070	6199	0.56	694	10800	6048	0.56	713	10350	5796	0.56	743
77	75	12060	5306	0.44	683	11610	5108	0.44	720	11340	4990	0.44	743	10980	4831	0.44	780
79	64	10575	8883	0.84	600	10125	8505	0.84	630	9720	8165	0.84	660	9360	7862	0.84	690
79	68	11025	7938	0.72	630	10575	7614	0.72	668	10260	7387	0.72	683	9900	7128	0.72	713
79	72	11475	6885	0.60	653	11070	6642	0.60	694	10800	6480	0.60	713	10350	6210	0.60	743
79	75	12060	5789	0.48	683	11610	5573	0.48	720	11340	5443	0.48	743	10980	5270	0.48	780
79	79	12420	4471	0.36	720	12060	4342	0.36	758	11880	4277	0.36	780	11520	4147	0.36	803
81	64	10575	9306	0.88	600	10125	8910	0.88	630	9720	8554	0.88	660	9360	8237	0.88	690
81	68	11025	8379	0.76	630	10575	8037	0.76	668	10260	7798	0.76	683	9900	7524	0.76	713
81	72	11475	7344	0.64	653	11070	7085	0.64	694	10800	6912	0.64	713	10350	6624	0.64	743
81	75	12060	6271	0.52	683	11610	6037	0.52	720	11340	5897	0.52	743	10980	5710	0.52	780
81	79	12420	4968	0.40	720	12060	4824	0.40	758	11880	4752	0.40	780	11520	4608	0.40	803
82	64	10575	9729	0.92	600	10125	9315	0.92	630	9720	8942	0.92	660	9360	8611	0.92	690
82	68	11025	8820	0.80	630	10575	8460	0.80	668	10260	8208	0.80	683	9900	7920	0.80	713
82	72	11475	7803	0.68	653	11070	7528	0.68	694	10800	7344	0.68	713	10350	7038	0.68	743
82	75	12060	6754	0.56	683	11610	6502	0.56	720	11340	6350	0.56	743	10980	6149	0.56	780
82	79	12420	5465	0.44	720	12060	5306	0.44	758	11880	5227	0.44	780	11520	5069	0.44	803
84	64	10575	10152	0.96	600	10125	9720	0.96	630	9720	9331	0.96	660	9360	8986	0.96	690
84	68	11025	9261	0.84	630	10575	8883	0.84	668	10260	8618	0.84	683	9900	8316	0.84	713
84	72	11475	8262	0.72	653	11070	7970	0.72	694	10800	7776	0.72	713	10350	7452	0.72	743
84	75	12060	7236	0.60	683	11610	6966	0.60	720	11340	6804	0.60	743	10980	6588	0.60	780
84	79	12420	5962	0.48	720	12060	5789	0.48	758	11880	5702	0.48	780	11520	5530	0.48	803
86	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
86	68	11025	9702	0.88	630	10575	9306	0.88	668	10260	9029	0.88	683	9900	8712	0.88	713
86	72	11475	8721	0.76	653	11070	8413	0.76	694	10800	8208	0.76	713	10350	7866	0.76	743
86	75	12060	7718	0.64	683	11610	7430	0.64	720	11340	7258	0.64	743	10980	7027	0.64	780
86	79	12420	6458	0.52	720	12060	6271	0.52	758	11880	6178	0.52	780	11520	5990	0.52	803
88	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
88	68	11025	10143	0.92	630	10575	9729	0.92	668	10260	9439	0.92	683	9900	9108	0.92	713
88	72	11475	9180	0.80	653	11070	8856	0.80	694	10800	8640	0.80	713	10350	8280	0.80	743
88	75	12060	8201	0.68	683	11610	7895	0.68	720	11340	7711	0.68	743	10980	7466	0.68	780
88	79	12420	6955	0.56	720	12060	6754	0.56	758	11880	6653	0.56	780	11520	6451	0.56	803
90	64	10575	10575	1.00	600	10125	10125	1.00	630	9720	9720	1.00	660	9360	9360	1.00	690
90	68	11025	10584	0.96	630	10575	10152	0.96	668	10260	9850	0.96	683	9900	9504	0.96	713
90	72	11475	9639	0.84	653	11070	9299	0.84	694	10800	9072	0.84	713	10350	8694	0.84	743
90	75	12060	8683	0.72	683	11610	8359	0.72	720	11340	8165	0.72	743	10980	7906	0.72	780
90	79	12420	7452	0.60	720	12060	7236	0.60	758	11880	7128	0.60	780	11520	6912	0.60	803

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM09NA2

CAPACITY (Btu/h): 9000 INPUT (W): 750 SHF: 0.82

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5645	0.64	735	8100	5184	0.64	780	7470	4781	0.64	810
70	68	9270	4820	0.52	765	8640	4493	0.52	803	8010	4165	0.52	848
72	64	8820	5998	0.68	735	8100	5508	0.68	780	7470	5080	0.68	810
72	68	9270	5191	0.56	765	8640	4838	0.56	803	8010	4486	0.56	848
72	72	9810	4316	0.44	795	9180	4039	0.44	840	8550	3762	0.44	870
73	64	8820	6350	0.72	735	8100	5832	0.72	780	7470	5378	0.72	810
73	68	9270	5562	0.60	765	8640	5184	0.60	803	8010	4806	0.60	848
73	72	9810	4709	0.48	795	9180	4406	0.48	840	8550	4104	0.48	870
75	64	8820	6703	0.76	735	8100	6156	0.76	780	7470	5677	0.76	810
75	68	9270	5933	0.64	765	8640	5530	0.64	803	8010	5126	0.64	848
75	72	9810	5101	0.52	795	9180	4774	0.52	840	8550	4446	0.52	870
75	75	10350	4140	0.40	825	9720	3888	0.40	863	9180	3672	0.40	900
77	64	8820	7056	0.80	735	8100	6480	0.80	780	7470	5976	0.8	810
77	68	9270	6304	0.68	765	8640	5875	0.68	803	8010	5447	0.68	848
77	72	9810	5494	0.56	795	9180	5141	0.56	840	8550	4788	0.56	870
77	75	10350	4554	0.44	825	9720	4277	0.44	863	9180	4039	0.44	900
79	64	8820	7409	0.84	735	8100	6804	0.84	780	7470	6275	0.84	810
79	68	9270	6674	0.72	765	8640	6221	0.72	803	8010	5767	0.72	848
79	72	9810	5886	0.60	795	9180	5508	0.60	840	8550	5130	0.60	870
79	75	10350	4968	0.48	825	9720	4666	0.48	863	9180	4406	0.48	900
79	79	10890	3920	0.36	855	10260	3694	0.36	893	9630	3467	0.36	930
81	64	8820	7762	0.88	735	8100	7128	0.88	780	7470	6574	0.88	810
81	68	9270	7045	0.76	765	8640	6566	0.76	803	8010	6088	0.76	848
81	72	9810	6278	0.64	795	9180	5875	0.64	840	8550	5472	0.64	870
81	75	10350	5382	0.52	825	9720	5054	0.52	863	9180	4774	0.52	900
81	79	10890	4356	0.40	855	10260	4104	0.40	893	9630	3852	0.40	930
82	64	8820	8114	0.92	735	8100	7452	0.92	780	7470	6872	0.92	810
82	68	9270	7416	0.80	765	8640	6912	0.80	803	8010	6408	0.80	848
82	72	9810	6671	0.68	795	9180	6242	0.68	840	8550	5814	0.68	870
82	75	10350	5796	0.56	825	9720	5443	0.56	863	9180	5141	0.56	900
82	79	10890	4792	0.44	855	10260	4514	0.44	893	9630	4237	0.44	930
84	64	8820	8467	0.96	735	8100	7776	0.96	780	7470	7171	0.96	810
84	68	9270	7787	0.84	765	8640	7258	0.84	803	8010	6728	0.84	848
84	72	9810	7063	0.72	795	9180	6610	0.72	840	8550	6156	0.72	870
84	75	10350	6210	0.60	825	9720	5832	0.60	863	9180	5508	0.60	900
84	79	10890	5227	0.48	855	10260	4925	0.48	893	9630	4622	0.48	930
86	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
86	68	9270	8158	0.88	765	8640	7603	0.88	803	8010	7049	0.88	848
86	72	9810	7456	0.76	795	9180	6977	0.76	840	8550	6498	0.76	870
86	75	10350	6624	0.64	825	9720	6221	0.64	863	9180	5875	0.64	900
86	79	10890	5663	0.52	855	10260	5335	0.52	893	9630	5008	0.52	930
88	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
88	68	9270	8528	0.92	765	8640	7949	0.92	803	8010	7369	0.92	848
88	72	9810	7848	0.80	795	9180	7344	0.80	840	8550	6840	0.80	870
88	75	10350	7038	0.68	825	9720	6610	0.68	863	9180	6242	0.68	900
88	79	10890	6098	0.56	855	10260	5746	0.56	893	9630	5393	0.56	930
90	64	8820	8820	1.00	735	8100	8100	1.00	780	7470	7470	1.00	810
90	68	9270	8899	0.96	765	8640	8294	0.96	803	8010	7690	0.96	848
90	72	9810	8240	0.84	795	9180	7711	0.84	840	8550	7182	0.84	870
90	75	10350	7452	0.72	825	9720	6998	0.72	863	9180	6610	0.72	900
90	79	10890	6534	0.60	855	10260	6156	0.60	893	9630	5778	0.60	930

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM12NA2

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	8319	0.59	968	13500	7965	0.59	1016	12960	7646	0.59	1065	12480	7363	0.59	1113
70	68	14700	6909	0.47	1016	14100	6627	0.47	1077	13680	6430	0.47	1101	13200	6204	0.47	1150
72	64	14100	8883	0.63	968	13500	8505	0.63	1016	12960	8165	0.63	1065	12480	7862	0.63	1113
72	68	14700	7497	0.51	1016	14100	7191	0.51	1077	13680	6977	0.51	1101	13200	6732	0.51	1150
72	72	15300	5967	0.39	1053	14760	5756	0.39	1119	14400	5616	0.39	1150	13800	5382	0.39	1198
73	64	14100	9447	0.67	968	13500	9045	0.67	1016	12960	8683	0.67	1065	12480	8362	0.67	1113
73	68	14700	8085	0.55	1016	14100	7755	0.55	1077	13680	7524	0.55	1101	13200	7260	0.55	1150
73	72	15300	6579	0.43	1053	14760	6347	0.43	1119	14400	6192	0.43	1150	13800	5934	0.43	1198
75	64	14100	10011	0.71	968	13500	9585	0.71	1016	12960	9202	0.71	1065	12480	8861	0.71	1113
75	68	14700	8673	0.59	1016	14100	8319	0.59	1077	13680	8071	0.59	1101	13200	7788	0.59	1150
75	72	15300	7191	0.47	1053	14760	6937	0.47	1119	14400	6768	0.47	1150	13800	6486	0.47	1198
75	75	16080	5628	0.35	1101	15480	5418	0.35	1162	15120	5292	0.35	1198	14640	5124	0.35	1258
77	64	14100	10575	0.75	968	13500	10125	0.75	1016	12960	9720	0.75	1065	12480	9360	0.75	1113
77	68	14700	9261	0.63	1016	14100	8883	0.63	1077	13680	8618	0.63	1101	13200	8316	0.63	1150
77	72	15300	7803	0.51	1053	14760	7528	0.51	1119	14400	7344	0.51	1150	13800	7038	0.51	1198
77	75	16080	6271	0.39	1101	15480	6037	0.39	1162	15120	5897	0.39	1198	14640	5710	0.39	1258
79	64	14100	11139	0.79	968	13500	10665	0.79	1016	12960	10238	0.79	1065	12480	9859	0.79	1113
79	68	14700	9849	0.67	1016	14100	9447	0.67	1077	13680	9166	0.67	1101	13200	8844	0.67	1150
79	72	15300	8415	0.55	1053	14760	8118	0.55	1119	14400	7920	0.55	1150	13800	7590	0.55	1198
79	75	16080	6914	0.43	1101	15480	6656	0.43	1162	15120	6502	0.43	1198	14640	6295	0.43	1258
79	79	16560	5134	0.31	1162	16080	4985	0.31	1222	15840	4910	0.31	1258	15360	4762	0.31	1295
81	64	14100	11703	0.83	968	13500	11205	0.83	1016	12960	10757	0.83	1065	12480	10358	0.83	1113
81	68	14700	10437	0.71	1016	14100	10011	0.71	1077	13680	9713	0.71	1101	13200	9372	0.71	1150
81	72	15300	9027	0.59	1053	14760	8708	0.59	1119	14400	8496	0.59	1150	13800	8142	0.59	1198
81	75	16080	7558	0.47	1101	15480	7276	0.47	1162	15120	7106	0.47	1198	14640	6881	0.47	1258
81	79	16560	5796	0.35	1162	16080	5628	0.35	1222	15840	5544	0.35	1258	15360	5376	0.35	1295
82	64	14100	12267	0.87	968	13500	11745	0.87	1016	12960	11275	0.87	1065	12480	10858	0.87	1113
82	68	14700	11025	0.75	1016	14100	10575	0.75	1077	13680	10260	0.75	1101	13200	9900	0.75	1150
82	72	15300	9639	0.63	1053	14760	9299	0.63	1119	14400	9072	0.63	1150	13800	8694	0.63	1198
82	75	16080	8201	0.51	1101	15480	7895	0.51	1162	15120	7711	0.51	1198	14640	7466	0.51	1258
82	79	16560	6458	0.39	1162	16080	6271	0.39	1222	15840	6178	0.39	1258	15360	5990	0.39	1295
84	64	14100	12831	0.91	968	13500	12285	0.91	1016	12960	11794	0.91	1065	12480	11357	0.91	1113
84	68	14700	11613	0.79	1016	14100	11139	0.79	1077	13680	10807	0.79	1101	13200	10428	0.79	1150
84	72	15300	10251	0.67	1053	14760	9889	0.67	1119	14400	9648	0.67	1150	13800	9246	0.67	1198
84	75	16080	8844	0.55	1101	15480	8514	0.55	1162	15120	8316	0.55	1198	14640	8052	0.55	1258
84	79	16560	7121	0.43	1162	16080	6914	0.43	1222	15840	6811	0.43	1258	15360	6605	0.43	1295
86	64	14100	13395	0.95	968	13500	12825	0.95	1016	12960	12312	0.95	1065	12480	11856	0.95	1113
86	68	14700	12201	0.83	1016	14100	11703	0.83	1077	13680	11354	0.83	1101	13200	10956	0.83	1150
86	72	15300	10863	0.71	1053	14760	10480	0.71	1119	14400	10224	0.71	1150	13800	9798	0.71	1198
86	75	16080	9487	0.59	1101	15480	9133	0.59	1162	15120	8921	0.59	1198	14640	8638	0.59	1258
86	79	16560	7783	0.47	1162	16080	7558	0.47	1222	15840	7445	0.47	1258	15360	7219	0.47	1295
88	64	14100	13959	0.99	968	13500	13365	0.99	1016	12960	12830	0.99	1065	12480	12355	0.99	1113
88	68	14700	12789	0.87	1016	14100	12267	0.87	1077	13680	11902	0.87	1101	13200	11484	0.87	1150
88	72	15300	11475	0.75	1053	14760	11070	0.75	1119	14400	10800	0.75	1150	13800	10350	0.75	1198
88	75	16080	10130	0.63	1101	15480	9752	0.63	1162	15120	9526	0.63	1198	14640	9223	0.63	1258
88	79	16560	8446	0.51	1162	16080	8201	0.51	1222	15840	8078	0.51	1258	15360	7834	0.51	1295
90	64	14100	14100	1.00	968	13500	13500	1.00	1016	12960	12960	1.00	1065	12480	12480	1.00	1113
90	68	14700	13377	0.91	1016	14100	12831	0.91	1077	13680	12449	0.91	1101	13200	12012	0.91	1150
90	72	15300	12087	0.79	1053	14760	11660	0.79	1119	14400	11376	0.79	1150	13800	10902	0.79	1198
90	75	16080	10774	0.67	1101	15480	10372	0.67	1162	15120	10130	0.67	1198	14640	9809	0.67	1258
90	79	16560	9108	0.55	1162	16080	8844	0.55	1222	15840	8712	0.55	1258	15360	8448	0.55	1295

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM12NA2

CAPACITY (Btu/h): 12000 INPUT (W): 1210 SHF: 0.77

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6938	0.59	1186	10800	6372	0.59	1258	9960	5876	0.59	1307
70	68	12360	5809	0.47	1234	11520	5414	0.47	1295	10680	5020	0.47	1367
72	64	11760	7409	0.63	1186	10800	6804	0.63	1258	9960	6275	0.63	1307
72	68	12360	6304	0.51	1234	11520	5875	0.51	1295	10680	5447	0.51	1367
72	72	13080	5101	0.39	1283	12240	4774	0.39	1355	11400	4446	0.39	1404
73	64	11760	7879	0.67	1186	10800	7236	0.67	1258	9960	6673	0.67	1307
73	68	12360	6798	0.55	1234	11520	6336	0.55	1295	10680	5874	0.55	1367
73	72	13080	5624	0.43	1283	12240	5263	0.43	1355	11400	4902	0.43	1404
75	64	11760	8350	0.71	1186	10800	7668	0.71	1258	9960	7072	0.71	1307
75	68	12360	7292	0.59	1234	11520	6797	0.59	1295	10680	6301	0.59	1367
75	72	13080	6148	0.47	1283	12240	5753	0.47	1355	11400	5358	0.47	1404
75	75	13800	4830	0.35	1331	12960	4536	0.35	1392	12240	4284	0.35	1452
77	64	11760	8820	0.75	1186	10800	8100	0.75	1258	9960	7470	0.75	1307
77	68	12360	7787	0.63	1234	11520	7258	0.63	1295	10680	6728	0.63	1367
77	72	13080	6671	0.51	1283	12240	6242	0.51	1355	11400	5814	0.51	1404
77	75	13800	5382	0.39	1331	12960	5054	0.39	1392	12240	4774	0.39	1452
79	64	11760	9290	0.79	1186	10800	8532	0.79	1258	9960	7868	0.79	1307
79	68	12360	8281	0.67	1234	11520	7718	0.67	1295	10680	7156	0.67	1367
79	72	13080	7194	0.55	1283	12240	6732	0.55	1355	11400	6270	0.55	1404
79	75	13800	5934	0.43	1331	12960	5573	0.43	1392	12240	5263	0.43	1452
79	79	14520	4501	0.31	1379	13680	4241	0.31	1440	12840	3980	0.31	1500
81	64	11760	9761	0.83	1186	10800	8964	0.83	1258	9960	8267	0.83	1307
81	68	12360	8776	0.71	1234	11520	8179	0.71	1295	10680	7583	0.71	1367
81	72	13080	7717	0.59	1283	12240	7222	0.59	1355	11400	6726	0.59	1404
81	75	13800	6486	0.47	1331	12960	6091	0.47	1392	12240	5753	0.47	1452
81	79	14520	5082	0.35	1379	13680	4788	0.35	1440	12840	4494	0.35	1500
82	64	11760	10231	0.87	1186	10800	9396	0.87	1258	9960	8665	0.87	1307
82	68	12360	9270	0.75	1234	11520	8640	0.75	1295	10680	8010	0.75	1367
82	72	13080	8240	0.63	1283	12240	7711	0.63	1355	11400	7182	0.63	1404
82	75	13800	7038	0.51	1331	12960	6610	0.51	1392	12240	6242	0.51	1452
82	79	14520	5663	0.39	1379	13680	5335	0.39	1440	12840	5008	0.39	1500
84	64	11760	10702	0.91	1186	10800	9828	0.91	1258	9960	9064	0.91	1307
84	68	12360	9764	0.79	1234	11520	9101	0.79	1295	10680	8437	0.79	1367
84	72	13080	8764	0.67	1283	12240	8201	0.67	1355	11400	7638	0.67	1404
84	75	13800	7590	0.55	1331	12960	7128	0.55	1392	12240	6732	0.55	1452
84	79	14520	6244	0.43	1379	13680	5882	0.43	1440	12840	5521	0.43	1500
86	64	11760	11172	0.95	1186	10800	10260	0.95	1258	9960	9462	0.95	1307
86	68	12360	10259	0.83	1234	11520	9562	0.83	1295	10680	8864	0.83	1367
86	72	13080	9287	0.71	1283	12240	8690	0.71	1355	11400	8094	0.71	1404
86	75	13800	8142	0.59	1331	12960	7646	0.59	1392	12240	7222	0.59	1452
86	79	14520	6824	0.47	1379	13680	6430	0.47	1440	12840	6035	0.47	1500
88	64	11760	11642	0.99	1186	10800	10692	0.99	1258	9960	9860	0.99	1307
88	68	12360	10753	0.87	1234	11520	10022	0.87	1295	10680	9292	0.87	1367
88	72	13080	9810	0.75	1283	12240	9180	0.75	1355	11400	8550	0.75	1404
88	75	13800	8694	0.63	1331	12960	8165	0.63	1392	12240	7711	0.63	1452
88	79	14520	7405	0.51	1379	13680	6977	0.51	1440	12840	6548	0.51	1500
90	64	11760	11760	1.00	1186	10800	10800	1.00	1258	9960	9960	1.00	1307
90	68	12360	11248	0.91	1234	11520	10483	0.91	1295	10680	9719	0.91	1367
90	72	13080	10333	0.79	1283	12240	9670	0.79	1355	11400	9006	0.79	1404
90	75	13800	9246	0.67	1331	12960	8683	0.67	1392	12240	8201	0.67	1452
90	79	14520	7986	0.55	1379	13680	7524	0.55	1440	12840	7062	0.55	1500

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM15NA2

CAPACITY (Btu/h): 14000 INPUT (W): 1170 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16450	9870	0.60	936	15750	9450	0.60	983	15120	9072	0.60	1030	14560	8736	0.60	1076
70	68	17150	8232	0.48	983	16450	7896	0.48	1041	15960	7661	0.48	1065	15400	7392	0.48	1112
72	64	16450	10528	0.64	936	15750	10080	0.64	983	15120	9677	0.64	1030	14560	9318	0.64	1076
72	68	17150	8918	0.52	983	16450	8554	0.52	1041	15960	8299	0.52	1065	15400	8008	0.52	1112
72	72	17850	7140	0.40	1018	17220	6888	0.40	1082	16800	6720	0.40	1112	16100	6440	0.40	1158
73	64	16450	11186	0.68	936	15750	10710	0.68	983	15120	10282	0.68	1030	14560	9901	0.68	1076
73	68	17150	9604	0.56	983	16450	9212	0.56	1041	15960	8938	0.56	1065	15400	8624	0.56	1112
73	72	17850	7854	0.44	1018	17220	7577	0.44	1082	16800	7392	0.44	1112	16100	7084	0.44	1158
75	64	16450	11844	0.72	936	15750	11340	0.72	983	15120	10886	0.72	1030	14560	10483	0.72	1076
75	68	17150	10290	0.60	983	16450	9870	0.60	1041	15960	9576	0.60	1065	15400	9240	0.60	1112
75	72	17850	8568	0.48	1018	17220	8266	0.48	1082	16800	8064	0.48	1112	16100	7728	0.48	1158
75	75	18760	6754	0.36	1065	18060	6502	0.36	1123	17640	6350	0.36	1158	17080	6149	0.36	1217
77	64	16450	12502	0.76	936	15750	11970	0.76	983	15120	11491	0.76	1030	14560	11066	0.76	1076
77	68	17150	10976	0.64	983	16450	10528	0.64	1041	15960	10214	0.64	1065	15400	9856	0.64	1112
77	72	17850	9282	0.52	1018	17220	8954	0.52	1082	16800	8736	0.52	1112	16100	8372	0.52	1158
77	75	18760	7504	0.40	1065	18060	7224	0.40	1123	17640	7056	0.40	1158	17080	6832	0.40	1217
79	64	16450	13160	0.80	936	15750	12600	0.80	983	15120	12096	0.80	1030	14560	11648	0.80	1076
79	68	17150	11662	0.68	983	16450	11186	0.68	1041	15960	10853	0.68	1065	15400	10472	0.68	1112
79	72	17850	9996	0.56	1018	17220	9643	0.56	1082	16800	9408	0.56	1112	16100	9016	0.56	1158
79	75	18760	8254	0.44	1065	18060	7946	0.44	1123	17640	7762	0.44	1158	17080	7515	0.44	1217
79	79	19320	6182	0.32	1123	18760	6003	0.32	1182	18480	5914	0.32	1217	17920	5734	0.32	1252
81	64	16450	13818	0.84	936	15750	13230	0.84	983	15120	12701	0.84	1030	14560	12230	0.84	1076
81	68	17150	12348	0.72	983	16450	11844	0.72	1041	15960	11491	0.72	1065	15400	11088	0.72	1112
81	72	17850	10710	0.60	1018	17220	10332	0.60	1082	16800	10080	0.60	1112	16100	9660	0.60	1158
81	75	18760	9005	0.48	1065	18060	8669	0.48	1123	17640	8467	0.48	1158	17080	8198	0.48	1217
81	79	19320	6955	0.36	1123	18760	6754	0.36	1182	18480	6653	0.36	1217	17920	6451	0.36	1252
82	64	16450	14476	0.88	936	15750	13860	0.88	983	15120	13306	0.88	1030	14560	12813	0.88	1076
82	68	17150	13034	0.76	983	16450	12502	0.76	1041	15960	12130	0.76	1065	15400	11704	0.76	1112
82	72	17850	11424	0.64	1018	17220	11021	0.64	1082	16800	10752	0.64	1112	16100	10304	0.64	1158
82	75	18760	9755	0.52	1065	18060	9391	0.52	1123	17640	9173	0.52	1158	17080	8882	0.52	1217
82	79	19320	7728	0.40	1123	18760	7504	0.40	1182	18480	7392	0.40	1217	17920	7168	0.40	1252
84	64	16450	15134	0.92	936	15750	14490	0.92	983	15120	13910	0.92	1030	14560	13395	0.92	1076
84	68	17150	13720	0.80	983	16450	13160	0.80	1041	15960	12768	0.80	1065	15400	12320	0.80	1112
84	72	17850	12138	0.68	1018	17220	11710	0.68	1082	16800	11424	0.68	1112	16100	10948	0.68	1158
84	75	18760	10506	0.56	1065	18060	10114	0.56	1123	17640	9878	0.56	1158	17080	9565	0.56	1217
84	79	19320	8501	0.44	1123	18760	8254	0.44	1182	18480	8131	0.44	1217	17920	7885	0.44	1252
86	64	16450	15792	0.96	936	15750	15120	0.96	983	15120	14515	0.96	1030	14560	13978	0.96	1076
86	68	17150	14406	0.84	983	16450	13818	0.84	1041	15960	13406	0.84	1065	15400	12936	0.84	1112
86	72	17850	12852	0.72	1018	17220	12398	0.72	1082	16800	12096	0.72	1112	16100	11592	0.72	1158
86	75	18760	11256	0.60	1065	18060	10836	0.60	1123	17640	10584	0.60	1158	17080	10248	0.60	1217
86	79	19320	9274	0.48	1123	18760	9005	0.48	1182	18480	8870	0.48	1217	17920	8602	0.48	1252
88	64	16450	16450	1.00	936	15750	15750	1.00	983	15120	15120	1.00	1030	14560	14560	1.00	1076
88	68	17150	15092	0.88	983	16450	14476	0.88	1041	15960	14045	0.88	1065	15400	13552	0.88	1112
88	72	17850	13566	0.76	1018	17220	13087	0.76	1082	16800	12768	0.76	1112	16100	12236	0.76	1158
88	75	18760	12006	0.64	1065	18060	11558	0.64	1123	17640	11290	0.64	1158	17080	10931	0.64	1217
88	79	19320	10046	0.52	1123	18760	9755	0.52	1182	18480	9610	0.52	1217	17920	9318	0.52	1252
90	64	16450	16450	1.00	936	15750	15750	1.00	983	15120	15120	1.00	1030	14560	14560	1.00	1076
90	68	17150	15778	0.92	983	16450	15134	0.92	1041	15960	14683	0.92	1065	15400	14168	0.92	1112
90	72	17850	14280	0.80	1018	17220	13776	0.80	1082	16800	13440	0.80	1112	16100	12880	0.80	1158
90	75	18760	12757	0.68	1065	18060	12281	0.68	1123	17640	11995	0.68	1158	17080	11614	0.68	1217
90	79	19320	10819	0.56	1123	18760	10506	0.56	1182	18480	10349	0.56	1217	17920	10035	0.56	1252

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM15NA2

CAPACITY (Btu/h): 14000 INPUT (W): 1170 SHF: 0.78

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	13720	8232	0.60	1147	12600	7560	0.60	1217	11620	6972	0.60	1264
70	68	14420	6922	0.48	1193	13440	6451	0.48	1252	12460	5981	0.48	1322
72	64	13720	8781	0.64	1147	12600	8064	0.64	1217	11620	7437	0.64	1264
72	68	14420	7498	0.52	1193	13440	6989	0.52	1252	12460	6479	0.52	1322
72	72	15260	6104	0.40	1240	14280	5712	0.40	1310	13300	5320	0.40	1357
73	64	13720	9330	0.68	1147	12600	8568	0.68	1217	11620	7902	0.68	1264
73	68	14420	8075	0.56	1193	13440	7526	0.56	1252	12460	6978	0.56	1322
73	72	15260	6714	0.44	1240	14280	6283	0.44	1310	13300	5852	0.44	1357
75	64	13720	9878	0.72	1147	12600	9072	0.72	1217	11620	8366	0.72	1264
75	68	14420	8652	0.60	1193	13440	8064	0.60	1252	12460	7476	0.60	1322
75	72	15260	7325	0.48	1240	14280	6854	0.48	1310	13300	6384	0.48	1357
75	75	16100	5796	0.36	1287	15120	5443	0.36	1346	14280	5141	0.36	1404
77	64	13720	10427	0.76	1147	12600	9576	0.76	1217	11620	8831	0.76	1264
77	68	14420	9229	0.64	1193	13440	8602	0.64	1252	12460	7974	0.64	1322
77	72	15260	7935	0.52	1240	14280	7426	0.52	1310	13300	6916	0.52	1357
77	75	16100	6440	0.40	1287	15120	6048	0.40	1346	14280	5712	0.40	1404
79	64	13720	10976	0.80	1147	12600	10080	0.80	1217	11620	9296	0.80	1264
79	68	14420	9806	0.68	1193	13440	9139	0.68	1252	12460	8473	0.68	1322
79	72	15260	8546	0.56	1240	14280	7997	0.56	1310	13300	7448	0.56	1357
79	75	16100	7084	0.44	1287	15120	6653	0.44	1346	14280	6283	0.44	1404
79	79	16940	5421	0.32	1334	15960	5107	0.32	1392	14980	4794	0.32	1451
81	64	13720	11525	0.84	1147	12600	10584	0.84	1217	11620	9761	0.84	1264
81	68	14420	10382	0.72	1193	13440	9677	0.72	1252	12460	8971	0.72	1322
81	72	15260	9156	0.60	1240	14280	8568	0.60	1310	13300	7980	0.60	1357
81	75	16100	7728	0.48	1287	15120	7258	0.48	1346	14280	6854	0.48	1404
81	79	16940	6098	0.36	1334	15960	5746	0.36	1392	14980	5393	0.36	1451
82	64	13720	12074	0.88	1147	12600	11088	0.88	1217	11620	10226	0.88	1264
82	68	14420	10959	0.76	1193	13440	10214	0.76	1252	12460	9470	0.76	1322
82	72	15260	9766	0.64	1240	14280	9139	0.64	1310	13300	8512	0.64	1357
82	75	16100	8372	0.52	1287	15120	7862	0.52	1346	14280	7426	0.52	1404
82	79	16940	6776	0.40	1334	15960	6384	0.40	1392	14980	5992	0.40	1451
84	64	13720	12622	0.92	1147	12600	11592	0.92	1217	11620	10690	0.92	1264
84	68	14420	11536	0.80	1193	13440	10752	0.80	1252	12460	9968	0.80	1322
84	72	15260	10377	0.68	1240	14280	9710	0.68	1310	13300	9044	0.68	1357
84	75	16100	9016	0.56	1287	15120	8467	0.56	1346	14280	7997	0.56	1404
84	79	16940	7454	0.44	1334	15960	7022	0.44	1392	14980	6591	0.44	1451
86	64	13720	13171	0.96	1147	12600	12096	0.96	1217	11620	11155	0.96	1264
86	68	14420	12113	0.84	1193	13440	11290	0.84	1252	12460	10466	0.84	1322
86	72	15260	10987	0.72	1240	14280	10282	0.72	1310	13300	9576	0.72	1357
86	75	16100	9660	0.60	1287	15120	9072	0.60	1346	14280	8568	0.60	1404
86	79	16940	8131	0.48	1334	15960	7661	0.48	1392	14980	7190	0.48	1451
88	64	13720	13720	1.00	1147	12600	12600	1.00	1217	11620	11620	1.00	1264
88	68	14420	12690	0.88	1193	13440	11827	0.88	1252	12460	10965	0.88	1322
88	72	15260	11598	0.76	1240	14280	10853	0.76	1310	13300	10108	0.76	1357
88	75	16100	10304	0.64	1287	15120	9677	0.64	1346	14280	9139	0.64	1404
88	79	16940	8809	0.52	1334	15960	8299	0.52	1392	14980	7790	0.52	1451
90	64	13720	13720	1.00	1147	12600	12600	1.00	1217	11620	11620	1.00	1264
90	68	14420	13266	0.92	1193	13440	12365	0.92	1252	12460	11463	0.92	1322
90	72	15260	12208	0.80	1240	14280	11424	0.80	1310	13300	10640	0.80	1357
90	75	16100	10948	0.68	1287	15120	10282	0.68	1346	14280	9710	0.68	1404
90	79	16940	9486	0.56	1334	15960	8938	0.56	1392	14980	8389	0.56	1451

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM18NA2

CAPACITY (Btu/h): 17200 INPUT (W): 1640 SHF: 0.86

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	20210	13743	0.68	1312	19350	13158	0.68	1378	18576	12632	0.68	1443	17888	12164	0.68	1509
70	68	21070	11799	0.56	1378	20210	11318	0.56	1460	19608	10980	0.56	1492	18920	10595	0.56	1558
72	64	20210	14551	0.72	1312	19350	13932	0.72	1378	18576	13375	0.72	1443	17888	12879	0.72	1509
72	68	21070	12642	0.60	1378	20210	12126	0.60	1460	19608	11765	0.60	1492	18920	11352	0.60	1558
72	72	21930	10526	0.48	1427	21156	10155	0.48	1517	20640	9907	0.48	1558	19780	9494	0.48	1624
73	64	20210	15360	0.76	1312	19350	14706	0.76	1378	18576	14118	0.76	1443	17888	13595	0.76	1509
73	68	21070	13485	0.64	1378	20210	12934	0.64	1460	19608	12549	0.64	1492	18920	12109	0.64	1558
73	72	21930	11404	0.52	1427	21156	11001	0.52	1517	20640	10733	0.52	1558	19780	10286	0.52	1624
75	64	20210	16168	0.80	1312	19350	15480	0.80	1378	18576	14861	0.80	1443	17888	14310	0.80	1509
75	68	21070	14328	0.68	1378	20210	13743	0.68	1460	19608	13333	0.68	1492	18920	12866	0.68	1558
75	72	21930	12281	0.56	1427	21156	11847	0.56	1517	20640	11558	0.56	1558	19780	11077	0.56	1624
75	75	23048	10141	0.44	1492	22188	9763	0.44	1574	21672	9536	0.44	1624	20984	9233	0.44	1706
77	64	20210	16976	0.84	1312	19350	16254	0.84	1378	18576	15604	0.84	1443	17888	15026	0.84	1509
77	68	21070	15170	0.72	1378	20210	14551	0.72	1460	19608	14118	0.72	1492	18920	13622	0.72	1558
77	72	21930	13158	0.60	1427	21156	12694	0.60	1517	20640	12384	0.60	1558	19780	11868	0.60	1624
77	75	23048	11063	0.48	1492	22188	10650	0.48	1574	21672	10403	0.48	1624	20984	10072	0.48	1706
79	64	20210	17785	0.88	1312	19350	17028	0.88	1378	18576	16347	0.88	1443	17888	15741	0.88	1509
79	68	21070	16013	0.76	1378	20210	15360	0.76	1460	19608	14902	0.76	1492	18920	14379	0.76	1558
79	72	21930	14035	0.64	1427	21156	13540	0.64	1517	20640	13210	0.64	1558	19780	12659	0.64	1624
79	75	23048	11985	0.52	1492	22188	11538	0.52	1574	21672	11269	0.52	1624	20984	10912	0.52	1706
79	79	23736	9494	0.40	1574	23048	9219	0.40	1656	22704	9082	0.40	1706	22016	8806	0.40	1755
81	64	20210	18593	0.92	1312	19350	17802	0.92	1378	18576	17090	0.92	1443	17888	16457	0.92	1509
81	68	21070	16856	0.80	1378	20210	16168	0.80	1460	19608	15686	0.80	1492	18920	15136	0.80	1558
81	72	21930	14912	0.68	1427	21156	14386	0.68	1517	20640	14035	0.68	1558	19780	13450	0.68	1624
81	75	23048	12907	0.56	1492	22188	12425	0.56	1574	21672	12136	0.56	1624	20984	11751	0.56	1706
81	79	23736	10444	0.44	1574	23048	10141	0.44	1656	22704	9990	0.44	1706	22016	9687	0.44	1755
82	64	20210	19402	0.96	1312	19350	18576	0.96	1378	18576	17833	0.96	1443	17888	17172	0.96	1509
82	68	21070	17699	0.84	1378	20210	16976	0.84	1460	19608	16471	0.84	1492	18920	15893	0.84	1558
82	72	21930	15790	0.72	1427	21156	15232	0.72	1517	20640	14861	0.72	1558	19780	14242	0.72	1624
82	75	23048	13829	0.60	1492	22188	13313	0.60	1574	21672	13003	0.60	1624	20984	12590	0.60	1706
82	79	23736	11393	0.48	1574	23048	11063	0.48	1656	22704	10898	0.48	1706	22016	10568	0.48	1755
84	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
84	68	21070	18542	0.88	1378	20210	17785	0.88	1460	19608	17255	0.88	1492	18920	16650	0.88	1558
84	72	21930	16667	0.76	1427	21156	16079	0.76	1517	20640	15686	0.76	1558	19780	15033	0.76	1624
84	75	23048	14751	0.64	1492	22188	14200	0.64	1574	21672	13870	0.64	1624	20984	13430	0.64	1706
84	79	23736	12343	0.52	1574	23048	11985	0.52	1656	22704	11806	0.52	1706	22016	11448	0.52	1755
86	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
86	68	21070	19384	0.92	1378	20210	18593	0.92	1460	19608	18039	0.92	1492	18920	17406	0.92	1558
86	72	21930	17544	0.80	1427	21156	16925	0.80	1517	20640	16512	0.80	1558	19780	15824	0.80	1624
86	75	23048	15673	0.68	1492	22188	15088	0.68	1574	21672	14737	0.68	1624	20984	14269	0.68	1706
86	79	23736	13292	0.56	1574	23048	12907	0.56	1656	22704	12714	0.56	1706	22016	12329	0.56	1755
88	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
88	68	21070	20227	0.96	1378	20210	19402	0.96	1460	19608	18824	0.96	1492	18920	18163	0.96	1558
88	72	21930	18421	0.84	1427	21156	17771	0.84	1517	20640	17338	0.84	1558	19780	16615	0.84	1624
88	75	23048	16595	0.72	1492	22188	15975	0.72	1574	21672	15604	0.72	1624	20984	15108	0.72	1706
88	79	23736	14242	0.60	1574	23048	13829	0.60	1656	22704	13622	0.60	1706	22016	13210	0.60	1755
90	64	20210	20210	1.00	1312	19350	19350	1.00	1378	18576	18576	1.00	1443	17888	17888	1.00	1509
90	68	21070	21070	1.00	1378	20210	20210	1.00	1460	19608	19608	1.00	1492	18920	18920	1.00	1558
90	72	21930	19298	0.88	1427	21156	18617	0.88	1517	20640	18163	0.88	1558	19780	17406	0.88	1624
90	75	23048	17516	0.76	1492	22188	16863	0.76	1574	21672	16471	0.76	1624	20984	15948	0.76	1706
90	79	23736	15191	0.64	1574	23048	14751	0.64	1656	22704	14531	0.64	1706	22016	14090	0.64	1755

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM18NA2

CAPACITY (Btu/h): 17200 INPUT (W): 1640 SHF: 0.86

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16856	11462	0.68	1607	15480	10526	0.68	1706	14276	9708	0.68	1771
70	68	17716	9921	0.56	1673	16512	9247	0.56	1755	15308	8572	0.56	1853
72	64	16856	12136	0.72	1607	15480	11146	0.72	1706	14276	10279	0.72	1771
72	68	17716	10630	0.60	1673	16512	9907	0.60	1755	15308	9185	0.60	1853
72	72	18748	8999	0.48	1738	17544	8421	0.48	1837	16340	7843	0.48	1902
73	64	16856	12811	0.76	1607	15480	11765	0.76	1706	14276	10850	0.76	1771
73	68	17716	11338	0.64	1673	16512	10568	0.64	1755	15308	9797	0.64	1853
73	72	18748	9749	0.52	1738	17544	9123	0.52	1837	16340	8497	0.52	1902
75	64	16856	13485	0.80	1607	15480	12384	0.80	1706	14276	11421	0.80	1771
75	68	17716	12047	0.68	1673	16512	11228	0.68	1755	15308	10409	0.68	1853
75	72	18748	10499	0.56	1738	17544	9825	0.56	1837	16340	9150	0.56	1902
75	75	19780	8703	0.44	1804	18576	8173	0.44	1886	17544	7719	0.44	1968
77	64	16856	14159	0.84	1607	15480	13003	0.84	1706	14276	11992	0.84	1771
77	68	17716	12756	0.72	1673	16512	11889	0.72	1755	15308	11022	0.72	1853
77	72	18748	11249	0.60	1738	17544	10526	0.60	1837	16340	9804	0.60	1902
77	75	19780	9494	0.48	1804	18576	8916	0.48	1886	17544	8421	0.48	1968
79	64	16856	14833	0.88	1607	15480	13622	0.88	1706	14276	12563	0.88	1771
79	68	17716	13464	0.76	1673	16512	12549	0.76	1755	15308	11634	0.76	1853
79	72	18748	11999	0.64	1738	17544	11228	0.64	1837	16340	10458	0.64	1902
79	75	19780	10286	0.52	1804	18576	9660	0.52	1886	17544	9123	0.52	1968
79	79	20812	8325	0.40	1870	19608	7843	0.40	1952	18404	7362	0.40	2034
81	64	16856	15508	0.92	1607	15480	14242	0.92	1706	14276	13134	0.92	1771
81	68	17716	14173	0.80	1673	16512	13210	0.80	1755	15308	12246	0.80	1853
81	72	18748	12749	0.68	1738	17544	11930	0.68	1837	16340	11111	0.68	1902
81	75	19780	11077	0.56	1804	18576	10403	0.56	1886	17544	9825	0.56	1968
81	79	20812	9157	0.44	1870	19608	8628	0.44	1952	18404	8098	0.44	2034
82	64	16856	16182	0.96	1607	15480	14861	0.96	1706	14276	13705	0.96	1771
82	68	17716	14881	0.84	1673	16512	13870	0.84	1755	15308	12859	0.84	1853
82	72	18748	13499	0.72	1738	17544	12632	0.72	1837	16340	11765	0.72	1902
82	75	19780	11868	0.60	1804	18576	11146	0.60	1886	17544	10526	0.60	1968
82	79	20812	9990	0.48	1870	19608	9412	0.48	1952	18404	8834	0.48	2034
84	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
84	68	17716	15590	0.88	1673	16512	14531	0.88	1755	15308	13471	0.88	1853
84	72	18748	14248	0.76	1738	17544	13333	0.76	1837	16340	12418	0.76	1902
84	75	19780	12659	0.64	1804	18576	11889	0.64	1886	17544	11228	0.64	1968
84	79	20812	10822	0.52	1870	19608	10196	0.52	1952	18404	9570	0.52	2034
86	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
86	68	17716	16299	0.92	1673	16512	15191	0.92	1755	15308	14083	0.92	1853
86	72	18748	14998	0.80	1738	17544	14035	0.80	1837	16340	13072	0.80	1902
86	75	19780	13450	0.68	1804	18576	12632	0.68	1886	17544	11930	0.68	1968
86	79	20812	11655	0.56	1870	19608	10980	0.56	1952	18404	10306	0.56	2034
88	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
88	68	17716	17007	0.96	1673	16512	15852	0.96	1755	15308	14696	0.96	1853
88	72	18748	15748	0.84	1738	17544	14737	0.84	1837	16340	13726	0.84	1902
88	75	19780	14242	0.72	1804	18576	13375	0.72	1886	17544	12632	0.72	1968
88	79	20812	12487	0.60	1870	19608	11765	0.60	1952	18404	11042	0.60	2034
90	64	16856	16856	1.00	1607	15480	15480	1.00	1706	14276	14276	1.00	1771
90	68	17716	17716	1.00	1673	16512	16512	1.00	1755	15308	15308	1.00	1853
90	72	18748	16498	0.88	1738	17544	15439	0.88	1837	16340	14379	0.88	1902
90	75	19780	15033	0.76	1804	18576	14118	0.76	1886	17544	13333	0.76	1968
90	79	20812	13320	0.64	1870	19608	12549	0.64	1952	18404	11779	0.64	2034

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM24NA2

CAPACITY (Btu/h): 22500 INPUT (W): 2630 SHF: 0.89

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	26438	18771	0.71	2104	25313	17972	0.71	2209	24300	17253	0.71	2314	23400	16614	0.71	2420
70	68	27563	16262	0.59	2209	26438	15598	0.59	2341	25650	15134	0.59	2393	24750	14603	0.59	2499
72	64	26438	19828	0.75	2104	25313	18984	0.75	2209	24300	18225	0.75	2314	23400	17550	0.75	2420
72	68	27563	17364	0.63	2209	26438	16656	0.63	2341	25650	16160	0.63	2393	24750	15593	0.63	2499
72	72	28688	14631	0.51	2288	27675	14114	0.51	2433	27000	13770	0.51	2499	25875	13196	0.51	2604
73	64	26438	20886	0.79	2104	25313	19997	0.79	2209	24300	19197	0.79	2314	23400	18486	0.79	2420
73	68	27563	18467	0.67	2209	26438	17713	0.67	2341	25650	17186	0.67	2393	24750	16583	0.67	2499
73	72	28688	15778	0.55	2288	27675	15221	0.55	2433	27000	14850	0.55	2499	25875	14231	0.55	2604
75	64	26438	21943	0.83	2104	25313	21009	0.83	2209	24300	20169	0.83	2314	23400	19422	0.83	2420
75	68	27563	19569	0.71	2209	26438	18771	0.71	2341	25650	18212	0.71	2393	24750	17573	0.71	2499
75	72	28688	16926	0.59	2288	27675	16328	0.59	2433	27000	15930	0.59	2499	25875	15266	0.59	2604
75	75	30150	14171	0.47	2393	29025	13642	0.47	2525	28350	13325	0.47	2604	27450	12902	0.47	2735
77	64	26438	23001	0.87	2104	25313	22022	0.87	2209	24300	21141	0.87	2314	23400	20358	0.87	2420
77	68	27563	20672	0.75	2209	26438	19828	0.75	2341	25650	19238	0.75	2393	24750	18563	0.75	2499
77	72	28688	18073	0.63	2288	27675	17435	0.63	2433	27000	17010	0.63	2499	25875	16301	0.63	2604
77	75	30150	15377	0.51	2393	29025	14803	0.51	2525	28350	14459	0.51	2604	27450	14000	0.51	2735
79	64	26438	24058	0.91	2104	25313	23034	0.91	2209	24300	22113	0.91	2314	23400	21294	0.91	2420
79	68	27563	21774	0.79	2209	26438	20886	0.79	2341	25650	20264	0.79	2393	24750	19553	0.79	2499
79	72	28688	19221	0.67	2288	27675	18542	0.67	2433	27000	18090	0.67	2499	25875	17336	0.67	2604
79	75	30150	16583	0.55	2393	29025	15964	0.55	2525	28350	15593	0.55	2604	27450	15098	0.55	2735
79	79	31050	13352	0.43	2525	30150	12965	0.43	2656	29700	12771	0.43	2735	28800	12384	0.43	2814
81	64	26438	25116	0.95	2104	25313	24047	0.95	2209	24300	23085	0.95	2314	23400	22230	0.95	2420
81	68	27563	22877	0.83	2209	26438	21943	0.83	2341	25650	21290	0.83	2393	24750	20543	0.83	2499
81	72	28688	20368	0.71	2288	27675	19649	0.71	2433	27000	19170	0.71	2499	25875	18371	0.71	2604
81	75	30150	17789	0.59	2393	29025	17125	0.59	2525	28350	16727	0.59	2604	27450	16196	0.59	2735
81	79	31050	14594	0.47	2525	30150	14171	0.47	2656	29700	13959	0.47	2735	28800	13536	0.47	2814
82	64	26438	26173	0.99	2104	25313	25059	0.99	2209	24300	24057	0.99	2314	23400	23166	0.99	2420
82	68	27563	23979	0.87	2209	26438	23001	0.87	2341	25650	22316	0.87	2393	24750	21533	0.87	2499
82	72	28688	21516	0.75	2288	27675	20756	0.75	2433	27000	20250	0.75	2499	25875	19406	0.75	2604
82	75	30150	18995	0.63	2393	29025	18286	0.63	2525	28350	17861	0.63	2604	27450	17294	0.63	2735
82	79	31050	15836	0.51	2525	30150	15377	0.51	2656	29700	15147	0.51	2735	28800	14688	0.51	2814
84	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
84	68	27563	25082	0.91	2209	26438	24058	0.91	2341	25650	23342	0.91	2393	24750	22523	0.91	2499
84	72	28688	22663	0.79	2288	27675	21863	0.79	2433	27000	21330	0.79	2499	25875	20441	0.79	2604
84	75	30150	20201	0.67	2393	29025	19447	0.67	2525	28350	18995	0.67	2604	27450	18392	0.67	2735
84	79	31050	17078	0.55	2525	30150	16583	0.55	2656	29700	16335	0.55	2735	28800	15840	0.55	2814
86	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
86	68	27563	26184	0.95	2209	26438	25116	0.95	2341	25650	24368	0.95	2393	24750	23513	0.95	2499
86	72	28688	23811	0.83	2288	27675	22970	0.83	2433	27000	22410	0.83	2499	25875	21476	0.83	2604
86	75	30150	21407	0.71	2393	29025	20608	0.71	2525	28350	20129	0.71	2604	27450	19490	0.71	2735
86	79	31050	18320	0.59	2525	30150	17789	0.59	2656	29700	17523	0.59	2735	28800	16992	0.59	2814
88	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
88	68	27563	27287	0.99	2209	26438	26173	0.99	2341	25650	25394	0.99	2393	24750	24503	0.99	2499
88	72	28688	24958	0.87	2288	27675	24077	0.87	2433	27000	23490	0.87	2499	25875	22511	0.87	2604
88	75	30150	22613	0.75	2393	29025	21769	0.75	2525	28350	21263	0.75	2604	27450	20588	0.75	2735
88	79	31050	19562	0.63	2525	30150	18995	0.63	2656	29700	18711	0.63	2735	28800	18144	0.63	2814
90	64	26438	26438	1.00	2104	25313	25313	1.00	2209	24300	24300	1.00	2314	23400	23400	1.00	2420
90	68	27563	27563	1.00	2209	26438	26438	1.00	2341	25650	25650	1.00	2393	24750	24750	1.00	2499
90	72	28688	26106	0.91	2288	27675	25184	0.91	2433	27000	24570	0.91	2499	25875	23546	0.91	2604
90	75	30150	23819	0.79	2393	29025	22930	0.79	2525	28350	22397	0.79	2604	27450	21686	0.79	2735
90	79	31050	20804	0.67	2525	30150	20201	0.67	2656	29700	19899	0.67	2735	28800	19296	0.67	2814

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-HM24NA2

CAPACITY (Btu/h): 22500 INPUT (W): 2630 SHF: 0.89

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	22050	15656	0.71	2577	20250	14378	0.71	2735	18675	13259	0.71	2840
70	68	23175	13673	0.59	2683	21600	12744	0.59	2814	20025	11815	0.59	2972
72	64	22050	16538	0.75	2577	20250	15188	0.75	2735	18675	14006	0.75	2840
72	68	23175	14600	0.63	2683	21600	13608	0.63	2814	20025	12616	0.63	2972
72	72	24525	12508	0.51	2788	22950	11705	0.51	2946	21375	10901	0.51	3051
73	64	22050	17420	0.79	2577	20250	15998	0.79	2735	18675	14753	0.79	2840
73	68	23175	15527	0.67	2683	21600	14472	0.67	2814	20025	13417	0.67	2972
73	72	24525	13489	0.55	2788	22950	12623	0.55	2946	21375	11756	0.55	3051
75	64	22050	18302	0.83	2577	20250	16808	0.83	2735	18675	15500	0.83	2840
75	68	23175	16454	0.71	2683	21600	15336	0.71	2814	20025	14218	0.71	2972
75	72	24525	14470	0.59	2788	22950	13541	0.59	2946	21375	12611	0.59	3051
75	75	25875	12161	0.47	2893	24300	11421	0.47	3025	22950	10787	0.47	3156
77	64	22050	19184	0.87	2577	20250	17618	0.87	2735	18675	16247	0.87	2840
77	68	23175	17381	0.75	2683	21600	16200	0.75	2814	20025	15019	0.75	2972
77	72	24525	15451	0.63	2788	22950	14459	0.63	2946	21375	13466	0.63	3051
77	75	25875	13196	0.51	2893	24300	12393	0.51	3025	22950	11705	0.51	3156
79	64	22050	20066	0.91	2577	20250	18428	0.91	2735	18675	16994	0.91	2840
79	68	23175	18308	0.79	2683	21600	17064	0.79	2814	20025	15820	0.79	2972
79	72	24525	16432	0.67	2788	22950	15377	0.67	2946	21375	14321	0.67	3051
79	75	25875	14231	0.55	2893	24300	13365	0.55	3025	22950	12623	0.55	3156
79	79	27225	11707	0.43	2998	25650	11030	0.43	3130	24075	10352	0.43	3261
81	64	22050	20948	0.95	2577	20250	19238	0.95	2735	18675	17741	0.95	2840
81	68	23175	19235	0.83	2683	21600	17928	0.83	2814	20025	16621	0.83	2972
81	72	24525	17413	0.71	2788	22950	16295	0.71	2946	21375	15176	0.71	3051
81	75	25875	15266	0.59	2893	24300	14337	0.59	3025	22950	13541	0.59	3156
81	79	27225	12796	0.47	2998	25650	12056	0.47	3130	24075	11315	0.47	3261
82	64	22050	21830	0.99	2577	20250	20048	0.99	2735	18675	18488	0.99	2840
82	68	23175	20162	0.87	2683	21600	18792	0.87	2814	20025	17422	0.87	2972
82	72	24525	18394	0.75	2788	22950	17213	0.75	2946	21375	16031	0.75	3051
82	75	25875	16301	0.63	2893	24300	15309	0.63	3025	22950	14459	0.63	3156
82	79	27225	13885	0.51	2998	25650	13082	0.51	3130	24075	12278	0.51	3261
84	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
84	68	23175	21089	0.91	2683	21600	19656	0.91	2814	20025	18223	0.91	2972
84	72	24525	19375	0.79	2788	22950	18131	0.79	2946	21375	16886	0.79	3051
84	75	25875	17336	0.67	2893	24300	16281	0.67	3025	22950	15377	0.67	3156
84	79	27225	14974	0.55	2998	25650	14108	0.55	3130	24075	13241	0.55	3261
86	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
86	68	23175	22016	0.95	2683	21600	20520	0.95	2814	20025	19024	0.95	2972
86	72	24525	20356	0.83	2788	22950	19049	0.83	2946	21375	17741	0.83	3051
86	75	25875	18371	0.71	2893	24300	17253	0.71	3025	22950	16295	0.71	3156
86	79	27225	16063	0.59	2998	25650	15134	0.59	3130	24075	14204	0.59	3261
88	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
88	68	23175	22943	0.99	2683	21600	21384	0.99	2814	20025	19825	0.99	2972
88	72	24525	21337	0.87	2788	22950	19967	0.87	2946	21375	18596	0.87	3051
88	75	25875	19406	0.75	2893	24300	18225	0.75	3025	22950	17213	0.75	3156
88	79	27225	17152	0.63	2998	25650	16160	0.63	3130	24075	15167	0.63	3261
90	64	22050	22050	1.00	2577	20250	20250	1.00	2735	18675	18675	1.00	2840
90	68	23175	23175	1.00	2683	21600	21600	1.00	2814	20025	20025	1.00	2972
90	72	24525	22318	0.91	2788	22950	20885	0.91	2946	21375	19451	0.91	3051
90	75	25875	20441	0.79	2893	24300	19197	0.79	3025	22950	18131	0.79	3156
90	79	27225	18241	0.67	2998	25650	17186	0.67	3130	24075	16130	0.67	3261

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-D30NA

CAPACITY (Btu/h): 30700 INPUT: 3850 (W) SHF: 0.64

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	36073	16593	0.46	3080	34538	15887	0.46	3234	33156	15252	0.46	3388	31928	14687	0.46	3542
70	68	37608	12787	0.34	3234	36073	12265	0.34	3427	34998	11899	0.34	3504	33770	11482	0.34	3658
72	64	36073	18036	0.50	3080	34538	17269	0.50	3234	33156	16578	0.50	3388	31928	15964	0.50	3542
72	68	37608	14291	0.38	3234	36073	13708	0.38	3427	34998	13299	0.38	3504	33770	12833	0.38	3658
72	72	39143	10177	0.26	3350	37761	9818	0.26	3561	36840	9578	0.26	3658	35305	9179	0.26	3812
73	64	36073	19479	0.54	3080	34538	18650	0.54	3234	33156	17904	0.54	3388	31928	17241	0.54	3542
73	68	37608	15795	0.42	3234	36073	15150	0.42	3427	34998	14699	0.42	3504	33770	14183	0.42	3658
73	72	39143	11743	0.30	3350	37761	11328	0.30	3561	36840	11052	0.30	3658	35305	10592	0.30	3812
75	64	36073	20922	0.58	3080	34538	20032	0.58	3234	33156	19230	0.58	3388	31928	18518	0.58	3542
75	68	37608	17299	0.46	3234	36073	16593	0.46	3427	34998	16099	0.46	3504	33770	15534	0.46	3658
75	72	39143	13308	0.34	3350	37761	12839	0.34	3561	36840	12526	0.34	3658	35305	12004	0.34	3812
75	75	41138	9050	0.22	3504	39603	8713	0.22	3696	38682	8510	0.22	3812	37454	8240	0.22	4004
77	64	36073	22365	0.62	3080	34538	21413	0.62	3234	33156	20557	0.62	3388	31928	19795	0.62	3542
77	68	37608	18804	0.50	3234	36073	18036	0.50	3427	34998	17499	0.50	3504	33770	16885	0.50	3658
77	72	39143	14874	0.38	3350	37761	14349	0.38	3561	36840	13999	0.38	3658	35305	13416	0.38	3812
77	75	41138	10696	0.26	3504	39603	10297	0.26	3696	38682	10057	0.26	3812	37454	9738	0.26	4004
79	64	36073	23808	0.66	3080	34538	22795	0.66	3234	33156	21883	0.66	3388	31928	21072	0.66	3542
79	68	37608	20308	0.54	3234	36073	19479	0.54	3427	34998	18899	0.54	3504	33770	18236	0.54	3658
79	72	39143	16440	0.42	3350	37761	15860	0.42	3561	36840	15473	0.42	3658	35305	14828	0.42	3812
79	75	41138	12341	0.30	3504	39603	11881	0.30	3696	38682	11605	0.30	3812	37454	11236	0.30	4004
79	79	42366	7626	0.18	3696	41138	7405	0.18	3889	40524	7294	0.18	4004	39296	7073	0.18	4120
81	64	36073	25251	0.70	3080	34538	24176	0.70	3234	33156	23209	0.70	3388	31928	22350	0.70	3542
81	68	37608	21812	0.58	3234	36073	20922	0.58	3427	34998	20299	0.58	3504	33770	19587	0.58	3658
81	72	39143	18006	0.46	3350	37761	17370	0.46	3561	36840	16946	0.46	3658	35305	16240	0.46	3812
81	75	41138	13987	0.34	3504	39603	13465	0.34	3696	38682	13152	0.34	3812	37454	12734	0.34	4004
81	79	42366	9321	0.22	3696	41138	9050	0.22	3889	40524	8915	0.22	4004	39296	8645	0.22	4120
82	64	36073	26694	0.74	3080	34538	25558	0.74	3234	33156	24535	0.74	3388	31928	23627	0.74	3542
82	68	37608	23317	0.62	3234	36073	22365	0.62	3427	34998	21699	0.62	3504	33770	20937	0.62	3658
82	72	39143	19571	0.50	3350	37761	18881	0.50	3561	36840	18420	0.50	3658	35305	17653	0.50	3812
82	75	41138	15632	0.38	3504	39603	15049	0.38	3696	38682	14699	0.38	3812	37454	14233	0.38	4004
82	79	42366	11015	0.26	3696	41138	10696	0.26	3889	40524	10536	0.26	4004	39296	10217	0.26	4120
84	64	36073	28137	0.78	3080	34538	26939	0.78	3234	33156	25862	0.78	3388	31928	24904	0.78	3542
84	68	37608	24821	0.66	3234	36073	23808	0.66	3427	34998	23099	0.66	3504	33770	22288	0.66	3658
84	72	39143	21137	0.54	3350	37761	20391	0.54	3561	36840	19894	0.54	3658	35305	19065	0.54	3812
84	75	41138	17278	0.42	3504	39603	16633	0.42	3696	38682	16246	0.42	3812	37454	15731	0.42	4004
84	79	42366	12710	0.30	3696	41138	12341	0.30	3889	40524	12157	0.30	4004	39296	11789	0.30	4120
86	64	36073	29579	0.82	3080	34538	28321	0.82	3234	33156	27188	0.82	3388	31928	26181	0.82	3542
86	68	37608	26325	0.70	3234	36073	25251	0.70	3427	34998	24499	0.70	3504	33770	23639	0.70	3658
86	72	39143	22703	0.58	3350	37761	21901	0.58	3561	36840	21367	0.58	3658	35305	20477	0.58	3812
86	75	41138	18923	0.46	3504	39603	18217	0.46	3696	38682	17794	0.46	3812	37454	17229	0.46	4004
86	79	42366	14404	0.34	3696	41138	13987	0.34	3889	40524	13778	0.34	4004	39296	13361	0.34	4120
88	64	36073	31022	0.86	3080	34538	29702	0.86	3234	33156	28514	0.86	3388	31928	27458	0.86	3542
88	68	37608	27830	0.74	3234	36073	26694	0.74	3427	34998	25899	0.74	3504	33770	24990	0.74	3658
88	72	39143	24268	0.62	3350	37761	23412	0.62	3561	36840	22841	0.62	3658	35305	21889	0.62	3812
88	75	41138	20569	0.50	3504	39603	19802	0.50	3696	38682	19341	0.50	3812	37454	18727	0.50	4004
88	79	42366	16099	0.38	3696	41138	15632	0.38	3889	40524	15399	0.38	4004	39296	14932	0.38	4120
90	64	36073	32465	0.90	3080	34538	31084	0.90	3234	33156	29840	0.90	3388	31928	28735	0.90	3542
90	68	37608	29334	0.78	3234	36073	28137	0.78	3427	34998	27298	0.78	3504	33770	26341	0.78	3658
90	72	39143	25834	0.66	3350	37761	24922	0.66	3561	36840	24314	0.66	3658	35305	23301	0.66	3812
90	75	41138	22215	0.54	3504	39603	21386	0.54	3696	38682	20888	0.54	3812	37454	20225	0.54	4004
90	79	42366	17794	0.42	3696	41138	17278	0.42	3889	40524	17020	0.42	4004	39296	16504	0.42	4120

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-D30NA

CAPACITY (Btu/h): 30700 INPUT: 3850 (W) SHF: 0.64

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	30086	13840	0.46	3773	27630	12710	0.46	4004	25481	11721	0.46	4158
70	68	31621	10751	0.34	3927	29472	10020	0.34	4120	27323	9290	0.34	4351
72	64	30086	15043	0.50	3773	27630	13815	0.50	4004	25481	12741	0.50	4158
72	68	31621	12016	0.38	3927	29472	11199	0.38	4120	27323	10383	0.38	4351
72	72	33463	8700	0.26	4081	31314	8142	0.26	4312	29165	7583	0.26	4466
73	64	30086	16246	0.54	3773	27630	14920	0.54	4004	25481	13760	0.54	4158
73	68	31621	13281	0.42	3927	29472	12378	0.42	4120	27323	11476	0.42	4351
73	72	33463	10039	0.30	4081	31314	9394	0.30	4312	29165	8750	0.30	4466
75	64	30086	17450	0.58	3773	27630	16025	0.58	4004	25481	14779	0.58	4158
75	68	31621	14546	0.46	3927	29472	13557	0.46	4120	27323	12569	0.46	4351
75	72	33463	11377	0.34	4081	31314	10647	0.34	4312	29165	9916	0.34	4466
75	75	35305	7767	0.22	4235	33156	7294	0.22	4428	31314	6889	0.22	4620
77	64	30086	18653	0.62	3773	27630	17131	0.62	4004	25481	15798	0.62	4158
77	68	31621	15811	0.50	3927	29472	14736	0.50	4120	27323	13662	0.50	4351
77	72	33463	12716	0.38	4081	31314	11899	0.38	4312	29165	11083	0.38	4466
77	75	35305	9179	0.26	4235	33156	8621	0.26	4428	31314	8142	0.26	4620
79	64	30086	19857	0.66	3773	27630	18236	0.66	4004	25481	16817	0.66	4158
79	68	31621	17075	0.54	3927	29472	15915	0.54	4120	27323	14754	0.54	4351
79	72	33463	14054	0.42	4081	31314	13152	0.42	4312	29165	12249	0.42	4466
79	75	35305	10592	0.30	4235	33156	9947	0.30	4428	31314	9394	0.30	4620
79	79	37147	6686	0.18	4389	34998	6300	0.18	4582	32849	5913	0.18	4774
81	64	30086	21060	0.70	3773	27630	19341	0.70	4004	25481	17837	0.70	4158
81	68	31621	18340	0.58	3927	29472	17094	0.58	4120	27323	15847	0.58	4351
81	72	33463	15393	0.46	4081	31314	14404	0.46	4312	29165	13416	0.46	4466
81	75	35305	12004	0.34	4235	33156	11273	0.34	4428	31314	10647	0.34	4620
81	79	37147	8172	0.22	4389	34998	7700	0.22	4582	32849	7227	0.22	4774
82	64	30086	22264	0.74	3773	27630	20446	0.74	4004	25481	18856	0.74	4158
82	68	31621	19605	0.62	3927	29472	18273	0.62	4120	27323	16940	0.62	4351
82	72	33463	16732	0.50	4081	31314	15657	0.50	4312	29165	14583	0.50	4466
82	75	35305	13416	0.38	4235	33156	12599	0.38	4428	31314	11899	0.38	4620
82	79	37147	9658	0.26	4389	34998	9099	0.26	4582	32849	8541	0.26	4774
84	64	30086	23467	0.78	3773	27630	21551	0.78	4004	25481	19875	0.78	4158
84	68	31621	20870	0.66	3927	29472	19452	0.66	4120	27323	18033	0.66	4351
84	72	33463	18070	0.54	4081	31314	16910	0.54	4312	29165	15749	0.54	4466
84	75	35305	14828	0.42	4235	33156	13926	0.42	4428	31314	13152	0.42	4620
84	79	37147	11144	0.30	4389	34998	10499	0.30	4582	32849	9855	0.30	4774
86	64	30086	24671	0.82	3773	27630	22657	0.82	4004	25481	20894	0.82	4158
86	68	31621	22135	0.70	3927	29472	20630	0.70	4120	27323	19126	0.70	4351
86	72	33463	19409	0.58	4081	31314	18162	0.58	4312	29165	16916	0.58	4466
86	75	35305	16240	0.46	4235	33156	15252	0.46	4428	31314	14404	0.46	4620
86	79	37147	12630	0.34	4389	34998	11899	0.34	4582	32849	11169	0.34	4774
88	64	30086	25874	0.86	3773	27630	23762	0.86	4004	25481	21914	0.86	4158
88	68	31621	23400	0.74	3927	29472	21809	0.74	4120	27323	20219	0.74	4351
88	72	33463	20747	0.62	4081	31314	19415	0.62	4312	29165	18082	0.62	4466
88	75	35305	17653	0.50	4235	33156	16578	0.50	4428	31314	15657	0.50	4620
88	79	37147	14116	0.38	4389	34998	13299	0.38	4582	32849	12483	0.38	4774
90	64	30086	27077	0.90	3773	27630	24867	0.90	4004	25481	22933	0.90	4158
90	68	31621	24664	0.78	3927	29472	22988	0.78	4120	27323	21312	0.78	4351
90	72	33463	22086	0.66	4081	31314	20667	0.66	4312	29165	19249	0.66	4466
90	75	35305	19065	0.54	4235	33156	17904	0.54	4428	31314	16910	0.54	4620
90	79	37147	15602	0.42	4389	34998	14699	0.42	4582	32849	13797	0.42	4774

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUY-D30NA

CAPACITY (Btu/h): 30700 INPUT: 3380 (W) SHF: 0.64

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	36073	16593	0.46	2704	34538	15887	0.46	2839	33156	15252	0.46	2974	31928	14687	0.46	3110
70	68	37608	12787	0.34	2839	36073	12265	0.34	3008	34998	11899	0.34	3076	33770	11482	0.34	3211
72	64	36073	18036	0.50	2704	34538	17269	0.50	2839	33156	16578	0.50	2974	31928	15964	0.50	3110
72	68	37608	14291	0.38	2839	36073	13708	0.38	3008	34998	13299	0.38	3076	33770	12833	0.38	3211
72	72	39143	10177	0.26	2941	37761	9818	0.26	3127	36840	9578	0.26	3211	35305	9179	0.26	3346
73	64	36073	19479	0.54	2704	34538	18650	0.54	2839	33156	17904	0.54	2974	31928	17241	0.54	3110
73	68	37608	15795	0.42	2839	36073	15150	0.42	3008	34998	14699	0.42	3076	33770	14183	0.42	3211
73	72	39143	11743	0.30	2941	37761	11328	0.30	3127	36840	11052	0.30	3211	35305	10592	0.30	3346
75	64	36073	20922	0.58	2704	34538	20032	0.58	2839	33156	19230	0.58	2974	31928	18518	0.58	3110
75	68	37608	17299	0.46	2839	36073	16593	0.46	3008	34998	16099	0.46	3076	33770	15534	0.46	3211
75	72	39143	13308	0.34	2941	37761	12839	0.34	3127	36840	12526	0.34	3211	35305	12004	0.34	3346
75	75	41138	9050	0.22	3076	39603	8713	0.22	3245	38682	8510	0.22	3346	37454	8240	0.22	3515
77	64	36073	22365	0.62	2704	34538	21413	0.62	2839	33156	20557	0.62	2974	31928	19795	0.62	3110
77	68	37608	18804	0.50	2839	36073	18036	0.50	3008	34998	17499	0.50	3076	33770	16885	0.50	3211
77	72	39143	14874	0.38	2941	37761	14349	0.38	3127	36840	13999	0.38	3211	35305	13416	0.38	3346
77	75	41138	10696	0.26	3076	39603	10297	0.26	3245	38682	10057	0.26	3346	37454	9738	0.26	3515
79	64	36073	23808	0.66	2704	34538	22795	0.66	2839	33156	21883	0.66	2974	31928	21072	0.66	3110
79	68	37608	20308	0.54	2839	36073	19479	0.54	3008	34998	18899	0.54	3076	33770	18236	0.54	3211
79	72	39143	16440	0.42	2941	37761	15860	0.42	3127	36840	15473	0.42	3211	35305	14828	0.42	3346
79	75	41138	12341	0.30	3076	39603	11881	0.30	3245	38682	11605	0.30	3346	37454	11236	0.30	3515
79	79	42366	7626	0.18	3245	41138	7405	0.18	3414	40524	7294	0.18	3515	39296	7073	0.18	3617
81	64	36073	25251	0.70	2704	34538	24176	0.70	2839	33156	23209	0.70	2974	31928	22350	0.70	3110
81	68	37608	21812	0.58	2839	36073	20922	0.58	3008	34998	20299	0.58	3076	33770	19587	0.58	3211
81	72	39143	18006	0.46	2941	37761	17370	0.46	3127	36840	16946	0.46	3211	35305	16240	0.46	3346
81	75	41138	13987	0.34	3076	39603	13465	0.34	3245	38682	13152	0.34	3346	37454	12734	0.34	3515
81	79	42366	9321	0.22	3245	41138	9050	0.22	3414	40524	8915	0.22	3515	39296	8645	0.22	3617
82	64	36073	26694	0.74	2704	34538	25558	0.74	2839	33156	24535	0.74	2974	31928	23627	0.74	3110
82	68	37608	23317	0.62	2839	36073	22365	0.62	3008	34998	21699	0.62	3076	33770	20937	0.62	3211
82	72	39143	19571	0.50	2941	37761	18881	0.50	3127	36840	18420	0.50	3211	35305	17653	0.50	3346
82	75	41138	15632	0.38	3076	39603	15049	0.38	3245	38682	14699	0.38	3346	37454	14233	0.38	3515
82	79	42366	11015	0.26	3245	41138	10696	0.26	3414	40524	10536	0.26	3515	39296	10217	0.26	3617
84	64	36073	28137	0.78	2704	34538	26939	0.78	2839	33156	25862	0.78	2974	31928	24904	0.78	3110
84	68	37608	24821	0.66	2839	36073	23808	0.66	3008	34998	23099	0.66	3076	33770	22288	0.66	3211
84	72	39143	21137	0.54	2941	37761	20391	0.54	3127	36840	19894	0.54	3211	35305	19065	0.54	3346
84	75	41138	17278	0.42	3076	39603	16633	0.42	3245	38682	16246	0.42	3346	37454	15731	0.42	3515
84	79	42366	12710	0.30	3245	41138	12341	0.30	3414	40524	12157	0.30	3515	39296	11789	0.30	3617
86	64	36073	29579	0.82	2704	34538	28321	0.82	2839	33156	27188	0.82	2974	31928	26181	0.82	3110
86	68	37608	26325	0.70	2839	36073	25251	0.70	3008	34998	24499	0.70	3076	33770	23639	0.70	3211
86	72	39143	22703	0.58	2941	37761	21901	0.58	3127	36840	21367	0.58	3211	35305	20477	0.58	3346
86	75	41138	18923	0.46	3076	39603	18217	0.46	3245	38682	17794	0.46	3346	37454	17229	0.46	3515
86	79	42366	14404	0.34	3245	41138	13987	0.34	3414	40524	13778	0.34	3515	39296	13361	0.34	3617
88	64	36073	31022	0.86	2704	34538	29702	0.86	2839	33156	28514	0.86	2974	31928	27458	0.86	3110
88	68	37608	27830	0.74	2839	36073	26694	0.74	3008	34998	25899	0.74	3076	33770	24990	0.74	3211
88	72	39143	24268	0.62	2941	37761	23412	0.62	3127	36840	22841	0.62	3211	35305	21889	0.62	3346
88	75	41138	20569	0.50	3076	39603	19802	0.50	3245	38682	19341	0.50	3346	37454	18727	0.50	3515
88	79	42366	16099	0.38	3245	41138	15632	0.38	3414	40524	15399	0.38	3515	39296	14932	0.38	3617
90	64	36073	32465	0.90	2704	34538	31084	0.90	2839	33156	29840	0.90	2974	31928	28735	0.90	3110
90	68	37608	29334	0.78	2839	36073	28137	0.78	3008	34998	27298	0.78	3076	33770	26341	0.78	3211
90	72	39143	25834	0.66	2941	37761	24922	0.66	3127	36840	24314	0.66	3211	35305	23301	0.66	3346
90	75	41138	22215	0.54	3076	39603	21386	0.54	3245	38682	20888	0.54	3346	37454	20225	0.54	3515
90	79	42366	17794	0.42	3245	41138	17278	0.42	3414	40524	17020	0.42	3515	39296	16504	0.42	3617

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUY-D30NA

CAPACITY (Btu/h): 30700 INPUT: 3380 (W) SHF: 0.64

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	30086	13840	0.46	3312	27630	12710	0.46	3515	25481	11721	0.46	3650
70	68	31621	10751	0.34	3448	29472	10020	0.34	3617	27323	9290	0.34	3819
72	64	30086	15043	0.50	3312	27630	13815	0.50	3515	25481	12741	0.50	3650
72	68	31621	12016	0.38	3448	29472	11199	0.38	3617	27323	10383	0.38	3819
72	72	33463	8700	0.26	3583	31314	8142	0.26	3786	29165	7583	0.26	3921
73	64	30086	16246	0.54	3312	27630	14920	0.54	3515	25481	13760	0.54	3650
73	68	31621	13281	0.42	3448	29472	12378	0.42	3617	27323	11476	0.42	3819
73	72	33463	10039	0.30	3583	31314	9394	0.30	3786	29165	8750	0.30	3921
75	64	30086	17450	0.58	3312	27630	16025	0.58	3515	25481	14779	0.58	3650
75	68	31621	14546	0.46	3448	29472	13557	0.46	3617	27323	12569	0.46	3819
75	72	33463	11377	0.34	3583	31314	10647	0.34	3786	29165	9916	0.34	3921
75	75	35305	7767	0.22	3718	33156	7294	0.22	3887	31314	6889	0.22	4056
77	64	30086	18653	0.62	3312	27630	17131	0.62	3515	25481	15798	0.62	3650
77	68	31621	15811	0.50	3448	29472	14736	0.50	3617	27323	13662	0.50	3819
77	72	33463	12716	0.38	3583	31314	11899	0.38	3786	29165	11083	0.38	3921
77	75	35305	9179	0.26	3718	33156	8621	0.26	3887	31314	8142	0.26	4056
79	64	30086	19857	0.66	3312	27630	18236	0.66	3515	25481	16817	0.66	3650
79	68	31621	17075	0.54	3448	29472	15915	0.54	3617	27323	14754	0.54	3819
79	72	33463	14054	0.42	3583	31314	13152	0.42	3786	29165	12249	0.42	3921
79	75	35305	10592	0.30	3718	33156	9947	0.30	3887	31314	9394	0.30	4056
79	79	37147	6686	0.18	3853	34998	6300	0.18	4022	32849	5913	0.18	4191
81	64	30086	21060	0.70	3312	27630	19341	0.70	3515	25481	17837	0.70	3650
81	68	31621	18340	0.58	3448	29472	17094	0.58	3617	27323	15847	0.58	3819
81	72	33463	15393	0.46	3583	31314	14404	0.46	3786	29165	13416	0.46	3921
81	75	35305	12004	0.34	3718	33156	11273	0.34	3887	31314	10647	0.34	4056
81	79	37147	8172	0.22	3853	34998	7700	0.22	4022	32849	7227	0.22	4191
82	64	30086	22264	0.74	3312	27630	20446	0.74	3515	25481	18856	0.74	3650
82	68	31621	19605	0.62	3448	29472	18273	0.62	3617	27323	16940	0.62	3819
82	72	33463	16732	0.50	3583	31314	15657	0.50	3786	29165	14583	0.50	3921
82	75	35305	13416	0.38	3718	33156	12599	0.38	3887	31314	11899	0.38	4056
82	79	37147	9658	0.26	3853	34998	9099	0.26	4022	32849	8541	0.26	4191
84	64	30086	23467	0.78	3312	27630	21551	0.78	3515	25481	19875	0.78	3650
84	68	31621	20870	0.66	3448	29472	19452	0.66	3617	27323	18033	0.66	3819
84	72	33463	18070	0.54	3583	31314	16910	0.54	3786	29165	15749	0.54	3921
84	75	35305	14828	0.42	3718	33156	13926	0.42	3887	31314	13152	0.42	4056
84	79	37147	11144	0.30	3853	34998	10499	0.30	4022	32849	9855	0.30	4191
86	64	30086	24671	0.82	3312	27630	22657	0.82	3515	25481	20894	0.82	3650
86	68	31621	22135	0.70	3448	29472	20630	0.70	3617	27323	19126	0.70	3819
86	72	33463	19409	0.58	3583	31314	18162	0.58	3786	29165	16916	0.58	3921
86	75	35305	16240	0.46	3718	33156	15252	0.46	3887	31314	14404	0.46	4056
86	79	37147	12630	0.34	3853	34998	11899	0.34	4022	32849	11169	0.34	4191
88	64	30086	25874	0.86	3312	27630	23762	0.86	3515	25481	21914	0.86	3650
88	68	31621	23400	0.74	3448	29472	21809	0.74	3617	27323	20219	0.74	3819
88	72	33463	20747	0.62	3583	31314	19415	0.62	3786	29165	18082	0.62	3921
88	75	35305	17653	0.50	3718	33156	16578	0.50	3887	31314	15657	0.50	4056
88	79	37147	14116	0.38	3853	34998	13299	0.38	4022	32849	12483	0.38	4191
90	64	30086	27077	0.90	3312	27630	24867	0.90	3515	25481	22933	0.90	3650
90	68	31621	24664	0.78	3448	29472	22988	0.78	3617	27323	21312	0.78	3819
90	72	33463	22086	0.66	3583	31314	20667	0.66	3786	29165	19249	0.66	3921
90	75	35305	19065	0.54	3718	33156	17904	0.54	3887	31314	16910	0.54	4056
90	79	37147	15602	0.42	3853	34998	14699	0.42	4022	32849	13797	0.42	4191

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-D36NA (208V)

CAPACITY (Btu/h): 32000 INPUT: 4140 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	37600	16544	0.44	3312	36000	15840	0.44	3478	34560	15206	0.44	3643	33280	14643	0.44	3809
70	68	39200	12544	0.32	3478	37600	12032	0.32	3685	36480	11674	0.32	3767	35200	11264	0.32	3933
72	64	37600	18048	0.48	3312	36000	17280	0.48	3478	34560	16589	0.48	3643	33280	15974	0.48	3809
72	68	39200	14112	0.36	3478	37600	13536	0.36	3685	36480	13133	0.36	3767	35200	12672	0.36	3933
72	72	40800	9792	0.24	3602	39360	9446	0.24	3830	38400	9216	0.24	3933	36800	8832	0.24	4099
73	64	37600	19552	0.52	3312	36000	18720	0.52	3478	34560	17971	0.52	3643	33280	17306	0.52	3809
73	68	39200	15680	0.40	3478	37600	15040	0.40	3685	36480	14592	0.40	3767	35200	14080	0.40	3933
73	72	40800	11424	0.28	3602	39360	11021	0.28	3830	38400	10752	0.28	3933	36800	10304	0.28	4099
75	64	37600	21056	0.56	3312	36000	20160	0.56	3478	34560	19354	0.56	3643	33280	18637	0.56	3809
75	68	39200	17248	0.44	3478	37600	16544	0.44	3685	36480	16051	0.44	3767	35200	15488	0.44	3933
75	72	40800	13056	0.32	3602	39360	12595	0.32	3830	38400	12288	0.32	3933	36800	11776	0.32	4099
75	75	42880	8576	0.20	3767	41280	8256	0.20	3974	40320	8064	0.20	4099	39040	7808	0.20	4306
77	64	37600	22560	0.60	3312	36000	21600	0.60	3478	34560	20736	0.60	3643	33280	19968	0.60	3809
77	68	39200	18816	0.48	3478	37600	18048	0.48	3685	36480	17510	0.48	3767	35200	16896	0.48	3933
77	72	40800	14688	0.36	3602	39360	14170	0.36	3830	38400	13824	0.36	3933	36800	13248	0.36	4099
77	75	42880	10291	0.24	3767	41280	9907	0.24	3974	40320	9677	0.24	4099	39040	9370	0.24	4306
79	64	37600	24064	0.64	3312	36000	23040	0.64	3478	34560	22118	0.64	3643	33280	21299	0.64	3809
79	68	39200	20384	0.52	3478	37600	19552	0.52	3685	36480	18970	0.52	3767	35200	18304	0.52	3933
79	72	40800	16320	0.40	3602	39360	15744	0.40	3830	38400	15360	0.40	3933	36800	14720	0.40	4099
79	75	42880	12006	0.28	3767	41280	11558	0.28	3974	40320	11290	0.28	4099	39040	10931	0.28	4306
79	79	44160	7066	0.16	3974	42880	6861	0.16	4181	42240	6758	0.16	4306	40960	6554	0.16	4430
81	64	37600	25568	0.68	3312	36000	24480	0.68	3478	34560	23501	0.68	3643	33280	22630	0.68	3809
81	68	39200	21952	0.56	3478	37600	21056	0.56	3685	36480	20429	0.56	3767	35200	19712	0.56	3933
81	72	40800	17952	0.44	3602	39360	17318	0.44	3830	38400	16896	0.44	3933	36800	16192	0.44	4099
81	75	42880	13722	0.32	3767	41280	13210	0.32	3974	40320	12902	0.32	4099	39040	12493	0.32	4306
81	79	44160	8832	0.20	3974	42880	8576	0.20	4181	42240	8448	0.20	4306	40960	8192	0.20	4430
82	64	37600	27072	0.72	3312	36000	25920	0.72	3478	34560	24883	0.72	3643	33280	23962	0.72	3809
82	68	39200	23520	0.60	3478	37600	22560	0.60	3685	36480	21888	0.60	3767	35200	21120	0.60	3933
82	72	40800	19584	0.48	3602	39360	18893	0.48	3830	38400	18432	0.48	3933	36800	17664	0.48	4099
82	75	42880	15437	0.36	3767	41280	14861	0.36	3974	40320	14515	0.36	4099	39040	14054	0.36	4306
82	79	44160	10598	0.24	3974	42880	10291	0.24	4181	42240	10138	0.24	4306	40960	9830	0.24	4430
84	64	37600	28576	0.76	3312	36000	27360	0.76	3478	34560	26266	0.76	3643	33280	25293	0.76	3809
84	68	39200	25088	0.64	3478	37600	24064	0.64	3685	36480	23347	0.64	3767	35200	22528	0.64	3933
84	72	40800	21216	0.52	3602	39360	20467	0.52	3830	38400	19968	0.52	3933	36800	19136	0.52	4099
84	75	42880	17152	0.40	3767	41280	16512	0.40	3974	40320	16128	0.40	4099	39040	15616	0.40	4306
84	79	44160	12365	0.28	3974	42880	12006	0.28	4181	42240	11827	0.28	4306	40960	11469	0.28	4430
86	64	37600	30080	0.80	3312	36000	28800	0.80	3478	34560	27648	0.80	3643	33280	26624	0.80	3809
86	68	39200	26656	0.68	3478	37600	25568	0.68	3685	36480	24806	0.68	3767	35200	23936	0.68	3933
86	72	40800	22848	0.56	3602	39360	22042	0.56	3830	38400	21504	0.56	3933	36800	20608	0.56	4099
86	75	42880	18867	0.44	3767	41280	18163	0.44	3974	40320	17741	0.44	4099	39040	17178	0.44	4306
86	79	44160	14131	0.32	3974	42880	13722	0.32	4181	42240	13517	0.32	4306	40960	13107	0.32	4430
88	64	37600	31584	0.84	3312	36000	30240	0.84	3478	34560	29030	0.84	3643	33280	27955	0.84	3809
88	68	39200	28224	0.72	3478	37600	27072	0.72	3685	36480	26266	0.72	3767	35200	25344	0.72	3933
88	72	40800	24480	0.60	3602	39360	23616	0.60	3830	38400	23040	0.60	3933	36800	22080	0.60	4099
88	75	42880	20582	0.48	3767	41280	19814	0.48	3974	40320	19354	0.48	4099	39040	18739	0.48	4306
88	79	44160	15898	0.36	3974	42880	15437	0.36	4181	42240	15206	0.36	4306	40960	14746	0.36	4430
90	64	37600	33088	0.88	3312	36000	31680	0.88	3478	34560	30413	0.88	3643	33280	29286	0.88	3809
90	68	39200	29792	0.76	3478	37600	28576	0.76	3685	36480	27725	0.76	3767	35200	26752	0.76	3933
90	72	40800	26112	0.64	3602	39360	25190	0.64	3830	38400	24576	0.64	3933	36800	23552	0.64	4099
90	75	42880	22298	0.52	3767	41280	21466	0.52	3974	40320	20966	0.52	4099	39040	20301	0.52	4306
90	79	44160	17664	0.40	3974	42880	17152	0.40	4181	42240	16896	0.40	4306	40960	16384	0.40	4430

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-D36NA (208V)

CAPACITY (Btu/h): 32000 INPUT: 4140 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	31360	13798	0.44	4057	28800	12672	0.44	4306	26560	11686	0.44	4471
70	68	32960	10547	0.32	4223	30720	9830	0.32	4430	28480	9114	0.32	4678
72	64	31360	15053	0.48	4057	28800	13824	0.48	4306	26560	12749	0.48	4471
72	68	32960	11866	0.36	4223	30720	11059	0.36	4430	28480	10253	0.36	4678
72	72	34880	8371	0.24	4388	32640	7834	0.24	4637	30400	7296	0.24	4802
73	64	31360	16307	0.52	4057	28800	14976	0.52	4306	26560	13811	0.52	4471
73	68	32960	13184	0.40	4223	30720	12288	0.40	4430	28480	11392	0.40	4678
73	72	34880	9766	0.28	4388	32640	9139	0.28	4637	30400	8512	0.28	4802
75	64	31360	17562	0.56	4057	28800	16128	0.56	4306	26560	14874	0.56	4471
75	68	32960	14502	0.44	4223	30720	13517	0.44	4430	28480	12531	0.44	4678
75	72	34880	11162	0.32	4388	32640	10445	0.32	4637	30400	9728	0.32	4802
75	75	36800	7360	0.20	4554	34560	6912	0.20	4761	32640	6528	0.20	4968
77	64	31360	18816	0.60	4057	28800	17280	0.60	4306	26560	15936	0.60	4471
77	68	32960	15821	0.48	4223	30720	14746	0.48	4430	28480	13670	0.48	4678
77	72	34880	12557	0.36	4388	32640	11750	0.36	4637	30400	10944	0.36	4802
77	75	36800	8832	0.24	4554	34560	8294	0.24	4761	32640	7834	0.24	4968
79	64	31360	20070	0.64	4057	28800	18432	0.64	4306	26560	16998	0.64	4471
79	68	32960	17139	0.52	4223	30720	15974	0.52	4430	28480	14810	0.52	4678
79	72	34880	13952	0.40	4388	32640	13056	0.40	4637	30400	12160	0.40	4802
79	75	36800	10304	0.28	4554	34560	9677	0.28	4761	32640	9139	0.28	4968
79	79	38720	6195	0.16	4720	36480	5837	0.16	4927	34240	5478	0.16	5134
81	64	31360	21325	0.68	4057	28800	19584	0.68	4306	26560	18061	0.68	4471
81	68	32960	18458	0.56	4223	30720	17203	0.56	4430	28480	15949	0.56	4678
81	72	34880	15347	0.44	4388	32640	14362	0.44	4637	30400	13376	0.44	4802
81	75	36800	11776	0.32	4554	34560	11059	0.32	4761	32640	10445	0.32	4968
81	79	38720	7744	0.20	4720	36480	7296	0.20	4927	34240	6848	0.20	5134
82	64	31360	22579	0.72	4057	28800	20736	0.72	4306	26560	19123	0.72	4471
82	68	32960	19776	0.60	4223	30720	18432	0.60	4430	28480	17088	0.60	4678
82	72	34880	16742	0.48	4388	32640	15667	0.48	4637	30400	14592	0.48	4802
82	75	36800	13248	0.36	4554	34560	12442	0.36	4761	32640	11750	0.36	4968
82	79	38720	9293	0.24	4720	36480	8755	0.24	4927	34240	8218	0.24	5134
84	64	31360	23834	0.76	4057	28800	21888	0.76	4306	26560	20186	0.76	4471
84	68	32960	21094	0.64	4223	30720	19661	0.64	4430	28480	18227	0.64	4678
84	72	34880	18138	0.52	4388	32640	16973	0.52	4637	30400	15808	0.52	4802
84	75	36800	14720	0.40	4554	34560	13824	0.40	4761	32640	13056	0.40	4968
84	79	38720	10842	0.28	4720	36480	10214	0.28	4927	34240	9587	0.28	5134
86	64	31360	25088	0.80	4057	28800	23040	0.80	4306	26560	21248	0.80	4471
86	68	32960	22413	0.68	4223	30720	20890	0.68	4430	28480	19366	0.68	4678
86	72	34880	19533	0.56	4388	32640	18278	0.56	4637	30400	17024	0.56	4802
86	75	36800	16192	0.44	4554	34560	15206	0.44	4761	32640	14362	0.44	4968
86	79	38720	12390	0.32	4720	36480	11674	0.32	4927	34240	10957	0.32	5134
88	64	31360	26342	0.84	4057	28800	24192	0.84	4306	26560	22310	0.84	4471
88	68	32960	23731	0.72	4223	30720	22118	0.72	4430	28480	20506	0.72	4678
88	72	34880	20928	0.60	4388	32640	19584	0.60	4637	30400	18240	0.60	4802
88	75	36800	17664	0.48	4554	34560	16589	0.48	4761	32640	15667	0.48	4968
88	79	38720	13939	0.36	4720	36480	13133	0.36	4927	34240	12326	0.36	5134
90	64	31360	27597	0.88	4057	28800	25344	0.88	4306	26560	23373	0.88	4471
90	68	32960	25050	0.76	4223	30720	23347	0.76	4430	28480	21645	0.76	4678
90	72	34880	22323	0.64	4388	32640	20890	0.64	4637	30400	19456	0.64	4802
90	75	36800	19136	0.52	4554	34560	17971	0.52	4761	32640	16973	0.52	4968
90	79	38720	15488	0.40	4720	36480	14592	0.40	4927	34240	13696	0.40	5134

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-D36NA (230V)

CAPACITY (Btu/h): 33200 INPUT: 4360 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	39010	17164	0.44	3488	37350	16434	0.44	3662	35856	15777	0.44	3837	34528	15192	0.44	4011
70	68	40670	13014	0.32	3662	39010	12483	0.32	3880	37848	12111	0.32	3968	36520	11686	0.32	4142
72	64	39010	18725	0.48	3488	37350	17928	0.48	3662	35856	17211	0.48	3837	34528	16573	0.48	4011
72	68	40670	14641	0.36	3662	39010	14044	0.36	3880	37848	13625	0.36	3968	36520	13147	0.36	4142
72	72	42330	10159	0.24	3793	40836	9801	0.24	4033	39840	9562	0.24	4142	38180	9163	0.24	4316
73	64	39010	20285	0.52	3488	37350	19422	0.52	3662	35856	18645	0.52	3837	34528	17955	0.52	4011
73	68	40670	16268	0.40	3662	39010	15604	0.40	3880	37848	15139	0.40	3968	36520	14608	0.40	4142
73	72	42330	11852	0.28	3793	40836	11434	0.28	4033	39840	11155	0.28	4142	38180	10690	0.28	4316
75	64	39010	21846	0.56	3488	37350	20916	0.56	3662	35856	20079	0.56	3837	34528	19336	0.56	4011
75	68	40670	17895	0.44	3662	39010	17164	0.44	3880	37848	16653	0.44	3968	36520	16069	0.44	4142
75	72	42330	13546	0.32	3793	40836	13068	0.32	4033	39840	12749	0.32	4142	38180	12218	0.32	4316
75	75	44488	8898	0.20	3968	42828	8566	0.20	4186	41832	8366	0.20	4316	40504	8101	0.20	4534
77	64	39010	23406	0.60	3488	37350	22410	0.60	3662	35856	21514	0.60	3837	34528	20717	0.60	4011
77	68	40670	19522	0.48	3662	39010	18725	0.48	3880	37848	18167	0.48	3968	36520	17530	0.48	4142
77	72	42330	15239	0.36	3793	40836	14701	0.36	4033	39840	14342	0.36	4142	38180	13745	0.36	4316
77	75	44488	10677	0.24	3968	42828	10279	0.24	4186	41832	10040	0.24	4316	40504	9721	0.24	4534
79	64	39010	24966	0.64	3488	37350	23904	0.64	3662	35856	22948	0.64	3837	34528	22098	0.64	4011
79	68	40670	21148	0.52	3662	39010	20285	0.52	3880	37848	19681	0.52	3968	36520	18990	0.52	4142
79	72	42330	16932	0.40	3793	40836	16334	0.40	4033	39840	15936	0.40	4142	38180	15272	0.40	4316
79	75	44488	12457	0.28	3968	42828	11992	0.28	4186	41832	11713	0.28	4316	40504	11341	0.28	4534
79	79	45816	7331	0.16	4186	44488	7118	0.16	4404	43824	7012	0.16	4534	42496	6799	0.16	4665
81	64	39010	26527	0.68	3488	37350	25398	0.68	3662	35856	24382	0.68	3837	34528	23479	0.68	4011
81	68	40670	22775	0.56	3662	39010	21846	0.56	3880	37848	21195	0.56	3968	36520	20451	0.56	4142
81	72	42330	18625	0.44	3793	40836	17968	0.44	4033	39840	17530	0.44	4142	38180	16799	0.44	4316
81	75	44488	14236	0.32	3968	42828	13705	0.32	4186	41832	13386	0.32	4316	40504	12961	0.32	4534
81	79	45816	9163	0.20	4186	44488	8898	0.20	4404	43824	8765	0.20	4534	42496	8499	0.20	4665
82	64	39010	28087	0.72	3488	37350	26892	0.72	3662	35856	25816	0.72	3837	34528	24860	0.72	4011
82	68	40670	24402	0.60	3662	39010	23406	0.60	3880	37848	22709	0.60	3968	36520	21912	0.60	4142
82	72	42330	20318	0.48	3793	40836	19601	0.48	4033	39840	19123	0.48	4142	38180	18326	0.48	4316
82	75	44488	16016	0.36	3968	42828	15418	0.36	4186	41832	15060	0.36	4316	40504	14581	0.36	4534
82	79	45816	10996	0.24	4186	44488	10677	0.24	4404	43824	10518	0.24	4534	42496	10199	0.24	4665
84	64	39010	29648	0.76	3488	37350	28386	0.76	3662	35856	27251	0.76	3837	34528	26241	0.76	4011
84	68	40670	26029	0.64	3662	39010	24966	0.64	3880	37848	24223	0.64	3968	36520	23373	0.64	4142
84	72	42330	22012	0.52	3793	40836	21235	0.52	4033	39840	20717	0.52	4142	38180	19854	0.52	4316
84	75	44488	17795	0.40	3968	42828	17131	0.40	4186	41832	16733	0.40	4316	40504	16202	0.40	4534
84	79	45816	12828	0.28	4186	44488	12457	0.28	4404	43824	12271	0.28	4534	42496	11899	0.28	4665
86	64	39010	31208	0.80	3488	37350	29880	0.80	3662	35856	28685	0.80	3837	34528	27622	0.80	4011
86	68	40670	27656	0.68	3662	39010	26527	0.68	3880	37848	25737	0.68	3968	36520	24834	0.68	4142
86	72	42330	23705	0.56	3793	40836	22868	0.56	4033	39840	22310	0.56	4142	38180	21381	0.56	4316
86	75	44488	19575	0.44	3968	42828	18844	0.44	4186	41832	18406	0.44	4316	40504	17822	0.44	4534
86	79	45816	14661	0.32	4186	44488	14236	0.32	4404	43824	14024	0.32	4534	42496	13599	0.32	4665
88	64	39010	32768	0.84	3488	37350	31374	0.84	3662	35856	30119	0.84	3837	34528	29004	0.84	4011
88	68	40670	29282	0.72	3662	39010	28087	0.72	3880	37848	27251	0.72	3968	36520	26294	0.72	4142
88	72	42330	25398	0.60	3793	40836	24502	0.60	4033	39840	23904	0.60	4142	38180	22908	0.60	4316
88	75	44488	21354	0.48	3968	42828	20557	0.48	4186	41832	20079	0.48	4316	40504	19442	0.48	4534
88	79	45816	16494	0.36	4186	44488	16016	0.36	4404	43824	15777	0.36	4534	42496	15299	0.36	4665
90	64	39010	34329	0.88	3488	37350	32868	0.88	3662	35856	31553	0.88	3837	34528	30385	0.88	4011
90	68	40670	30909	0.76	3662	39010	29648	0.76	3880	37848	28764	0.76	3968	36520	27755	0.76	4142
90	72	42330	27091	0.64	3793	40836	26135	0.64	4033	39840	25498	0.64	4142	38180	24435	0.64	4316
90	75	44488	23134	0.52	3968	42828	22271	0.52	4186	41832	21753	0.52	4316	40504	21062	0.52	4534
90	79	45816	18326	0.40	4186	44488	17795	0.40	4404	43824	17530	0.40	4534	42496	16998	0.40	4665

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-D36NA (230V)

CAPACITY (Btu/h): 33200 INPUT: 4360 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	32536	14316	0.44	4273	29880	13147	0.44	4534	27556	12125	0.44	4709
70	68	34196	10943	0.32	4447	31872	10199	0.32	4665	29548	9455	0.32	4927
72	64	32536	15617	0.48	4273	29880	14342	0.48	4534	27556	13227	0.48	4709
72	68	34196	12311	0.36	4447	31872	11474	0.36	4665	29548	10637	0.36	4927
72	72	36188	8685	0.24	4622	33864	8127	0.24	4883	31540	7570	0.24	5058
73	64	32536	16919	0.52	4273	29880	15538	0.52	4534	27556	14329	0.52	4709
73	68	34196	13678	0.40	4447	31872	12749	0.40	4665	29548	11819	0.40	4927
73	72	36188	10133	0.28	4622	33864	9482	0.28	4883	31540	8831	0.28	5058
75	64	32536	18220	0.56	4273	29880	16733	0.56	4534	27556	15431	0.56	4709
75	68	34196	15046	0.44	4447	31872	14024	0.44	4665	29548	13001	0.44	4927
75	72	36188	11580	0.32	4622	33864	10836	0.32	4883	31540	10093	0.32	5058
75	75	38180	7636	0.20	4796	35856	7171	0.20	5014	33864	6773	0.20	5232
77	64	32536	19522	0.60	4273	29880	17928	0.60	4534	27556	16534	0.6	4709
77	68	34196	16414	0.48	4447	31872	15299	0.48	4665	29548	14183	0.48	4927
77	72	36188	13028	0.36	4622	33864	12191	0.36	4883	31540	11354	0.36	5058
77	75	38180	9163	0.24	4796	35856	8605	0.24	5014	33864	8127	0.24	5232
79	64	32536	20823	0.64	4273	29880	19123	0.64	4534	27556	17636	0.64	4709
79	68	34196	17782	0.52	4447	31872	16573	0.52	4665	29548	15365	0.52	4927
79	72	36188	14475	0.40	4622	33864	13546	0.40	4883	31540	12616	0.40	5058
79	75	38180	10690	0.28	4796	35856	10040	0.28	5014	33864	9482	0.28	5232
79	79	40172	6428	0.16	4970	37848	6056	0.16	5188	35524	5684	0.16	5406
81	64	32536	22124	0.68	4273	29880	20318	0.68	4534	27556	18738	0.68	4709
81	68	34196	19150	0.56	4447	31872	17848	0.56	4665	29548	16547	0.56	4927
81	72	36188	15923	0.44	4622	33864	14900	0.44	4883	31540	13878	0.44	5058
81	75	38180	12218	0.32	4796	35856	11474	0.32	5014	33864	10836	0.32	5232
81	79	40172	8034	0.20	4970	37848	7570	0.20	5188	35524	7105	0.20	5406
82	64	32536	23426	0.72	4273	29880	21514	0.72	4534	27556	19840	0.72	4709
82	68	34196	20518	0.60	4447	31872	19123	0.60	4665	29548	17729	0.60	4927
82	72	36188	17370	0.48	4622	33864	16255	0.48	4883	31540	15139	0.48	5058
82	75	38180	13745	0.36	4796	35856	12908	0.36	5014	33864	12191	0.36	5232
82	79	40172	9641	0.24	4970	37848	9084	0.24	5188	35524	8526	0.24	5406
84	64	32536	24727	0.76	4273	29880	22709	0.76	4534	27556	20943	0.76	4709
84	68	34196	21885	0.64	4447	31872	20398	0.64	4665	29548	18911	0.64	4927
84	72	36188	18818	0.52	4622	33864	17609	0.52	4883	31540	16401	0.52	5058
84	75	38180	15272	0.40	4796	35856	14342	0.40	5014	33864	13546	0.40	5232
84	79	40172	11248	0.28	4970	37848	10597	0.28	5188	35524	9947	0.28	5406
86	64	32536	26029	0.80	4273	29880	23904	0.80	4534	27556	22045	0.80	4709
86	68	34196	23253	0.68	4447	31872	21673	0.68	4665	29548	20093	0.68	4927
86	72	36188	20265	0.56	4622	33864	18964	0.56	4883	31540	17662	0.56	5058
86	75	38180	16799	0.44	4796	35856	15777	0.44	5014	33864	14900	0.44	5232
86	79	40172	12855	0.32	4970	37848	12111	0.32	5188	35524	11368	0.32	5406
88	64	32536	27330	0.84	4273	29880	25099	0.84	4534	27556	23147	0.84	4709
88	68	34196	24621	0.72	4447	31872	22948	0.72	4665	29548	21275	0.72	4927
88	72	36188	21713	0.60	4622	33864	20318	0.60	4883	31540	18924	0.60	5058
88	75	38180	18326	0.48	4796	35856	17211	0.48	5014	33864	16255	0.48	5232
88	79	40172	14462	0.36	4970	37848	13625	0.36	5188	35524	12789	0.36	5406
90	64	32536	28632	0.88	4273	29880	26294	0.88	4534	27556	24249	0.88	4709
90	68	34196	25989	0.76	4447	31872	24223	0.76	4665	29548	22456	0.76	4927
90	72	36188	23160	0.64	4622	33864	21673	0.64	4883	31540	20186	0.64	5058
90	75	38180	19854	0.52	4796	35856	18645	0.52	5014	33864	17609	0.52	5232
90	79	40172	16069	0.40	4970	37848	15139	0.40	5188	35524	14210	0.40	5406

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUY-D36NA (208V)

CAPACITY (Btu/h): 33200 INPUT: 4210 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	39010	17164	0.44	3368	37350	16434	0.44	3536	35856	15777	0.44	3705	34528	15192	0.44	3873
70	68	40670	13014	0.32	3536	39010	12483	0.32	3747	37848	12111	0.32	3831	36520	11686	0.32	4000
72	64	39010	18725	0.48	3368	37350	17928	0.48	3536	35856	17211	0.48	3705	34528	16573	0.48	3873
72	68	40670	14641	0.36	3536	39010	14044	0.36	3747	37848	13625	0.36	3831	36520	13147	0.36	4000
72	72	42330	10159	0.24	3663	40836	9801	0.24	3894	39840	9562	0.24	4000	38180	9163	0.24	4168
73	64	39010	20285	0.52	3368	37350	19422	0.52	3536	35856	18645	0.52	3705	34528	17955	0.52	3873
73	68	40670	16268	0.40	3536	39010	15604	0.40	3747	37848	15139	0.40	3831	36520	14608	0.40	4000
73	72	42330	11852	0.28	3663	40836	11434	0.28	3894	39840	11155	0.28	4000	38180	10690	0.28	4168
75	64	39010	21846	0.56	3368	37350	20916	0.56	3536	35856	20079	0.56	3705	34528	19336	0.56	3873
75	68	40670	17895	0.44	3536	39010	17164	0.44	3747	37848	16653	0.44	3831	36520	16069	0.44	4000
75	72	42330	13546	0.32	3663	40836	13068	0.32	3894	39840	12749	0.32	4000	38180	12218	0.32	4168
75	75	44488	8898	0.20	3831	42828	8566	0.20	4042	41832	8366	0.20	4168	40504	8101	0.20	4378
77	64	39010	23406	0.60	3368	37350	22410	0.60	3536	35856	21514	0.60	3705	34528	20717	0.60	3873
77	68	40670	19522	0.48	3536	39010	18725	0.48	3747	37848	18167	0.48	3831	36520	17530	0.48	4000
77	72	42330	15239	0.36	3663	40836	14701	0.36	3894	39840	14342	0.36	4000	38180	13745	0.36	4168
77	75	44488	10677	0.24	3831	42828	10279	0.24	4042	41832	10040	0.24	4168	40504	9721	0.24	4378
79	64	39010	24966	0.64	3368	37350	23904	0.64	3536	35856	22948	0.64	3705	34528	22098	0.64	3873
79	68	40670	21148	0.52	3536	39010	20285	0.52	3747	37848	19681	0.52	3831	36520	18990	0.52	4000
79	72	42330	16932	0.40	3663	40836	16334	0.40	3894	39840	15936	0.40	4000	38180	15272	0.40	4168
79	75	44488	12457	0.28	3831	42828	11992	0.28	4042	41832	11713	0.28	4168	40504	11341	0.28	4378
79	79	45816	7331	0.16	4042	44488	7118	0.16	4252	43824	7012	0.16	4378	42496	6799	0.16	4505
81	64	39010	26527	0.68	3368	37350	25398	0.68	3536	35856	24382	0.68	3705	34528	23479	0.68	3873
81	68	40670	22775	0.56	3536	39010	21846	0.56	3747	37848	21195	0.56	3831	36520	20451	0.56	4000
81	72	42330	18625	0.44	3663	40836	17968	0.44	3894	39840	17530	0.44	4000	38180	16799	0.44	4168
81	75	44488	14236	0.32	3831	42828	13705	0.32	4042	41832	13386	0.32	4168	40504	12961	0.32	4378
81	79	45816	9163	0.20	4042	44488	8898	0.20	4252	43824	8765	0.20	4378	42496	8499	0.20	4505
82	64	39010	28087	0.72	3368	37350	26892	0.72	3536	35856	25816	0.72	3705	34528	24860	0.72	3873
82	68	40670	24402	0.60	3536	39010	23406	0.60	3747	37848	22709	0.60	3831	36520	21912	0.60	4000
82	72	42330	20318	0.48	3663	40836	19601	0.48	3894	39840	19123	0.48	4000	38180	18326	0.48	4168
82	75	44488	16016	0.36	3831	42828	15418	0.36	4042	41832	15060	0.36	4168	40504	14581	0.36	4378
82	79	45816	10996	0.24	4042	44488	10677	0.24	4252	43824	10518	0.24	4378	42496	10199	0.24	4505
84	64	39010	29648	0.76	3368	37350	28386	0.76	3536	35856	27251	0.76	3705	34528	26241	0.76	3873
84	68	40670	26029	0.64	3536	39010	24966	0.64	3747	37848	24223	0.64	3831	36520	23373	0.64	4000
84	72	42330	22012	0.52	3663	40836	21235	0.52	3894	39840	20717	0.52	4000	38180	19854	0.52	4168
84	75	44488	17795	0.40	3831	42828	17131	0.40	4042	41832	16733	0.40	4168	40504	16202	0.40	4378
84	79	45816	12828	0.28	4042	44488	12457	0.28	4252	43824	12271	0.28	4378	42496	11899	0.28	4505
86	64	39010	31208	0.80	3368	37350	29880	0.80	3536	35856	28685	0.80	3705	34528	27622	0.80	3873
86	68	40670	27656	0.68	3536	39010	26527	0.68	3747	37848	25737	0.68	3831	36520	24834	0.68	4000
86	72	42330	23705	0.56	3663	40836	22868	0.56	3894	39840	22310	0.56	4000	38180	21381	0.56	4168
86	75	44488	19575	0.44	3831	42828	18844	0.44	4042	41832	18406	0.44	4168	40504	17822	0.44	4378
86	79	45816	14661	0.32	4042	44488	14236	0.32	4252	43824	14024	0.32	4378	42496	13599	0.32	4505
88	64	39010	32768	0.84	3368	37350	31374	0.84	3536	35856	30119	0.84	3705	34528	29004	0.84	3873
88	68	40670	29282	0.72	3536	39010	28087	0.72	3747	37848	27251	0.72	3831	36520	26294	0.72	4000
88	72	42330	25398	0.60	3663	40836	24502	0.60	3894	39840	23904	0.60	4000	38180	22908	0.60	4168
88	75	44488	21354	0.48	3831	42828	20557	0.48	4042	41832	20079	0.48	4168	40504	19442	0.48	4378
88	79	45816	16494	0.36	4042	44488	16016	0.36	4252	43824	15777	0.36	4378	42496	15299	0.36	4505
90	64	39010	34329	0.88	3368	37350	32868	0.88	3536	35856	31553	0.88	3705	34528	30385	0.88	3873
90	68	40670	30909	0.76	3536	39010	29648	0.76	3747	37848	28764	0.76	3831	36520	27755	0.76	4000
90	72	42330	27091	0.64	3663	40836	26135	0.64	3894	39840	25498	0.64	4000	38180	24435	0.64	4168
90	75	44488	23134	0.52	3831	42828	22271	0.52	4042	41832	21753	0.52	4168	40504	21062	0.52	4378
90	79	45816	18326	0.40	4042	44488	17795	0.40	4252	43824	17530	0.40	4378	42496	16998	0.40	4505

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUY-D36NA (208V)

CAPACITY (Btu/h): 33200 INPUT: 4210 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	32536	14316	0.44	4126	29880	13147	0.44	4378	27556	12125	0.44	4547
70	68	34196	10943	0.32	4294	31872	10199	0.32	4505	29548	9455	0.32	4757
72	64	32536	15617	0.48	4126	29880	14342	0.48	4378	27556	13227	0.48	4547
72	68	34196	12311	0.36	4294	31872	11474	0.36	4505	29548	10637	0.36	4757
72	72	36188	8685	0.24	4463	33864	8127	0.24	4715	31540	7570	0.24	4884
73	64	32536	16919	0.52	4126	29880	15538	0.52	4378	27556	14329	0.52	4547
73	68	34196	13678	0.40	4294	31872	12749	0.40	4505	29548	11819	0.40	4757
73	72	36188	10133	0.28	4463	33864	9482	0.28	4715	31540	8831	0.28	4884
75	64	32536	18220	0.56	4126	29880	16733	0.56	4378	27556	15431	0.56	4547
75	68	34196	15046	0.44	4294	31872	14024	0.44	4505	29548	13001	0.44	4757
75	72	36188	11580	0.32	4463	33864	10836	0.32	4715	31540	10093	0.32	4884
75	75	38180	7636	0.20	4631	35856	7171	0.20	4842	33864	6773	0.20	5052
77	64	32536	19522	0.60	4126	29880	17928	0.60	4378	27556	16534	0.60	4547
77	68	34196	16414	0.48	4294	31872	15299	0.48	4505	29548	14183	0.48	4757
77	72	36188	13028	0.36	4463	33864	12191	0.36	4715	31540	11354	0.36	4884
77	75	38180	9163	0.24	4631	35856	8605	0.24	4842	33864	8127	0.24	5052
79	64	32536	20823	0.64	4126	29880	19123	0.64	4378	27556	17636	0.64	4547
79	68	34196	17782	0.52	4294	31872	16573	0.52	4505	29548	15365	0.52	4757
79	72	36188	14475	0.40	4463	33864	13546	0.40	4715	31540	12616	0.40	4884
79	75	38180	10690	0.28	4631	35856	10040	0.28	4842	33864	9482	0.28	5052
79	79	40172	6428	0.16	4799	37848	6056	0.16	5010	35524	5684	0.16	5220
81	64	32536	22124	0.68	4126	29880	20318	0.68	4378	27556	18738	0.68	4547
81	68	34196	19150	0.56	4294	31872	17848	0.56	4505	29548	16547	0.56	4757
81	72	36188	15923	0.44	4463	33864	14900	0.44	4715	31540	13878	0.44	4884
81	75	38180	12218	0.32	4631	35856	11474	0.32	4842	33864	10836	0.32	5052
81	79	40172	8034	0.20	4799	37848	7570	0.20	5010	35524	7105	0.20	5220
82	64	32536	23426	0.72	4126	29880	21514	0.72	4378	27556	19840	0.72	4547
82	68	34196	20518	0.60	4294	31872	19123	0.60	4505	29548	17729	0.60	4757
82	72	36188	17370	0.48	4463	33864	16255	0.48	4715	31540	15139	0.48	4884
82	75	38180	13745	0.36	4631	35856	12908	0.36	4842	33864	12191	0.36	5052
82	79	40172	9641	0.24	4799	37848	9084	0.24	5010	35524	8526	0.24	5220
84	64	32536	24727	0.76	4126	29880	22709	0.76	4378	27556	20943	0.76	4547
84	68	34196	21885	0.64	4294	31872	20398	0.64	4505	29548	18911	0.64	4757
84	72	36188	18818	0.52	4463	33864	17609	0.52	4715	31540	16401	0.52	4884
84	75	38180	15272	0.40	4631	35856	14342	0.40	4842	33864	13546	0.40	5052
84	79	40172	11248	0.28	4799	37848	10597	0.28	5010	35524	9947	0.28	5220
86	64	32536	26029	0.80	4126	29880	23904	0.80	4378	27556	22045	0.80	4547
86	68	34196	23253	0.68	4294	31872	21673	0.68	4505	29548	20093	0.68	4757
86	72	36188	20265	0.56	4463	33864	18964	0.56	4715	31540	17662	0.56	4884
86	75	38180	16799	0.44	4631	35856	15777	0.44	4842	33864	14900	0.44	5052
86	79	40172	12855	0.32	4799	37848	12111	0.32	5010	35524	11368	0.32	5220
88	64	32536	27330	0.84	4126	29880	25099	0.84	4378	27556	23147	0.84	4547
88	68	34196	24621	0.72	4294	31872	22948	0.72	4505	29548	21275	0.72	4757
88	72	36188	21713	0.60	4463	33864	20318	0.60	4715	31540	18924	0.60	4884
88	75	38180	18326	0.48	4631	35856	17211	0.48	4842	33864	16255	0.48	5052
88	79	40172	14462	0.36	4799	37848	13625	0.36	5010	35524	12789	0.36	5220
90	64	32536	28632	0.88	4126	29880	26294	0.88	4378	27556	24249	0.88	4547
90	68	34196	25989	0.76	4294	31872	24223	0.76	4505	29548	22456	0.76	4757
90	72	36188	23160	0.64	4463	33864	21673	0.64	4715	31540	20186	0.64	4884
90	75	38180	19854	0.52	4631	35856	18645	0.52	4842	33864	17609	0.52	5052
90	79	40172	16069	0.40	4799	37848	15139	0.40	5010	35524	14210	0.40	5220

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUY-D36NA (230V)

CAPACITY (Btu/h): 34600 INPUT: 4240 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	40655	17888	0.44	3392	38925	17127	0.44	3562	37368	16442	0.44	3731	35984	15833	0.44	3901
70	68	42385	13563	0.32	3562	40655	13010	0.32	3774	39444	12622	0.32	3858	38060	12179	0.32	4028
72	64	40655	19514	0.48	3392	38925	18684	0.48	3562	37368	17937	0.48	3731	35984	17272	0.48	3901
72	68	42385	15259	0.36	3562	40655	14636	0.36	3774	39444	14200	0.36	3858	38060	13702	0.36	4028
72	72	44115	10588	0.24	3689	42558	10214	0.24	3922	41520	9965	0.24	4028	39790	9550	0.24	4198
73	64	40655	21141	0.52	3392	38925	20241	0.52	3562	37368	19431	0.52	3731	35984	18712	0.52	3901
73	68	42385	16954	0.40	3562	40655	16262	0.40	3774	39444	15778	0.40	3858	38060	15224	0.40	4028
73	72	44115	12352	0.28	3689	42558	11916	0.28	3922	41520	11626	0.28	4028	39790	11141	0.28	4198
75	64	40655	22767	0.56	3392	38925	21798	0.56	3562	37368	20926	0.56	3731	35984	20151	0.56	3901
75	68	42385	18649	0.44	3562	40655	17888	0.44	3774	39444	17355	0.44	3858	38060	16746	0.44	4028
75	72	44115	14117	0.32	3689	42558	13619	0.32	3922	41520	13286	0.32	4028	39790	12733	0.32	4198
75	75	46364	9273	0.20	3858	44634	8927	0.20	4070	43596	8719	0.20	4198	42212	8442	0.20	4410
77	64	40655	24393	0.60	3392	38925	23355	0.60	3562	37368	22421	0.60	3731	35984	21590	0.60	3901
77	68	42385	20345	0.48	3562	40655	19514	0.48	3774	39444	18933	0.48	3858	38060	18269	0.48	4028
77	72	44115	15881	0.36	3689	42558	15321	0.36	3922	41520	14947	0.36	4028	39790	14324	0.36	4198
77	75	46364	11127	0.24	3858	44634	10712	0.24	4070	43596	10463	0.24	4198	42212	10131	0.24	4410
79	64	40655	26019	0.64	3392	38925	24912	0.64	3562	37368	23916	0.64	3731	35984	23030	0.64	3901
79	68	42385	22040	0.52	3562	40655	21141	0.52	3774	39444	20511	0.52	3858	38060	19791	0.52	4028
79	72	44115	17646	0.40	3689	42558	17023	0.40	3922	41520	16608	0.40	4028	39790	15916	0.40	4198
79	75	46364	12982	0.28	3858	44634	12498	0.28	4070	43596	12207	0.28	4198	42212	11819	0.28	4410
79	79	47748	7640	0.16	4070	46364	7418	0.16	4282	45672	7308	0.16	4410	44288	7086	0.16	4537
81	64	40655	27645	0.68	3392	38925	26469	0.68	3562	37368	25410	0.68	3731	35984	24469	0.68	3901
81	68	42385	23736	0.56	3562	40655	22767	0.56	3774	39444	22089	0.56	3858	38060	21314	0.56	4028
81	72	44115	19411	0.44	3689	42558	18726	0.44	3922	41520	18269	0.44	4028	39790	17508	0.44	4198
81	75	46364	14836	0.32	3858	44634	14283	0.32	4070	43596	13951	0.32	4198	42212	13508	0.32	4410
81	79	47748	9550	0.20	4070	46364	9273	0.20	4282	45672	9134	0.20	4410	44288	8858	0.20	4537
82	64	40655	29272	0.72	3392	38925	28026	0.72	3562	37368	26905	0.72	3731	35984	25908	0.72	3901
82	68	42385	25431	0.60	3562	40655	24393	0.60	3774	39444	23666	0.60	3858	38060	22836	0.60	4028
82	72	44115	21175	0.48	3689	42558	20428	0.48	3922	41520	19930	0.48	4028	39790	19099	0.48	4198
82	75	46364	16691	0.36	3858	44634	16068	0.36	4070	43596	15695	0.36	4198	42212	15196	0.36	4410
82	79	47748	11460	0.24	4070	46364	11127	0.24	4282	45672	10961	0.24	4410	44288	10629	0.24	4537
84	64	40655	30898	0.76	3392	38925	29583	0.76	3562	37368	28400	0.76	3731	35984	27348	0.76	3901
84	68	42385	27126	0.64	3562	40655	26019	0.64	3774	39444	25244	0.64	3858	38060	24358	0.64	4028
84	72	44115	22940	0.52	3689	42558	22130	0.52	3922	41520	21590	0.52	4028	39790	20691	0.52	4198
84	75	46364	18546	0.40	3858	44634	17854	0.40	4070	43596	17438	0.40	4198	42212	16885	0.40	4410
84	79	47748	13369	0.28	4070	46364	12982	0.28	4282	45672	12788	0.28	4410	44288	12401	0.28	4537
86	64	40655	32524	0.80	3392	38925	31140	0.80	3562	37368	29894	0.80	3731	35984	28787	0.80	3901
86	68	42385	28822	0.68	3562	40655	27645	0.68	3774	39444	26822	0.68	3858	38060	25881	0.68	4028
86	72	44115	24704	0.56	3689	42558	23832	0.56	3922	41520	23251	0.56	4028	39790	22282	0.56	4198
86	75	46364	20400	0.44	3858	44634	19639	0.44	4070	43596	19182	0.44	4198	42212	18573	0.44	4410
86	79	47748	15279	0.32	4070	46364	14836	0.32	4282	45672	14615	0.32	4410	44288	14172	0.32	4537
88	64	40655	34150	0.84	3392	38925	32697	0.84	3562	37368	31389	0.84	3731	35984	30227	0.84	3901
88	68	42385	30517	0.72	3562	40655	29272	0.72	3774	39444	28400	0.72	3858	38060	27403	0.72	4028
88	72	44115	26469	0.60	3689	42558	25535	0.60	3922	41520	24912	0.60	4028	39790	23874	0.60	4198
88	75	46364	22255	0.48	3858	44634	21424	0.48	4070	43596	20926	0.48	4198	42212	20262	0.48	4410
88	79	47748	17189	0.36	4070	46364	16691	0.36	4282	45672	16442	0.36	4410	44288	15944	0.36	4537
90	64	40655	35776	0.88	3392	38925	34254	0.88	3562	37368	32884	0.88	3731	35984	31666	0.88	3901
90	68	42385	32213	0.76	3562	40655	30898	0.76	3774	39444	29977	0.76	3858	38060	28926	0.76	4028
90	72	44115	28234	0.64	3689	42558	27237	0.64	3922	41520	26573	0.64	4028	39790	25466	0.64	4198
90	75	46364	24109	0.52	3858	44634	23210	0.52	4070	43596	22670	0.52	4198	42212	21950	0.52	4410
90	79	47748	19099	0.40	4070	46364	18546	0.40	4282	45672	18269	0.40	4410	44288	17715	0.40	4537

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUY-D36NA (230V)

CAPACITY (Btu/h): 34600 INPUT: 4240 (W) SHF: 0.62

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	33908	14920	0.44	4155	31140	13702	0.44	4410	28718	12636	0.44	4579
70	68	35638	11404	0.32	4325	33216	10629	0.32	4537	30794	9854	0.32	4791
72	64	33908	16276	0.48	4155	31140	14947	0.48	4410	28718	13785	0.48	4579
72	68	35638	12830	0.36	4325	33216	11958	0.36	4537	30794	11086	0.36	4791
72	72	37714	9051	0.24	4494	35292	8470	0.24	4749	32870	7889	0.24	4918
73	64	33908	17632	0.52	4155	31140	16193	0.52	4410	28718	14933	0.52	4579
73	68	35638	14255	0.40	4325	33216	13286	0.40	4537	30794	12318	0.40	4791
73	72	37714	10560	0.28	4494	35292	9882	0.28	4749	32870	9204	0.28	4918
75	64	33908	18988	0.56	4155	31140	17438	0.56	4410	28718	16082	0.56	4579
75	68	35638	15681	0.44	4325	33216	14615	0.44	4537	30794	13549	0.44	4791
75	72	37714	12068	0.32	4494	35292	11293	0.32	4749	32870	10518	0.32	4918
75	75	39790	7958	0.20	4664	37368	7474	0.20	4876	35292	7058	0.20	5088
77	64	33908	20345	0.60	4155	31140	18684	0.60	4410	28718	17231	0.60	4579
77	68	35638	17106	0.48	4325	33216	15944	0.48	4537	30794	14781	0.48	4791
77	72	37714	13577	0.36	4494	35292	12705	0.36	4749	32870	11833	0.36	4918
77	75	39790	9550	0.24	4664	37368	8968	0.24	4876	35292	8470	0.24	5088
79	64	33908	21701	0.64	4155	31140	19930	0.64	4410	28718	18380	0.64	4579
79	68	35638	18532	0.52	4325	33216	17272	0.52	4537	30794	16013	0.52	4791
79	72	37714	15086	0.40	4494	35292	14117	0.40	4749	32870	13148	0.40	4918
79	75	39790	11141	0.28	4664	37368	10463	0.28	4876	35292	9882	0.28	5088
79	79	41866	6699	0.16	4834	39444	6311	0.16	5046	37022	5924	0.16	5258
81	64	33908	23057	0.68	4155	31140	21175	0.68	4410	28718	19528	0.68	4579
81	68	35638	19957	0.56	4325	33216	18601	0.56	4537	30794	17245	0.56	4791
81	72	37714	16594	0.44	4494	35292	15528	0.44	4749	32870	14463	0.44	4918
81	75	39790	12733	0.32	4664	37368	11958	0.32	4876	35292	11293	0.32	5088
81	79	41866	8373	0.20	4834	39444	7889	0.20	5046	37022	7404	0.20	5258
82	64	33908	24414	0.72	4155	31140	22421	0.72	4410	28718	20677	0.72	4579
82	68	35638	21383	0.60	4325	33216	19930	0.60	4537	30794	18476	0.60	4791
82	72	37714	18103	0.48	4494	35292	16940	0.48	4749	32870	15778	0.48	4918
82	75	39790	14324	0.36	4664	37368	13452	0.36	4876	35292	12705	0.36	5088
82	79	41866	10048	0.24	4834	39444	9467	0.24	5046	37022	8885	0.24	5258
84	64	33908	25770	0.76	4155	31140	23666	0.76	4410	28718	21826	0.76	4579
84	68	35638	22808	0.64	4325	33216	21258	0.64	4537	30794	19708	0.64	4791
84	72	37714	19611	0.52	4494	35292	18352	0.52	4749	32870	17092	0.52	4918
84	75	39790	15916	0.40	4664	37368	14947	0.40	4876	35292	14117	0.40	5088
84	79	41866	11722	0.28	4834	39444	11044	0.28	5046	37022	10366	0.28	5258
86	64	33908	27126	0.80	4155	31140	24912	0.80	4410	28718	22974	0.80	4579
86	68	35638	24234	0.68	4325	33216	22587	0.68	4537	30794	20940	0.68	4791
86	72	37714	21120	0.56	4494	35292	19764	0.56	4749	32870	18407	0.56	4918
86	75	39790	17508	0.44	4664	37368	16442	0.44	4876	35292	15528	0.44	5088
86	79	41866	13397	0.32	4834	39444	12622	0.32	5046	37022	11847	0.32	5258
88	64	33908	28483	0.84	4155	31140	26158	0.84	4410	28718	24123	0.84	4579
88	68	35638	25659	0.72	4325	33216	23916	0.72	4537	30794	22172	0.72	4791
88	72	37714	22628	0.60	4494	35292	21175	0.60	4749	32870	19722	0.60	4918
88	75	39790	19099	0.48	4664	37368	17937	0.48	4876	35292	16940	0.48	5088
88	79	41866	15072	0.36	4834	39444	14200	0.36	5046	37022	13328	0.36	5258
90	64	33908	29839	0.88	4155	31140	27403	0.88	4410	28718	25272	0.88	4579
90	68	35638	27085	0.76	4325	33216	25244	0.76	4537	30794	23403	0.76	4791
90	72	37714	24137	0.64	4494	35292	22587	0.64	4749	32870	21037	0.64	4918
90	75	39790	20691	0.52	4664	37368	19431	0.52	4876	35292	18352	0.52	5088
90	79	41866	16746	0.40	4834	39444	15778	0.40	5046	37022	14809	0.40	5258

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

**12-3. HYPER HEATING INVERTER
COOLING CAPACITY
MUZ-FH06NA MUZ-FH06NAH**

CAPACITY (Btu/h): 6000 INPUT (W): 315 SHF: 0.96

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	7050	5499	0.78	252	6750	5265	0.78	265	6480	5054	0.78	277	6240	4867	0.78	290
70	68	7350	4851	0.66	265	7050	4653	0.66	280	6840	4514	0.66	287	6600	4356	0.66	299
72	64	7050	5781	0.82	252	6750	5535	0.82	265	6480	5314	0.82	277	6240	5117	0.82	290
72	68	7350	5145	0.70	265	7050	4935	0.70	280	6840	4788	0.70	287	6600	4620	0.70	299
72	72	7650	4437	0.58	274	7380	4280	0.58	291	7200	4176	0.58	299	6900	4002	0.58	312
73	64	7050	6063	0.86	252	6750	5805	0.86	265	6480	5573	0.86	277	6240	5366	0.86	290
73	68	7350	5439	0.74	265	7050	5217	0.74	280	6840	5062	0.74	287	6600	4884	0.74	299
73	72	7650	4743	0.62	274	7380	4576	0.62	291	7200	4464	0.62	299	6900	4278	0.62	312
75	64	7050	6345	0.90	252	6750	6075	0.90	265	6480	5832	0.90	277	6240	5616	0.90	290
75	68	7350	5733	0.78	265	7050	5499	0.78	280	6840	5335	0.78	287	6600	5148	0.78	299
75	72	7650	5049	0.66	274	7380	4871	0.66	291	7200	4752	0.66	299	6900	4554	0.66	312
75	75	8040	4342	0.54	287	7740	4180	0.54	302	7560	4082	0.54	312	7320	3953	0.54	328
77	64	7050	6627	0.94	252	6750	6345	0.94	265	6480	6091	0.94	277	6240	5866	0.94	290
77	68	7350	6027	0.82	265	7050	5781	0.82	280	6840	5609	0.82	287	6600	5412	0.82	299
77	72	7650	5355	0.70	274	7380	5166	0.70	291	7200	5040	0.70	299	6900	4830	0.70	312
77	75	8040	4663	0.58	287	7740	4489	0.58	302	7560	4385	0.58	312	7320	4246	0.58	328
79	64	7050	6909	0.98	252	6750	6615	0.98	265	6480	6350	0.98	277	6240	6115	0.98	290
79	68	7350	6321	0.86	265	7050	6063	0.86	280	6840	5882	0.86	287	6600	5676	0.86	299
79	72	7650	5661	0.74	274	7380	5461	0.74	291	7200	5328	0.74	299	6900	5106	0.74	312
79	75	8040	4985	0.62	287	7740	4799	0.62	302	7560	4687	0.62	312	7320	4538	0.62	328
79	79	8280	4140	0.50	302	8040	4020	0.50	318	7920	3960	0.50	328	7680	3840	0.50	337
81	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
81	68	7350	6615	0.90	265	7050	6345	0.90	280	6840	6156	0.90	287	6600	5940	0.90	299
81	72	7650	5967	0.78	274	7380	5756	0.78	291	7200	5616	0.78	299	6900	5382	0.78	312
81	75	8040	5306	0.66	287	7740	5108	0.66	302	7560	4990	0.66	312	7320	4831	0.66	328
81	79	8280	4471	0.54	302	8040	4342	0.54	318	7920	4277	0.54	328	7680	4147	0.54	337
82	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
82	68	7350	6909	0.94	265	7050	6627	0.94	280	6840	6430	0.94	287	6600	6204	0.94	299
82	72	7650	6273	0.82	274	7380	6052	0.82	291	7200	5904	0.82	299	6900	5658	0.82	312
82	75	8040	5628	0.70	287	7740	5418	0.70	302	7560	5292	0.70	312	7320	5124	0.70	328
82	79	8280	4802	0.58	302	8040	4663	0.58	318	7920	4594	0.58	328	7680	4454	0.58	337
84	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
84	68	7350	7203	0.98	265	7050	6909	0.98	280	6840	6703	0.98	287	6600	6468	0.98	299
84	72	7650	6579	0.86	274	7380	6347	0.86	291	7200	6192	0.86	299	6900	5934	0.86	312
84	75	8040	5950	0.74	287	7740	5728	0.74	302	7560	5594	0.74	312	7320	5417	0.74	328
84	79	8280	5134	0.62	302	8040	4985	0.62	318	7920	4910	0.62	328	7680	4762	0.62	337
86	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
86	68	7350	7350	1.00	265	7050	7050	1.00	280	6840	6840	1.00	287	6600	6600	1.00	299
86	72	7650	6885	0.90	274	7380	6642	0.90	291	7200	6480	0.90	299	6900	6210	0.90	312
86	75	8040	6271	0.78	287	7740	6037	0.78	302	7560	5897	0.78	312	7320	5710	0.78	328
86	79	8280	5465	0.66	302	8040	5306	0.66	318	7920	5227	0.66	328	7680	5069	0.66	337
88	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
88	68	7350	7350	1.00	265	7050	7050	1.00	280	6840	6840	1.00	287	6600	6600	1.00	299
88	72	7650	7191	0.94	274	7380	6937	0.94	291	7200	6768	0.94	299	6900	6486	0.94	312
88	75	8040	6593	0.82	287	7740	6347	0.82	302	7560	6199	0.82	312	7320	6002	0.82	328
88	79	8280	5796	0.70	302	8040	5628	0.70	318	7920	5544	0.70	328	7680	5376	0.70	337
90	64	7050	7050	1.00	252	6750	6750	1.00	265	6480	6480	1.00	277	6240	6240	1.00	290
90	68	7350	7350	1.00	265	7050	7050	1.00	280	6840	6840	1.00	287	6600	6600	1.00	299
90	72	7650	7497	0.98	274	7380	7232	0.98	291	7200	7056	0.98	299	6900	6762	0.98	312
90	75	8040	6914	0.86	287	7740	6656	0.86	302	7560	6502	0.86	312	7320	6295	0.86	328
90	79	8280	6127	0.74	302	8040	5950	0.74	318	7920	5861	0.74	328	7680	5683	0.74	337

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH06NA MUZ-FH06NAH

CAPACITY (Btu/h): 6000 INPUT (W): 315 SHF: 0.96

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	5880	4586	0.78	309	5400	4212	0.78	328	4980	3884	0.78	340
70	68	6180	4079	0.66	321	5760	3802	0.66	337	5340	3524	0.66	356
72	64	5880	4822	0.82	309	5400	4428	0.82	328	4980	4084	0.82	340
72	68	6180	4326	0.70	321	5760	4032	0.70	337	5340	3738	0.70	356
72	72	6540	3793	0.58	334	6120	3550	0.58	353	5700	3306	0.58	365
73	64	5880	5057	0.86	309	5400	4644	0.86	328	4980	4283	0.86	340
73	68	6180	4573	0.74	321	5760	4262	0.74	337	5340	3952	0.74	356
73	72	6540	4055	0.62	334	6120	3794	0.62	353	5700	3534	0.62	365
75	64	5880	5292	0.90	309	5400	4860	0.90	328	4980	4482	0.90	340
75	68	6180	4820	0.78	321	5760	4493	0.78	337	5340	4165	0.78	356
75	72	6540	4316	0.66	334	6120	4039	0.66	353	5700	3762	0.66	365
75	75	6900	3726	0.54	347	6480	3499	0.54	362	6120	3305	0.54	378
77	64	5880	5527	0.94	309	5400	5076	0.94	328	4980	4681	0.94	340
77	68	6180	5068	0.82	321	5760	4723	0.82	337	5340	4379	0.82	356
77	72	6540	4578	0.70	334	6120	4284	0.70	353	5700	3990	0.70	365
77	75	6900	4002	0.58	347	6480	3758	0.58	362	6120	3550	0.58	378
79	64	5880	5762	0.98	309	5400	5292	0.98	328	4980	4880	0.98	340
79	68	6180	5315	0.86	321	5760	4954	0.86	337	5340	4592	0.86	356
79	72	6540	4840	0.74	334	6120	4529	0.74	353	5700	4218	0.74	365
79	75	6900	4278	0.62	347	6480	4018	0.62	362	6120	3794	0.62	378
79	79	7260	3630	0.50	359	6840	3420	0.50	375	6420	3210	0.50	391
81	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
81	68	6180	5562	0.90	321	5760	5184	0.90	337	5340	4806	0.90	356
81	72	6540	5101	0.78	334	6120	4774	0.78	353	5700	4446	0.78	365
81	75	6900	4554	0.66	347	6480	4277	0.66	362	6120	4039	0.66	378
81	79	7260	3920	0.54	359	6840	3694	0.54	375	6420	3467	0.54	391
82	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
82	68	6180	5809	0.94	321	5760	5414	0.94	337	5340	5020	0.94	356
82	72	6540	5363	0.82	334	6120	5018	0.82	353	5700	4674	0.82	365
82	75	6900	4830	0.70	347	6480	4536	0.70	362	6120	4284	0.70	378
82	79	7260	4211	0.58	359	6840	3967	0.58	375	6420	3724	0.58	391
84	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
84	68	6180	6056	0.98	321	5760	5645	0.98	337	5340	5233	0.98	356
84	72	6540	5624	0.86	334	6120	5263	0.86	353	5700	4902	0.86	365
84	75	6900	5106	0.74	347	6480	4795	0.74	362	6120	4529	0.74	378
84	79	7260	4501	0.62	359	6840	4241	0.62	375	6420	3980	0.62	391
86	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
86	68	6180	6180	1.00	321	5760	5760	1.00	337	5340	5340	1.00	356
86	72	6540	5886	0.90	334	6120	5508	0.90	353	5700	5130	0.90	365
86	75	6900	5382	0.78	347	6480	5054	0.78	362	6120	4774	0.78	378
86	79	7260	4792	0.66	359	6840	4514	0.66	375	6420	4237	0.66	391
88	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
88	68	6180	6180	1.00	321	5760	5760	1.00	337	5340	5340	1.00	356
88	72	6540	6148	0.94	334	6120	5753	0.94	353	5700	5358	0.94	365
88	75	6900	5658	0.82	347	6480	5314	0.82	362	6120	5018	0.82	378
88	79	7260	5082	0.70	359	6840	4788	0.70	375	6420	4494	0.70	391
90	64	5880	5880	1.00	309	5400	5400	1.00	328	4980	4980	1.00	340
90	68	6180	6180	1.00	321	5760	5760	1.00	337	5340	5340	1.00	356
90	72	6540	6409	0.98	334	6120	5998	0.98	353	5700	5586	0.98	365
90	75	6900	5934	0.86	347	6480	5573	0.86	362	6120	5263	0.86	378
90	79	7260	5372	0.74	359	6840	5062	0.74	375	6420	4751	0.74	391

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH09NA MUZ-FH09NAH

CAPACITY (Btu/h): 9000 INPUT (W): 560 SHF: 0.92

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	7826	0.74	448	10125	7493	0.74	470	9720	7193	0.74	493	9360	6926	0.74	515
70	68	11025	6836	0.62	470	10575	6557	0.62	498	10260	6361	0.62	510	9900	6138	0.62	532
72	64	10575	8249	0.78	448	10125	7898	0.78	470	9720	7582	0.78	493	9360	7301	0.78	515
72	68	11025	7277	0.66	470	10575	6980	0.66	498	10260	6772	0.66	510	9900	6534	0.66	532
72	72	11475	6197	0.54	487	11070	5978	0.54	518	10800	5832	0.54	532	10350	5589	0.54	554
73	64	10575	8672	0.82	448	10125	8303	0.82	470	9720	7970	0.82	493	9360	7675	0.82	515
73	68	11025	7718	0.70	470	10575	7403	0.70	498	10260	7182	0.70	510	9900	6930	0.70	532
73	72	11475	6656	0.58	487	11070	6421	0.58	518	10800	6264	0.58	532	10350	6003	0.58	554
75	64	10575	9095	0.86	448	10125	8708	0.86	470	9720	8359	0.86	493	9360	8050	0.86	515
75	68	11025	8159	0.74	470	10575	7826	0.74	498	10260	7592	0.74	510	9900	7326	0.74	532
75	72	11475	7115	0.62	487	11070	6863	0.62	518	10800	6696	0.62	532	10350	6417	0.62	554
75	75	12060	6030	0.50	510	11610	5805	0.50	538	11340	5670	0.50	554	10980	5490	0.50	582
77	64	10575	9518	0.90	448	10125	9113	0.90	470	9720	8748	0.90	493	9360	8424	0.90	515
77	68	11025	8600	0.78	470	10575	8249	0.78	498	10260	8003	0.78	510	9900	7722	0.78	532
77	72	11475	7574	0.66	487	11070	7306	0.66	518	10800	7128	0.66	532	10350	6831	0.66	554
77	75	12060	6512	0.54	510	11610	6269	0.54	538	11340	6124	0.54	554	10980	5929	0.54	582
79	64	10575	9941	0.94	448	10125	9518	0.94	470	9720	9137	0.94	493	9360	8798	0.94	515
79	68	11025	9041	0.82	470	10575	8672	0.82	498	10260	8413	0.82	510	9900	8118	0.82	532
79	72	11475	8033	0.70	487	11070	7749	0.70	518	10800	7560	0.70	532	10350	7245	0.70	554
79	75	12060	6995	0.58	510	11610	6734	0.58	538	11340	6577	0.58	554	10980	6368	0.58	582
79	79	12420	5713	0.46	538	12060	5548	0.46	566	11880	5465	0.46	582	11520	5299	0.46	599
81	64	10575	10364	0.98	448	10125	9923	0.98	470	9720	9526	0.98	493	9360	9173	0.98	515
81	68	11025	9482	0.86	470	10575	9095	0.86	498	10260	8824	0.86	510	9900	8514	0.86	532
81	72	11475	8492	0.74	487	11070	8192	0.74	518	10800	7992	0.74	532	10350	7659	0.74	554
81	75	12060	7477	0.62	510	11610	7198	0.62	538	11340	7031	0.62	554	10980	6808	0.62	582
81	79	12420	6210	0.50	538	12060	6030	0.50	566	11880	5940	0.50	582	11520	5760	0.50	599
82	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
82	68	11025	9923	0.90	470	10575	9518	0.90	498	10260	9234	0.90	510	9900	8910	0.90	532
82	72	11475	8951	0.78	487	11070	8635	0.78	518	10800	8424	0.78	532	10350	8073	0.78	554
82	75	12060	7960	0.66	510	11610	7663	0.66	538	11340	7484	0.66	554	10980	7247	0.66	582
82	79	12420	6707	0.54	538	12060	6512	0.54	566	11880	6415	0.54	582	11520	6221	0.54	599
84	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
84	68	11025	10364	0.94	470	10575	9941	0.94	498	10260	9644	0.94	510	9900	9306	0.94	532
84	72	11475	9410	0.82	487	11070	9077	0.82	518	10800	8856	0.82	532	10350	8487	0.82	554
84	75	12060	8442	0.70	510	11610	8127	0.70	538	11340	7938	0.70	554	10980	7686	0.70	582
84	79	12420	7204	0.58	538	12060	6995	0.58	566	11880	6890	0.58	582	11520	6682	0.58	599
86	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
86	68	11025	10805	0.98	470	10575	10364	0.98	498	10260	10055	0.98	510	9900	9702	0.98	532
86	72	11475	9869	0.86	487	11070	9520	0.86	518	10800	9288	0.86	532	10350	8901	0.86	554
86	75	12060	8924	0.74	510	11610	8591	0.74	538	11340	8392	0.74	554	10980	8125	0.74	582
86	79	12420	7700	0.62	538	12060	7477	0.62	566	11880	7366	0.62	582	11520	7142	0.62	599
88	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
88	68	11025	11025	1.00	470	10575	10575	1.00	498	10260	10260	1.00	510	9900	9900	1.00	532
88	72	11475	10328	0.90	487	11070	9963	0.90	518	10800	9720	0.90	532	10350	9315	0.90	554
88	75	12060	9407	0.78	510	11610	9056	0.78	538	11340	8845	0.78	554	10980	8564	0.78	582
88	79	12420	8197	0.66	538	12060	7960	0.66	566	11880	7841	0.66	582	11520	7603	0.66	599
90	64	10575	10575	1.00	448	10125	10125	1.00	470	9720	9720	1.00	493	9360	9360	1.00	515
90	68	11025	11025	1.00	470	10575	10575	1.00	498	10260	10260	1.00	510	9900	9900	1.00	532
90	72	11475	10787	0.94	487	11070	10406	0.94	518	10800	10152	0.94	532	10350	9729	0.94	554
90	75	12060	9889	0.82	510	11610	9520	0.82	538	11340	9299	0.82	554	10980	9004	0.82	582
90	79	12420	8694	0.70	538	12060	8442	0.70	566	11880	8316	0.70	582	11520	8064	0.70	599

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH09NA MUZ-FH09NAH

CAPACITY (Btu/h): 9000 INPUT (W): 560 SHF: 0.92

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	6527	0.74	549	8100	5994	0.74	582	7470	5528	0.74	605
70	68	9270	5747	0.62	571	8640	5357	0.62	599	8010	4966	0.62	633
72	64	8820	6880	0.78	549	8100	6318	0.78	582	7470	5827	0.78	605
72	68	9270	6118	0.66	571	8640	5702	0.66	599	8010	5287	0.66	633
72	72	9810	5297	0.54	594	9180	4957	0.54	627	8550	4617	0.54	650
73	64	8820	7232	0.82	549	8100	6642	0.82	582	7470	6125	0.82	605
73	68	9270	6489	0.70	571	8640	6048	0.70	599	8010	5607	0.70	633
73	72	9810	5690	0.58	594	9180	5324	0.58	627	8550	4959	0.58	650
75	64	8820	7585	0.86	549	8100	6966	0.86	582	7470	6424	0.86	605
75	68	9270	6860	0.74	571	8640	6394	0.74	599	8010	5927	0.74	633
75	72	9810	6082	0.62	594	9180	5692	0.62	627	8550	5301	0.62	650
75	75	10350	5175	0.50	616	9720	4860	0.50	644	9180	4590	0.50	672
77	64	8820	7938	0.90	549	8100	7290	0.90	582	7470	6723	0.9	605
77	68	9270	7231	0.78	571	8640	6739	0.78	599	8010	6248	0.78	633
77	72	9810	6475	0.66	594	9180	6059	0.66	627	8550	5643	0.66	650
77	75	10350	5589	0.54	616	9720	5249	0.54	644	9180	4957	0.54	672
79	64	8820	8291	0.94	549	8100	7614	0.94	582	7470	7022	0.94	605
79	68	9270	7601	0.82	571	8640	7085	0.82	599	8010	6568	0.82	633
79	72	9810	6867	0.70	594	9180	6426	0.70	627	8550	5985	0.70	650
79	75	10350	6003	0.58	616	9720	5638	0.58	644	9180	5324	0.58	672
79	79	10890	5009	0.46	638	10260	4720	0.46	666	9630	4430	0.46	694
81	64	8820	8644	0.98	549	8100	7938	0.98	582	7470	7321	0.98	605
81	68	9270	7972	0.86	571	8640	7430	0.86	599	8010	6889	0.86	633
81	72	9810	7259	0.74	594	9180	6793	0.74	627	8550	6327	0.74	650
81	75	10350	6417	0.62	616	9720	6026	0.62	644	9180	5692	0.62	672
81	79	10890	5445	0.50	638	10260	5130	0.50	666	9630	4815	0.50	694
82	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
82	68	9270	8343	0.90	571	8640	7776	0.90	599	8010	7209	0.90	633
82	72	9810	7652	0.78	594	9180	7160	0.78	627	8550	6669	0.78	650
82	75	10350	6831	0.66	616	9720	6415	0.66	644	9180	6059	0.66	672
82	79	10890	5881	0.54	638	10260	5540	0.54	666	9630	5200	0.54	694
84	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
84	68	9270	8714	0.94	571	8640	8122	0.94	599	8010	7529	0.94	633
84	72	9810	8044	0.82	594	9180	7528	0.82	627	8550	7011	0.82	650
84	75	10350	7245	0.70	616	9720	6804	0.70	644	9180	6426	0.70	672
84	79	10890	6316	0.58	638	10260	5951	0.58	666	9630	5585	0.58	694
86	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
86	68	9270	9085	0.98	571	8640	8467	0.98	599	8010	7850	0.98	633
86	72	9810	8437	0.86	594	9180	7895	0.86	627	8550	7353	0.86	650
86	75	10350	7659	0.74	616	9720	7193	0.74	644	9180	6793	0.74	672
86	79	10890	6752	0.62	638	10260	6361	0.62	666	9630	5971	0.62	694
88	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
88	68	9270	9270	1.00	571	8640	8640	1.00	599	8010	8010	1.00	633
88	72	9810	8829	0.90	594	9180	8262	0.90	627	8550	7695	0.90	650
88	75	10350	8073	0.78	616	9720	7582	0.78	644	9180	7160	0.78	672
88	79	10890	7187	0.66	638	10260	6772	0.66	666	9630	6356	0.66	694
90	64	8820	8820	1.00	549	8100	8100	1.00	582	7470	7470	1.00	605
90	68	9270	9270	1.00	571	8640	8640	1.00	599	8010	8010	1.00	633
90	72	9810	9221	0.94	594	9180	8629	0.94	627	8550	8037	0.94	650
90	75	10350	8487	0.82	616	9720	7970	0.82	644	9180	7528	0.82	672
90	79	10890	7623	0.70	638	10260	7182	0.70	666	9630	6741	0.70	694

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH12NA MUZ-FH12NAH

CAPACITY (Btu/h): 12000 INPUT (W): 870 SHF: 0.83

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	9165	0.65	696	13500	8775	0.65	731	12960	8424	0.65	766	12480	8112	0.65	800
70	68	14700	7791	0.53	731	14100	7473	0.53	774	13680	7250	0.53	792	13200	6996	0.53	827
72	64	14100	9729	0.69	696	13500	9315	0.69	731	12960	8942	0.69	766	12480	8611	0.69	800
72	68	14700	8379	0.57	731	14100	8037	0.57	774	13680	7798	0.57	792	13200	7524	0.57	827
72	72	15300	6885	0.45	757	14760	6642	0.45	805	14400	6480	0.45	827	13800	6210	0.45	861
73	64	14100	10293	0.73	696	13500	9855	0.73	731	12960	9461	0.73	766	12480	9110	0.73	800
73	68	14700	8967	0.61	731	14100	8601	0.61	774	13680	8345	0.61	792	13200	8052	0.61	827
73	72	15300	7497	0.49	757	14760	7232	0.49	805	14400	7056	0.49	827	13800	6762	0.49	861
75	64	14100	10857	0.77	696	13500	10395	0.77	731	12960	9979	0.77	766	12480	9610	0.77	800
75	68	14700	9555	0.65	731	14100	9165	0.65	774	13680	8892	0.65	792	13200	8580	0.65	827
75	72	15300	8109	0.53	757	14760	7823	0.53	805	14400	7632	0.53	827	13800	7314	0.53	861
75	75	16080	6593	0.41	792	15480	6347	0.41	835	15120	6199	0.41	861	14640	6002	0.41	905
77	64	14100	11421	0.81	696	13500	10935	0.81	731	12960	10498	0.81	766	12480	10109	0.81	800
77	68	14700	10143	0.69	731	14100	9729	0.69	774	13680	9439	0.69	792	13200	9108	0.69	827
77	72	15300	8721	0.57	757	14760	8413	0.57	805	14400	8208	0.57	827	13800	7866	0.57	861
77	75	16080	7236	0.45	792	15480	6966	0.45	835	15120	6804	0.45	861	14640	6588	0.45	905
79	64	14100	11985	0.85	696	13500	11475	0.85	731	12960	11016	0.85	766	12480	10608	0.85	800
79	68	14700	10731	0.73	731	14100	10293	0.73	774	13680	9986	0.73	792	13200	9636	0.73	827
79	72	15300	9333	0.61	757	14760	9004	0.61	805	14400	8784	0.61	827	13800	8418	0.61	861
79	75	16080	7879	0.49	792	15480	7585	0.49	835	15120	7409	0.49	861	14640	7174	0.49	905
79	79	16560	6127	0.37	835	16080	5950	0.37	879	15840	5861	0.37	905	15360	5683	0.37	931
81	64	14100	12549	0.89	696	13500	12015	0.89	731	12960	11534	0.89	766	12480	11107	0.89	800
81	68	14700	11319	0.77	731	14100	10857	0.77	774	13680	10534	0.77	792	13200	10164	0.77	827
81	72	15300	9945	0.65	757	14760	9594	0.65	805	14400	9360	0.65	827	13800	8970	0.65	861
81	75	16080	8522	0.53	792	15480	8204	0.53	835	15120	8014	0.53	861	14640	7759	0.53	905
81	79	16560	6790	0.41	835	16080	6593	0.41	879	15840	6494	0.41	905	15360	6298	0.41	931
82	64	14100	13113	0.93	696	13500	12555	0.93	731	12960	12053	0.93	766	12480	11606	0.93	800
82	68	14700	11907	0.81	731	14100	11421	0.81	774	13680	11081	0.81	792	13200	10692	0.81	827
82	72	15300	10557	0.69	757	14760	10184	0.69	805	14400	9936	0.69	827	13800	9522	0.69	861
82	75	16080	9166	0.57	792	15480	8824	0.57	835	15120	8618	0.57	861	14640	8345	0.57	905
82	79	16560	7452	0.45	835	16080	7236	0.45	879	15840	7128	0.45	905	15360	6912	0.45	931
84	64	14100	13677	0.97	696	13500	13095	0.97	731	12960	12571	0.97	766	12480	12106	0.97	800
84	68	14700	12495	0.85	731	14100	11985	0.85	774	13680	11628	0.85	792	13200	11220	0.85	827
84	72	15300	11169	0.73	757	14760	10775	0.73	805	14400	10512	0.73	827	13800	10074	0.73	861
84	75	16080	9809	0.61	792	15480	9443	0.61	835	15120	9223	0.61	861	14640	8930	0.61	905
84	79	16560	8114	0.49	835	16080	7879	0.49	879	15840	7762	0.49	905	15360	7526	0.49	931
86	64	14100	14100	1.00	696	13500	13500	1.00	731	12960	12960	1.00	766	12480	12480	1.00	800
86	68	14700	13083	0.89	731	14100	12549	0.89	774	13680	12175	0.89	792	13200	11748	0.89	827
86	72	15300	11781	0.77	757	14760	11365	0.77	805	14400	11088	0.77	827	13800	10626	0.77	861
86	75	16080	10452	0.65	792	15480	10062	0.65	835	15120	9828	0.65	861	14640	9516	0.65	905
86	79	16560	8777	0.53	835	16080	8522	0.53	879	15840	8395	0.53	905	15360	8141	0.53	931
88	64	14100	14100	1.00	696	13500	13500	1.00	731	12960	12960	1.00	766	12480	12480	1.00	800
88	68	14700	13671	0.93	731	14100	13113	0.93	774	13680	12722	0.93	792	13200	12276	0.93	827
88	72	15300	12393	0.81	757	14760	11956	0.81	805	14400	11664	0.81	827	13800	11178	0.81	861
88	75	16080	11095	0.69	792	15480	10681	0.69	835	15120	10433	0.69	861	14640	10102	0.69	905
88	79	16560	9439	0.57	835	16080	9166	0.57	879	15840	9029	0.57	905	15360	8755	0.57	931
90	64	14100	14100	1.00	696	13500	13500	1.00	731	12960	12960	1.00	766	12480	12480	1.00	800
90	68	14700	14259	0.97	731	14100	13677	0.97	774	13680	13270	0.97	792	13200	12804	0.97	827
90	72	15300	13005	0.85	757	14760	12546	0.85	805	14400	12240	0.85	827	13800	11730	0.85	861
90	75	16080	11738	0.73	792	15480	11300	0.73	835	15120	11038	0.73	861	14640	10687	0.73	905
90	79	16560	10102	0.61	835	16080	9809	0.61	879	15840	9662	0.61	905	15360	9370	0.61	931

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH12NA MUZ-FH12NAH

CAPACITY (Btu/h): 12000 INPUT (W): 870 SHF: 0.83

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	7644	0.65	853	10800	7020	0.65	905	9960	6474	0.65	940
70	68	12360	6551	0.53	887	11520	6106	0.53	931	10680	5660	0.53	983
72	64	11760	8114	0.69	853	10800	7452	0.69	905	9960	6872	0.69	940
72	68	12360	7045	0.57	887	11520	6566	0.57	931	10680	6088	0.57	983
72	72	13080	5886	0.45	922	12240	5508	0.45	974	11400	5130	0.45	1009
73	64	11760	8585	0.73	853	10800	7884	0.73	905	9960	7271	0.73	940
73	68	12360	7540	0.61	887	11520	7027	0.61	931	10680	6515	0.61	983
73	72	13080	6409	0.49	922	12240	5998	0.49	974	11400	5586	0.49	1009
75	64	11760	9055	0.77	853	10800	8316	0.77	905	9960	7669	0.77	940
75	68	12360	8034	0.65	887	11520	7488	0.65	931	10680	6942	0.65	983
75	72	13080	6932	0.53	922	12240	6487	0.53	974	11400	6042	0.53	1009
75	75	13800	5658	0.41	957	12960	5314	0.41	1001	12240	5018	0.41	1044
77	64	11760	9526	0.81	853	10800	8748	0.81	905	9960	8068	0.81	940
77	68	12360	8528	0.69	887	11520	7949	0.69	931	10680	7369	0.69	983
77	72	13080	7456	0.57	922	12240	6977	0.57	974	11400	6498	0.57	1009
77	75	13800	6210	0.45	957	12960	5832	0.45	1001	12240	5508	0.45	1044
79	64	11760	9996	0.85	853	10800	9180	0.85	905	9960	8466	0.85	940
79	68	12360	9023	0.73	887	11520	8410	0.73	931	10680	7796	0.73	983
79	72	13080	7979	0.61	922	12240	7466	0.61	974	11400	6954	0.61	1009
79	75	13800	6762	0.49	957	12960	6350	0.49	1001	12240	5998	0.49	1044
79	79	14520	5372	0.37	992	13680	5062	0.37	1035	12840	4751	0.37	1079
81	64	11760	10466	0.89	853	10800	9612	0.89	905	9960	8864	0.89	940
81	68	12360	9517	0.77	887	11520	8870	0.77	931	10680	8224	0.77	983
81	72	13080	8502	0.65	922	12240	7956	0.65	974	11400	7410	0.65	1009
81	75	13800	7314	0.53	957	12960	6869	0.53	1001	12240	6487	0.53	1044
81	79	14520	5953	0.41	992	13680	5609	0.41	1035	12840	5264	0.41	1079
82	64	11760	10937	0.93	853	10800	10044	0.93	905	9960	9263	0.93	940
82	68	12360	10012	0.81	887	11520	9331	0.81	931	10680	8651	0.81	983
82	72	13080	9025	0.69	922	12240	8446	0.69	974	11400	7866	0.69	1009
82	75	13800	7866	0.57	957	12960	7387	0.57	1001	12240	6977	0.57	1044
82	79	14520	6534	0.45	992	13680	6156	0.45	1035	12840	5778	0.45	1079
84	64	11760	11407	0.97	853	10800	10476	0.97	905	9960	9661	0.97	940
84	68	12360	10506	0.85	887	11520	9792	0.85	931	10680	9078	0.85	983
84	72	13080	9548	0.73	922	12240	8935	0.73	974	11400	8322	0.73	1009
84	75	13800	8418	0.61	957	12960	7906	0.61	1001	12240	7466	0.61	1044
84	79	14520	7115	0.49	992	13680	6703	0.49	1035	12840	6292	0.49	1079
86	64	11760	11760	1.00	853	10800	10800	1.00	905	9960	9960	1.00	940
86	68	12360	11000	0.89	887	11520	10253	0.89	931	10680	9505	0.89	983
86	72	13080	10072	0.77	922	12240	9425	0.77	974	11400	8778	0.77	1009
86	75	13800	8970	0.65	957	12960	8424	0.65	1001	12240	7956	0.65	1044
86	79	14520	7696	0.53	992	13680	7250	0.53	1035	12840	6805	0.53	1079
88	64	11760	11760	1.00	853	10800	10800	1.00	905	9960	9960	1.00	940
88	68	12360	11495	0.93	887	11520	10714	0.93	931	10680	9932	0.93	983
88	72	13080	10595	0.81	922	12240	9914	0.81	974	11400	9234	0.81	1009
88	75	13800	9522	0.69	957	12960	8942	0.69	1001	12240	8446	0.69	1044
88	79	14520	8276	0.57	992	13680	7798	0.57	1035	12840	7319	0.57	1079
90	64	11760	11760	1.00	853	10800	10800	1.00	905	9960	9960	1.00	940
90	68	12360	11989	0.97	887	11520	11174	0.97	931	10680	10360	0.97	983
90	72	13080	11118	0.85	922	12240	10404	0.85	974	11400	9690	0.85	1009
90	75	13800	10074	0.73	957	12960	9461	0.73	1001	12240	8935	0.73	1044
90	79	14520	8857	0.61	992	13680	8345	0.61	1035	12840	7832	0.61	1079

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH15NA MUZ-FH15NAH

CAPACITY (Btu/h): 15000 INPUT (W): 1200 SHF: 0.70

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	17625	9165	0.52	960	16875	8775	0.52	1008	16200	8424	0.52	1056	15600	8112	0.52	1104
70	68	18375	7350	0.40	1008	17625	7050	0.40	1068	17100	6840	0.40	1092	16500	6600	0.40	1140
72	64	17625	9870	0.56	960	16875	9450	0.56	1008	16200	9072	0.56	1056	15600	8736	0.56	1104
72	68	18375	8085	0.44	1008	17625	7755	0.44	1068	17100	7524	0.44	1092	16500	7260	0.44	1140
72	72	19125	6120	0.32	1044	18450	5904	0.32	1110	18000	5760	0.32	1140	17250	5520	0.32	1188
73	64	17625	10575	0.60	960	16875	10125	0.60	1008	16200	9720	0.60	1056	15600	9360	0.60	1104
73	68	18375	8820	0.48	1008	17625	8460	0.48	1068	17100	8208	0.48	1092	16500	7920	0.48	1140
73	72	19125	6885	0.36	1044	18450	6642	0.36	1110	18000	6480	0.36	1140	17250	6210	0.36	1188
75	64	17625	11280	0.64	960	16875	10800	0.64	1008	16200	10368	0.64	1056	15600	9984	0.64	1104
75	68	18375	9555	0.52	1008	17625	9165	0.52	1068	17100	8892	0.52	1092	16500	8580	0.52	1140
75	72	19125	7650	0.40	1044	18450	7380	0.40	1110	18000	7200	0.40	1140	17250	6900	0.40	1188
75	75	20100	5628	0.28	1092	19350	5418	0.28	1152	18900	5292	0.28	1188	18300	5124	0.28	1248
77	64	17625	11985	0.68	960	16875	11475	0.68	1008	16200	11016	0.68	1056	15600	10608	0.68	1104
77	68	18375	10290	0.56	1008	17625	9870	0.56	1068	17100	9576	0.56	1092	16500	9240	0.56	1140
77	72	19125	8415	0.44	1044	18450	8118	0.44	1110	18000	7920	0.44	1140	17250	7590	0.44	1188
77	75	20100	6432	0.32	1092	19350	6192	0.32	1152	18900	6048	0.32	1188	18300	5856	0.32	1248
79	64	17625	12690	0.72	960	16875	12150	0.72	1008	16200	11664	0.72	1056	15600	11232	0.72	1104
79	68	18375	11025	0.60	1008	17625	10575	0.60	1068	17100	10260	0.60	1092	16500	9900	0.60	1140
79	72	19125	9180	0.48	1044	18450	8856	0.48	1110	18000	8640	0.48	1140	17250	8280	0.48	1188
79	75	20100	7236	0.36	1092	19350	6966	0.36	1152	18900	6804	0.36	1188	18300	6588	0.36	1248
79	79	20700	4968	0.24	1152	20100	4824	0.24	1212	19800	4752	0.24	1248	19200	4608	0.24	1284
81	64	17625	13395	0.76	960	16875	12825	0.76	1008	16200	12312	0.76	1056	15600	11856	0.76	1104
81	68	18375	11760	0.64	1008	17625	11280	0.64	1068	17100	10944	0.64	1092	16500	10560	0.64	1140
81	72	19125	9945	0.52	1044	18450	9594	0.52	1110	18000	9360	0.52	1140	17250	8970	0.52	1188
81	75	20100	8040	0.40	1092	19350	7740	0.40	1152	18900	7560	0.40	1188	18300	7320	0.40	1248
81	79	20700	5796	0.28	1152	20100	5628	0.28	1212	19800	5544	0.28	1248	19200	5376	0.28	1284
82	64	17625	14100	0.80	960	16875	13500	0.80	1008	16200	12960	0.80	1056	15600	12480	0.80	1104
82	68	18375	12495	0.68	1008	17625	11985	0.68	1068	17100	11628	0.68	1092	16500	11220	0.68	1140
82	72	19125	10710	0.56	1044	18450	10332	0.56	1110	18000	10080	0.56	1140	17250	9660	0.56	1188
82	75	20100	8844	0.44	1092	19350	8514	0.44	1152	18900	8316	0.44	1188	18300	8052	0.44	1248
82	79	20700	6624	0.32	1152	20100	6432	0.32	1212	19800	6336	0.32	1248	19200	6144	0.32	1284
84	64	17625	14805	0.84	960	16875	14175	0.84	1008	16200	13608	0.84	1056	15600	13104	0.84	1104
84	68	18375	13230	0.72	1008	17625	12690	0.72	1068	17100	12312	0.72	1092	16500	11880	0.72	1140
84	72	19125	11475	0.60	1044	18450	11070	0.60	1110	18000	10800	0.60	1140	17250	10350	0.60	1188
84	75	20100	9648	0.48	1092	19350	9288	0.48	1152	18900	9072	0.48	1188	18300	8784	0.48	1248
84	79	20700	7452	0.36	1152	20100	7236	0.36	1212	19800	7128	0.36	1248	19200	6912	0.36	1284
86	64	17625	15510	0.88	960	16875	14850	0.88	1008	16200	14256	0.88	1056	15600	13728	0.88	1104
86	68	18375	13965	0.76	1008	17625	13395	0.76	1068	17100	12996	0.76	1092	16500	12540	0.76	1140
86	72	19125	12240	0.64	1044	18450	11808	0.64	1110	18000	11520	0.64	1140	17250	11040	0.64	1188
86	75	20100	10452	0.52	1092	19350	10062	0.52	1152	18900	9828	0.52	1188	18300	9516	0.52	1248
86	79	20700	8280	0.40	1152	20100	8040	0.40	1212	19800	7920	0.40	1248	19200	7680	0.40	1284
88	64	17625	16215	0.92	960	16875	15525	0.92	1008	16200	14904	0.92	1056	15600	14352	0.92	1104
88	68	18375	14700	0.80	1008	17625	14100	0.80	1068	17100	13680	0.80	1092	16500	13200	0.80	1140
88	72	19125	13005	0.68	1044	18450	12546	0.68	1110	18000	12240	0.68	1140	17250	11730	0.68	1188
88	75	20100	11256	0.56	1092	19350	10836	0.56	1152	18900	10584	0.56	1188	18300	10248	0.56	1248
88	79	20700	9108	0.44	1152	20100	8844	0.44	1212	19800	8712	0.44	1248	19200	8448	0.44	1284
90	64	17625	16920	0.96	960	16875	16200	0.96	1008	16200	15552	0.96	1056	15600	14976	0.96	1104
90	68	18375	15435	0.84	1008	17625	14805	0.84	1068	17100	14364	0.84	1092	16500	13860	0.84	1140
90	72	19125	13770	0.72	1044	18450	13284	0.72	1110	18000	12960	0.72	1140	17250	12420	0.72	1188
90	75	20100	12060	0.60	1092	19350	11610	0.60	1152	18900	11340	0.60	1188	18300	10980	0.60	1248
90	79	20700	9936	0.48	1152	20100	9648	0.48	1212	19800	9504	0.48	1248	19200	9216	0.48	1284

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH15NA MUZ-FH15NAH

CAPACITY (Btu/h): 15000 INPUT (W): 1200 SHF: 0.70

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14700	7644	0.52	1176	13500	7020	0.52	1248	12450	6474	0.52	1296
70	68	15450	6180	0.40	1224	14400	5760	0.40	1284	13350	5340	0.40	1356
72	64	14700	8232	0.56	1176	13500	7560	0.56	1248	12450	6972	0.56	1296
72	68	15450	6798	0.44	1224	14400	6336	0.44	1284	13350	5874	0.44	1356
72	72	16350	5232	0.32	1272	15300	4896	0.32	1344	14250	4560	0.32	1392
73	64	14700	8820	0.60	1176	13500	8100	0.60	1248	12450	7470	0.60	1296
73	68	15450	7416	0.48	1224	14400	6912	0.48	1284	13350	6408	0.48	1356
73	72	16350	5886	0.36	1272	15300	5508	0.36	1344	14250	5130	0.36	1392
75	64	14700	9408	0.64	1176	13500	8640	0.64	1248	12450	7968	0.64	1296
75	68	15450	8034	0.52	1224	14400	7488	0.52	1284	13350	6942	0.52	1356
75	72	16350	6540	0.40	1272	15300	6120	0.40	1344	14250	5700	0.40	1392
75	75	17250	4830	0.28	1320	16200	4536	0.28	1380	15300	4284	0.28	1440
77	64	14700	9996	0.68	1176	13500	9180	0.68	1248	12450	8466	0.68	1296
77	68	15450	8652	0.56	1224	14400	8064	0.56	1284	13350	7476	0.56	1356
77	72	16350	7194	0.44	1272	15300	6732	0.44	1344	14250	6270	0.44	1392
77	75	17250	5520	0.32	1320	16200	5184	0.32	1380	15300	4896	0.32	1440
79	64	14700	10584	0.72	1176	13500	9720	0.72	1248	12450	8964	0.72	1296
79	68	15450	9270	0.60	1224	14400	8640	0.60	1284	13350	8010	0.60	1356
79	72	16350	7848	0.48	1272	15300	7344	0.48	1344	14250	6840	0.48	1392
79	75	17250	6210	0.36	1320	16200	5832	0.36	1380	15300	5508	0.36	1440
79	79	18150	4356	0.24	1368	17100	4104	0.24	1428	16050	3852	0.24	1488
81	64	14700	11172	0.76	1176	13500	10260	0.76	1248	12450	9462	0.76	1296
81	68	15450	9888	0.64	1224	14400	9216	0.64	1284	13350	8544	0.64	1356
81	72	16350	8502	0.52	1272	15300	7956	0.52	1344	14250	7410	0.52	1392
81	75	17250	6900	0.40	1320	16200	6480	0.40	1380	15300	6120	0.40	1440
81	79	18150	5082	0.28	1368	17100	4788	0.28	1428	16050	4494	0.28	1488
82	64	14700	11760	0.80	1176	13500	10800	0.80	1248	12450	9960	0.80	1296
82	68	15450	10506	0.68	1224	14400	9792	0.68	1284	13350	9078	0.68	1356
82	72	16350	9156	0.56	1272	15300	8568	0.56	1344	14250	7980	0.56	1392
82	75	17250	7590	0.44	1320	16200	7128	0.44	1380	15300	6732	0.44	1440
82	79	18150	5808	0.32	1368	17100	5472	0.32	1428	16050	5136	0.32	1488
84	64	14700	12348	0.84	1176	13500	11340	0.84	1248	12450	10458	0.84	1296
84	68	15450	11124	0.72	1224	14400	10368	0.72	1284	13350	9612	0.72	1356
84	72	16350	9810	0.60	1272	15300	9180	0.60	1344	14250	8550	0.60	1392
84	75	17250	8280	0.48	1320	16200	7776	0.48	1380	15300	7344	0.48	1440
84	79	18150	6534	0.36	1368	17100	6156	0.36	1428	16050	5778	0.36	1488
86	64	14700	12936	0.88	1176	13500	11880	0.88	1248	12450	10956	0.88	1296
86	68	15450	11742	0.76	1224	14400	10944	0.76	1284	13350	10146	0.76	1356
86	72	16350	10464	0.64	1272	15300	9792	0.64	1344	14250	9120	0.64	1392
86	75	17250	8970	0.52	1320	16200	8424	0.52	1380	15300	7956	0.52	1440
86	79	18150	7260	0.40	1368	17100	6840	0.40	1428	16050	6420	0.40	1488
88	64	14700	13524	0.92	1176	13500	12420	0.92	1248	12450	11454	0.92	1296
88	68	15450	12360	0.80	1224	14400	11520	0.80	1284	13350	10680	0.80	1356
88	72	16350	11118	0.68	1272	15300	10404	0.68	1344	14250	9690	0.68	1392
88	75	17250	9660	0.56	1320	16200	9072	0.56	1380	15300	8568	0.56	1440
88	79	18150	7986	0.44	1368	17100	7524	0.44	1428	16050	7062	0.44	1488
90	64	14700	14112	0.96	1176	13500	12960	0.96	1248	12450	11952	0.96	1296
90	68	15450	12978	0.84	1224	14400	12096	0.84	1284	13350	11214	0.84	1356
90	72	16350	11772	0.72	1272	15300	11016	0.72	1344	14250	10260	0.72	1392
90	75	17250	10350	0.60	1320	16200	9720	0.60	1380	15300	9180	0.60	1440
90	79	18150	8712	0.48	1368	17100	8208	0.48	1428	16050	7704	0.48	1488

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH18NA2 MUZ-FH18NAH2

CAPACITY (Btu/h): 17200 INPUT (W): 1375 SHF: 0.69

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	20210	10307	0.51	1100	19350	9869	0.51	1155	18576	9474	0.51	1210	17888	9123	0.51	1265
70	68	21070	8217	0.39	1155	20210	7882	0.39	1224	19608	7647	0.39	1251	18920	7379	0.39	1306
72	64	20210	11116	0.55	1100	19350	10643	0.55	1155	18576	10217	0.55	1210	17888	9838	0.55	1265
72	68	21070	9060	0.43	1155	20210	8690	0.43	1224	19608	8431	0.43	1251	18920	8136	0.43	1306
72	72	21930	6798	0.31	1196	21156	6558	0.31	1272	20640	6398	0.31	1306	19780	6132	0.31	1361
73	64	20210	11924	0.59	1100	19350	11417	0.59	1155	18576	10960	0.59	1210	17888	10554	0.59	1265
73	68	21070	9903	0.47	1155	20210	9499	0.47	1224	19608	9216	0.47	1251	18920	8892	0.47	1306
73	72	21930	7676	0.35	1196	21156	7405	0.35	1272	20640	7224	0.35	1306	19780	6923	0.35	1361
75	64	20210	12732	0.63	1100	19350	12191	0.63	1155	18576	11703	0.63	1210	17888	11269	0.63	1265
75	68	21070	10746	0.51	1155	20210	10307	0.51	1224	19608	10000	0.51	1251	18920	9649	0.51	1306
75	72	21930	8553	0.39	1196	21156	8251	0.39	1272	20640	8050	0.39	1306	19780	7714	0.39	1361
75	75	23048	6223	0.27	1251	22188	5991	0.27	1320	21672	5851	0.27	1361	20984	5666	0.27	1430
77	64	20210	13541	0.67	1100	19350	12965	0.67	1155	18576	12446	0.67	1210	17888	11985	0.67	1265
77	68	21070	11589	0.55	1155	20210	11116	0.55	1224	19608	10784	0.55	1251	18920	10406	0.55	1306
77	72	21930	9430	0.43	1196	21156	9097	0.43	1272	20640	8875	0.43	1306	19780	8505	0.43	1361
77	75	23048	7145	0.31	1251	22188	6878	0.31	1320	21672	6718	0.31	1361	20984	6505	0.31	1430
79	64	20210	14349	0.71	1100	19350	13739	0.71	1155	18576	13189	0.71	1210	17888	12700	0.71	1265
79	68	21070	12431	0.59	1155	20210	11924	0.59	1224	19608	11569	0.59	1251	18920	11163	0.59	1306
79	72	21930	10307	0.47	1196	21156	9943	0.47	1272	20640	9701	0.47	1306	19780	9297	0.47	1361
79	75	23048	8067	0.35	1251	22188	7766	0.35	1320	21672	7585	0.35	1361	20984	7344	0.35	1430
79	79	23736	5459	0.23	1320	23048	5301	0.23	1389	22704	5222	0.23	1430	22016	5064	0.23	1471
81	64	20210	15158	0.75	1100	19350	14513	0.75	1155	18576	13932	0.75	1210	17888	13416	0.75	1265
81	68	21070	13274	0.63	1155	20210	12732	0.63	1224	19608	12353	0.63	1251	18920	11920	0.63	1306
81	72	21930	11184	0.51	1196	21156	10790	0.51	1272	20640	10526	0.51	1306	19780	10088	0.51	1361
81	75	23048	8989	0.39	1251	22188	8653	0.39	1320	21672	8452	0.39	1361	20984	8184	0.39	1430
81	79	23736	6409	0.27	1320	23048	6223	0.27	1389	22704	6130	0.27	1430	22016	5944	0.27	1471
82	64	20210	15966	0.79	1100	19350	15287	0.79	1155	18576	14675	0.79	1210	17888	14132	0.79	1265
82	68	21070	14117	0.67	1155	20210	13541	0.67	1224	19608	13137	0.67	1251	18920	12676	0.67	1306
82	72	21930	12062	0.55	1196	21156	11636	0.55	1272	20640	11352	0.55	1306	19780	10879	0.55	1361
82	75	23048	9911	0.43	1251	22188	9541	0.43	1320	21672	9319	0.43	1361	20984	9023	0.43	1430
82	79	23736	7358	0.31	1320	23048	7145	0.31	1389	22704	7038	0.31	1430	22016	6825	0.31	1471
84	64	20210	16774	0.83	1100	19350	16061	0.83	1155	18576	15418	0.83	1210	17888	14847	0.83	1265
84	68	21070	14960	0.71	1155	20210	14349	0.71	1224	19608	13922	0.71	1251	18920	13433	0.71	1306
84	72	21930	12939	0.59	1196	21156	12482	0.59	1272	20640	12178	0.59	1306	19780	11670	0.59	1361
84	75	23048	10833	0.47	1251	22188	10428	0.47	1320	21672	10186	0.47	1361	20984	9862	0.47	1430
84	79	23736	8308	0.35	1320	23048	8067	0.35	1389	22704	7946	0.35	1430	22016	7706	0.35	1471
86	64	20210	17583	0.87	1100	19350	16835	0.87	1155	18576	16161	0.87	1210	17888	15563	0.87	1265
86	68	21070	15803	0.75	1155	20210	15158	0.75	1224	19608	14706	0.75	1251	18920	14190	0.75	1306
86	72	21930	13816	0.63	1196	21156	13328	0.63	1272	20640	13003	0.63	1306	19780	12461	0.63	1361
86	75	23048	11754	0.51	1251	22188	11316	0.51	1320	21672	11053	0.51	1361	20984	10702	0.51	1430
86	79	23736	9257	0.39	1320	23048	8989	0.39	1389	22704	8855	0.39	1430	22016	8586	0.39	1471
88	64	20210	18391	0.91	1100	19350	17609	0.91	1155	18576	16904	0.91	1210	17888	16278	0.91	1265
88	68	21070	16645	0.79	1155	20210	15966	0.79	1224	19608	15490	0.79	1251	18920	14947	0.79	1306
88	72	21930	14693	0.67	1196	21156	14175	0.67	1272	20640	13829	0.67	1306	19780	13253	0.67	1361
88	75	23048	12676	0.55	1251	22188	12203	0.55	1320	21672	11920	0.55	1361	20984	11541	0.55	1430
88	79	23736	10206	0.43	1320	23048	9911	0.43	1389	22704	9763	0.43	1430	22016	9467	0.43	1471
90	64	20210	19200	0.95	1100	19350	18383	0.95	1155	18576	17647	0.95	1210	17888	16994	0.95	1265
90	68	21070	17488	0.83	1155	20210	16774	0.83	1224	19608	16275	0.83	1251	18920	15704	0.83	1306
90	72	21930	15570	0.71	1196	21156	15021	0.71	1272	20640	14654	0.71	1306	19780	14044	0.71	1361
90	75	23048	13598	0.59	1251	22188	13091	0.59	1320	21672	12786	0.59	1361	20984	12381	0.59	1430
90	79	23736	11156	0.47	1320	23048	10833	0.47	1389	22704	10671	0.47	1430	22016	10348	0.47	1471

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FH18NA2 MUZ-FH18NAH2

CAPACITY (Btu/h): 17200 INPUT (W): 1375 SHF: 0.69

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16856	8597	0.51	1348	15480	7895	0.51	1430	14276	7281	0.51	1485
70	68	17716	6909	0.39	1403	16512	6440	0.39	1471	15308	5970	0.39	1554
72	64	16856	9271	0.55	1348	15480	8514	0.55	1430	14276	7852	0.55	1485
72	68	17716	7618	0.43	1403	16512	7100	0.43	1471	15308	6582	0.43	1554
72	72	18748	5812	0.31	1458	17544	5439	0.31	1540	16340	5065	0.31	1595
73	64	16856	9945	0.59	1348	15480	9133	0.59	1430	14276	8423	0.59	1485
73	68	17716	8327	0.47	1403	16512	7761	0.47	1471	15308	7195	0.47	1554
73	72	18748	6562	0.35	1458	17544	6140	0.35	1540	16340	5719	0.35	1595
75	64	16856	10619	0.63	1348	15480	9752	0.63	1430	14276	8994	0.63	1485
75	68	17716	9035	0.51	1403	16512	8421	0.51	1471	15308	7807	0.51	1554
75	72	18748	7312	0.39	1458	17544	6842	0.39	1540	16340	6373	0.39	1595
75	75	19780	5341	0.27	1513	18576	5016	0.27	1581	17544	4737	0.27	1650
77	64	16856	11294	0.67	1348	15480	10372	0.67	1430	14276	9565	0.67	1485
77	68	17716	9744	0.55	1403	16512	9082	0.55	1471	15308	8419	0.55	1554
77	72	18748	8062	0.43	1458	17544	7544	0.43	1540	16340	7026	0.43	1595
77	75	19780	6132	0.31	1513	18576	5759	0.31	1581	17544	5439	0.31	1650
79	64	16856	11968	0.71	1348	15480	10991	0.71	1430	14276	10136	0.71	1485
79	68	17716	10452	0.59	1403	16512	9742	0.59	1471	15308	9032	0.59	1554
79	72	18748	8812	0.47	1458	17544	8246	0.47	1540	16340	7680	0.47	1595
79	75	19780	6923	0.35	1513	18576	6502	0.35	1581	17544	6140	0.35	1650
79	79	20812	4787	0.23	1568	19608	4510	0.23	1636	18404	4233	0.23	1705
81	64	16856	12642	0.75	1348	15480	11610	0.75	1430	14276	10707	0.75	1485
81	68	17716	11161	0.63	1403	16512	10403	0.63	1471	15308	9644	0.63	1554
81	72	18748	9561	0.51	1458	17544	8947	0.51	1540	16340	8333	0.51	1595
81	75	19780	7714	0.39	1513	18576	7245	0.39	1581	17544	6842	0.39	1650
81	79	20812	5619	0.27	1568	19608	5294	0.27	1636	18404	4969	0.27	1705
82	64	16856	13316	0.79	1348	15480	12229	0.79	1430	14276	11278	0.79	1485
82	68	17716	11870	0.67	1403	16512	11063	0.67	1471	15308	10256	0.67	1554
82	72	18748	10311	0.55	1458	17544	9649	0.55	1540	16340	8987	0.55	1595
82	75	19780	8505	0.43	1513	18576	7988	0.43	1581	17544	7544	0.43	1650
82	79	20812	6452	0.31	1568	19608	6078	0.31	1636	18404	5705	0.31	1705
84	64	16856	13990	0.83	1348	15480	12848	0.83	1430	14276	11849	0.83	1485
84	68	17716	12578	0.71	1403	16512	11724	0.71	1471	15308	10869	0.71	1554
84	72	18748	11061	0.59	1458	17544	10351	0.59	1540	16340	9641	0.59	1595
84	75	19780	9297	0.47	1513	18576	8731	0.47	1581	17544	8246	0.47	1650
84	79	20812	7284	0.35	1568	19608	6863	0.35	1636	18404	6441	0.35	1705
86	64	16856	14665	0.87	1348	15480	13468	0.87	1430	14276	12420	0.87	1485
86	68	17716	13287	0.75	1403	16512	12384	0.75	1471	15308	11481	0.75	1554
86	72	18748	11811	0.63	1458	17544	11053	0.63	1540	16340	10294	0.63	1595
86	75	19780	10088	0.51	1513	18576	9474	0.51	1581	17544	8947	0.51	1650
86	79	20812	8117	0.39	1568	19608	7647	0.39	1636	18404	7178	0.39	1705
88	64	16856	15339	0.91	1348	15480	14087	0.91	1430	14276	12991	0.91	1485
88	68	17716	13996	0.79	1403	16512	13044	0.79	1471	15308	12093	0.79	1554
88	72	18748	12561	0.67	1458	17544	11754	0.67	1540	16340	10948	0.67	1595
88	75	19780	10879	0.55	1513	18576	10217	0.55	1581	17544	9649	0.55	1650
88	79	20812	8949	0.43	1568	19608	8431	0.43	1636	18404	7914	0.43	1705
90	64	16856	16013	0.95	1348	15480	14706	0.95	1430	14276	13562	0.95	1485
90	68	17716	14704	0.83	1403	16512	13705	0.83	1471	15308	12706	0.83	1554
90	72	18748	13311	0.71	1458	17544	12456	0.71	1540	16340	11601	0.71	1595
90	75	19780	11670	0.59	1513	18576	10960	0.59	1581	17544	10351	0.59	1650
90	79	20812	9782	0.47	1568	19608	9216	0.47	1636	18404	8650	0.47	1705

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FE09NAH

CAPACITY (Btu/h): 9000 INPUT: 580 W SHF: 0.76

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6134	0.58	464	10125	5873	0.58	487	9720	5638	0.58	510	9360	5429	0.58	534
70	68	11025	5072	0.46	487	10575	4865	0.46	516	10260	4720	0.46	528	9900	4554	0.46	551
72	64	10575	6557	0.62	464	10125	6278	0.62	487	9720	6026	0.62	510	9360	5803	0.62	534
72	68	11025	5513	0.50	487	10575	5288	0.50	516	10260	5130	0.50	528	9900	4950	0.50	551
72	72	11475	4361	0.38	505	11070	4207	0.38	537	10800	4104	0.38	551	10350	3933	0.38	574
73	64	10575	6980	0.66	464	10125	6683	0.66	487	9720	6415	0.66	510	9360	6178	0.66	534
73	68	11025	5954	0.54	487	10575	5711	0.54	516	10260	5540	0.54	528	9900	5346	0.54	551
73	72	11475	4820	0.42	505	11070	4649	0.42	537	10800	4536	0.42	551	10350	4347	0.42	574
75	64	10575	7403	0.70	464	10125	7088	0.70	487	9720	6804	0.70	510	9360	6552	0.70	534
75	68	11025	6395	0.58	487	10575	6134	0.58	516	10260	5951	0.58	528	9900	5742	0.58	551
75	72	11475	5279	0.46	505	11070	5092	0.46	537	10800	4968	0.46	551	10350	4761	0.46	574
75	75	12060	4100	0.34	528	11610	3947	0.34	557	11340	3856	0.34	574	10980	3733	0.34	603
77	64	10575	7826	0.74	464	10125	7493	0.74	487	9720	7193	0.74	510	9360	6926	0.74	534
77	68	11025	6836	0.62	487	10575	6557	0.62	516	10260	6361	0.62	528	9900	6138	0.62	551
77	72	11475	5738	0.50	505	11070	5535	0.50	537	10800	5400	0.50	551	10350	5175	0.50	574
77	75	12060	4583	0.38	528	11610	4412	0.38	557	11340	4309	0.38	574	10980	4172	0.38	603
79	64	10575	8249	0.78	464	10125	7898	0.78	487	9720	7582	0.78	510	9360	7301	0.78	534
79	68	11025	7277	0.66	487	10575	6980	0.66	516	10260	6772	0.66	528	9900	6534	0.66	551
79	72	11475	6197	0.54	505	11070	5978	0.54	537	10800	5832	0.54	551	10350	5589	0.54	574
79	75	12060	5065	0.42	528	11610	4876	0.42	557	11340	4763	0.42	574	10980	4612	0.42	603
79	79	12420	3726	0.30	557	12060	3618	0.30	586	11880	3564	0.30	603	11520	3456	0.30	621
81	64	10575	8672	0.82	464	10125	8303	0.82	487	9720	7970	0.82	510	9360	7675	0.82	534
81	68	11025	7718	0.70	487	10575	7403	0.70	516	10260	7182	0.70	528	9900	6930	0.70	551
81	72	11475	6656	0.58	505	11070	6421	0.58	537	10800	6264	0.58	551	10350	6003	0.58	574
81	75	12060	5548	0.46	528	11610	5341	0.46	557	11340	5216	0.46	574	10980	5051	0.46	603
81	79	12420	4223	0.34	557	12060	4100	0.34	586	11880	4039	0.34	603	11520	3917	0.34	621
82	64	10575	9095	0.86	464	10125	8708	0.86	487	9720	8359	0.86	510	9360	8050	0.86	534
82	68	11025	8159	0.74	487	10575	7826	0.74	516	10260	7592	0.74	528	9900	7326	0.74	551
82	72	11475	7115	0.62	505	11070	6863	0.62	537	10800	6696	0.62	551	10350	6417	0.62	574
82	75	12060	6030	0.50	528	11610	5805	0.50	557	11340	5670	0.50	574	10980	5490	0.50	603
82	79	12420	4720	0.38	557	12060	4583	0.38	586	11880	4514	0.38	603	11520	4378	0.38	621
84	64	10575	9518	0.90	464	10125	9113	0.90	487	9720	8748	0.90	510	9360	8424	0.90	534
84	68	11025	8600	0.78	487	10575	8249	0.78	516	10260	8003	0.78	528	9900	7722	0.78	551
84	72	11475	7574	0.66	505	11070	7306	0.66	537	10800	7128	0.66	551	10350	6831	0.66	574
84	75	12060	6512	0.54	528	11610	6269	0.54	557	11340	6124	0.54	574	10980	5929	0.54	603
84	79	12420	5216	0.42	557	12060	5065	0.42	586	11880	4990	0.42	603	11520	4838	0.42	621
86	64	10575	9941	0.94	464	10125	9518	0.94	487	9720	9137	0.94	510	9360	8798	0.94	534
86	68	11025	9041	0.82	487	10575	8672	0.82	516	10260	8413	0.82	528	9900	8118	0.82	551
86	72	11475	8033	0.70	505	11070	7749	0.70	537	10800	7560	0.70	551	10350	7245	0.70	574
86	75	12060	6995	0.58	528	11610	6734	0.58	557	11340	6577	0.58	574	10980	6368	0.58	603
86	79	12420	5713	0.46	557	12060	5548	0.46	586	11880	5465	0.46	603	11520	5299	0.46	621
88	64	10575	10364	0.98	464	10125	9923	0.98	487	9720	9526	0.98	510	9360	9173	0.98	534
88	68	11025	9482	0.86	487	10575	9095	0.86	516	10260	8824	0.86	528	9900	8514	0.86	551
88	72	11475	8492	0.74	505	11070	8192	0.74	537	10800	7992	0.74	551	10350	7659	0.74	574
88	75	12060	7477	0.62	528	11610	7198	0.62	557	11340	7031	0.62	574	10980	6808	0.62	603
88	79	12420	6210	0.50	557	12060	6030	0.50	586	11880	5940	0.50	603	11520	5760	0.50	621
90	64	10575	10575	1.00	464	10125	10125	1.00	487	9720	9720	1.00	510	9360	9360	1.00	534
90	68	11025	9923	0.90	487	10575	9518	0.90	516	10260	9234	0.90	528	9900	8910	0.90	551
90	72	11475	8951	0.78	505	11070	8635	0.78	537	10800	8424	0.78	551	10350	8073	0.78	574
90	75	12060	7960	0.66	528	11610	7663	0.66	557	11340	7484	0.66	574	10980	7247	0.66	603
90	79	12420	6707	0.54	557	12060	6512	0.54	586	11880	6415	0.54	603	11520	6221	0.54	621

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FE09NAH

CAPACITY (Btu/h): 9000 INPUT: 580 W SHF: 0.76

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5116	0.58	568	8100	4698	0.58	603	7470	4333	0.58	626
70	68	9270	4264	0.46	592	8640	3974	0.46	621	8010	3685	0.46	655
72	64	8820	5468	0.62	568	8100	5022	0.62	603	7470	4631	0.62	626
72	68	9270	4635	0.50	592	8640	4320	0.50	621	8010	4005	0.50	655
72	72	9810	3728	0.38	615	9180	3488	0.38	650	8550	3249	0.38	673
73	64	8820	5821	0.66	568	8100	5346	0.66	603	7470	4930	0.66	626
73	68	9270	5006	0.54	592	8640	4666	0.54	621	8010	4325	0.54	655
73	72	9810	4120	0.42	615	9180	3856	0.42	650	8550	3591	0.42	673
75	64	8820	6174	0.70	568	8100	5670	0.70	603	7470	5229	0.70	626
75	68	9270	5377	0.58	592	8640	5011	0.58	621	8010	4646	0.58	655
75	72	9810	4513	0.46	615	9180	4223	0.46	650	8550	3933	0.46	673
75	75	10350	3519	0.34	638	9720	3305	0.34	667	9180	3121	0.34	696
77	64	8820	6527	0.74	568	8100	5994	0.74	603	7470	5528	0.74	626
77	68	9270	5747	0.62	592	8640	5357	0.62	621	8010	4966	0.62	655
77	72	9810	4905	0.50	615	9180	4590	0.50	650	8550	4275	0.50	673
77	75	10350	3933	0.38	638	9720	3694	0.38	667	9180	3488	0.38	696
79	64	8820	6880	0.78	568	8100	6318	0.78	603	7470	5827	0.78	626
79	68	9270	6118	0.66	592	8640	5702	0.66	621	8010	5287	0.66	655
79	72	9810	5297	0.54	615	9180	4957	0.54	650	8550	4617	0.54	673
79	75	10350	4347	0.42	638	9720	4082	0.42	667	9180	3856	0.42	696
79	79	10890	3267	0.30	661	10260	3078	0.30	690	9630	2889	0.30	719
81	64	8820	7232	0.82	568	8100	6642	0.82	603	7470	6125	0.82	626
81	68	9270	6489	0.70	592	8640	6048	0.70	621	8010	5607	0.70	655
81	72	9810	5690	0.58	615	9180	5324	0.58	650	8550	4959	0.58	673
81	75	10350	4761	0.46	638	9720	4471	0.46	667	9180	4223	0.46	696
81	79	10890	3703	0.34	661	10260	3488	0.34	690	9630	3274	0.34	719
82	64	8820	7585	0.86	568	8100	6966	0.86	603	7470	6424	0.86	626
82	68	9270	6860	0.74	592	8640	6394	0.74	621	8010	5927	0.74	655
82	72	9810	6082	0.62	615	9180	5692	0.62	650	8550	5301	0.62	673
82	75	10350	5175	0.50	638	9720	4860	0.50	667	9180	4590	0.50	696
82	79	10890	4138	0.38	661	10260	3899	0.38	690	9630	3659	0.38	719
84	64	8820	7938	0.90	568	8100	7290	0.90	603	7470	6723	0.90	626
84	68	9270	7231	0.78	592	8640	6739	0.78	621	8010	6248	0.78	655
84	72	9810	6475	0.66	615	9180	6059	0.66	650	8550	5643	0.66	673
84	75	10350	5589	0.54	638	9720	5249	0.54	667	9180	4957	0.54	696
84	79	10890	4574	0.42	661	10260	4309	0.42	690	9630	4045	0.42	719
86	64	8820	8291	0.94	568	8100	7614	0.94	603	7470	7022	0.94	626
86	68	9270	7601	0.82	592	8640	7085	0.82	621	8010	6568	0.82	655
86	72	9810	6867	0.70	615	9180	6426	0.70	650	8550	5985	0.70	673
86	75	10350	6003	0.58	638	9720	5638	0.58	667	9180	5324	0.58	696
86	79	10890	5009	0.46	661	10260	4720	0.46	690	9630	4430	0.46	719
88	64	8820	8644	0.98	568	8100	7938	0.98	603	7470	7321	0.98	626
88	68	9270	7972	0.86	592	8640	7430	0.86	621	8010	6889	0.86	655
88	72	9810	7259	0.74	615	9180	6793	0.74	650	8550	6327	0.74	673
88	75	10350	6417	0.62	638	9720	6026	0.62	667	9180	5692	0.62	696
88	79	10890	5445	0.50	661	10260	5130	0.50	690	9630	4815	0.50	719
90	64	8820	8820	1.00	568	8100	8100	1.00	603	7470	7470	1.00	626
90	68	9270	8343	0.90	592	8640	7776	0.90	621	8010	7209	0.90	655
90	72	9810	7652	0.78	615	9180	7160	0.78	650	8550	6669	0.78	673
90	75	10350	6831	0.66	638	9720	6415	0.66	667	9180	6059	0.66	696
90	79	10890	5881	0.54	661	10260	5540	0.54	690	9630	5200	0.54	719

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FE12NAH

CAPACITY (Btu/h): 12000 INPUT: 930 W SHF: 0.73

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	7755	0.55	744	13500	7425	0.55	781	12960	7128	0.55	818	12480	6864	0.55	856
70	68	14700	6321	0.43	781	14100	6063	0.43	828	13680	5882	0.43	846	13200	5676	0.43	884
72	64	14100	8319	0.59	744	13500	7965	0.59	781	12960	7646	0.59	818	12480	7363	0.59	856
72	68	14700	6909	0.47	781	14100	6627	0.47	828	13680	6430	0.47	846	13200	6204	0.47	884
72	72	15300	5355	0.35	809	14760	5166	0.35	860	14400	5040	0.35	884	13800	4830	0.35	921
73	64	14100	8883	0.63	744	13500	8505	0.63	781	12960	8165	0.63	818	12480	7862	0.63	856
73	68	14700	7497	0.51	781	14100	7191	0.51	828	13680	6977	0.51	846	13200	6732	0.51	884
73	72	15300	5967	0.39	809	14760	5756	0.39	860	14400	5616	0.39	884	13800	5382	0.39	921
75	64	14100	9447	0.67	744	13500	9045	0.67	781	12960	8683	0.67	818	12480	8362	0.67	856
75	68	14700	8085	0.55	781	14100	7755	0.55	828	13680	7524	0.55	846	13200	7260	0.55	884
75	72	15300	6579	0.43	809	14760	6347	0.43	860	14400	6192	0.43	884	13800	5934	0.43	921
75	75	16080	4985	0.31	846	15480	4799	0.31	893	15120	4687	0.31	921	14640	4538	0.31	967
77	64	14100	10011	0.71	744	13500	9585	0.71	781	12960	9202	0.71	818	12480	8861	0.71	856
77	68	14700	8673	0.59	781	14100	8319	0.59	828	13680	8071	0.59	846	13200	7788	0.59	884
77	72	15300	7191	0.47	809	14760	6937	0.47	860	14400	6768	0.47	884	13800	6486	0.47	921
77	75	16080	5628	0.35	846	15480	5418	0.35	893	15120	5292	0.35	921	14640	5124	0.35	967
79	64	14100	10575	0.75	744	13500	10125	0.75	781	12960	9720	0.75	818	12480	9360	0.75	856
79	68	14700	9261	0.63	781	14100	8883	0.63	828	13680	8618	0.63	846	13200	8316	0.63	884
79	72	15300	7803	0.51	809	14760	7528	0.51	860	14400	7344	0.51	884	13800	7038	0.51	921
79	75	16080	6271	0.39	846	15480	6037	0.39	893	15120	5897	0.39	921	14640	5710	0.39	967
79	79	16560	4471	0.27	893	16080	4342	0.27	939	15840	4277	0.27	967	15360	4147	0.27	995
81	64	14100	11139	0.79	744	13500	10665	0.79	781	12960	10238	0.79	818	12480	9859	0.79	856
81	68	14700	9849	0.67	781	14100	9447	0.67	828	13680	9166	0.67	846	13200	8844	0.67	884
81	72	15300	8415	0.55	809	14760	8118	0.55	860	14400	7920	0.55	884	13800	7590	0.55	921
81	75	16080	6914	0.43	846	15480	6656	0.43	893	15120	6502	0.43	921	14640	6295	0.43	967
81	79	16560	5134	0.31	893	16080	4985	0.31	939	15840	4910	0.31	967	15360	4762	0.31	995
82	64	14100	11703	0.83	744	13500	11205	0.83	781	12960	10757	0.83	818	12480	10358	0.83	856
82	68	14700	10437	0.71	781	14100	10011	0.71	828	13680	9713	0.71	846	13200	9372	0.71	884
82	72	15300	9027	0.59	809	14760	8708	0.59	860	14400	8496	0.59	884	13800	8142	0.59	921
82	75	16080	7558	0.47	846	15480	7276	0.47	893	15120	7106	0.47	921	14640	6881	0.47	967
82	79	16560	5796	0.35	893	16080	5628	0.35	939	15840	5544	0.35	967	15360	5376	0.35	995
84	64	14100	12267	0.87	744	13500	11745	0.87	781	12960	11275	0.87	818	12480	10858	0.87	856
84	68	14700	11025	0.75	781	14100	10575	0.75	828	13680	10260	0.75	846	13200	9900	0.75	884
84	72	15300	9639	0.63	809	14760	9299	0.63	860	14400	9072	0.63	884	13800	8694	0.63	921
84	75	16080	8201	0.51	846	15480	7895	0.51	893	15120	7711	0.51	921	14640	7466	0.51	967
84	79	16560	6458	0.39	893	16080	6271	0.39	939	15840	6178	0.39	967	15360	5990	0.39	995
86	64	14100	12831	0.91	744	13500	12285	0.91	781	12960	11794	0.91	818	12480	11357	0.91	856
86	68	14700	11613	0.79	781	14100	11139	0.79	828	13680	10807	0.79	846	13200	10428	0.79	884
86	72	15300	10251	0.67	809	14760	9889	0.67	860	14400	9648	0.67	884	13800	9246	0.67	921
86	75	16080	8844	0.55	846	15480	8514	0.55	893	15120	8316	0.55	921	14640	8052	0.55	967
86	79	16560	7121	0.43	893	16080	6914	0.43	939	15840	6811	0.43	967	15360	6605	0.43	995
88	64	14100	13395	0.95	744	13500	12825	0.95	781	12960	12312	0.95	818	12480	11856	0.95	856
88	68	14700	12201	0.83	781	14100	11703	0.83	828	13680	11354	0.83	846	13200	10956	0.83	884
88	72	15300	10863	0.71	809	14760	10480	0.71	860	14400	10224	0.71	884	13800	9798	0.71	921
88	75	16080	9487	0.59	846	15480	9133	0.59	893	15120	8921	0.59	921	14640	8638	0.59	967
88	79	16560	7783	0.47	893	16080	7558	0.47	939	15840	7445	0.47	967	15360	7219	0.47	995
90	64	14100	13959	0.99	744	13500	13365	0.99	781	12960	12830	0.99	818	12480	12355	0.99	856
90	68	14700	12789	0.87	781	14100	12267	0.87	828	13680	11902	0.87	846	13200	11484	0.87	884
90	72	15300	11475	0.75	809	14760	11070	0.75	860	14400	10800	0.75	884	13800	10350	0.75	921
90	75	16080	10130	0.63	846	15480	9752	0.63	893	15120	9526	0.63	921	14640	9223	0.63	967
90	79	16560	8446	0.51	893	16080	8201	0.51	939	15840	8078	0.51	967	15360	7834	0.51	995

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUZ-FE12NAH

CAPACITY (Btu/h): 12000 INPUT: 930 W SHF: 0.73

Indoor intake air DB(°F)	Indoor intake air WB(°F)	Outdoor intake air DB(°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6468	0.55	911	10800	5940	0.55	967	9960	5478	0.55	1004
70	68	12360	5315	0.43	949	11520	4954	0.43	995	10680	4592	0.43	1051
72	64	11760	6938	0.59	911	10800	6372	0.59	967	9960	5876	0.59	1004
72	68	12360	5809	0.47	949	11520	5414	0.47	995	10680	5020	0.47	1051
72	72	13080	4578	0.35	986	12240	4284	0.35	1042	11400	3990	0.35	1079
73	64	11760	7409	0.63	911	10800	6804	0.63	967	9960	6275	0.63	1004
73	68	12360	6304	0.51	949	11520	5875	0.51	995	10680	5447	0.51	1051
73	72	13080	5101	0.39	986	12240	4774	0.39	1042	11400	4446	0.39	1079
75	64	11760	7879	0.67	911	10800	7236	0.67	967	9960	6673	0.67	1004
75	68	12360	6798	0.55	949	11520	6336	0.55	995	10680	5874	0.55	1051
75	72	13080	5624	0.43	986	12240	5263	0.43	1042	11400	4902	0.43	1079
75	75	13800	4278	0.31	1023	12960	4018	0.31	1070	12240	3794	0.31	1116
77	64	11760	8350	0.71	911	10800	7668	0.71	967	9960	7072	0.71	1004
77	68	12360	7292	0.59	949	11520	6797	0.59	995	10680	6301	0.59	1051
77	72	13080	6148	0.47	986	12240	5753	0.47	1042	11400	5358	0.47	1079
77	75	13800	4830	0.35	1023	12960	4536	0.35	1070	12240	4284	0.35	1116
79	64	11760	8820	0.75	911	10800	8100	0.75	967	9960	7470	0.75	1004
79	68	12360	7787	0.63	949	11520	7258	0.63	995	10680	6728	0.63	1051
79	72	13080	6671	0.51	986	12240	6242	0.51	1042	11400	5814	0.51	1079
79	75	13800	5382	0.39	1023	12960	5054	0.39	1070	12240	4774	0.39	1116
79	79	14520	3920	0.27	1060	13680	3694	0.27	1107	12840	3467	0.27	1153
81	64	11760	9290	0.79	911	10800	8532	0.79	967	9960	7868	0.79	1004
81	68	12360	8281	0.67	949	11520	7718	0.67	995	10680	7156	0.67	1051
81	72	13080	7194	0.55	986	12240	6732	0.55	1042	11400	6270	0.55	1079
81	75	13800	5934	0.43	1023	12960	5573	0.43	1070	12240	5263	0.43	1116
81	79	14520	4501	0.31	1060	13680	4241	0.31	1107	12840	3980	0.31	1153
82	64	11760	9761	0.83	911	10800	8964	0.83	967	9960	8267	0.83	1004
82	68	12360	8776	0.71	949	11520	8179	0.71	995	10680	7583	0.71	1051
82	72	13080	7717	0.59	986	12240	7222	0.59	1042	11400	6726	0.59	1079
82	75	13800	6486	0.47	1023	12960	6091	0.47	1070	12240	5753	0.47	1116
82	79	14520	5082	0.35	1060	13680	4788	0.35	1107	12840	4494	0.35	1153
84	64	11760	10231	0.87	911	10800	9396	0.87	967	9960	8665	0.87	1004
84	68	12360	9270	0.75	949	11520	8640	0.75	995	10680	8010	0.75	1051
84	72	13080	8240	0.63	986	12240	7711	0.63	1042	11400	7182	0.63	1079
84	75	13800	7038	0.51	1023	12960	6610	0.51	1070	12240	6242	0.51	1116
84	79	14520	5663	0.39	1060	13680	5335	0.39	1107	12840	5008	0.39	1153
86	64	11760	10702	0.91	911	10800	9828	0.91	967	9960	9064	0.91	1004
86	68	12360	9764	0.79	949	11520	9101	0.79	995	10680	8437	0.79	1051
86	72	13080	8764	0.67	986	12240	8201	0.67	1042	11400	7638	0.67	1079
86	75	13800	7590	0.55	1023	12960	7128	0.55	1070	12240	6732	0.55	1116
86	79	14520	6244	0.43	1060	13680	5882	0.43	1107	12840	5521	0.43	1153
88	64	11760	11172	0.95	911	10800	10260	0.95	967	9960	9462	0.95	1004
88	68	12360	10259	0.83	949	11520	9562	0.83	995	10680	8864	0.83	1051
88	72	13080	9287	0.71	986	12240	8690	0.71	1042	11400	8094	0.71	1079
88	75	13800	8142	0.59	1023	12960	7646	0.59	1070	12240	7222	0.59	1116
88	79	14520	6824	0.47	1060	13680	6430	0.47	1107	12840	6035	0.47	1153
90	64	11760	11642	0.99	911	10800	10692	0.99	967	9960	9860	0.99	1004
90	68	12360	10753	0.87	949	11520	10022	0.87	995	10680	9292	0.87	1051
90	72	13080	9810	0.75	986	12240	9180	0.75	1042	11400	8550	0.75	1079
90	75	13800	8694	0.63	1023	12960	8165	0.63	1070	12240	7711	0.63	1116
90	79	14520	7405	0.51	1060	13680	6977	0.51	1107	12840	6548	0.51	1153

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ09NAHZ

CAPACITY (Btu/h): 9000 INPUT (W): 570 SHF: 0.79

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	10575	6451	0.61	456	10125	6176	0.61	479	9720	5929	0.61	502	9360	5710	0.61	524
70	68	11025	5402	0.49	479	10575	5182	0.49	507	10260	5027	0.49	519	9900	4851	0.49	542
72	64	10575	6874	0.65	456	10125	6581	0.65	479	9720	6318	0.65	502	9360	6084	0.65	524
72	68	11025	5843	0.53	479	10575	5605	0.53	507	10260	5438	0.53	519	9900	5247	0.53	542
72	72	11475	4705	0.41	496	11070	4539	0.41	527	10800	4428	0.41	542	10350	4244	0.41	564
73	64	10575	7297	0.69	456	10125	6986	0.69	479	9720	6707	0.69	502	9360	6458	0.69	524
73	68	11025	6284	0.57	479	10575	6028	0.57	507	10260	5848	0.57	519	9900	5643	0.57	542
73	72	11475	5164	0.45	496	11070	4982	0.45	527	10800	4860	0.45	542	10350	4658	0.45	564
75	64	10575	7720	0.73	456	10125	7391	0.73	479	9720	7096	0.73	502	9360	6833	0.73	524
75	68	11025	6725	0.61	479	10575	6451	0.61	507	10260	6259	0.61	519	9900	6039	0.61	542
75	72	11475	5623	0.49	496	11070	5424	0.49	527	10800	5292	0.49	542	10350	5072	0.49	564
75	75	12060	4462	0.37	519	11610	4296	0.37	547	11340	4196	0.37	564	10980	4063	0.37	593
77	64	10575	8143	0.77	456	10125	7796	0.77	479	9720	7484	0.77	502	9360	7207	0.77	524
77	68	11025	7166	0.65	479	10575	6874	0.65	507	10260	6669	0.65	519	9900	6435	0.65	542
77	72	11475	6082	0.53	496	11070	5867	0.53	527	10800	5724	0.53	542	10350	5486	0.53	564
77	75	12060	4945	0.41	519	11610	4760	0.41	547	11340	4649	0.41	564	10980	4502	0.41	593
79	64	10575	8566	0.81	456	10125	8201	0.81	479	9720	7873	0.81	502	9360	7582	0.81	524
79	68	11025	7607	0.69	479	10575	7297	0.69	507	10260	7079	0.69	519	9900	6831	0.69	542
79	72	11475	6541	0.57	496	11070	6310	0.57	527	10800	6156	0.57	542	10350	5900	0.57	564
79	75	12060	5427	0.45	519	11610	5225	0.45	547	11340	5103	0.45	564	10980	4941	0.45	593
79	79	12420	4099	0.33	547	12060	3980	0.33	576	11880	3920	0.33	593	11520	3802	0.33	610
81	64	10575	8989	0.85	456	10125	8606	0.85	479	9720	8262	0.85	502	9360	7956	0.85	524
81	68	11025	8048	0.73	479	10575	7720	0.73	507	10260	7490	0.73	519	9900	7227	0.73	542
81	72	11475	7000	0.61	496	11070	6753	0.61	527	10800	6588	0.61	542	10350	6314	0.61	564
81	75	12060	5909	0.49	519	11610	5689	0.49	547	11340	5557	0.49	564	10980	5380	0.49	593
81	79	12420	4595	0.37	547	12060	4462	0.37	576	11880	4396	0.37	593	11520	4262	0.37	610
82	64	10575	9412	0.89	456	10125	9011	0.89	479	9720	8651	0.89	502	9360	8330	0.89	524
82	68	11025	8489	0.77	479	10575	8143	0.77	507	10260	7900	0.77	519	9900	7623	0.77	542
82	72	11475	7459	0.65	496	11070	7196	0.65	527	10800	7020	0.65	542	10350	6728	0.65	564
82	75	12060	6392	0.53	519	11610	6153	0.53	547	11340	6010	0.53	564	10980	5819	0.53	593
82	79	12420	5092	0.41	547	12060	4945	0.41	576	11880	4871	0.41	593	11520	4723	0.41	610
84	64	10575	9835	0.93	456	10125	9416	0.93	479	9720	9040	0.93	502	9360	8705	0.93	524
84	68	11025	8930	0.81	479	10575	8566	0.81	507	10260	8311	0.81	519	9900	8019	0.81	542
84	72	11475	7918	0.69	496	11070	7638	0.69	527	10800	7452	0.69	542	10350	7142	0.69	564
84	75	12060	6874	0.57	519	11610	6618	0.57	547	11340	6464	0.57	564	10980	6259	0.57	593
84	79	12420	5589	0.45	547	12060	5427	0.45	576	11880	5346	0.45	593	11520	5184	0.45	610
86	64	10575	10258	0.97	456	10125	9821	0.97	479	9720	9428	0.97	502	9360	9079	0.97	524
86	68	11025	9371	0.85	479	10575	8989	0.85	507	10260	8721	0.85	519	9900	8415	0.85	542
86	72	11475	8377	0.73	496	11070	8081	0.73	527	10800	7884	0.73	542	10350	7556	0.73	564
86	75	12060	7357	0.61	519	11610	7082	0.61	547	11340	6917	0.61	564	10980	6698	0.61	593
86	79	12420	6086	0.49	547	12060	5909	0.49	576	11880	5821	0.49	593	11520	5645	0.49	610
88	64	10575	10575	1.00	456	10125	10125	1.00	479	9720	9720	1.00	502	9360	9360	1.00	524
88	68	11025	9812	0.89	479	10575	9412	0.89	507	10260	9131	0.89	519	9900	8811	0.89	542
88	72	11475	8836	0.77	496	11070	8524	0.77	527	10800	8316	0.77	542	10350	7970	0.77	564
88	75	12060	7839	0.65	519	11610	7547	0.65	547	11340	7371	0.65	564	10980	7137	0.65	593
88	79	12420	6583	0.53	547	12060	6392	0.53	576	11880	6296	0.53	593	11520	6106	0.53	610
90	64	10575	10575	1.00	456	10125	10125	1.00	479	9720	9720	1.00	502	9360	9360	1.00	524
90	68	11025	10253	0.93	479	10575	9835	0.93	507	10260	9542	0.93	519	9900	9207	0.93	542
90	72	11475	9295	0.81	496	11070	8967	0.81	527	10800	8748	0.81	542	10350	8384	0.81	564
90	75	12060	8321	0.69	519	11610	8011	0.69	547	11340	7825	0.69	564	10980	7576	0.69	593
90	79	12420	7079	0.57	547	12060	6874	0.57	576	11880	6772	0.57	593	11520	6566	0.57	610

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ09NAHZ

CAPACITY (Btu/h): 9000 INPUT (W): 570 SHF: 0.79

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	8820	5380	0.61	559	8100	4941	0.61	593	7470	4557	0.61	616
70	68	9270	4542	0.49	581	8640	4234	0.49	610	8010	3925	0.49	644
72	64	8820	5733	0.65	559	8100	5265	0.65	593	7470	4856	0.65	616
72	68	9270	4913	0.53	581	8640	4579	0.53	610	8010	4245	0.53	644
72	72	9810	4022	0.41	604	9180	3764	0.41	638	8550	3506	0.41	661
73	64	8820	6086	0.69	559	8100	5589	0.69	593	7470	5154	0.69	616
73	68	9270	5284	0.57	581	8640	4925	0.57	610	8010	4566	0.57	644
73	72	9810	4415	0.45	604	9180	4131	0.45	638	8550	3848	0.45	661
75	64	8820	6439	0.73	559	8100	5913	0.73	593	7470	5453	0.73	616
75	68	9270	5655	0.61	581	8640	5270	0.61	610	8010	4886	0.61	644
75	72	9810	4807	0.49	604	9180	4498	0.49	638	8550	4190	0.49	661
75	75	10350	3830	0.37	627	9720	3596	0.37	656	9180	3397	0.37	684
77	64	8820	6791	0.77	559	8100	6237	0.77	593	7470	5752	0.77	616
77	68	9270	6026	0.65	581	8640	5616	0.65	610	8010	5207	0.65	644
77	72	9810	5199	0.53	604	9180	4865	0.53	638	8550	4532	0.53	661
77	75	10350	4244	0.41	627	9720	3985	0.41	656	9180	3764	0.41	684
79	64	8820	7144	0.81	559	8100	6561	0.81	593	7470	6051	0.81	616
79	68	9270	6396	0.69	581	8640	5962	0.69	610	8010	5527	0.69	644
79	72	9810	5592	0.57	604	9180	5233	0.57	638	8550	4874	0.57	661
79	75	10350	4658	0.45	627	9720	4374	0.45	656	9180	4131	0.45	684
79	79	10890	3594	0.33	650	10260	3386	0.33	678	9630	3178	0.33	707
81	64	8820	7497	0.85	559	8100	6885	0.85	593	7470	6350	0.85	616
81	68	9270	6767	0.73	581	8640	6307	0.73	610	8010	5847	0.73	644
81	72	9810	5984	0.61	604	9180	5600	0.61	638	8550	5216	0.61	661
81	75	10350	5072	0.49	627	9720	4763	0.49	656	9180	4498	0.49	684
81	79	10890	4029	0.37	650	10260	3796	0.37	678	9630	3563	0.37	707
82	64	8820	7850	0.89	559	8100	7209	0.89	593	7470	6648	0.89	616
82	68	9270	7138	0.77	581	8640	6653	0.77	610	8010	6168	0.77	644
82	72	9810	6377	0.65	604	9180	5967	0.65	638	8550	5558	0.65	661
82	75	10350	5486	0.53	627	9720	5152	0.53	656	9180	4865	0.53	684
82	79	10890	4465	0.41	650	10260	4207	0.41	678	9630	3948	0.41	707
84	64	8820	8203	0.93	559	8100	7533	0.93	593	7470	6947	0.93	616
84	68	9270	7509	0.81	581	8640	6998	0.81	610	8010	6488	0.81	644
84	72	9810	6769	0.69	604	9180	6334	0.69	638	8550	5900	0.69	661
84	75	10350	5900	0.57	627	9720	5540	0.57	656	9180	5233	0.57	684
84	79	10890	4901	0.45	650	10260	4617	0.45	678	9630	4334	0.45	707
86	64	8820	8555	0.97	559	8100	7857	0.97	593	7470	7246	0.97	616
86	68	9270	7880	0.85	581	8640	7344	0.85	610	8010	6809	0.85	644
86	72	9810	7161	0.73	604	9180	6701	0.73	638	8550	6242	0.73	661
86	75	10350	6314	0.61	627	9720	5929	0.61	656	9180	5600	0.61	684
86	79	10890	5336	0.49	650	10260	5027	0.49	678	9630	4719	0.49	707
88	64	8820	8820	1.00	559	8100	8100	1.00	593	7470	7470	1.00	616
88	68	9270	8250	0.89	581	8640	7690	0.89	610	8010	7129	0.89	644
88	72	9810	7554	0.77	604	9180	7069	0.77	638	8550	6584	0.77	661
88	75	10350	6728	0.65	627	9720	6318	0.65	656	9180	5967	0.65	684
88	79	10890	5772	0.53	650	10260	5438	0.53	678	9630	5104	0.53	707
90	64	8820	8820	1.00	559	8100	8100	1.00	593	7470	7470	1.00	616
90	68	9270	8621	0.93	581	8640	8035	0.93	610	8010	7449	0.93	644
90	72	9810	7946	0.81	604	9180	7436	0.81	638	8550	6926	0.81	661
90	75	10350	7142	0.69	627	9720	6707	0.69	656	9180	6334	0.69	684
90	79	10890	6207	0.57	650	10260	5848	0.57	678	9630	5489	0.57	707

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ12NAHZ

CAPACITY (Btu/h): 12000 INPUT (W): 890 SHF: 0.70

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14100	7332	0.52	712	13500	7020	0.52	748	12960	6739	0.52	783	12480	6490	0.52	819
70	68	14700	5880	0.40	748	14100	5640	0.40	792	13680	5472	0.40	810	13200	5280	0.40	846
72	64	14100	7896	0.56	712	13500	7560	0.56	748	12960	7258	0.56	783	12480	6989	0.56	819
72	68	14700	6468	0.44	748	14100	6204	0.44	792	13680	6019	0.44	810	13200	5808	0.44	846
72	72	15300	4896	0.32	774	14760	4723	0.32	823	14400	4608	0.32	846	13800	4416	0.32	881
73	64	14100	8460	0.60	712	13500	8100	0.60	748	12960	7776	0.60	783	12480	7488	0.60	819
73	68	14700	7056	0.48	748	14100	6768	0.48	792	13680	6566	0.48	810	13200	6336	0.48	846
73	72	15300	5508	0.36	774	14760	5314	0.36	823	14400	5184	0.36	846	13800	4968	0.36	881
75	64	14100	9024	0.64	712	13500	8640	0.64	748	12960	8294	0.64	783	12480	7987	0.64	819
75	68	14700	7644	0.52	748	14100	7332	0.52	792	13680	7114	0.52	810	13200	6864	0.52	846
75	72	15300	6120	0.40	774	14760	5904	0.40	823	14400	5760	0.40	846	13800	5520	0.40	881
75	75	16080	4502	0.28	810	15480	4334	0.28	854	15120	4234	0.28	881	14640	4099	0.28	926
77	64	14100	9588	0.68	712	13500	9180	0.68	748	12960	8813	0.68	783	12480	8486	0.68	819
77	68	14700	8232	0.56	748	14100	7896	0.56	792	13680	7661	0.56	810	13200	7392	0.56	846
77	72	15300	6732	0.44	774	14760	6494	0.44	823	14400	6336	0.44	846	13800	6072	0.44	881
77	75	16080	5146	0.32	810	15480	4954	0.32	854	15120	4838	0.32	881	14640	4685	0.32	926
79	64	14100	10152	0.72	712	13500	9720	0.72	748	12960	9331	0.72	783	12480	8986	0.72	819
79	68	14700	8820	0.60	748	14100	8460	0.60	792	13680	8208	0.60	810	13200	7920	0.60	846
79	72	15300	7344	0.48	774	14760	7085	0.48	823	14400	6912	0.48	846	13800	6624	0.48	881
79	75	16080	5789	0.36	810	15480	5573	0.36	854	15120	5443	0.36	881	14640	5270	0.36	926
79	79	16560	3974	0.24	854	16080	3859	0.24	899	15840	3802	0.24	926	15360	3686	0.24	952
81	64	14100	10716	0.76	712	13500	10260	0.76	748	12960	9850	0.76	783	12480	9485	0.76	819
81	68	14700	9408	0.64	748	14100	9024	0.64	792	13680	8755	0.64	810	13200	8448	0.64	846
81	72	15300	7956	0.52	774	14760	7675	0.52	823	14400	7488	0.52	846	13800	7176	0.52	881
81	75	16080	6432	0.40	810	15480	6192	0.40	854	15120	6048	0.40	881	14640	5856	0.40	926
81	79	16560	4637	0.28	854	16080	4502	0.28	899	15840	4435	0.28	926	15360	4301	0.28	952
82	64	14100	11280	0.80	712	13500	10800	0.80	748	12960	10368	0.80	783	12480	9984	0.80	819
82	68	14700	9996	0.68	748	14100	9588	0.68	792	13680	9302	0.68	810	13200	8976	0.68	846
82	72	15300	8568	0.56	774	14760	8266	0.56	823	14400	8064	0.56	846	13800	7728	0.56	881
82	75	16080	7075	0.44	810	15480	6811	0.44	854	15120	6653	0.44	881	14640	6442	0.44	926
82	79	16560	5299	0.32	854	16080	5146	0.32	899	15840	5069	0.32	926	15360	4915	0.32	952
84	64	14100	11844	0.84	712	13500	11340	0.84	748	12960	10886	0.84	783	12480	10483	0.84	819
84	68	14700	10584	0.72	748	14100	10152	0.72	792	13680	9850	0.72	810	13200	9504	0.72	846
84	72	15300	9180	0.60	774	14760	8856	0.60	823	14400	8640	0.60	846	13800	8280	0.60	881
84	75	16080	7718	0.48	810	15480	7430	0.48	854	15120	7258	0.48	881	14640	7027	0.48	926
84	79	16560	5962	0.36	854	16080	5789	0.36	899	15840	5702	0.36	926	15360	5530	0.36	952
86	64	14100	12408	0.88	712	13500	11880	0.88	748	12960	11405	0.88	783	12480	10982	0.88	819
86	68	14700	11172	0.76	748	14100	10716	0.76	792	13680	10397	0.76	810	13200	10032	0.76	846
86	72	15300	9792	0.64	774	14760	9446	0.64	823	14400	9216	0.64	846	13800	8832	0.64	881
86	75	16080	8362	0.52	810	15480	8050	0.52	854	15120	7862	0.52	881	14640	7613	0.52	926
86	79	16560	6624	0.40	854	16080	6432	0.40	899	15840	6336	0.40	926	15360	6144	0.40	952
88	64	14100	12972	0.92	712	13500	12420	0.92	748	12960	11923	0.92	783	12480	11482	0.92	819
88	68	14700	11760	0.80	748	14100	11280	0.80	792	13680	10944	0.80	810	13200	10560	0.80	846
88	72	15300	10404	0.68	774	14760	10037	0.68	823	14400	9792	0.68	846	13800	9384	0.68	881
88	75	16080	9005	0.56	810	15480	8669	0.56	854	15120	8467	0.56	881	14640	8198	0.56	926
88	79	16560	7286	0.44	854	16080	7075	0.44	899	15840	6970	0.44	926	15360	6758	0.44	952
90	64	14100	13536	0.96	712	13500	12960	0.96	748	12960	12442	0.96	783	12480	11981	0.96	819
90	68	14700	12348	0.84	748	14100	11844	0.84	792	13680	11491	0.84	810	13200	11088	0.84	846
90	72	15300	11016	0.72	774	14760	10627	0.72	823	14400	10368	0.72	846	13800	9936	0.72	881
90	75	16080	9648	0.60	810	15480	9288	0.60	854	15120	9072	0.60	881	14640	8784	0.60	926
90	79	16560	7949	0.48	854	16080	7718	0.48	899	15840	7603	0.48	926	15360	7373	0.48	952

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ12NAHZ

CAPACITY (Btu/h): 12000 INPUT (W): 890 SHF: 0.70

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	11760	6115	0.52	872	10800	5616	0.52	926	9960	5179	0.52	961
70	68	12360	4944	0.40	908	11520	4608	0.40	952	10680	4272	0.40	1006
72	64	11760	6586	0.56	872	10800	6048	0.56	926	9960	5578	0.56	961
72	68	12360	5438	0.44	908	11520	5069	0.44	952	10680	4699	0.44	1006
72	72	13080	4186	0.32	943	12240	3917	0.32	997	11400	3648	0.32	1032
73	64	11760	7056	0.60	872	10800	6480	0.60	926	9960	5976	0.60	961
73	68	12360	5933	0.48	908	11520	5530	0.48	952	10680	5126	0.48	1006
73	72	13080	4709	0.36	943	12240	4406	0.36	997	11400	4104	0.36	1032
75	64	11760	7526	0.64	872	10800	6912	0.64	926	9960	6374	0.64	961
75	68	12360	6427	0.52	908	11520	5990	0.52	952	10680	5554	0.52	1006
75	72	13080	5232	0.40	943	12240	4896	0.40	997	11400	4560	0.40	1032
75	75	13800	3864	0.28	979	12960	3629	0.28	1024	12240	3427	0.28	1068
77	64	11760	7997	0.68	872	10800	7344	0.68	926	9960	6773	0.68	961
77	68	12360	6922	0.56	908	11520	6451	0.56	952	10680	5981	0.56	1006
77	72	13080	5755	0.44	943	12240	5386	0.44	997	11400	5016	0.44	1032
77	75	13800	4416	0.32	979	12960	4147	0.32	1024	12240	3917	0.32	1068
79	64	11760	8467	0.72	872	10800	7776	0.72	926	9960	7171	0.72	961
79	68	12360	7416	0.60	908	11520	6912	0.60	952	10680	6408	0.60	1006
79	72	13080	6278	0.48	943	12240	5875	0.48	997	11400	5472	0.48	1032
79	75	13800	4968	0.36	979	12960	4666	0.36	1024	12240	4406	0.36	1068
79	79	14520	3485	0.24	1015	13680	3283	0.24	1059	12840	3082	0.24	1104
81	64	11760	8938	0.76	872	10800	8208	0.76	926	9960	7570	0.76	961
81	68	12360	7910	0.64	908	11520	7373	0.64	952	10680	6835	0.64	1006
81	72	13080	6802	0.52	943	12240	6365	0.52	997	11400	5928	0.52	1032
81	75	13800	5520	0.40	979	12960	5184	0.40	1024	12240	4896	0.40	1068
81	79	14520	4066	0.28	1015	13680	3830	0.28	1059	12840	3595	0.28	1104
82	64	11760	9408	0.80	872	10800	8640	0.80	926	9960	7968	0.80	961
82	68	12360	8405	0.68	908	11520	7834	0.68	952	10680	7262	0.68	1006
82	72	13080	7325	0.56	943	12240	6854	0.56	997	11400	6384	0.56	1032
82	75	13800	6072	0.44	979	12960	5702	0.44	1024	12240	5386	0.44	1068
82	79	14520	4646	0.32	1015	13680	4378	0.32	1059	12840	4109	0.32	1104
84	64	11760	9878	0.84	872	10800	9072	0.84	926	9960	8366	0.84	961
84	68	12360	8899	0.72	908	11520	8294	0.72	952	10680	7690	0.72	1006
84	72	13080	7848	0.60	943	12240	7344	0.60	997	11400	6840	0.60	1032
84	75	13800	6624	0.48	979	12960	6221	0.48	1024	12240	5875	0.48	1068
84	79	14520	5227	0.36	1015	13680	4925	0.36	1059	12840	4622	0.36	1104
86	64	11760	10349	0.88	872	10800	9504	0.88	926	9960	8765	0.88	961
86	68	12360	9394	0.76	908	11520	8755	0.76	952	10680	8117	0.76	1006
86	72	13080	8371	0.64	943	12240	7834	0.64	997	11400	7296	0.64	1032
86	75	13800	7176	0.52	979	12960	6739	0.52	1024	12240	6365	0.52	1068
86	79	14520	5808	0.40	1015	13680	5472	0.40	1059	12840	5136	0.40	1104
88	64	11760	10819	0.92	872	10800	9936	0.92	926	9960	9163	0.92	961
88	68	12360	9888	0.80	908	11520	9216	0.80	952	10680	8544	0.80	1006
88	72	13080	8894	0.68	943	12240	8323	0.68	997	11400	7752	0.68	1032
88	75	13800	7728	0.56	979	12960	7258	0.56	1024	12240	6854	0.56	1068
88	79	14520	6389	0.44	1015	13680	6019	0.44	1059	12840	5650	0.44	1104
90	64	11760	11290	0.96	872	10800	10368	0.96	926	9960	9562	0.96	961
90	68	12360	10382	0.84	908	11520	9677	0.84	952	10680	8971	0.84	1006
90	72	13080	9418	0.72	943	12240	8813	0.72	997	11400	8208	0.72	1032
90	75	13800	8280	0.60	979	12960	7776	0.60	1024	12240	7344	0.60	1068
90	79	14520	6970	0.48	1015	13680	6566	0.48	1059	12840	6163	0.48	1104

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ15NAHZ

CAPACITY (Btu/h): 15000 INPUT (W): 1120 SHF: 0.66

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	17625	8460	0.48	896	16875	8100	0.48	941	16200	7776	0.48	986	15600	7488	0.48	1030
70	68	18375	6615	0.36	941	17625	6345	0.36	997	17100	6156	0.36	1019	16500	5940	0.36	1064
72	64	17625	9165	0.52	896	16875	8775	0.52	941	16200	8424	0.52	986	15600	8112	0.52	1030
72	68	18375	7350	0.40	941	17625	7050	0.40	997	17100	6840	0.40	1019	16500	6600	0.40	1064
72	72	19125	5355	0.28	974	18450	5166	0.28	1036	18000	5040	0.28	1064	17250	4830	0.28	1109
73	64	17625	9870	0.56	896	16875	9450	0.56	941	16200	9072	0.56	986	15600	8736	0.56	1030
73	68	18375	8085	0.44	941	17625	7755	0.44	997	17100	7524	0.44	1019	16500	7260	0.44	1064
73	72	19125	6120	0.32	974	18450	5904	0.32	1036	18000	5760	0.32	1064	17250	5520	0.32	1109
75	64	17625	10575	0.60	896	16875	10125	0.60	941	16200	9720	0.60	986	15600	9360	0.60	1030
75	68	18375	8820	0.48	941	17625	8460	0.48	997	17100	8208	0.48	1019	16500	7920	0.48	1064
75	72	19125	6885	0.36	974	18450	6642	0.36	1036	18000	6480	0.36	1064	17250	6210	0.36	1109
75	75	20100	4824	0.24	1019	19350	4644	0.24	1075	18900	4536	0.24	1109	18300	4392	0.24	1165
77	64	17625	11280	0.64	896	16875	10800	0.64	941	16200	10368	0.64	986	15600	9984	0.64	1030
77	68	18375	9555	0.52	941	17625	9165	0.52	997	17100	8892	0.52	1019	16500	8580	0.52	1064
77	72	19125	7650	0.40	974	18450	7380	0.40	1036	18000	7200	0.40	1064	17250	6900	0.40	1109
77	75	20100	5628	0.28	1019	19350	5418	0.28	1075	18900	5292	0.28	1109	18300	5124	0.28	1165
79	64	17625	11985	0.68	896	16875	11475	0.68	941	16200	11016	0.68	986	15600	10608	0.68	1030
79	68	18375	10290	0.56	941	17625	9870	0.56	997	17100	9576	0.56	1019	16500	9240	0.56	1064
79	72	19125	8415	0.44	974	18450	8118	0.44	1036	18000	7920	0.44	1064	17250	7590	0.44	1109
79	75	20100	6432	0.32	1019	19350	6192	0.32	1075	18900	6048	0.32	1109	18300	5856	0.32	1165
79	79	20700	4140	0.20	1075	20100	4020	0.20	1131	19800	3960	0.20	1165	19200	3840	0.20	1198
81	64	17625	12690	0.72	896	16875	12150	0.72	941	16200	11664	0.72	986	15600	11232	0.72	1030
81	68	18375	11025	0.60	941	17625	10575	0.60	997	17100	10260	0.60	1019	16500	9900	0.60	1064
81	72	19125	9180	0.48	974	18450	8856	0.48	1036	18000	8640	0.48	1064	17250	8280	0.48	1109
81	75	20100	7236	0.36	1019	19350	6966	0.36	1075	18900	6804	0.36	1109	18300	6588	0.36	1165
81	79	20700	4968	0.24	1075	20100	4824	0.24	1131	19800	4752	0.24	1165	19200	4608	0.24	1198
82	64	17625	13395	0.76	896	16875	12825	0.76	941	16200	12312	0.76	986	15600	11856	0.76	1030
82	68	18375	11760	0.64	941	17625	11280	0.64	997	17100	10944	0.64	1019	16500	10560	0.64	1064
82	72	19125	9945	0.52	974	18450	9594	0.52	1036	18000	9360	0.52	1064	17250	8970	0.52	1109
82	75	20100	8040	0.40	1019	19350	7740	0.40	1075	18900	7560	0.40	1109	18300	7320	0.40	1165
82	79	20700	5796	0.28	1075	20100	5628	0.28	1131	19800	5544	0.28	1165	19200	5376	0.28	1198
84	64	17625	14100	0.80	896	16875	13500	0.80	941	16200	12960	0.80	986	15600	12480	0.80	1030
84	68	18375	12495	0.68	941	17625	11985	0.68	997	17100	11628	0.68	1019	16500	11220	0.68	1064
84	72	19125	10710	0.56	974	18450	10332	0.56	1036	18000	10080	0.56	1064	17250	9660	0.56	1109
84	75	20100	8844	0.44	1019	19350	8514	0.44	1075	18900	8316	0.44	1109	18300	8052	0.44	1165
84	79	20700	6624	0.32	1075	20100	6432	0.32	1131	19800	6336	0.32	1165	19200	6144	0.32	1198
86	64	17625	14805	0.84	896	16875	14175	0.84	941	16200	13608	0.84	986	15600	13104	0.84	1030
86	68	18375	13230	0.72	941	17625	12690	0.72	997	17100	12312	0.72	1019	16500	11880	0.72	1064
86	72	19125	11475	0.60	974	18450	11070	0.60	1036	18000	10800	0.60	1064	17250	10350	0.60	1109
86	75	20100	9648	0.48	1019	19350	9288	0.48	1075	18900	9072	0.48	1109	18300	8784	0.48	1165
86	79	20700	7452	0.36	1075	20100	7236	0.36	1131	19800	7128	0.36	1165	19200	6912	0.36	1198
88	64	17625	15510	0.88	896	16875	14850	0.88	941	16200	14256	0.88	986	15600	13728	0.88	1030
88	68	18375	13965	0.76	941	17625	13395	0.76	997	17100	12996	0.76	1019	16500	12540	0.76	1064
88	72	19125	12240	0.64	974	18450	11808	0.64	1036	18000	11520	0.64	1064	17250	11040	0.64	1109
88	75	20100	10452	0.52	1019	19350	10062	0.52	1075	18900	9828	0.52	1109	18300	9516	0.52	1165
88	79	20700	8280	0.40	1075	20100	8040	0.40	1131	19800	7920	0.40	1165	19200	7680	0.40	1198
90	64	17625	16215	0.92	896	16875	15525	0.92	941	16200	14904	0.92	986	15600	14352	0.92	1030
90	68	18375	14700	0.80	941	17625	14100	0.80	997	17100	13680	0.80	1019	16500	13200	0.80	1064
90	72	19125	13005	0.68	974	18450	12546	0.68	1036	18000	12240	0.68	1064	17250	11730	0.68	1109
90	75	20100	11256	0.56	1019	19350	10836	0.56	1075	18900	10584	0.56	1109	18300	10248	0.56	1165
90	79	20700	9108	0.44	1075	20100	8844	0.44	1131	19800	8712	0.44	1165	19200	8448	0.44	1198

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ15NAHZ

CAPACITY (Btu/h): 15000 INPUT (W): 1120 SHF: 0.66

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	14700	7056	0.48	1098	13500	6480	0.48	1165	12450	5976	0.48	1210
70	68	15450	5562	0.36	1142	14400	5184	0.36	1198	13350	4806	0.36	1266
72	64	14700	7644	0.52	1098	13500	7020	0.52	1165	12450	6474	0.52	1210
72	68	15450	6180	0.40	1142	14400	5760	0.40	1198	13350	5340	0.40	1266
72	72	16350	4578	0.28	1187	15300	4284	0.28	1254	14250	3990	0.28	1299
73	64	14700	8232	0.56	1098	13500	7560	0.56	1165	12450	6972	0.56	1210
73	68	15450	6798	0.44	1142	14400	6336	0.44	1198	13350	5874	0.44	1266
73	72	16350	5232	0.32	1187	15300	4896	0.32	1254	14250	4560	0.32	1299
75	64	14700	8820	0.60	1098	13500	8100	0.60	1165	12450	7470	0.60	1210
75	68	15450	7416	0.48	1142	14400	6912	0.48	1198	13350	6408	0.48	1266
75	72	16350	5886	0.36	1187	15300	5508	0.36	1254	14250	5130	0.36	1299
75	75	17250	4140	0.24	1232	16200	3888	0.24	1288	15300	3672	0.24	1344
77	64	14700	9408	0.64	1098	13500	8640	0.64	1165	12450	7968	0.64	1210
77	68	15450	8034	0.52	1142	14400	7488	0.52	1198	13350	6942	0.52	1266
77	72	16350	6540	0.40	1187	15300	6120	0.40	1254	14250	5700	0.40	1299
77	75	17250	4830	0.28	1232	16200	4536	0.28	1288	15300	4284	0.28	1344
79	64	14700	9996	0.68	1098	13500	9180	0.68	1165	12450	8466	0.68	1210
79	68	15450	8652	0.56	1142	14400	8064	0.56	1198	13350	7476	0.56	1266
79	72	16350	7194	0.44	1187	15300	6732	0.44	1254	14250	6270	0.44	1299
79	75	17250	5520	0.32	1232	16200	5184	0.32	1288	15300	4896	0.32	1344
79	79	18150	3630	0.20	1277	17100	3420	0.20	1333	16050	3210	0.20	1389
81	64	14700	10584	0.72	1098	13500	9720	0.72	1165	12450	8964	0.72	1210
81	68	15450	9270	0.60	1142	14400	8640	0.60	1198	13350	8010	0.60	1266
81	72	16350	7848	0.48	1187	15300	7344	0.48	1254	14250	6840	0.48	1299
81	75	17250	6210	0.36	1232	16200	5832	0.36	1288	15300	5508	0.36	1344
81	79	18150	4356	0.24	1277	17100	4104	0.24	1333	16050	3852	0.24	1389
82	64	14700	11172	0.76	1098	13500	10260	0.76	1165	12450	9462	0.76	1210
82	68	15450	9888	0.64	1142	14400	9216	0.64	1198	13350	8544	0.64	1266
82	72	16350	8502	0.52	1187	15300	7956	0.52	1254	14250	7410	0.52	1299
82	75	17250	6900	0.40	1232	16200	6480	0.40	1288	15300	6120	0.40	1344
82	79	18150	5082	0.28	1277	17100	4788	0.28	1333	16050	4494	0.28	1389
84	64	14700	11760	0.80	1098	13500	10800	0.80	1165	12450	9960	0.80	1210
84	68	15450	10506	0.68	1142	14400	9792	0.68	1198	13350	9078	0.68	1266
84	72	16350	9156	0.56	1187	15300	8568	0.56	1254	14250	7980	0.56	1299
84	75	17250	7590	0.44	1232	16200	7128	0.44	1288	15300	6732	0.44	1344
84	79	18150	5808	0.32	1277	17100	5472	0.32	1333	16050	5136	0.32	1389
86	64	14700	12348	0.84	1098	13500	11340	0.84	1165	12450	10458	0.84	1210
86	68	15450	11124	0.72	1142	14400	10368	0.72	1198	13350	9612	0.72	1266
86	72	16350	9810	0.60	1187	15300	9180	0.60	1254	14250	8550	0.60	1299
86	75	17250	8280	0.48	1232	16200	7776	0.48	1288	15300	7344	0.48	1344
86	79	18150	6534	0.36	1277	17100	6156	0.36	1333	16050	5778	0.36	1389
88	64	14700	12936	0.88	1098	13500	11880	0.88	1165	12450	10956	0.88	1210
88	68	15450	11742	0.76	1142	14400	10944	0.76	1198	13350	10146	0.76	1266
88	72	16350	10464	0.64	1187	15300	9792	0.64	1254	14250	9120	0.64	1299
88	75	17250	8970	0.52	1232	16200	8424	0.52	1288	15300	7956	0.52	1344
88	79	18150	7260	0.40	1277	17100	6840	0.40	1333	16050	6420	0.40	1389
90	64	14700	13524	0.92	1098	13500	12420	0.92	1165	12450	11454	0.92	1210
90	68	15450	12360	0.80	1142	14400	11520	0.80	1198	13350	10680	0.80	1266
90	72	16350	11118	0.68	1187	15300	10404	0.68	1254	14250	9690	0.68	1299
90	75	17250	9660	0.56	1232	16200	9072	0.56	1288	15300	8568	0.56	1344
90	79	18150	7986	0.44	1277	17100	7524	0.44	1333	16050	7062	0.44	1389

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ18NAHZ

CAPACITY (Btu/h): 17000 INPUT (W): 1350 SHF: 0.65

INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)															
		70				77				81				86			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	19975	9388	0.47	1080	19125	8989	0.47	1134	18360	8629	0.47	1188	17680	8310	0.47	1242
70	68	20825	7289	0.35	1134	19975	6991	0.35	1202	19380	6783	0.35	1229	18700	6545	0.35	1283
72	64	19975	10187	0.51	1080	19125	9754	0.51	1134	18360	9364	0.51	1188	17680	9017	0.51	1242
72	68	20825	8122	0.39	1134	19975	7790	0.39	1202	19380	7558	0.39	1229	18700	7293	0.39	1283
72	72	21675	5852	0.27	1175	20910	5646	0.27	1249	20400	5508	0.27	1283	19550	5279	0.27	1337
73	64	19975	10986	0.55	1080	19125	10519	0.55	1134	18360	10098	0.55	1188	17680	9724	0.55	1242
73	68	20825	8955	0.43	1134	19975	8589	0.43	1202	19380	8333	0.43	1229	18700	8041	0.43	1283
73	72	21675	6719	0.31	1175	20910	6482	0.31	1249	20400	6324	0.31	1283	19550	6061	0.31	1337
75	64	19975	11785	0.59	1080	19125	11284	0.59	1134	18360	10832	0.59	1188	17680	10431	0.59	1242
75	68	20825	9788	0.47	1134	19975	9388	0.47	1202	19380	9109	0.47	1229	18700	8789	0.47	1283
75	72	21675	7586	0.35	1175	20910	7319	0.35	1249	20400	7140	0.35	1283	19550	6843	0.35	1337
75	75	22780	5239	0.23	1229	21930	5044	0.23	1296	21420	4927	0.23	1337	20740	4770	0.23	1404
77	64	19975	12584	0.63	1080	19125	12049	0.63	1134	18360	11567	0.63	1188	17680	11138	0.63	1242
77	68	20825	10621	0.51	1134	19975	10187	0.51	1202	19380	9884	0.51	1229	18700	9537	0.51	1283
77	72	21675	8453	0.39	1175	20910	8155	0.39	1249	20400	7956	0.39	1283	19550	7625	0.39	1337
77	75	22780	6151	0.27	1229	21930	5921	0.27	1296	21420	5783	0.27	1337	20740	5600	0.27	1404
79	64	19975	13383	0.67	1080	19125	12814	0.67	1134	18360	12301	0.67	1188	17680	11846	0.67	1242
79	68	20825	11454	0.55	1134	19975	10986	0.55	1202	19380	10659	0.55	1229	18700	10285	0.55	1283
79	72	21675	9320	0.43	1175	20910	8991	0.43	1249	20400	8772	0.43	1283	19550	8407	0.43	1337
79	75	22780	7062	0.31	1229	21930	6798	0.31	1296	21420	6640	0.31	1337	20740	6429	0.31	1404
79	79	23460	4457	0.19	1296	22780	4328	0.19	1364	22440	4264	0.19	1404	21760	4134	0.19	1445
81	64	19975	14182	0.71	1080	19125	13579	0.71	1134	18360	13036	0.71	1188	17680	12553	0.71	1242
81	68	20825	12287	0.59	1134	19975	11785	0.59	1202	19380	11434	0.59	1229	18700	11033	0.59	1283
81	72	21675	10187	0.47	1175	20910	9828	0.47	1249	20400	9588	0.47	1283	19550	9189	0.47	1337
81	75	22780	7973	0.35	1229	21930	7676	0.35	1296	21420	7497	0.35	1337	20740	7259	0.35	1404
81	79	23460	5396	0.23	1296	22780	5239	0.23	1364	22440	5161	0.23	1404	21760	5005	0.23	1445
82	64	19975	14981	0.75	1080	19125	14344	0.75	1134	18360	13770	0.75	1188	17680	13260	0.75	1242
82	68	20825	13120	0.63	1134	19975	12584	0.63	1202	19380	12209	0.63	1229	18700	11781	0.63	1283
82	72	21675	11054	0.51	1175	20910	10664	0.51	1249	20400	10404	0.51	1283	19550	9971	0.51	1337
82	75	22780	8884	0.39	1229	21930	8553	0.39	1296	21420	8354	0.39	1337	20740	8089	0.39	1404
82	79	23460	6334	0.27	1296	22780	6151	0.27	1364	22440	6059	0.27	1404	21760	5875	0.27	1445
84	64	19975	15780	0.79	1080	19125	15109	0.79	1134	18360	14504	0.79	1188	17680	13967	0.79	1242
84	68	20825	13953	0.67	1134	19975	13383	0.67	1202	19380	12985	0.67	1229	18700	12529	0.67	1283
84	72	21675	11921	0.55	1175	20910	11501	0.55	1249	20400	11220	0.55	1283	19550	10753	0.55	1337
84	75	22780	9795	0.43	1229	21930	9430	0.43	1296	21420	9211	0.43	1337	20740	8918	0.43	1404
84	79	23460	7273	0.31	1296	22780	7062	0.31	1364	22440	6956	0.31	1404	21760	6746	0.31	1445
86	64	19975	16579	0.83	1080	19125	15874	0.83	1134	18360	15239	0.83	1188	17680	14674	0.83	1242
86	68	20825	14786	0.71	1134	19975	14182	0.71	1202	19380	13760	0.71	1229	18700	13277	0.71	1283
86	72	21675	12788	0.59	1175	20910	12337	0.59	1249	20400	12036	0.59	1283	19550	11535	0.59	1337
86	75	22780	10707	0.47	1229	21930	10307	0.47	1296	21420	10067	0.47	1337	20740	9748	0.47	1404
86	79	23460	8211	0.35	1296	22780	7973	0.35	1364	22440	7854	0.35	1404	21760	7616	0.35	1445
88	64	19975	17378	0.87	1080	19125	16639	0.87	1134	18360	15973	0.87	1188	17680	15382	0.87	1242
88	68	20825	15619	0.75	1134	19975	14981	0.75	1202	19380	14535	0.75	1229	18700	14025	0.75	1283
88	72	21675	13655	0.63	1175	20910	13173	0.63	1249	20400	12852	0.63	1283	19550	12317	0.63	1337
88	75	22780	11618	0.51	1229	21930	11184	0.51	1296	21420	10924	0.51	1337	20740	10577	0.51	1404
88	79	23460	9149	0.39	1296	22780	8884	0.39	1364	22440	8752	0.39	1404	21760	8486	0.39	1445
90	64	19975	18177	0.91	1080	19125	17404	0.91	1134	18360	16708	0.91	1188	17680	16089	0.91	1242
90	68	20825	16452	0.79	1134	19975	15780	0.79	1202	19380	15310	0.79	1229	18700	14773	0.79	1283
90	72	21675	14522	0.67	1175	20910	14010	0.67	1249	20400	13668	0.67	1283	19550	13099	0.67	1337
90	75	22780	12529	0.55	1229	21930	12062	0.55	1296	21420	11781	0.55	1337	20740	11407	0.55	1404
90	79	23460	10088	0.43	1296	22780	9795	0.43	1364	22440	9649	0.43	1404	21760	9357	0.43	1445

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

MUFZ-KJ18NAHZ

CAPACITY (Btu/h): 17000 INPUT (W): 1350 SHF: 0.65

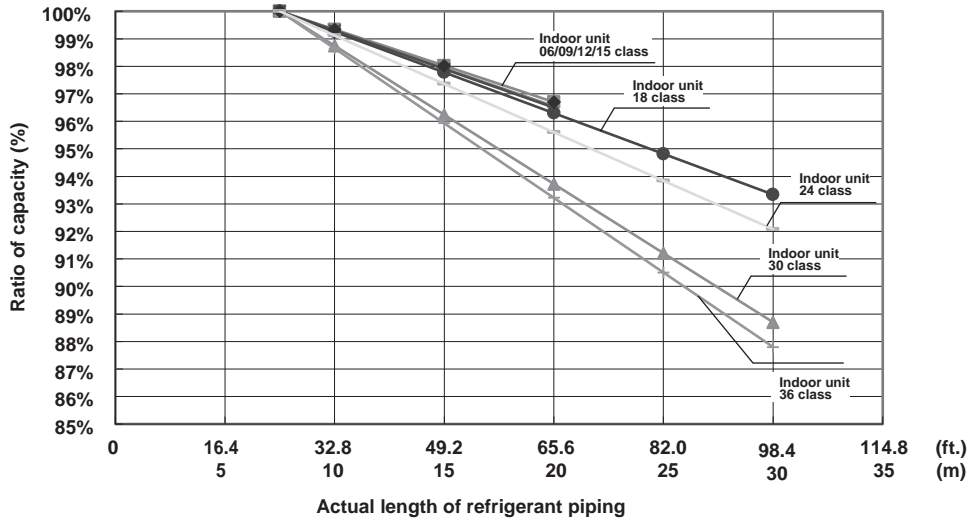
INDOOR DB (°F)	INDOOR WB (°F)	OUTDOOR DB (°F)											
		95				104				115			
		CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.	CA	SHC	SHF	P.C.
70	64	16660	7830	0.47	1323	15300	7191	0.47	1404	14110	6632	0.47	1458
70	68	17510	6129	0.35	1377	16320	5712	0.35	1445	15130	5296	0.35	1526
72	64	16660	8497	0.51	1323	15300	7803	0.51	1404	14110	7196	0.51	1458
72	68	17510	6829	0.39	1377	16320	6365	0.39	1445	15130	5901	0.39	1526
72	72	18530	5003	0.27	1431	17340	4682	0.27	1512	16150	4361	0.27	1566
73	64	16660	9163	0.55	1323	15300	8415	0.55	1404	14110	7761	0.55	1458
73	68	17510	7529	0.43	1377	16320	7018	0.43	1445	15130	6506	0.43	1526
73	72	18530	5744	0.31	1431	17340	5375	0.31	1512	16150	5007	0.31	1566
75	64	16660	9829	0.59	1323	15300	9027	0.59	1404	14110	8325	0.59	1458
75	68	17510	8230	0.47	1377	16320	7670	0.47	1445	15130	7111	0.47	1526
75	72	18530	6486	0.35	1431	17340	6069	0.35	1512	16150	5653	0.35	1566
75	75	19550	4497	0.23	1485	18360	4223	0.23	1553	17340	3988	0.23	1620
77	64	16660	10496	0.63	1323	15300	9639	0.63	1404	14110	8889	0.63	1458
77	68	17510	8930	0.51	1377	16320	8323	0.51	1445	15130	7716	0.51	1526
77	72	18530	7227	0.39	1431	17340	6763	0.39	1512	16150	6299	0.39	1566
77	75	19550	5279	0.27	1485	18360	4957	0.27	1553	17340	4682	0.27	1620
79	64	16660	11162	0.67	1323	15300	10251	0.67	1404	14110	9454	0.67	1458
79	68	17510	9631	0.55	1377	16320	8976	0.55	1445	15130	8322	0.55	1526
79	72	18530	7968	0.43	1431	17340	7456	0.43	1512	16150	6945	0.43	1566
79	75	19550	6061	0.31	1485	18360	5692	0.31	1553	17340	5375	0.31	1620
79	79	20570	3908	0.19	1539	19380	3682	0.19	1607	18190	3456	0.19	1674
81	64	16660	11829	0.71	1323	15300	10863	0.71	1404	14110	10018	0.71	1458
81	68	17510	10331	0.59	1377	16320	9629	0.59	1445	15130	8927	0.59	1526
81	72	18530	8709	0.47	1431	17340	8150	0.47	1512	16150	7591	0.47	1566
81	75	19550	6843	0.35	1485	18360	6426	0.35	1553	17340	6069	0.35	1620
81	79	20570	4731	0.23	1539	19380	4457	0.23	1607	18190	4184	0.23	1674
82	64	16660	12495	0.75	1323	15300	11475	0.75	1404	14110	10583	0.75	1458
82	68	17510	11031	0.63	1377	16320	10282	0.63	1445	15130	9532	0.63	1526
82	72	18530	9450	0.51	1431	17340	8843	0.51	1512	16150	8237	0.51	1566
82	75	19550	7625	0.39	1485	18360	7160	0.39	1553	17340	6763	0.39	1620
82	79	20570	5554	0.27	1539	19380	5233	0.27	1607	18190	4911	0.27	1674
84	64	16660	13161	0.79	1323	15300	12087	0.79	1404	14110	11147	0.79	1458
84	68	17510	11732	0.67	1377	16320	10934	0.67	1445	15130	10137	0.67	1526
84	72	18530	10192	0.55	1431	17340	9537	0.55	1512	16150	8883	0.55	1566
84	75	19550	8407	0.43	1485	18360	7895	0.43	1553	17340	7456	0.43	1620
84	79	20570	6377	0.31	1539	19380	6008	0.31	1607	18190	5639	0.31	1674
86	64	16660	13828	0.83	1323	15300	12699	0.83	1404	14110	11711	0.83	1458
86	68	17510	12432	0.71	1377	16320	11587	0.71	1445	15130	10742	0.71	1526
86	72	18530	10933	0.59	1431	17340	10231	0.59	1512	16150	9529	0.59	1566
86	75	19550	9189	0.47	1485	18360	8629	0.47	1553	17340	8150	0.47	1620
86	79	20570	7200	0.35	1539	19380	6783	0.35	1607	18190	6367	0.35	1674
88	64	16660	14494	0.87	1323	15300	13311	0.87	1404	14110	12276	0.87	1458
88	68	17510	13133	0.75	1377	16320	12240	0.75	1445	15130	11348	0.75	1526
88	72	18530	11674	0.63	1431	17340	10924	0.63	1512	16150	10175	0.63	1566
88	75	19550	9971	0.51	1485	18360	9364	0.51	1553	17340	8843	0.51	1620
88	79	20570	8022	0.39	1539	19380	7558	0.39	1607	18190	7094	0.39	1674
90	64	16660	15161	0.91	1323	15300	13923	0.91	1404	14110	12840	0.91	1458
90	68	17510	13833	0.79	1377	16320	12893	0.79	1445	15130	11953	0.79	1526
90	72	18530	12415	0.67	1431	17340	11618	0.67	1512	16150	10821	0.67	1566
90	75	19550	10753	0.55	1485	18360	10098	0.55	1553	17340	9537	0.55	1620
90	79	20570	8845	0.43	1539	19380	8333	0.43	1607	18190	7822	0.43	1674

NOTE CA: Capacity (Btu/h) SHF: Sensible heat factor DB: Dry-bulb temperature
 SHC: Sensible heat capacity (Btu/h) P.C. : Power consumption (W) WB: Wet-bulb temperature

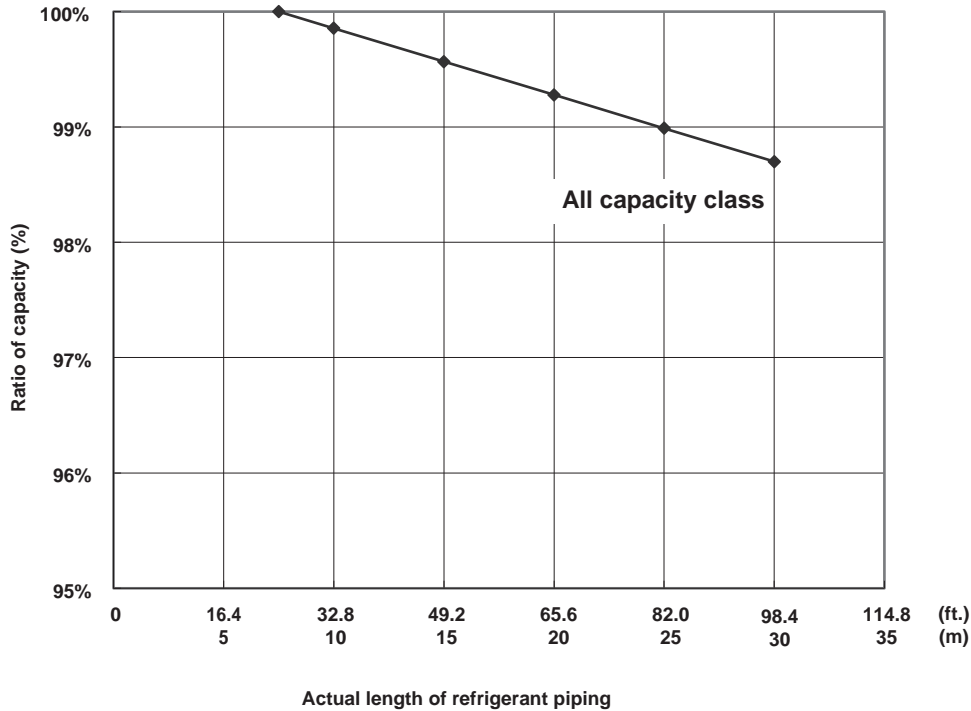
13 | CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

13-1. CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

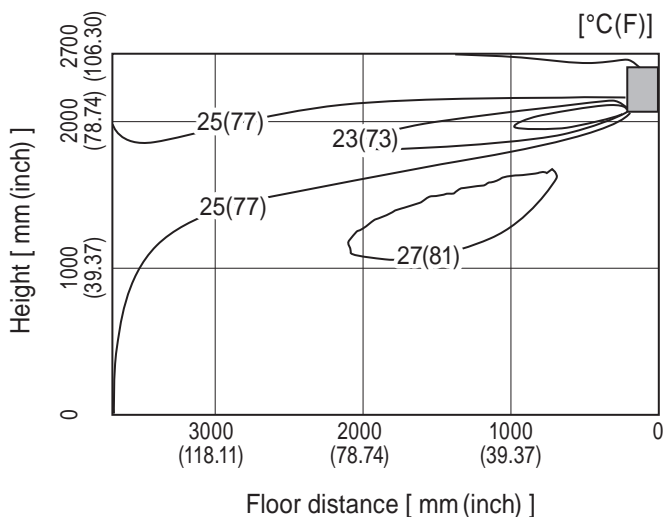
Length of refrigerant piping (ft.) + (Number of bends × 0.984 ft.) = Actual length of refrigerant piping (ft.)
 [Length of refrigerant piping (m) + (Number of bends × 0.3 m) = Actual length of refrigerant piping (m)]

14 | TEMPERATURE AND AIR FLOW DISTRIBUTIONS

MS-A09WA

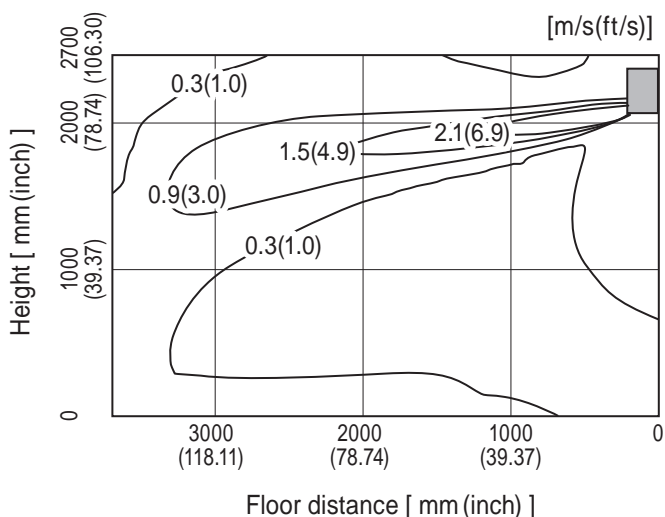
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)

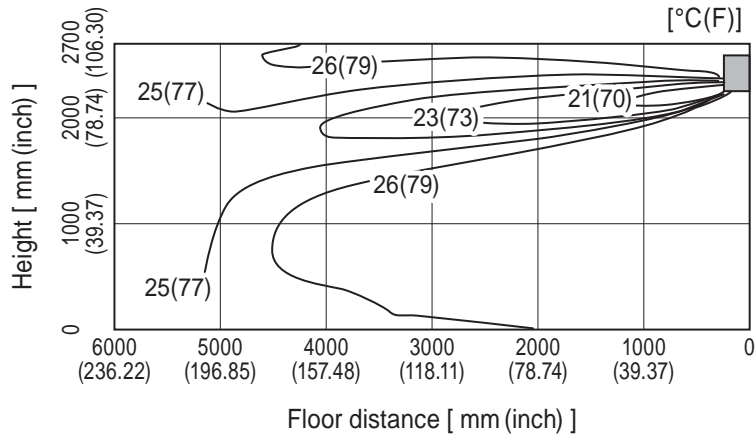


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MS-A12WA

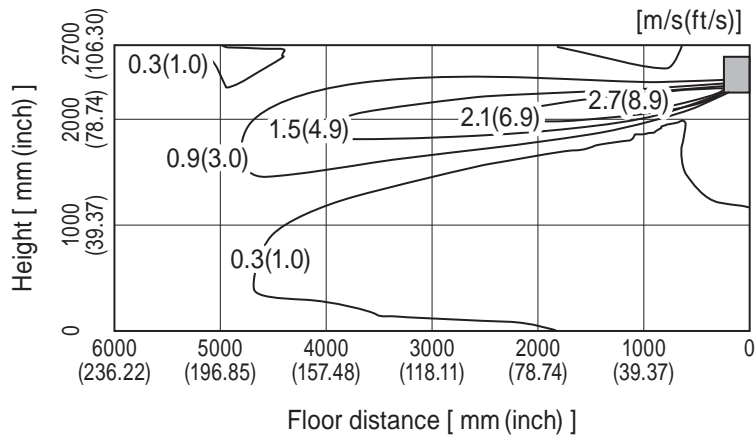
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)

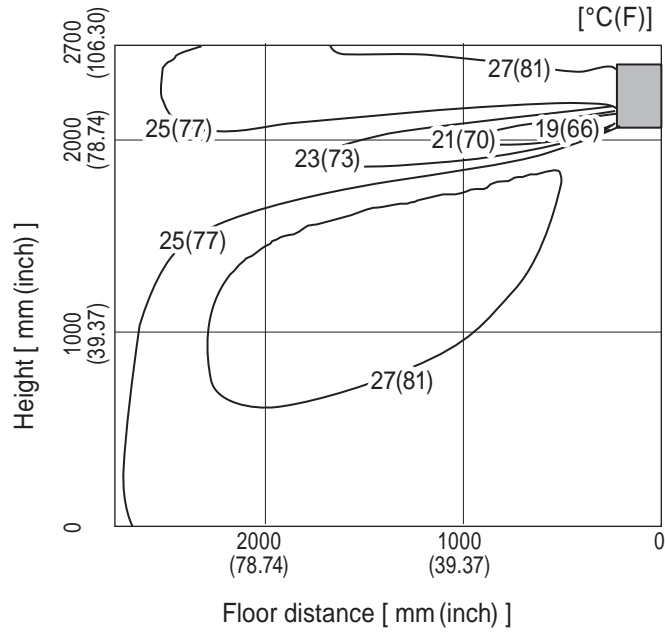


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

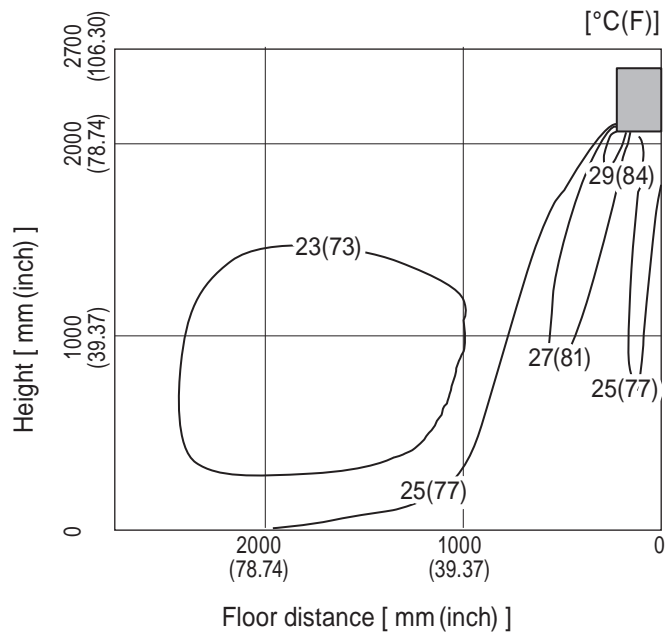
MSZ-GL06NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



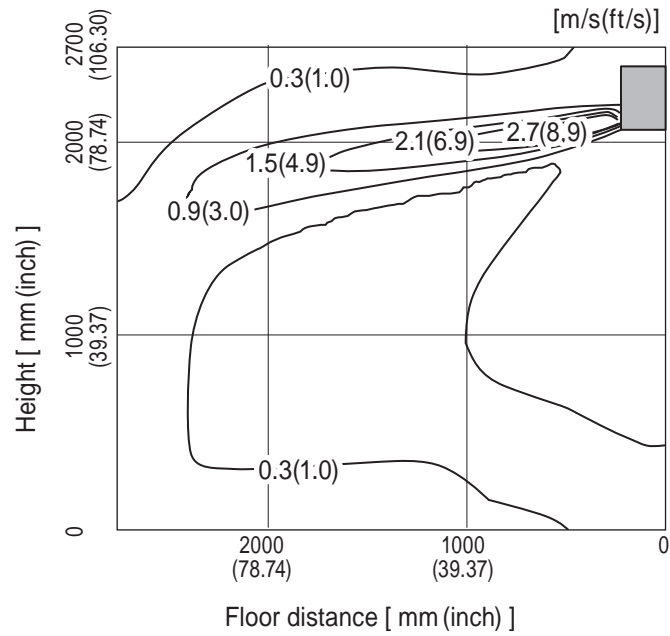
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-GL06NA

Airflow distribution

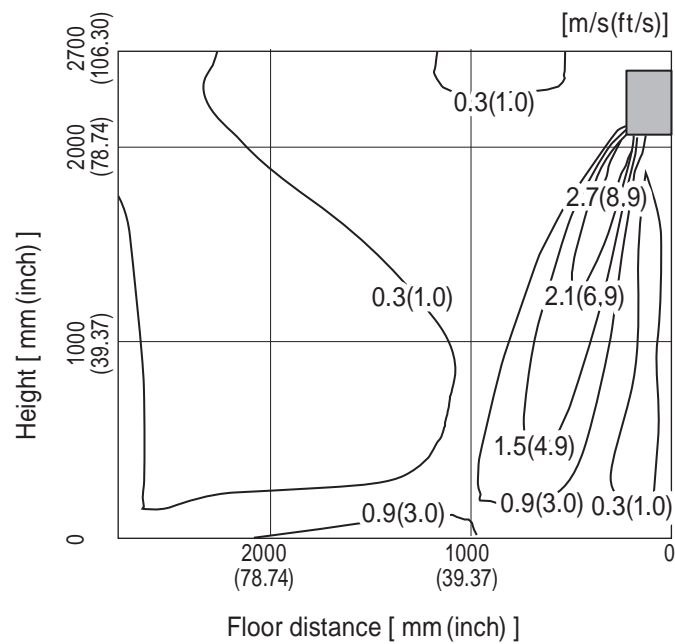
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

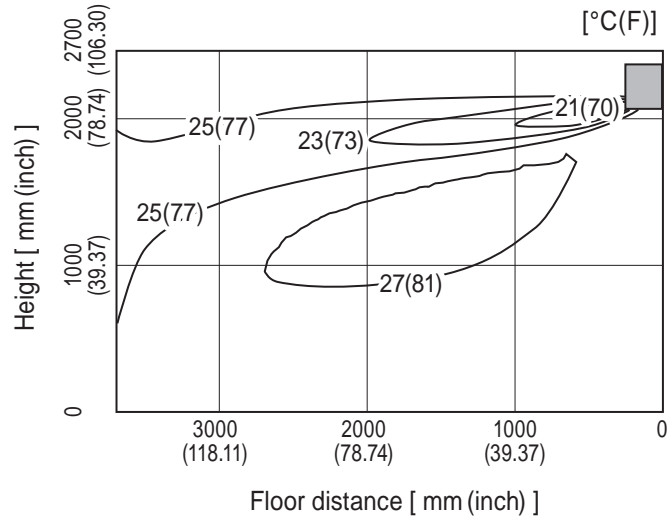


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

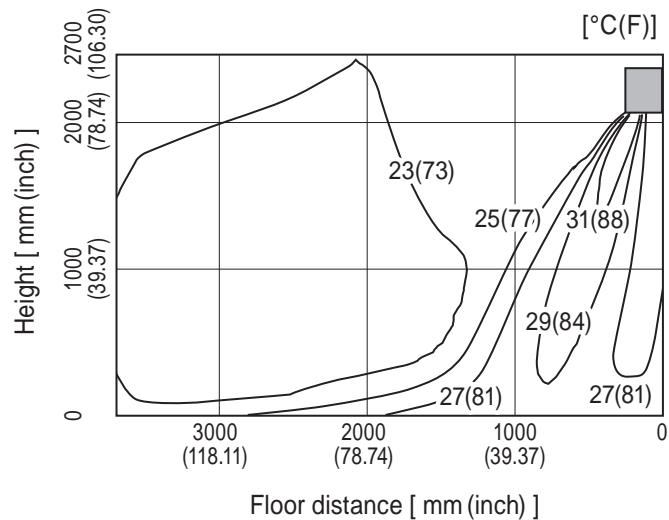
MSZ-GL09NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



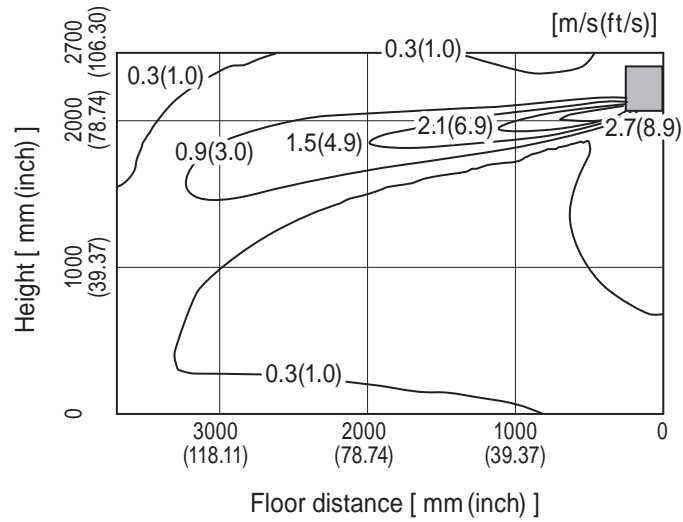
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-GL09NA

Airflow distribution

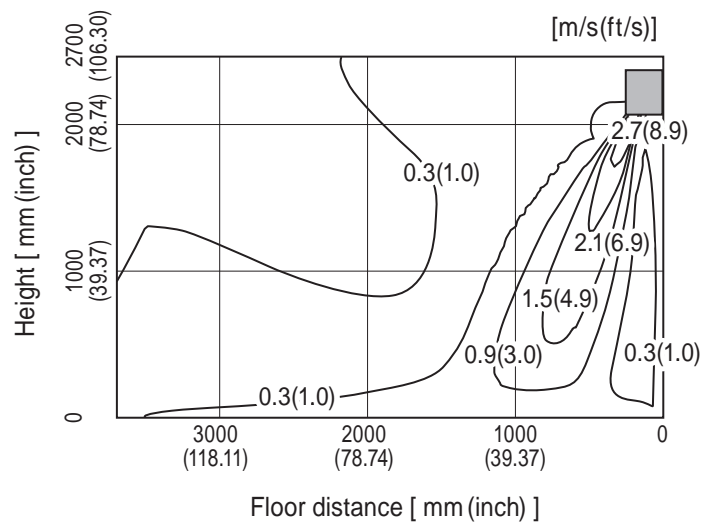
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

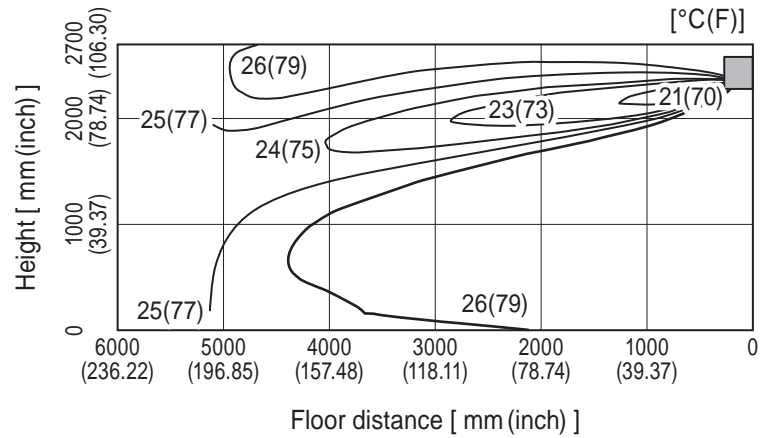


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

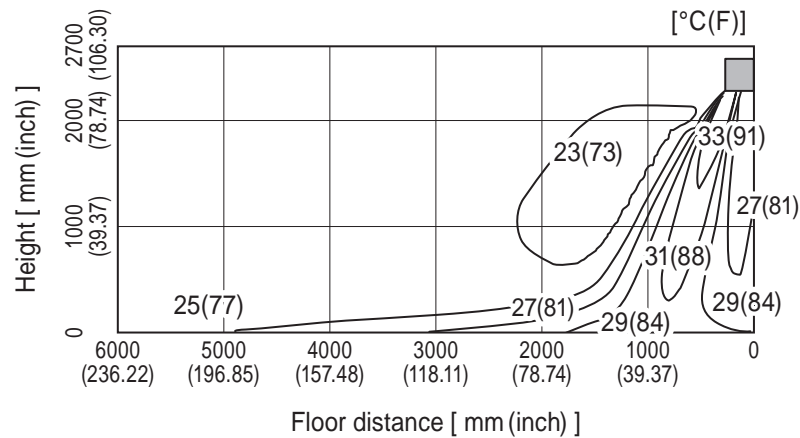
MSZ-GL12NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



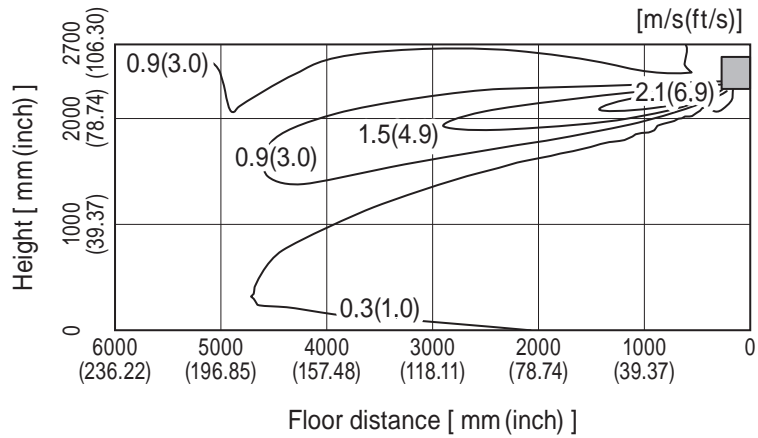
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-GL12NA

Airflow distribution

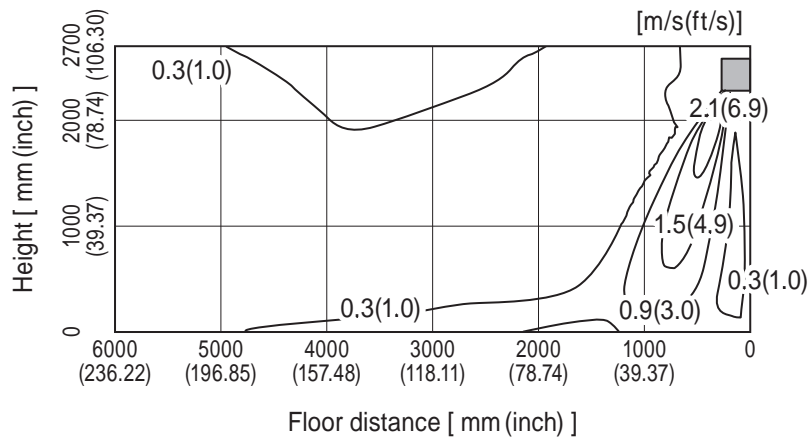
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

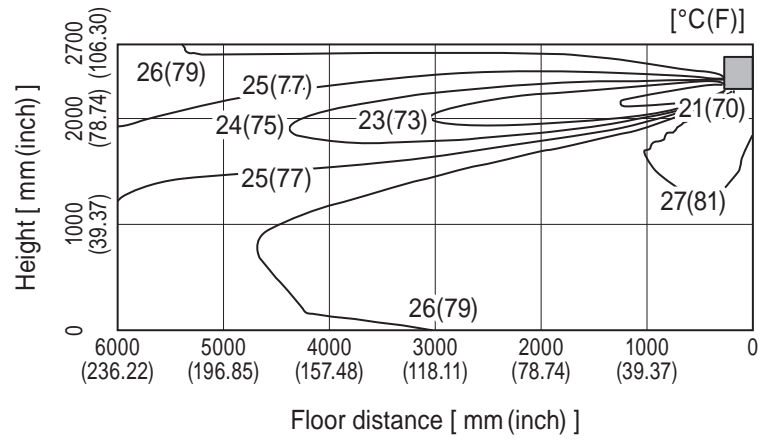


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

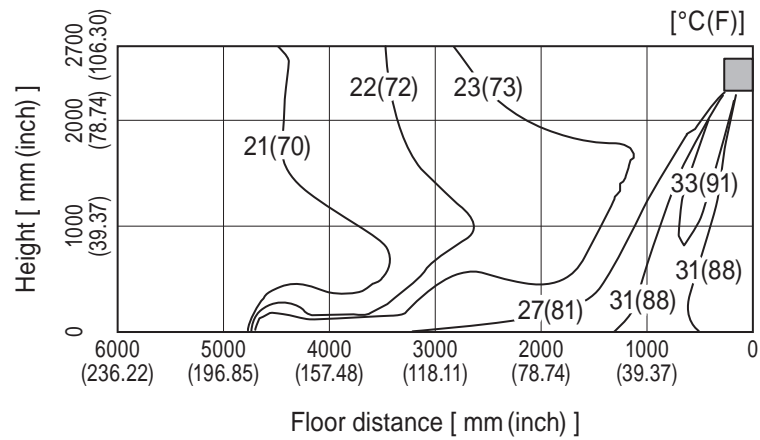
MSZ-GL15NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



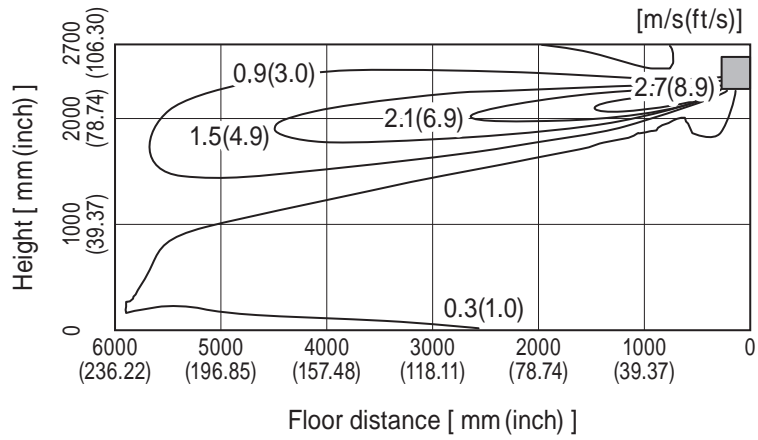
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-GL15NA

Airflow distribution

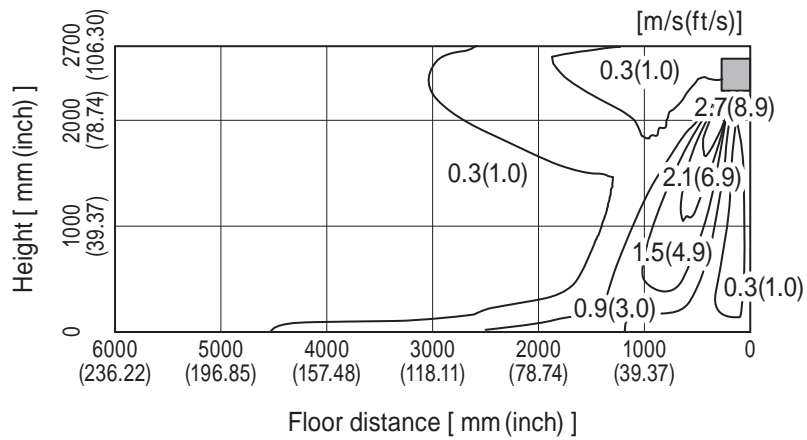
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

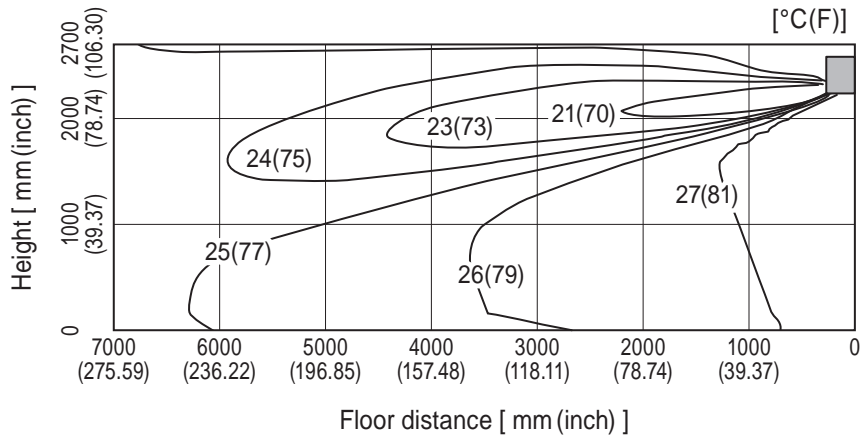


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

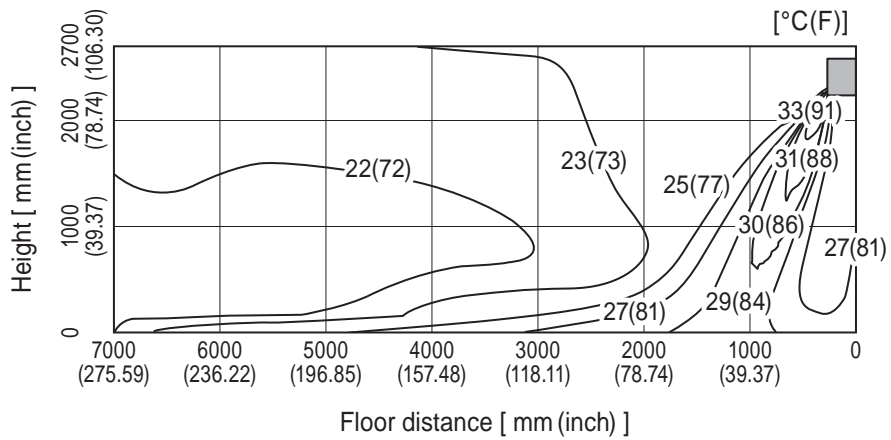
MSZ-GL18NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

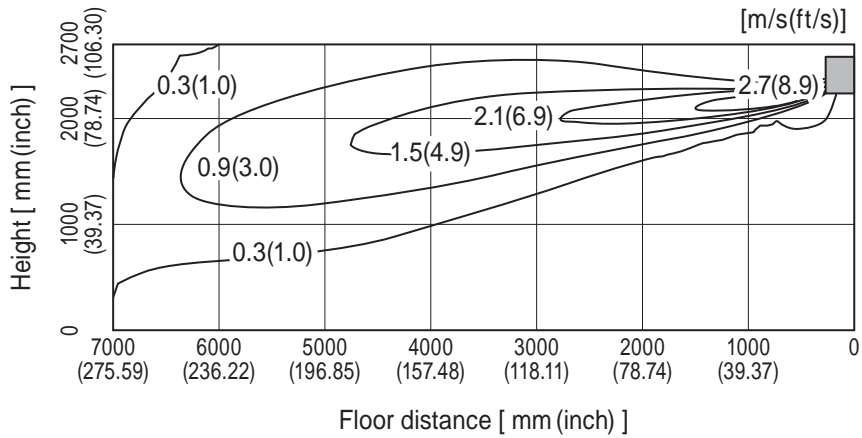


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

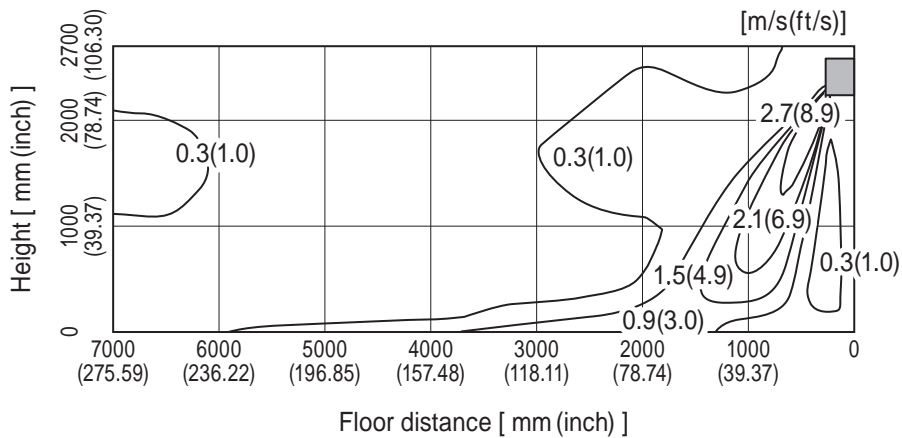
MSZ-GL18NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

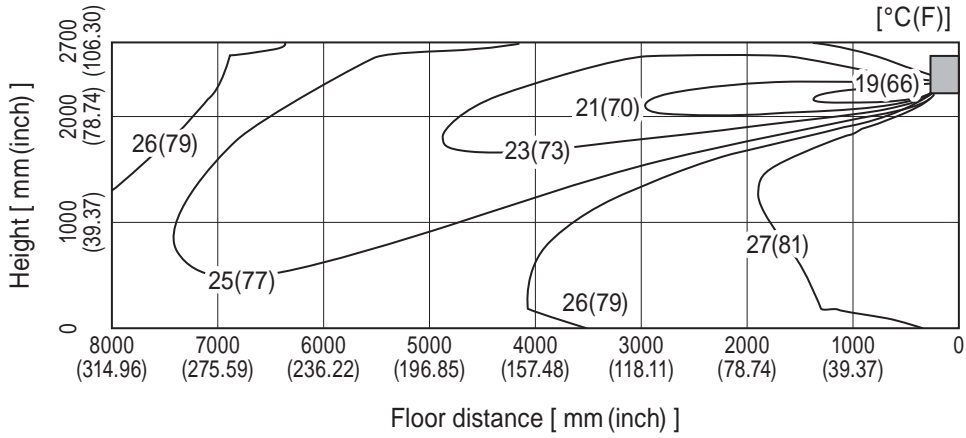


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

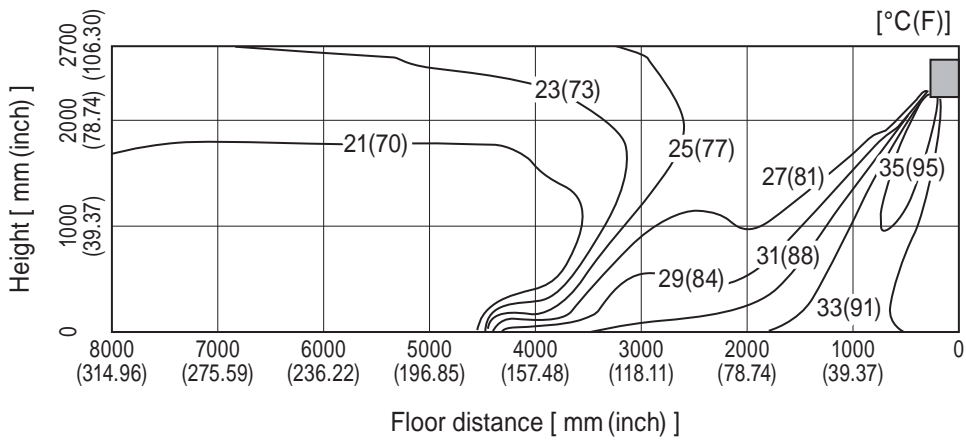
MSZ-GL24NA

Temperature distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: high
 Air direction: auto (downward air flow)

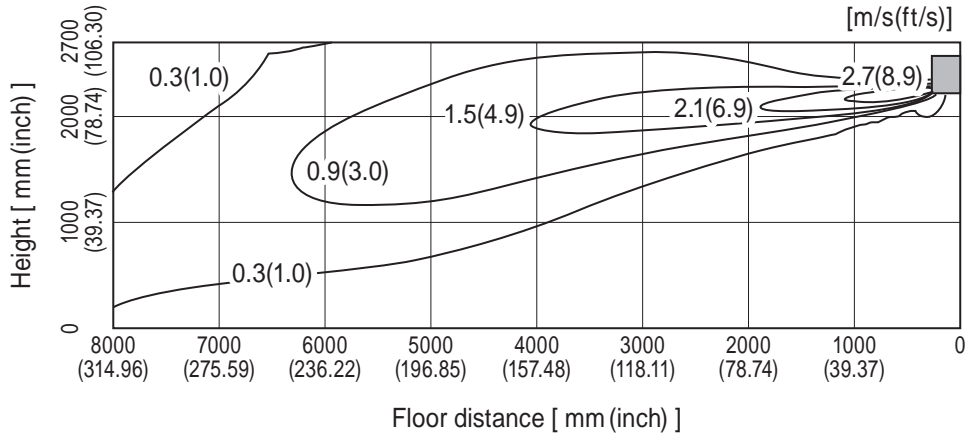


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

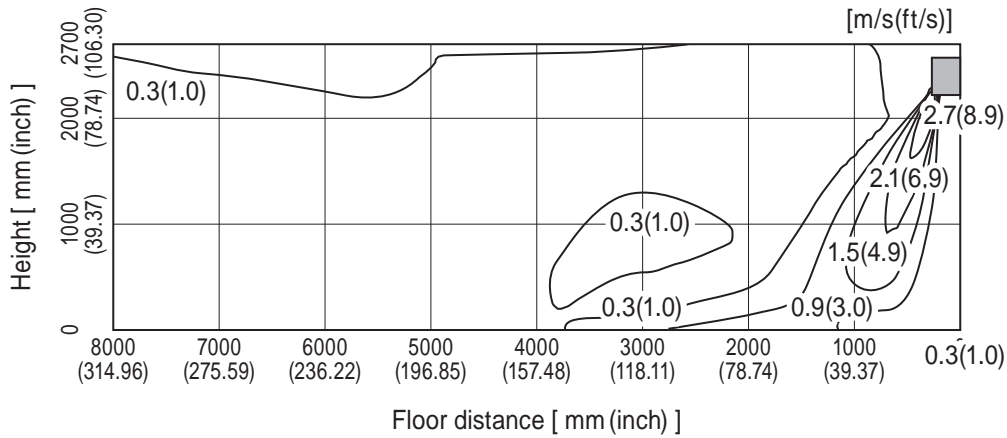
MSZ-GL24NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

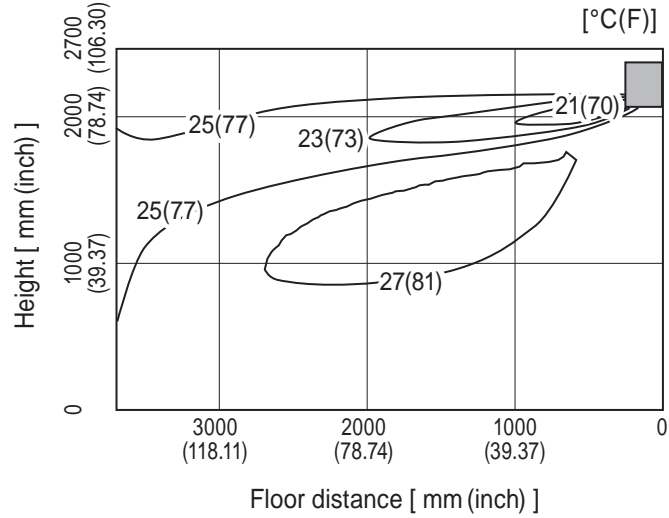


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-GL09NA

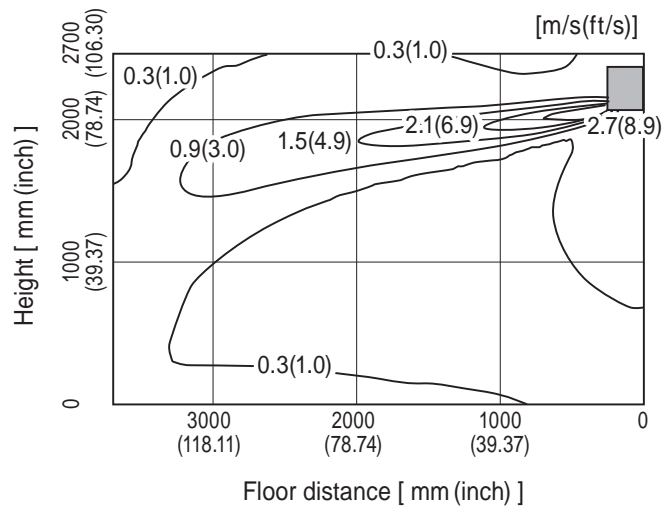
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)

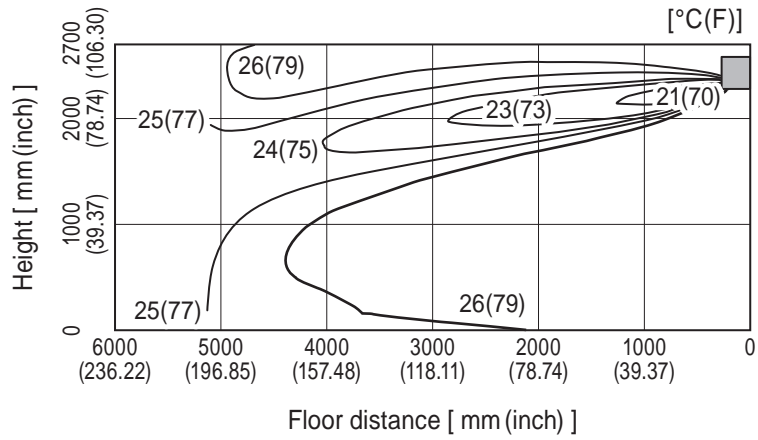


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-GL12NA

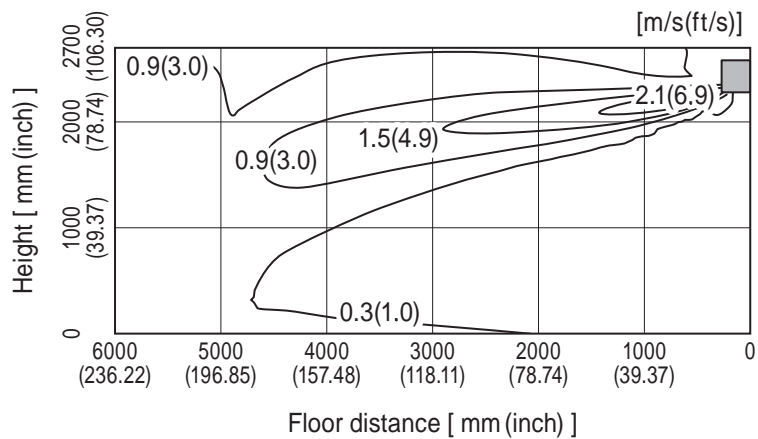
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)

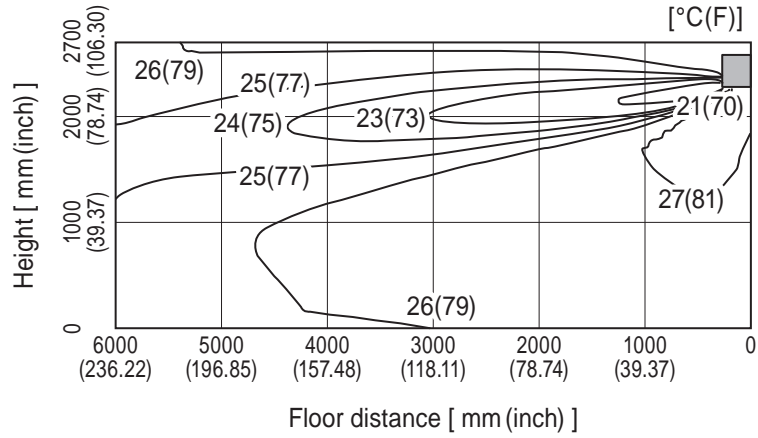


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-GL15NA

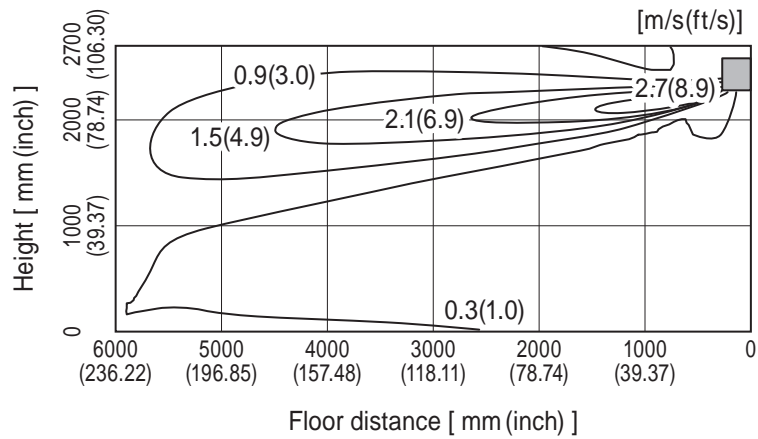
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)

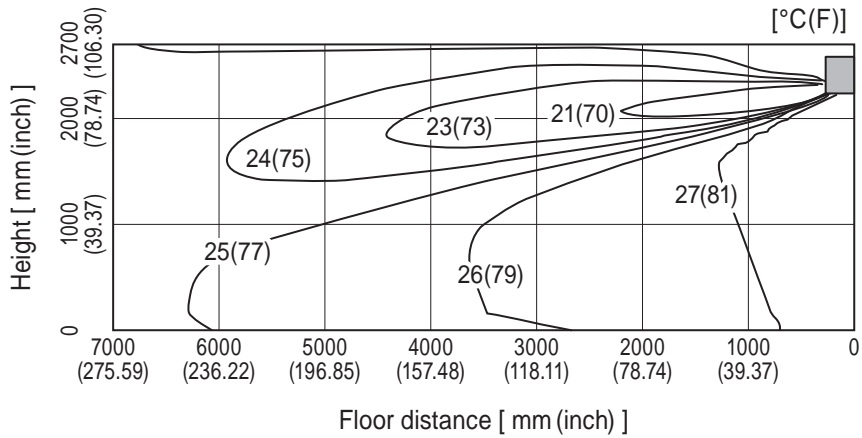


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-GL18NA

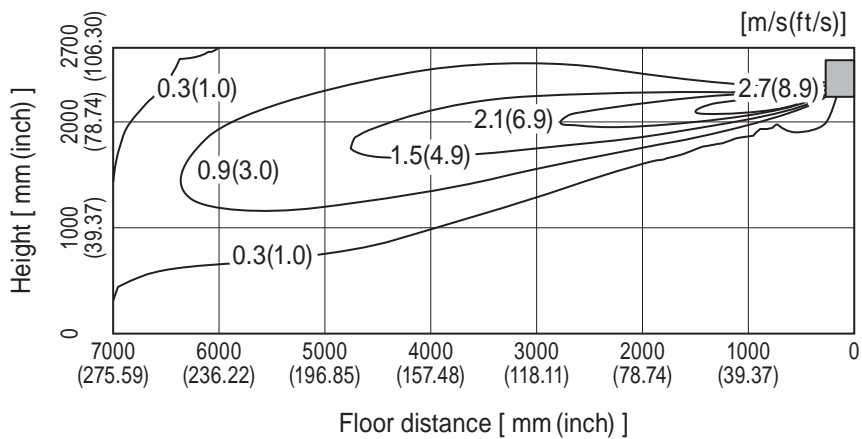
Temperature distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)

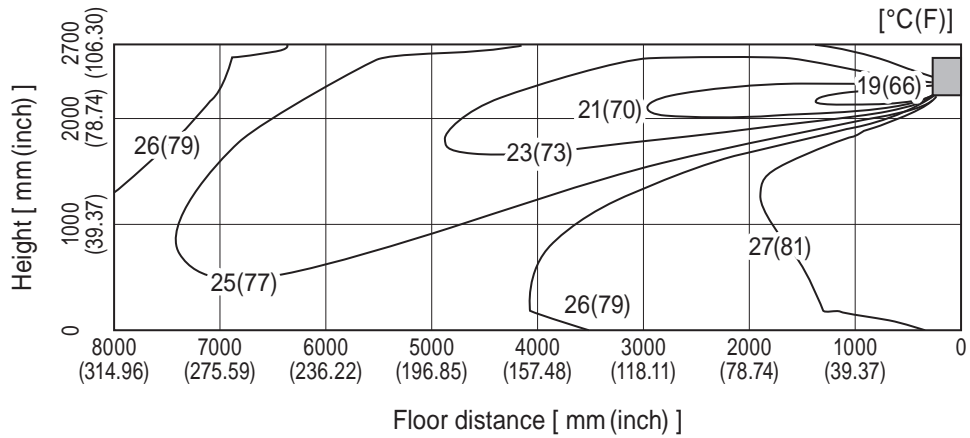


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-GL24NA

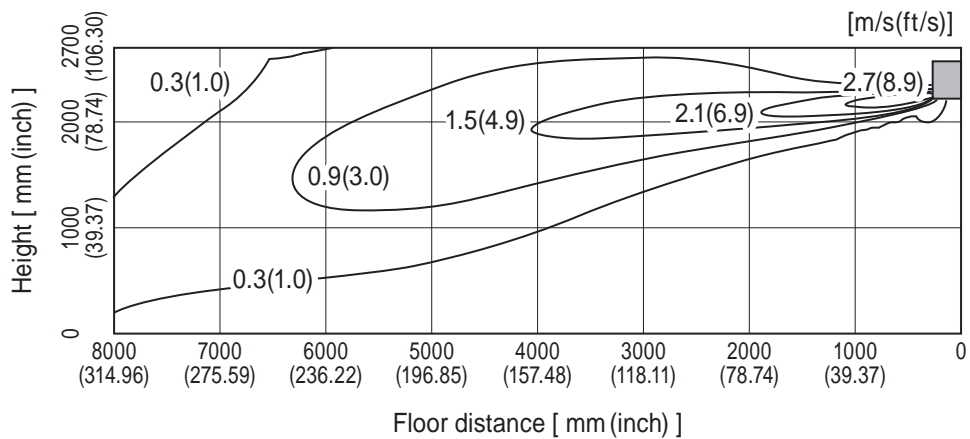
Temperature distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



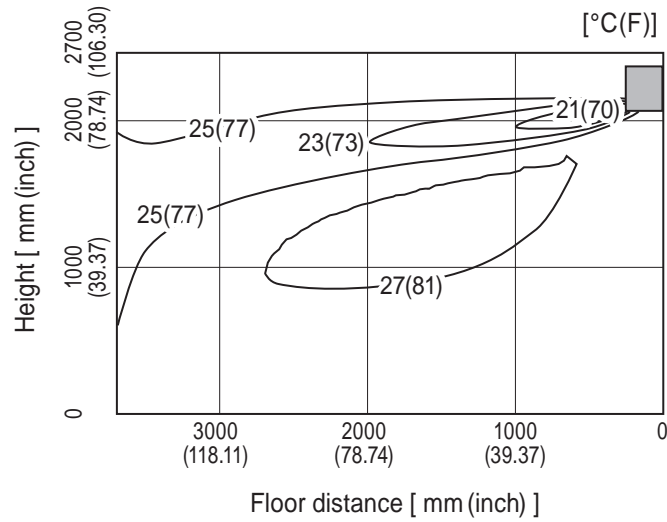
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-HM09NA

Temperature distribution

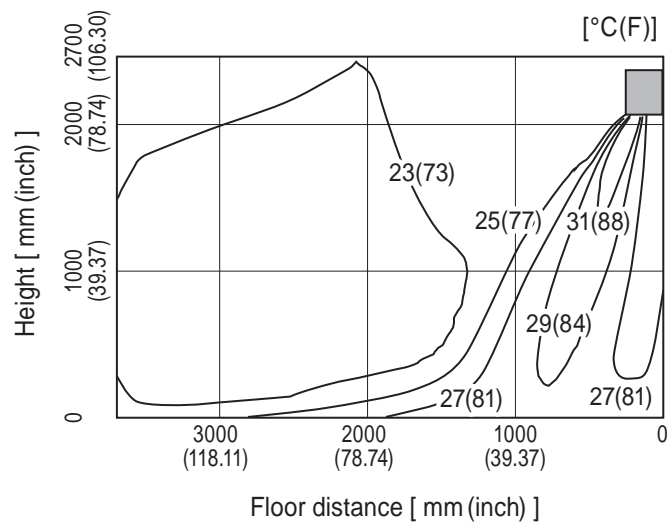
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

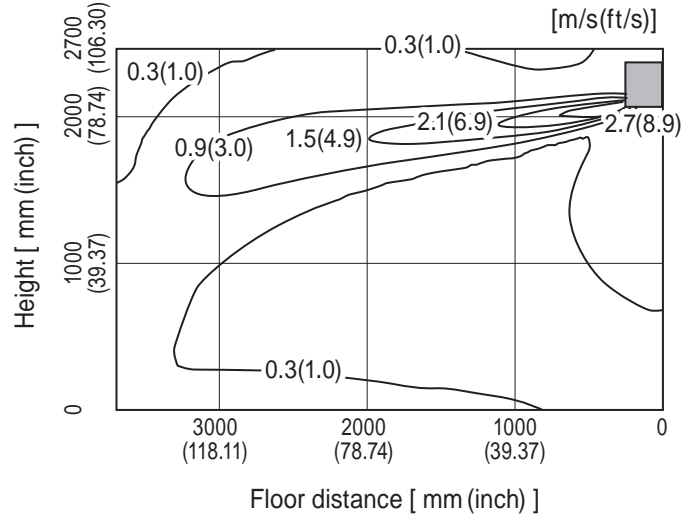


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

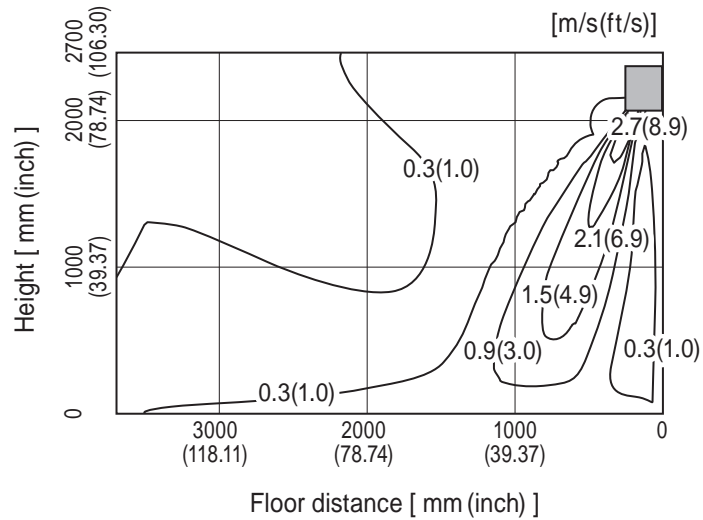
MSZ-HM09NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

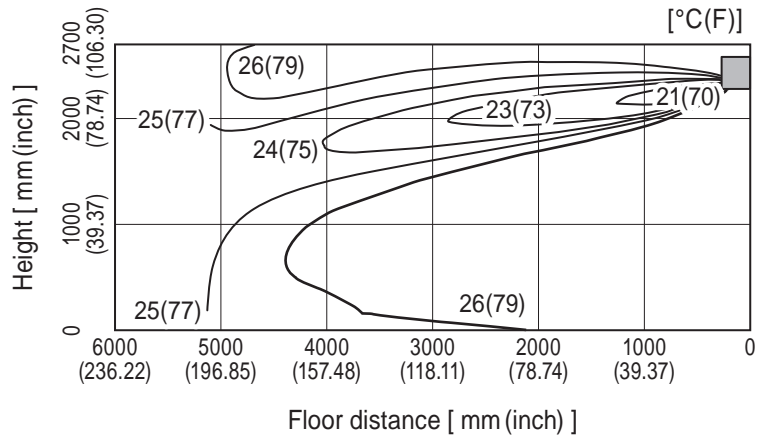


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

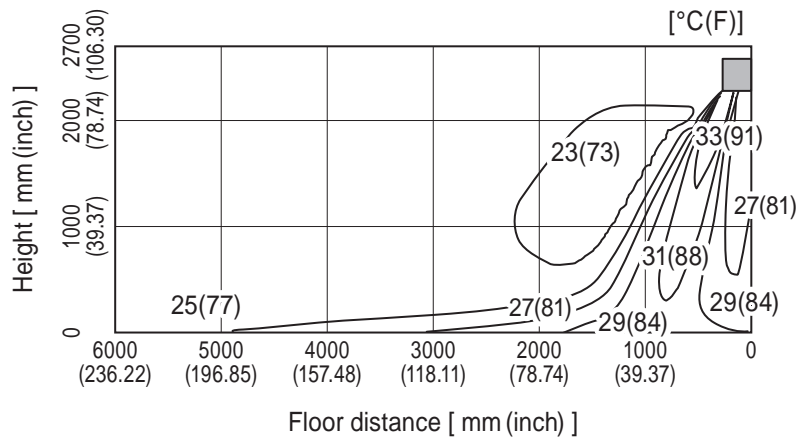
MSZ-HM12NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

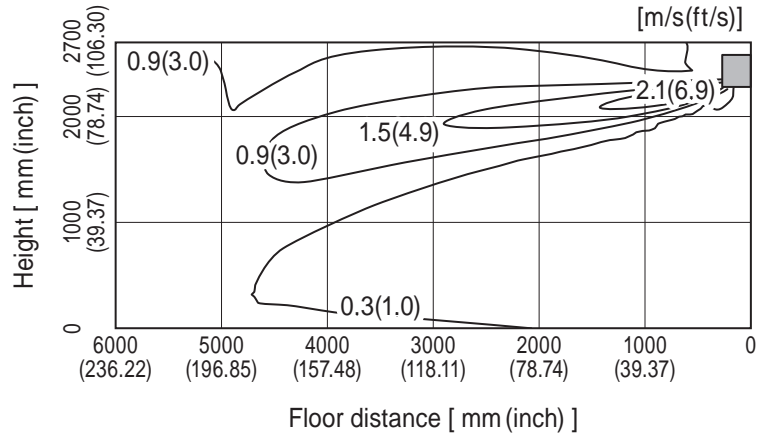


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

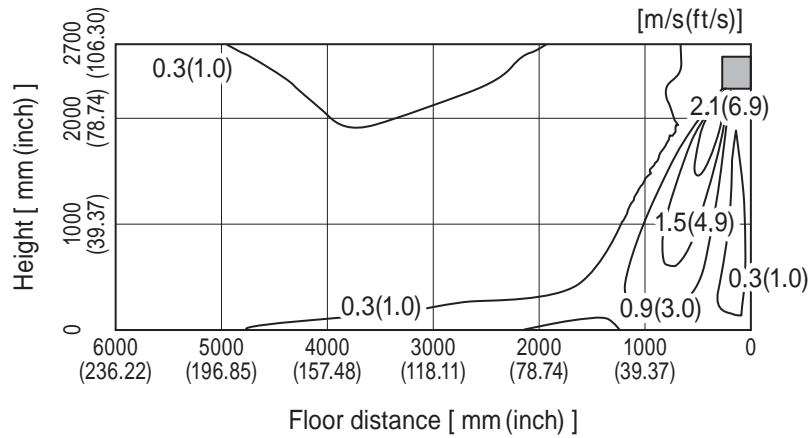
MSZ-HM12NA

Airflow distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: high
 Air direction: auto (downward air flow)

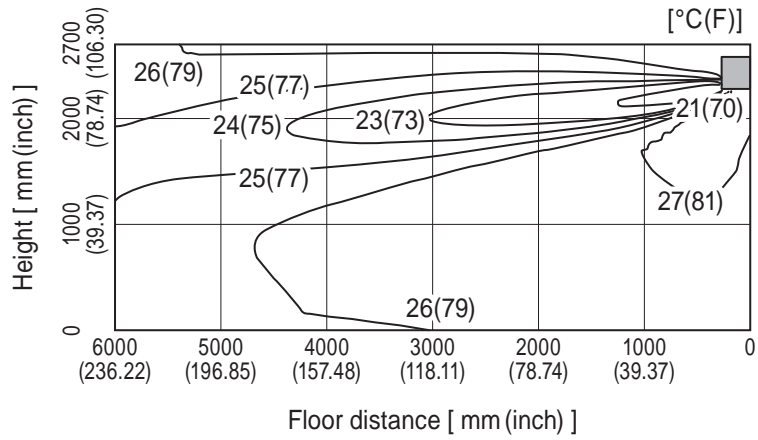


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

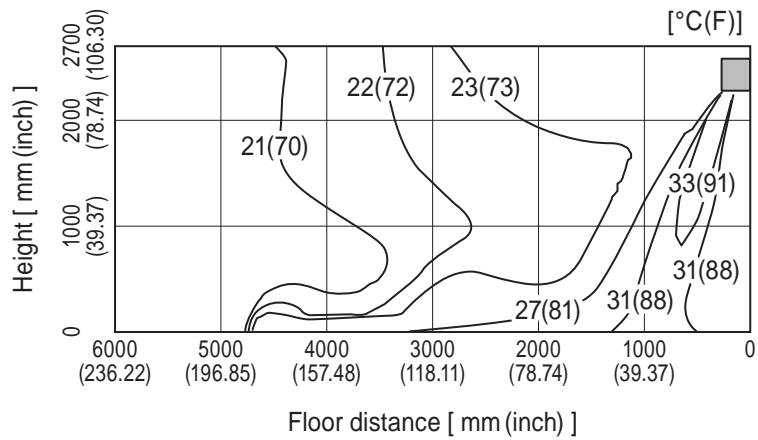
MSZ-HM15NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

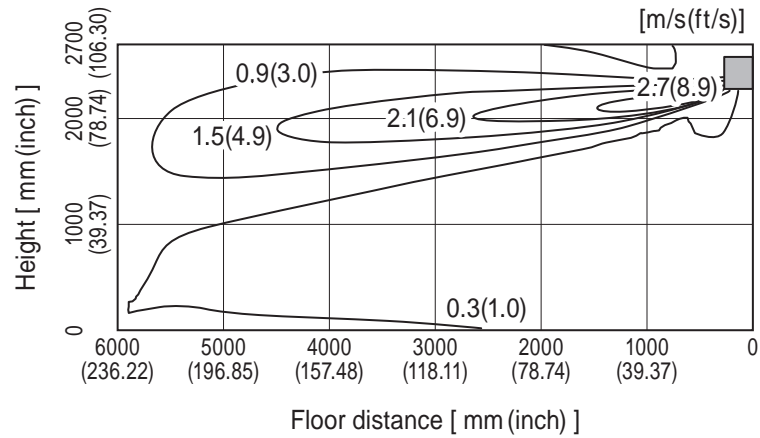


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

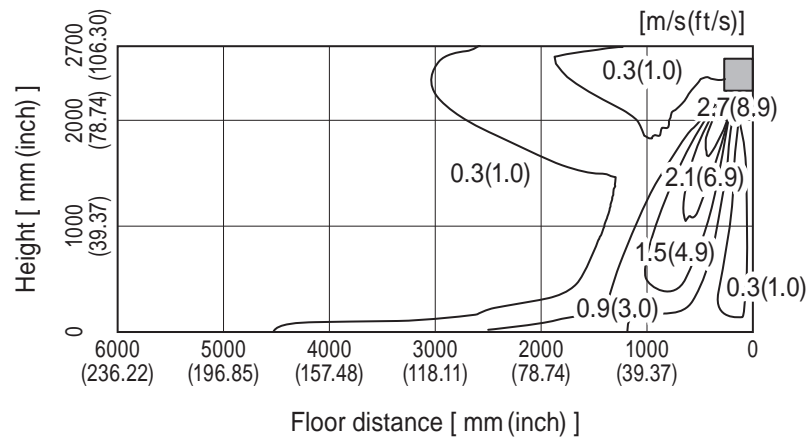
MSZ-HM15NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

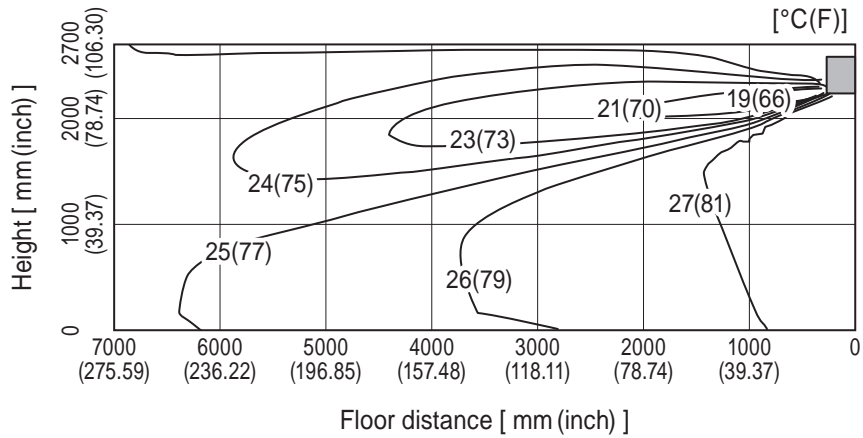


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

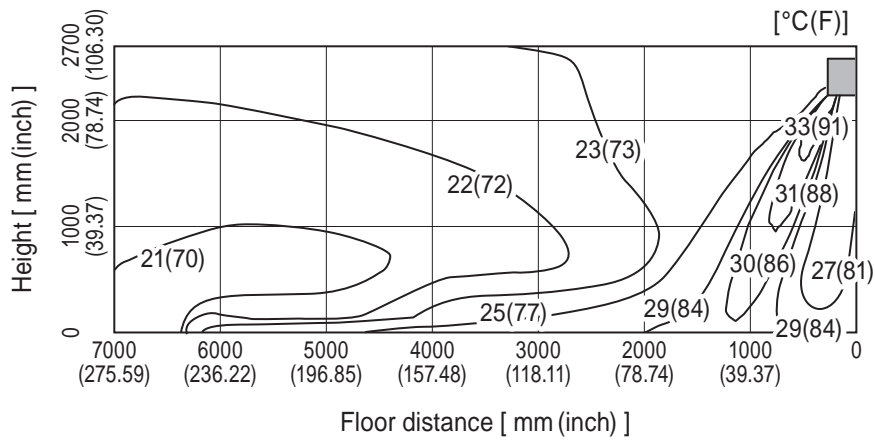
MSZ-HM18NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

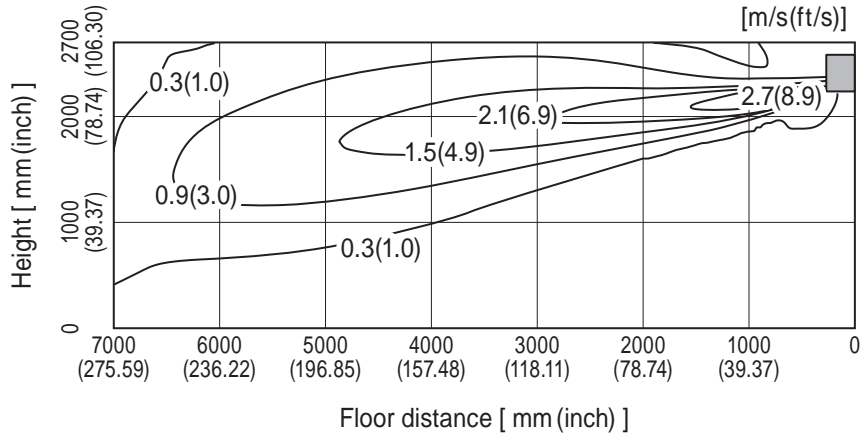


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

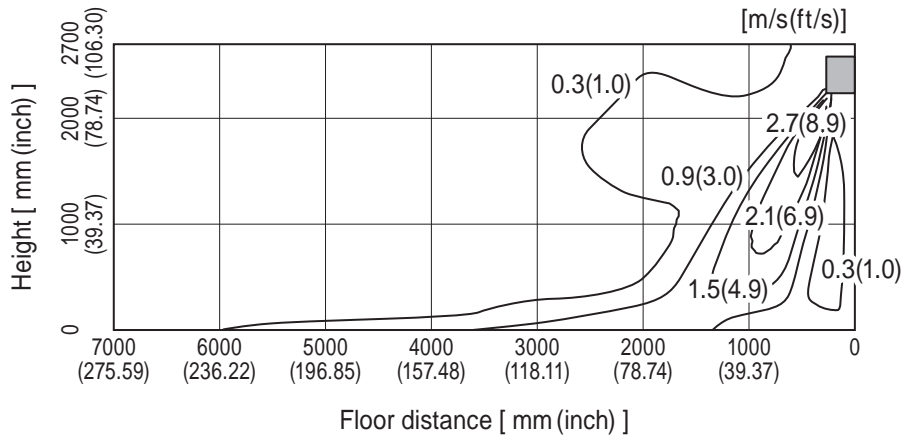
MSZ-HM18NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

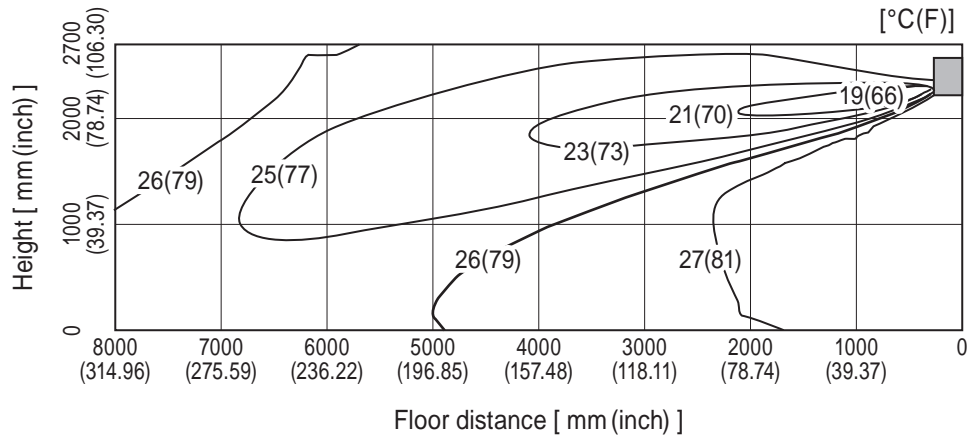


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

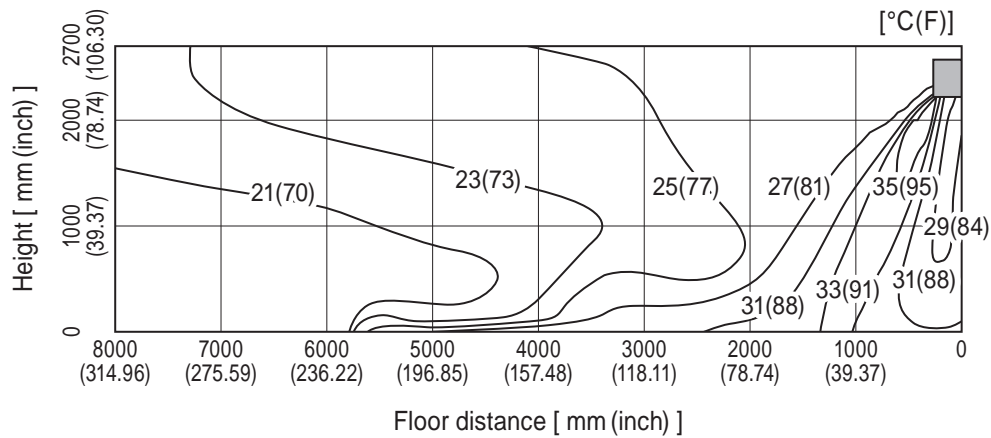
MSZ-HM24NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

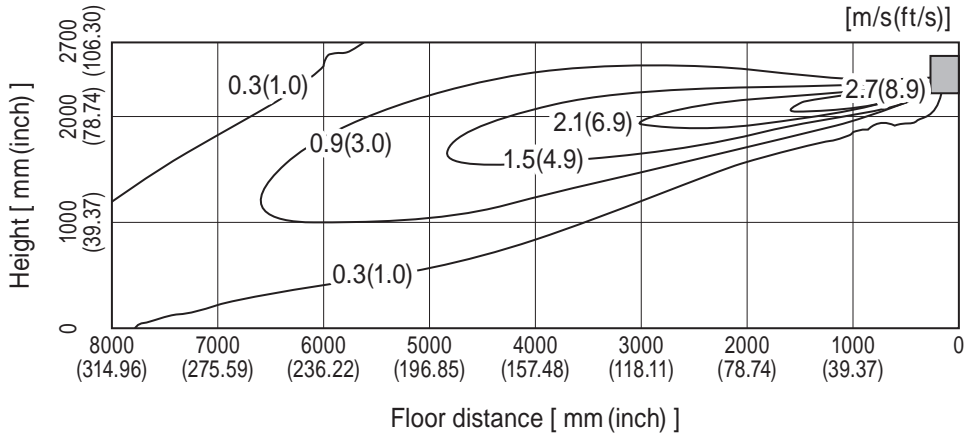


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

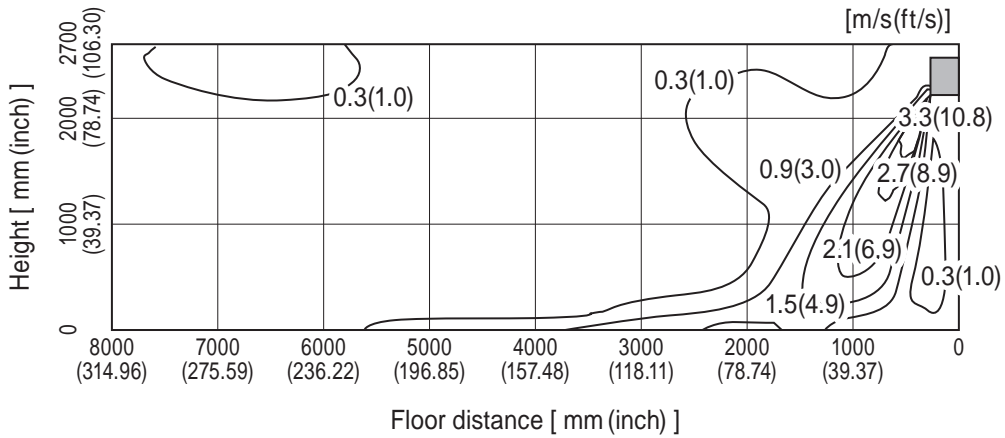
MSZ-HM24NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



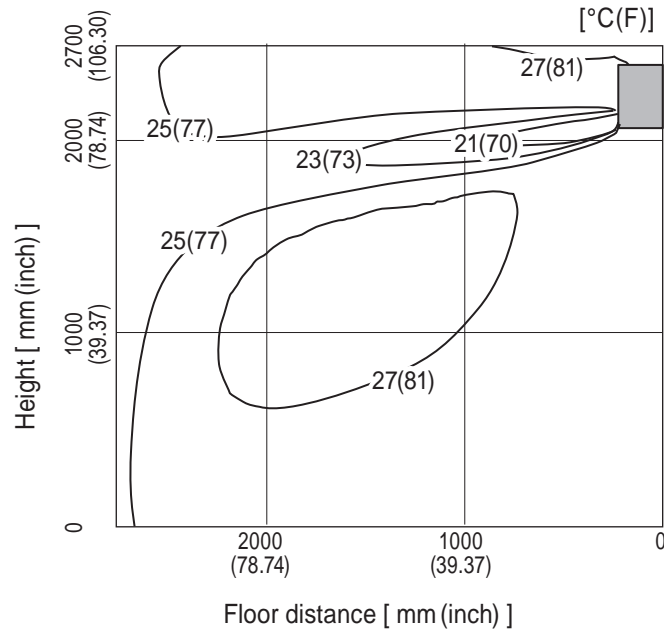
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FH06NA

Temperature distribution

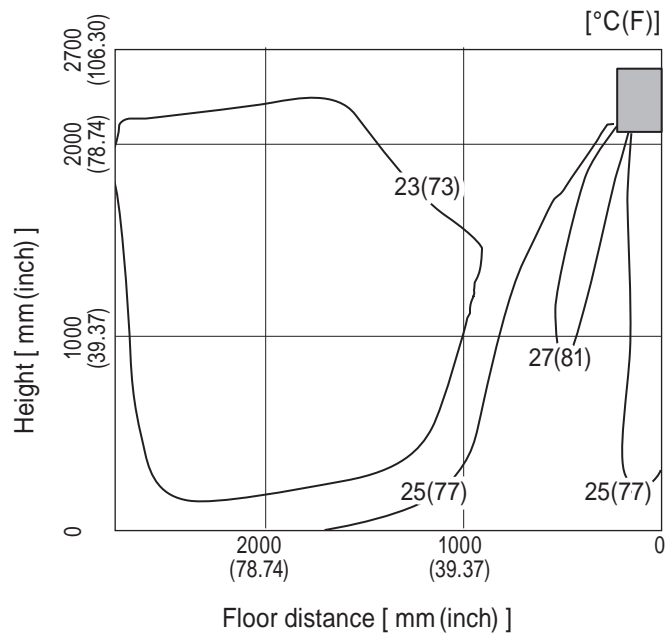
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



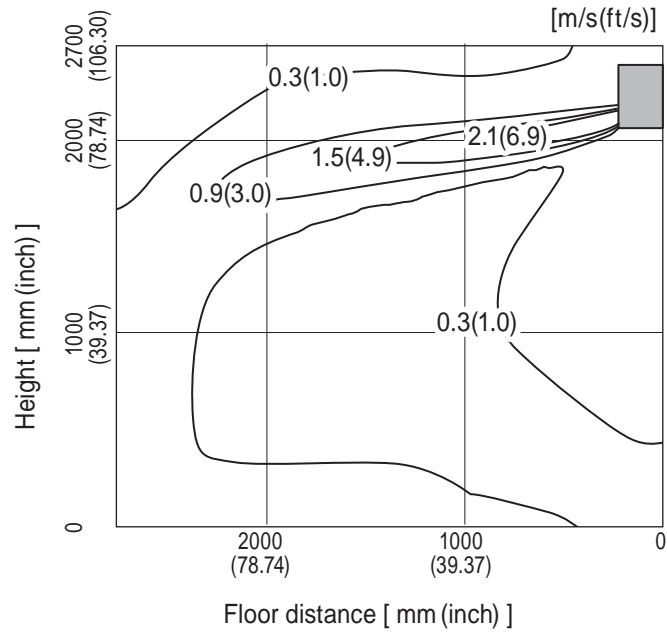
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FH06NA

Airflow distribution

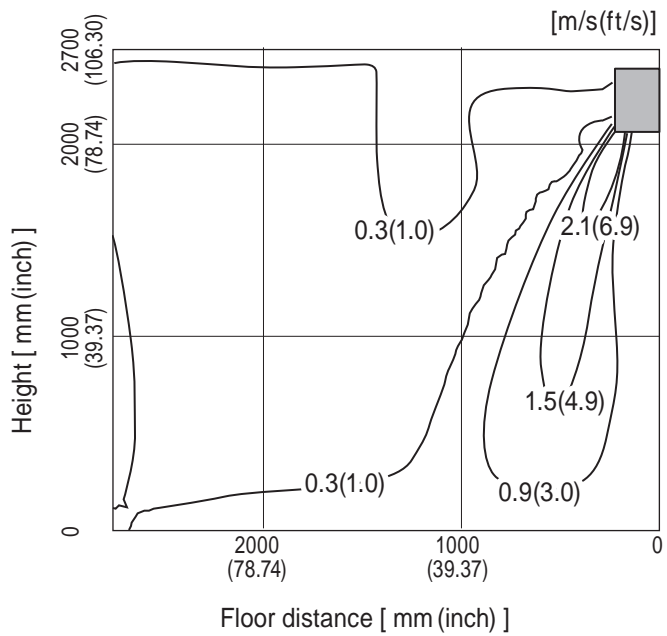
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



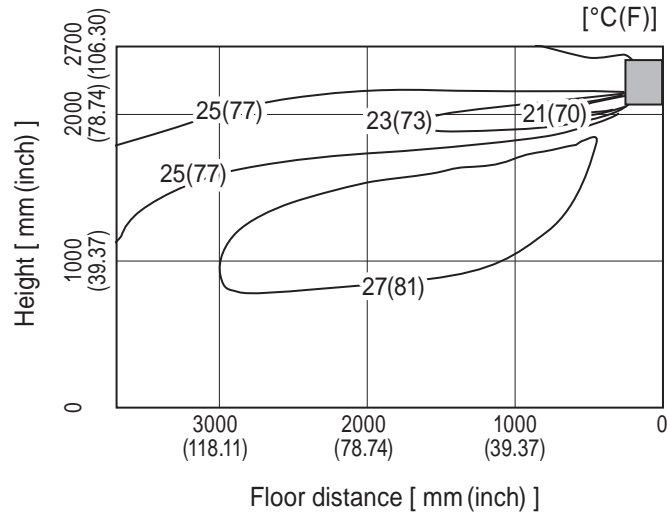
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FH09NA

Temperature distribution

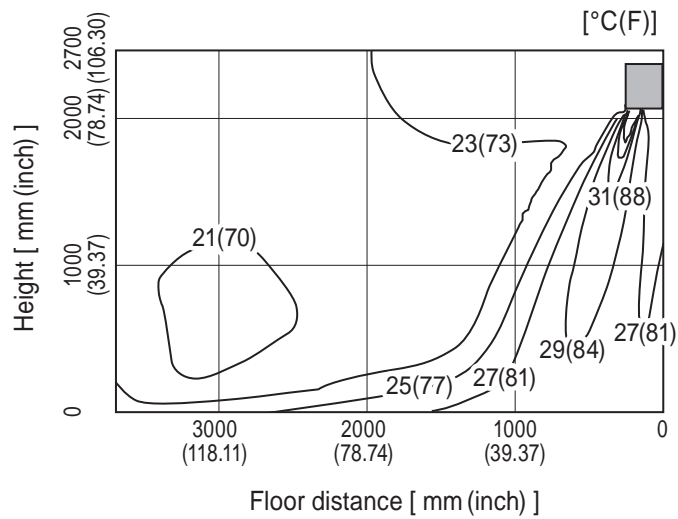
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



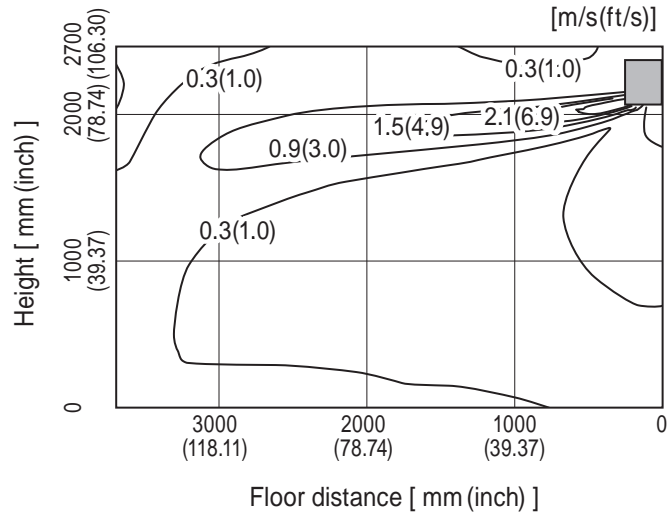
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FH09NA

Airflow distribution

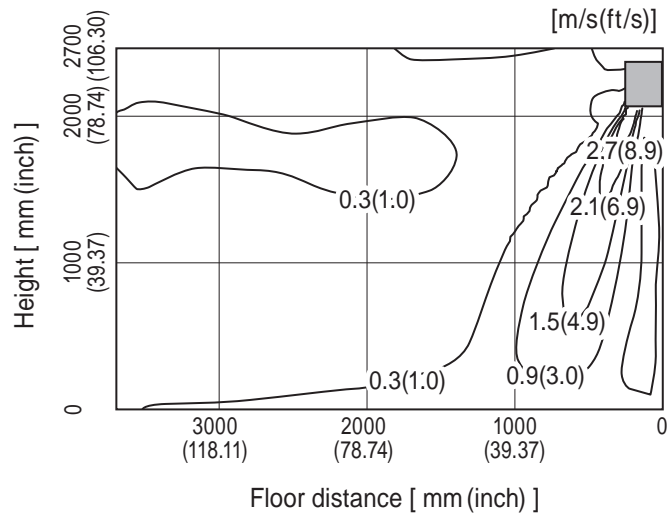
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



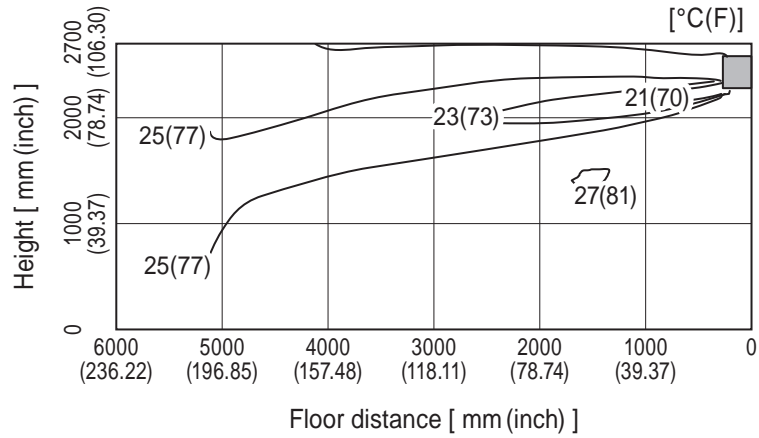
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FH12NA

Temperature distribution

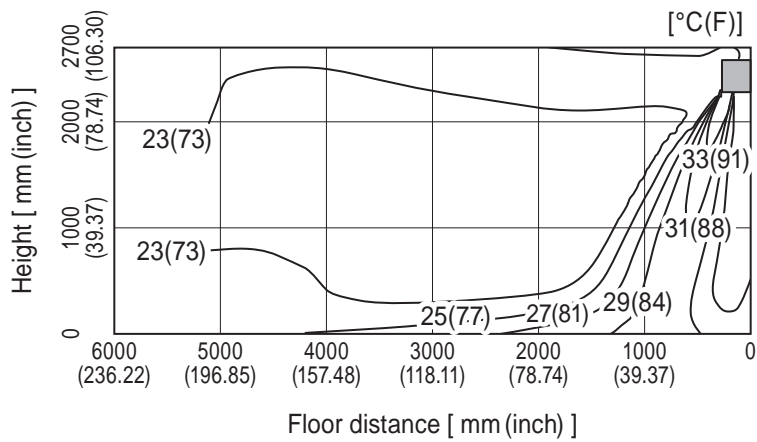
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

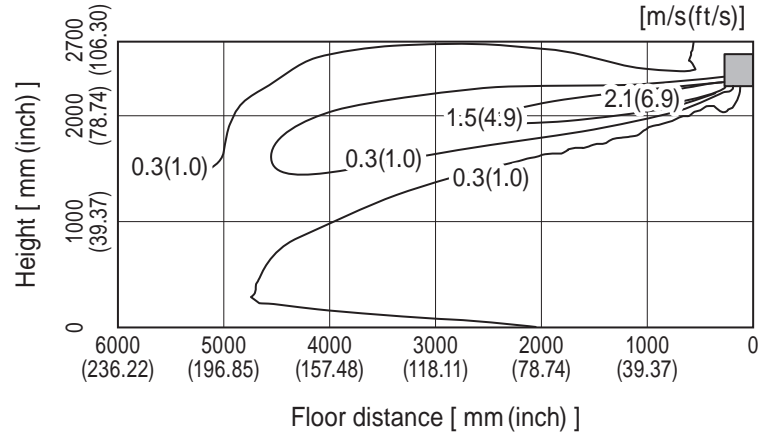


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

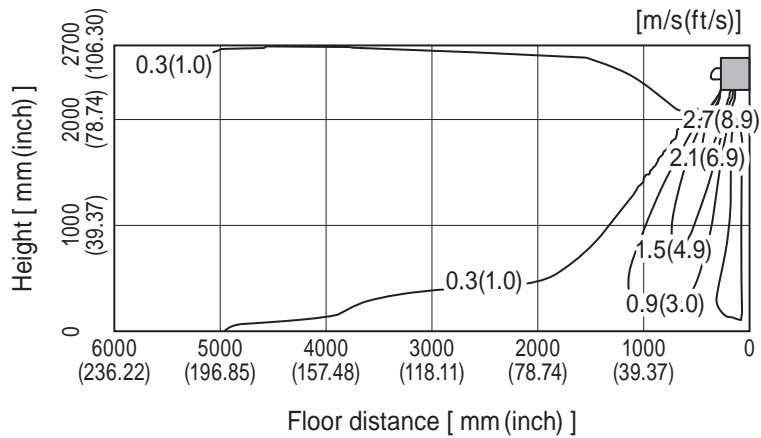
MSZ-FH12NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

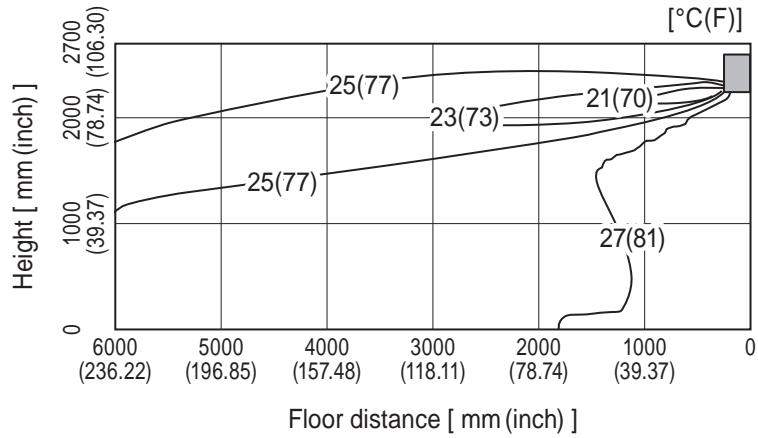


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

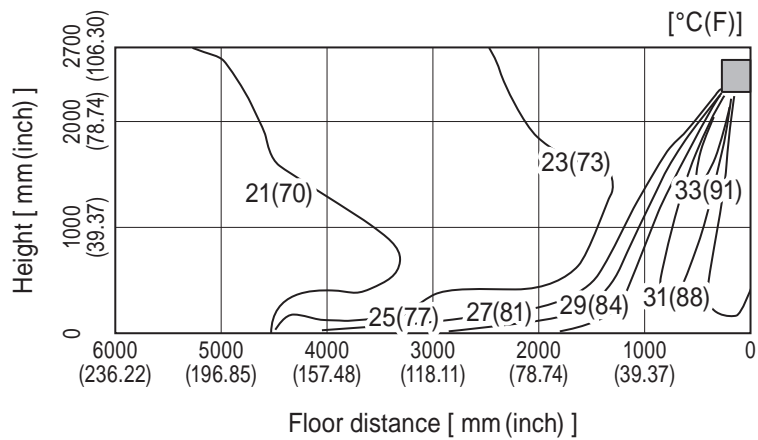
MSZ-FH15NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



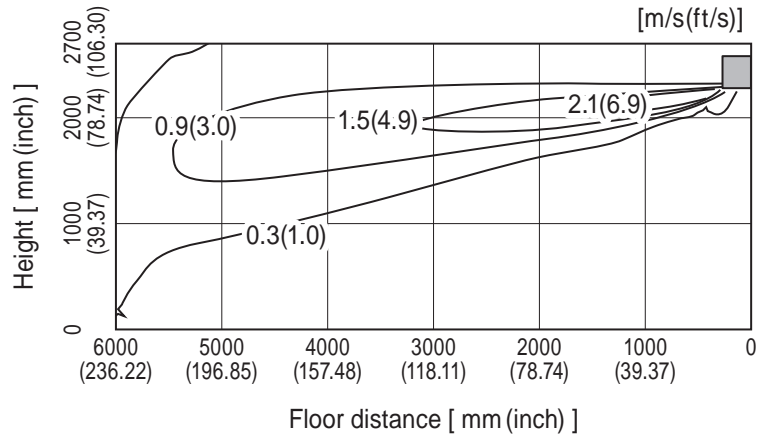
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FH15NA

Airflow distribution

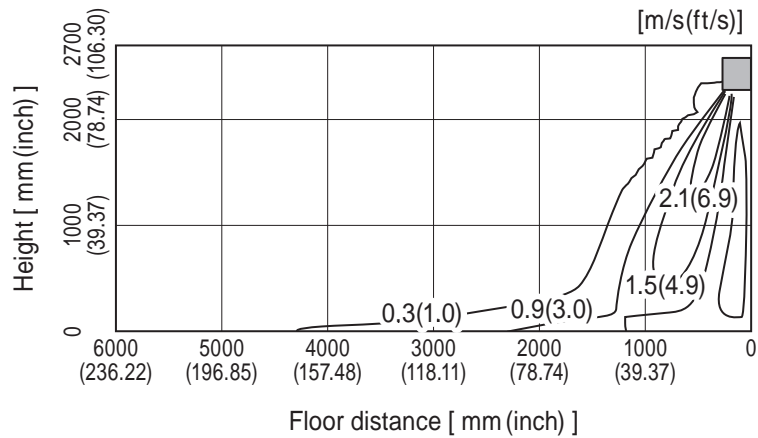
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

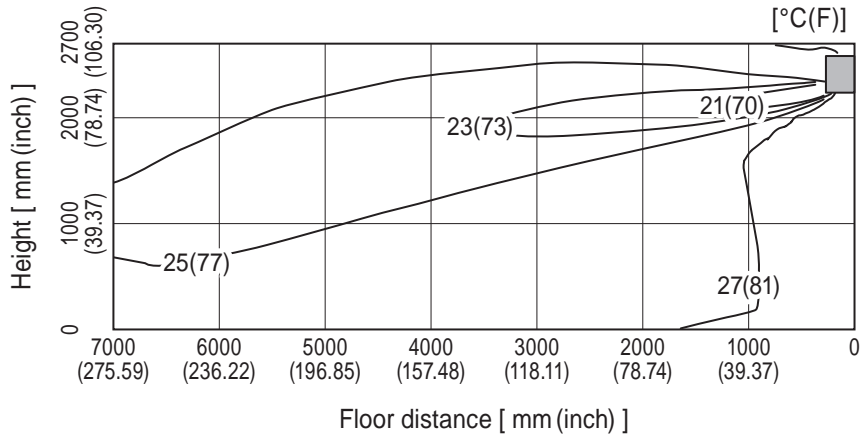


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

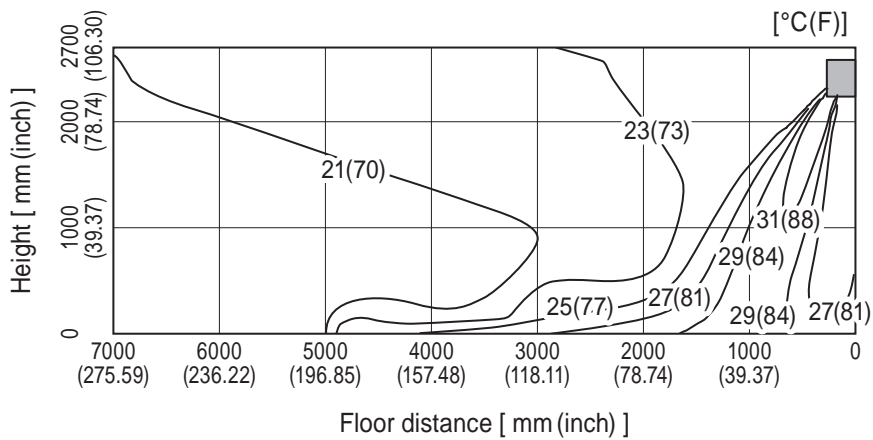
MSZ-FH18NA2

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

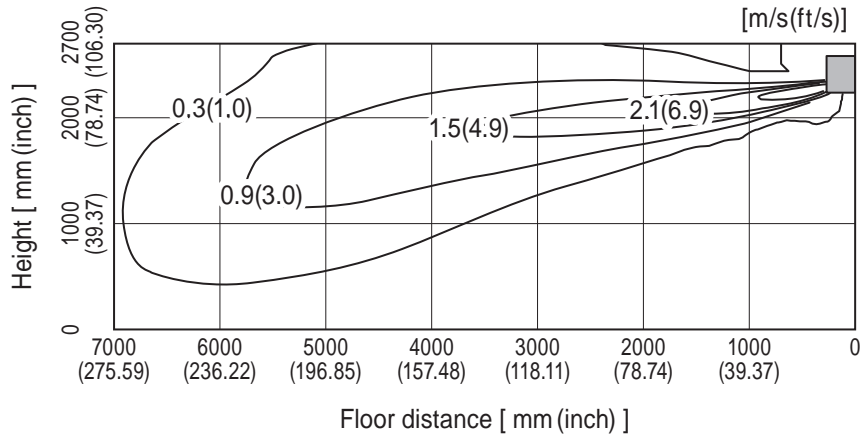


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

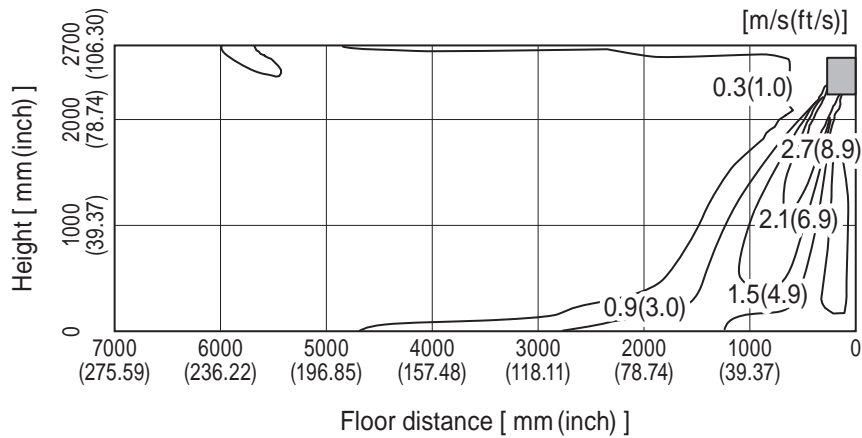
MSZ-FH18NA2

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



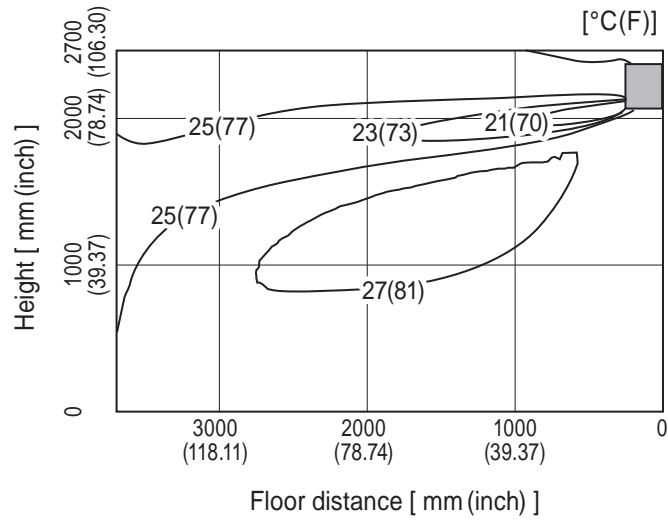
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FE09NA

Temperature distribution

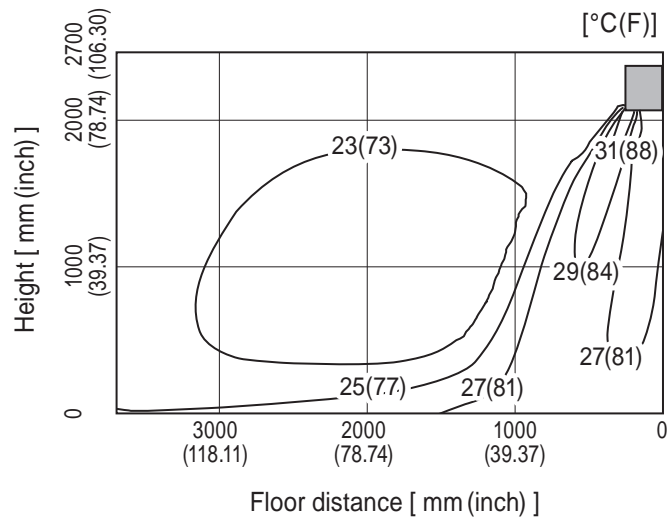
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

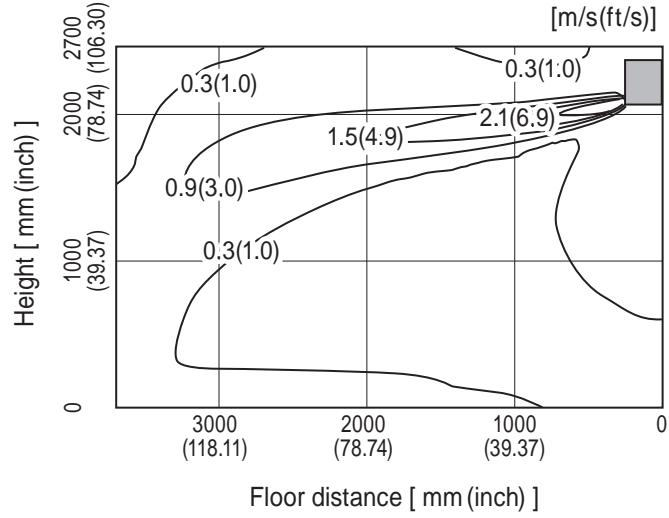


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

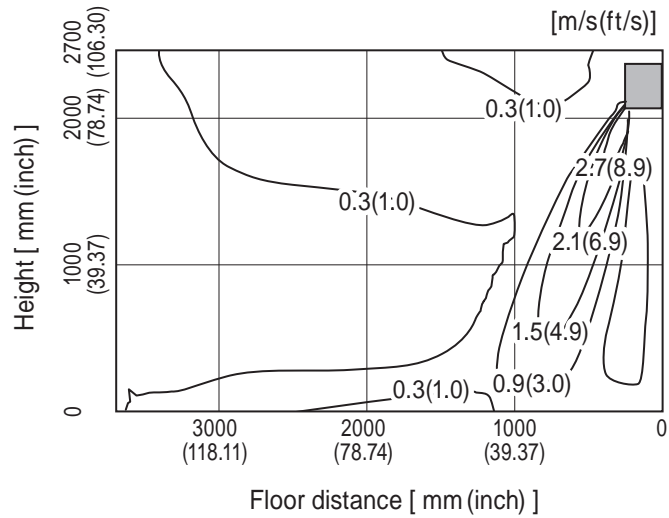
MSZ-FE09NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



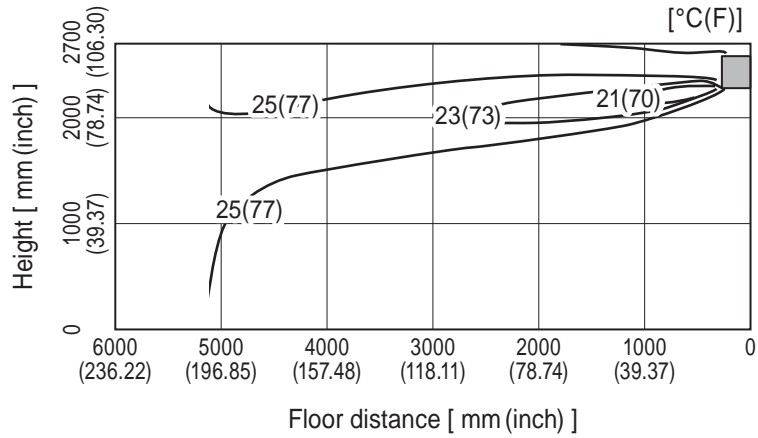
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-FE12NA

Temperature distribution

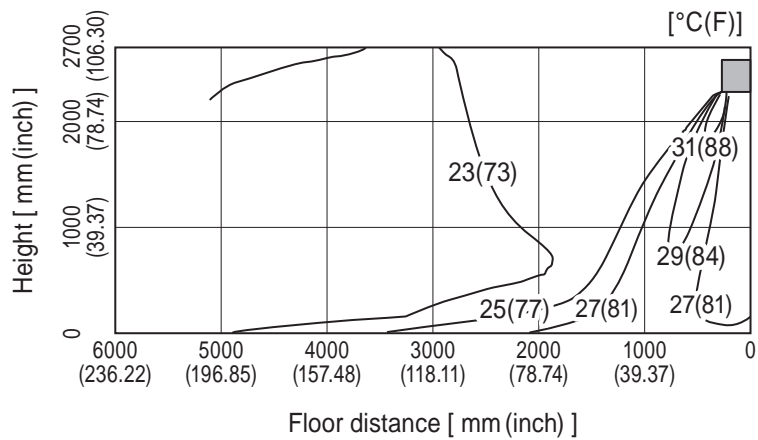
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

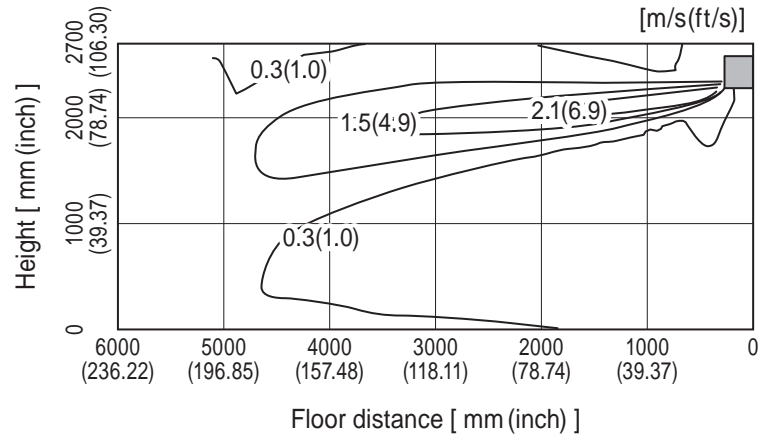


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

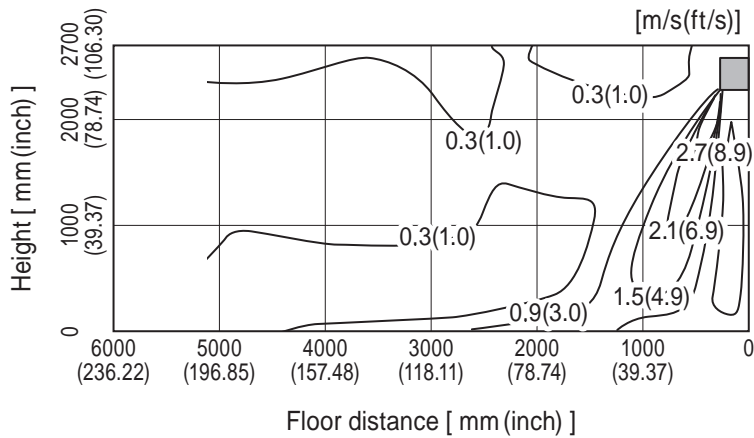
MSZ-FE12NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

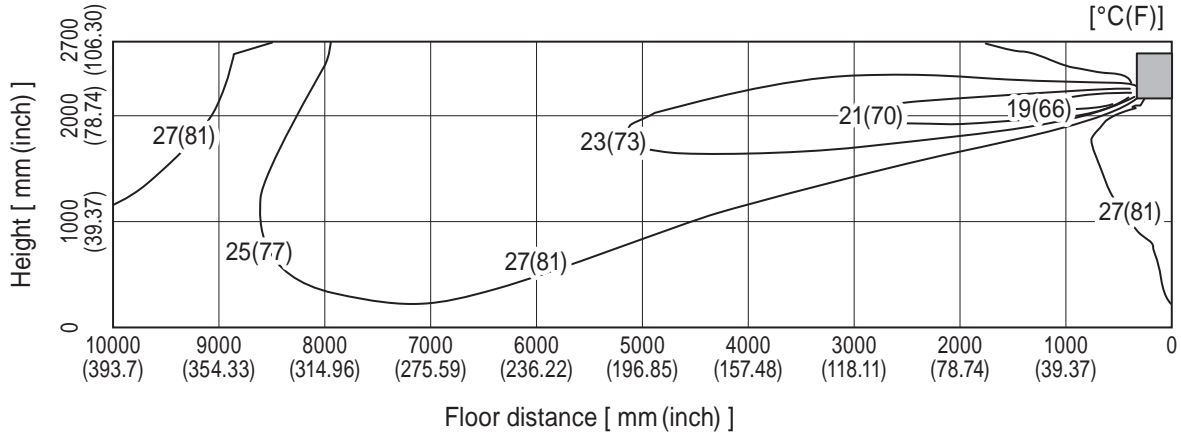


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

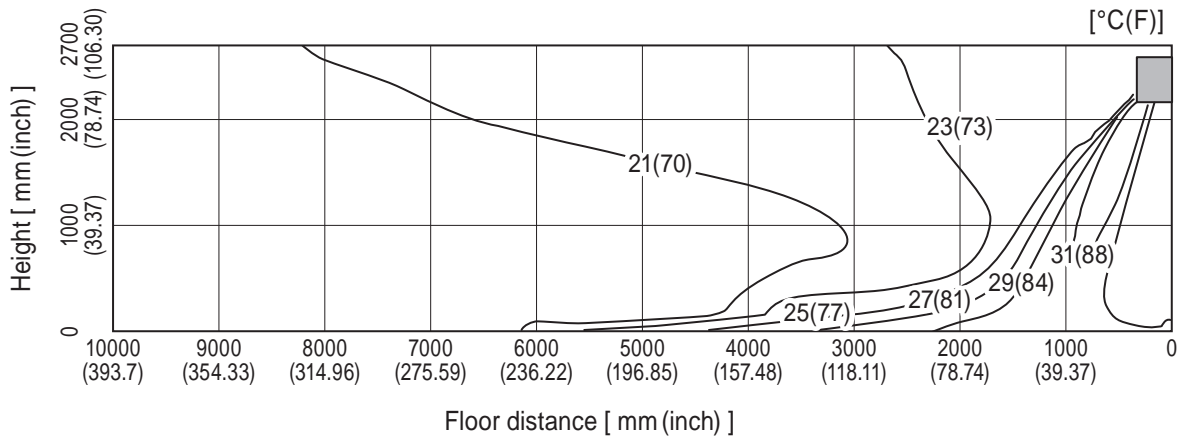
MSZ-D30NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

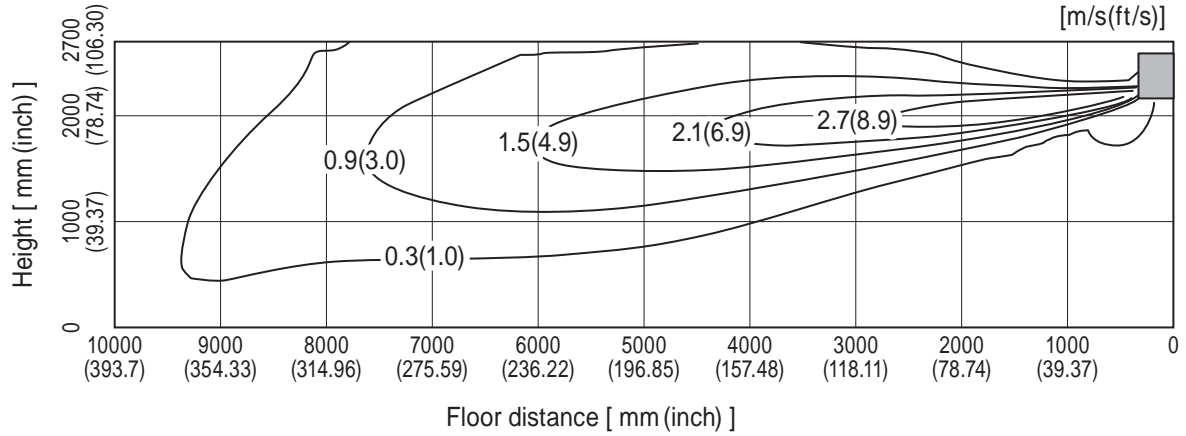


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

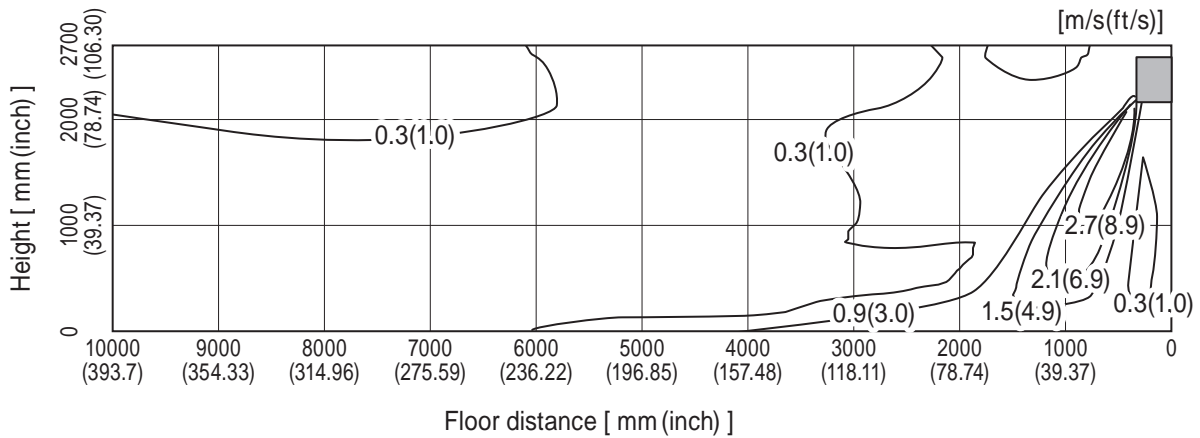
MSZ-D30NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

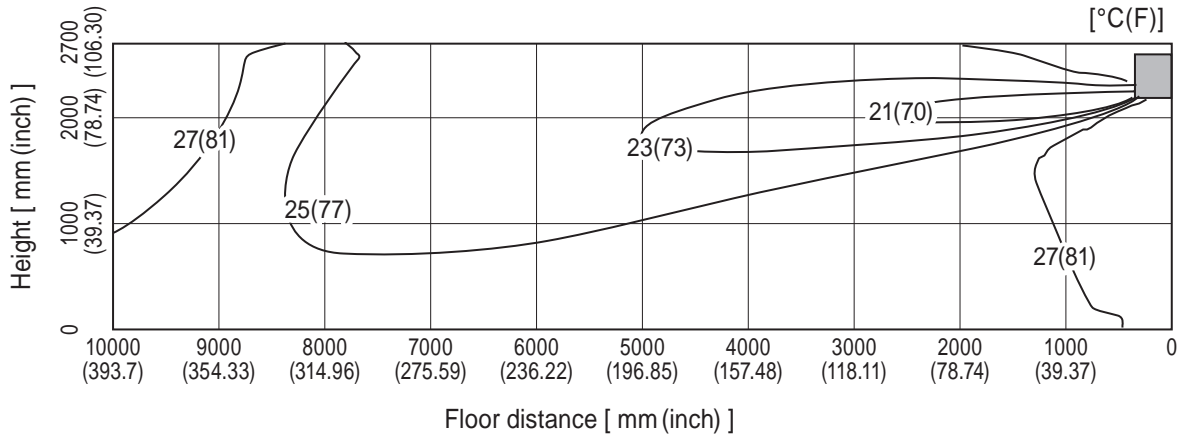


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

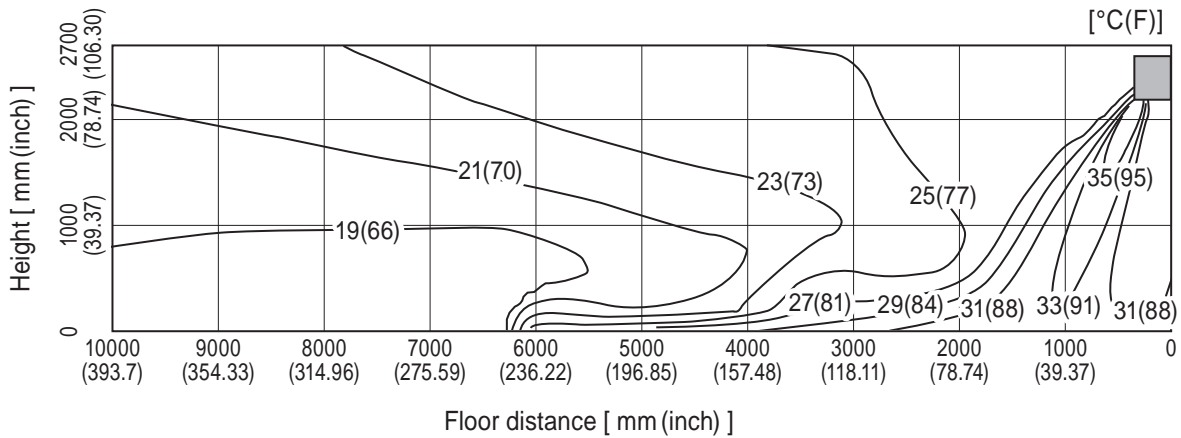
MSZ-D36NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

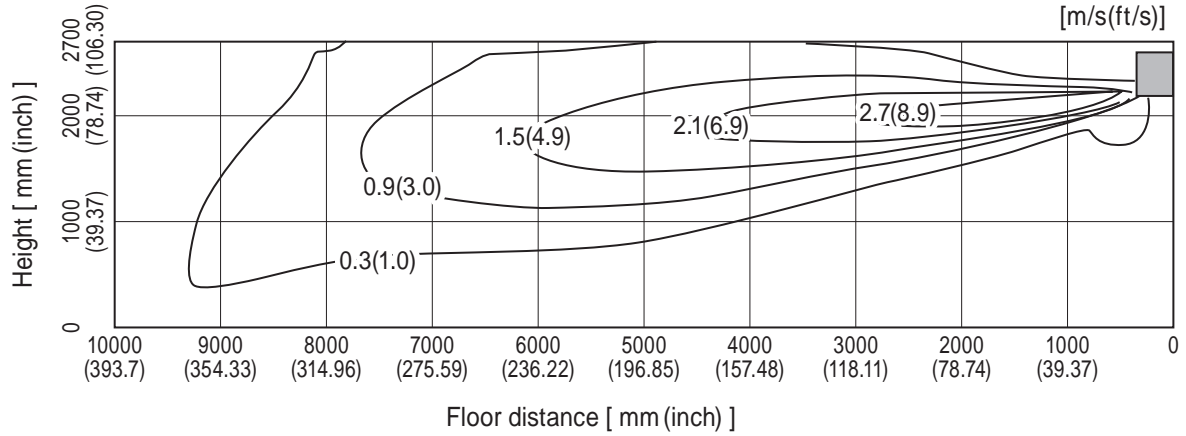


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

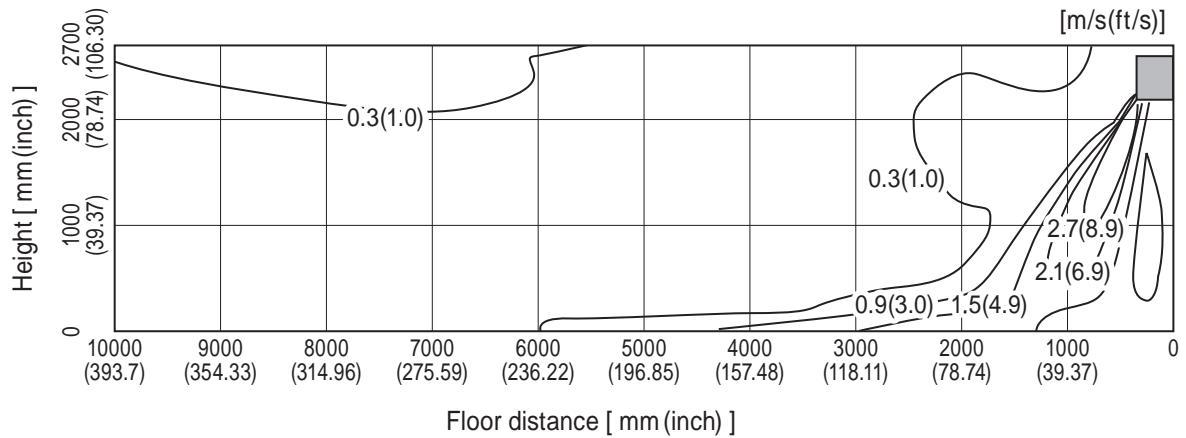
MSZ-D36NA

Airflow distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: high
 Air direction: auto (downward air flow)

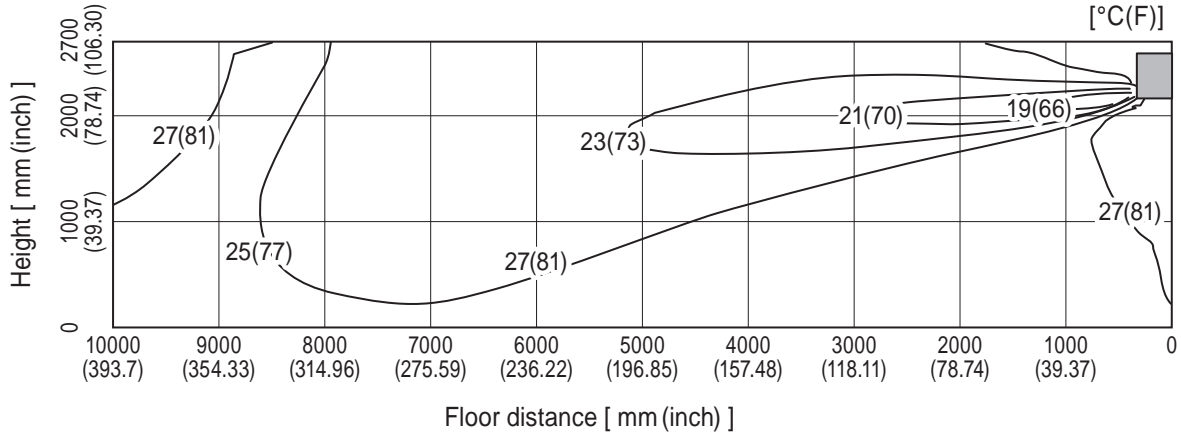


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-D30NA

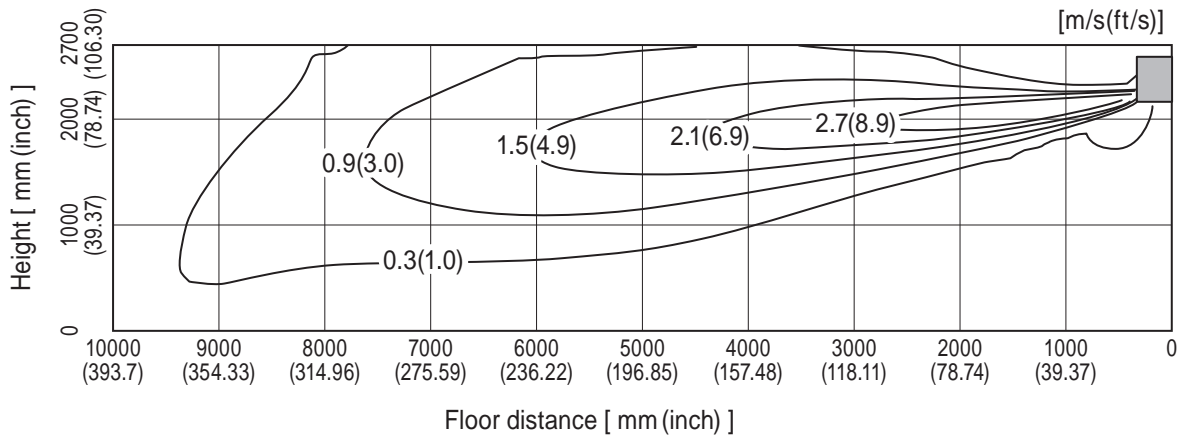
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)

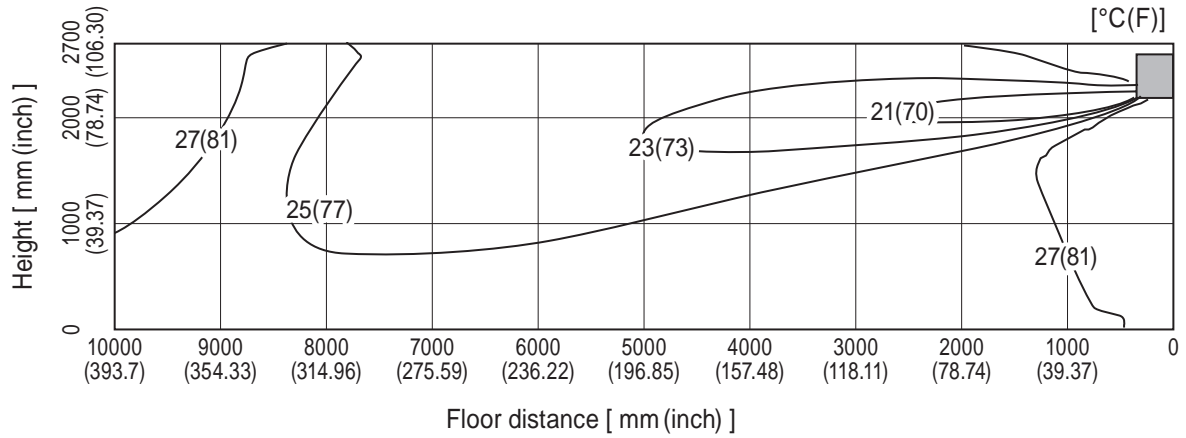


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSY-D36NA

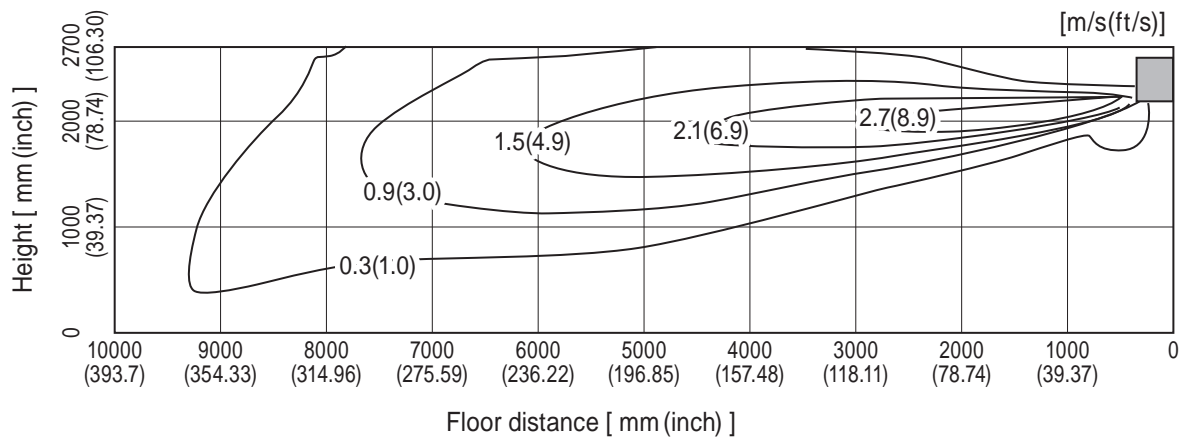
Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



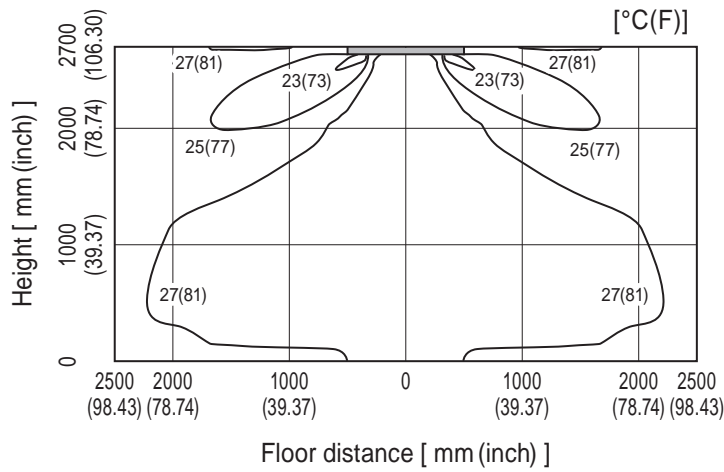
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

SLZ-KA09NA

Temperature distribution

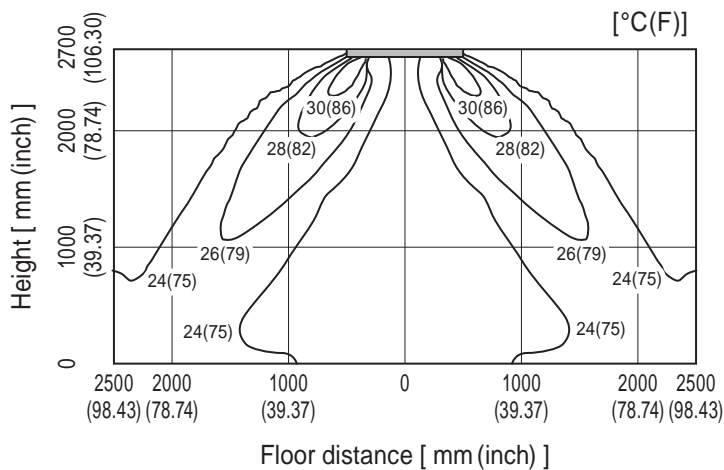
<Cooling mode> Standard

Flow angle: 30° 4-way flow
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle: 60° 4-way flow
Ceiling height : 2.7m



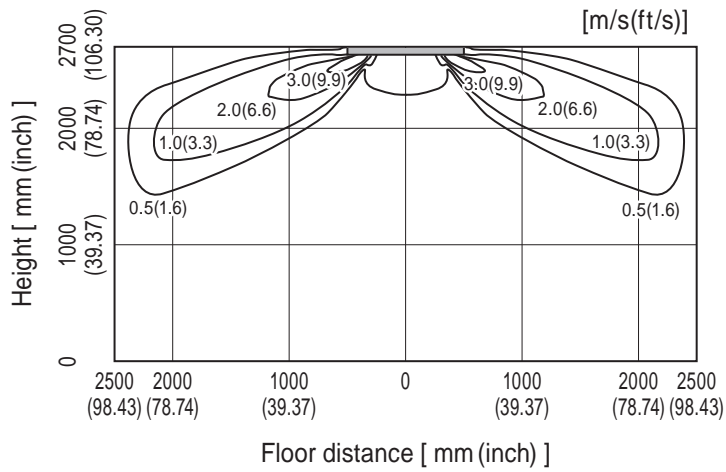
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

SLZ-KA09NA

Airflow distribution

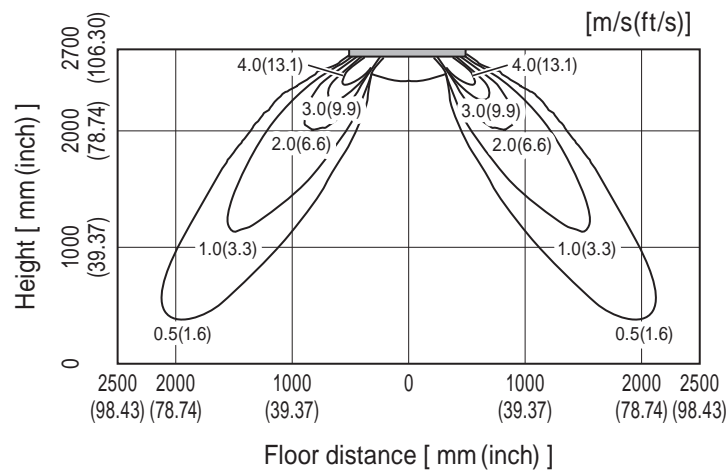
<Cooling mode> Standard

Flow angle: 30° 4-way flow
 Ceiling height : 2.7m



<Heating mode> Standard

Flow angle: 60° 4-way flow
 Ceiling height : 2.7m



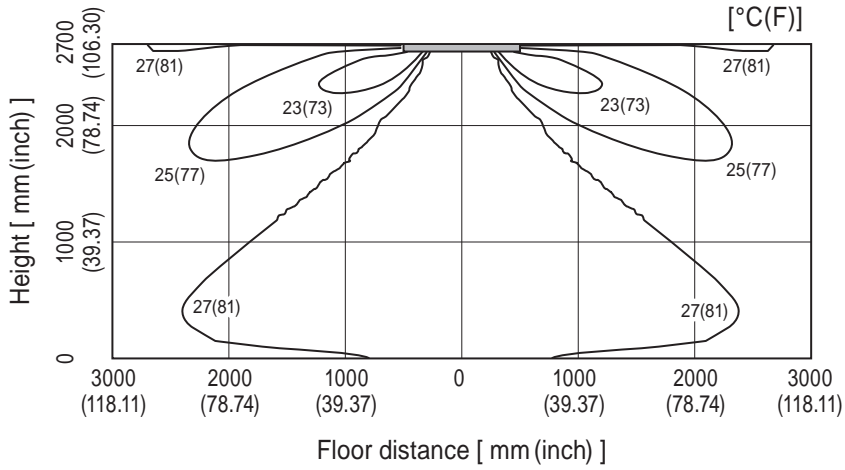
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

SLZ-KA12NA

Temperature distribution

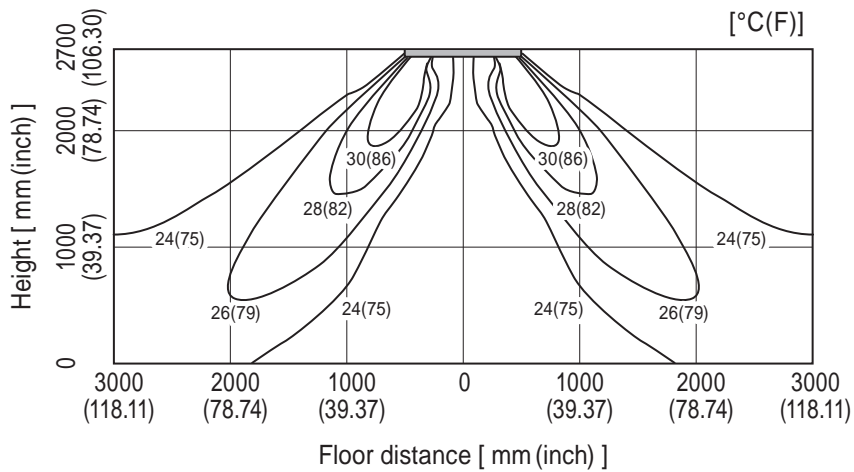
<Cooling mode> Standard

Flow angle: 30° 4-way flow
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle: 60° 4-way flow
Ceiling height : 2.7m

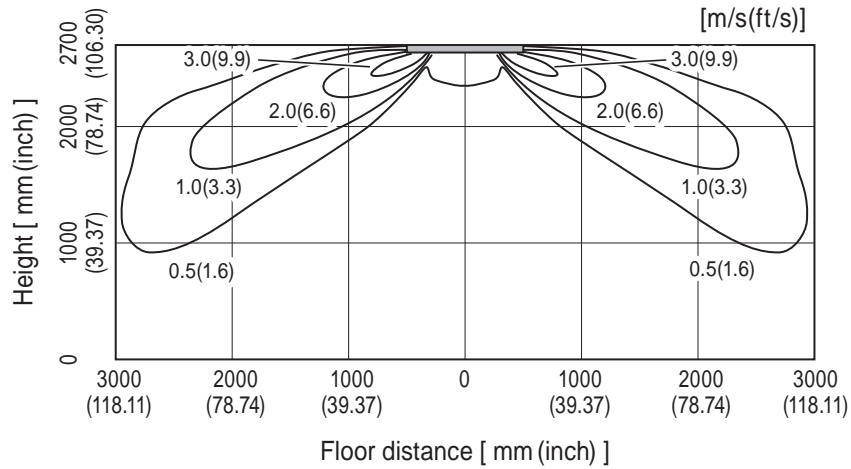


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

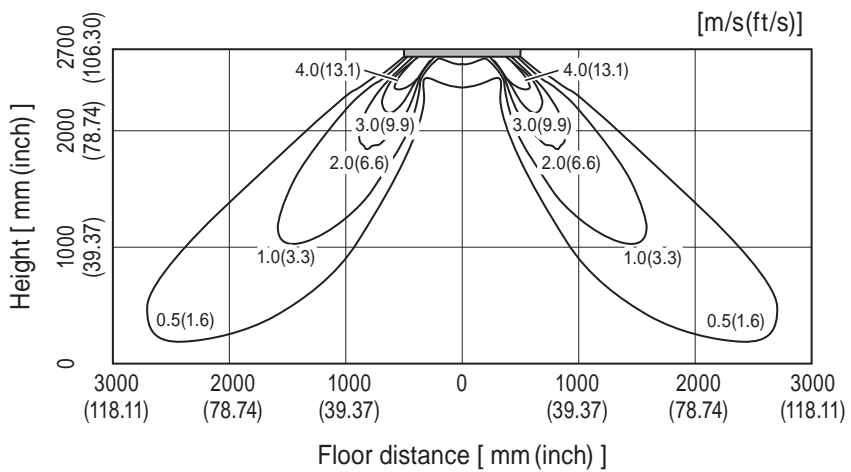
SLZ-KA12NA

Airflow distribution

<Cooling mode> Standard
 Flow angle: 30° 4-way flow
 Ceiling height : 2.7m



<Heating mode> Standard
 Flow angle: 60° 4-way flow
 Ceiling height : 2.7m



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

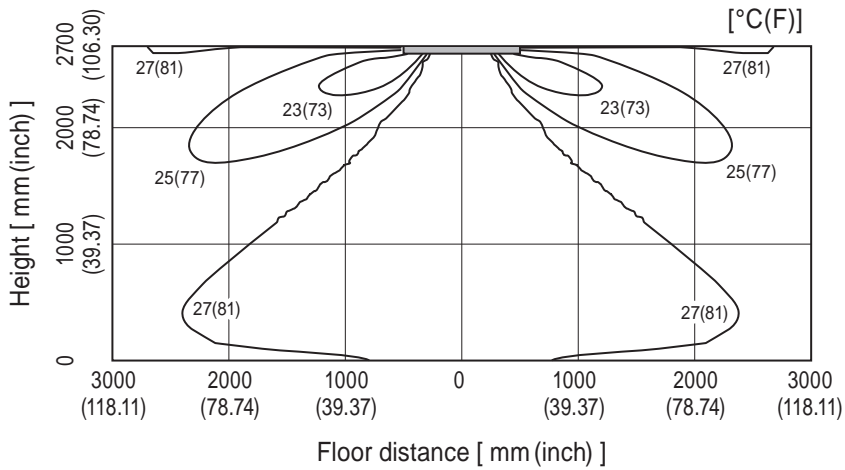
SLZ-KA15NA

Temperature distribution

<Cooling mode> Standard

Flow angle: 30° 4-way flow

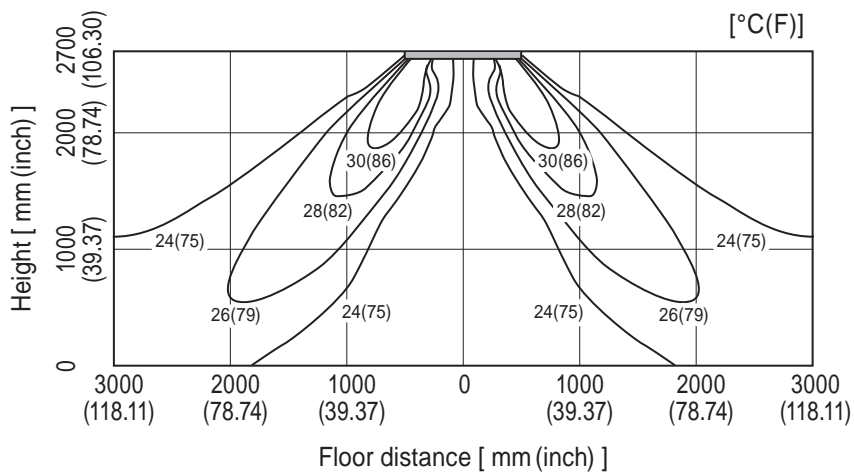
Ceiling height : 2.7m



<Heating mode> Standard

Flow angle: 60° 4-way flow

Ceiling height : 2.7m

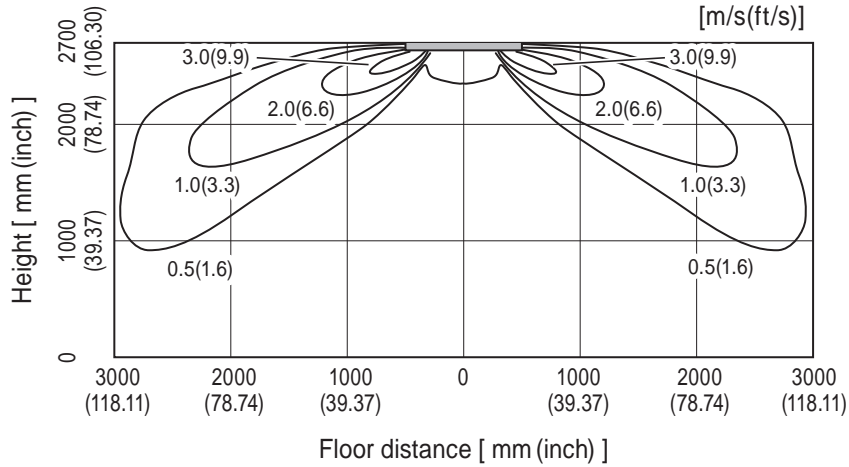


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

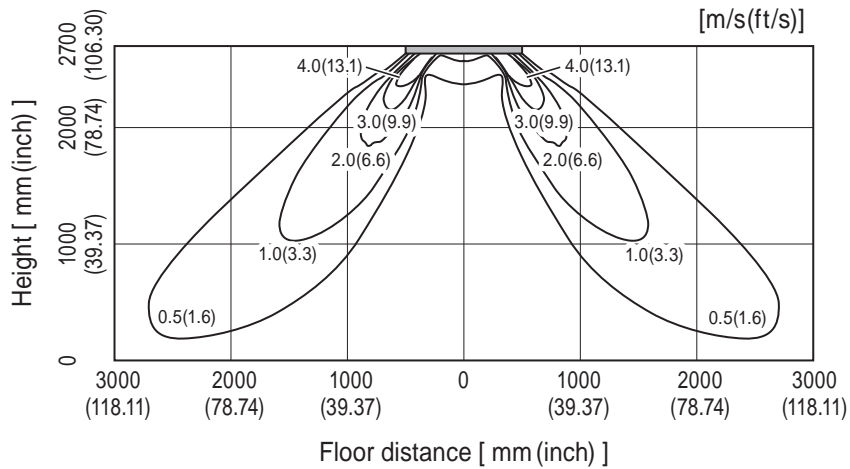
SLZ-KA15NA

Airflow distribution

<Cooling mode> Standard
 Flow angle: 30° 4-way flow
 Ceiling height : 2.7m



<Heating mode> Standard
 Flow angle: 60° 4-way flow
 Ceiling height : 2.7m

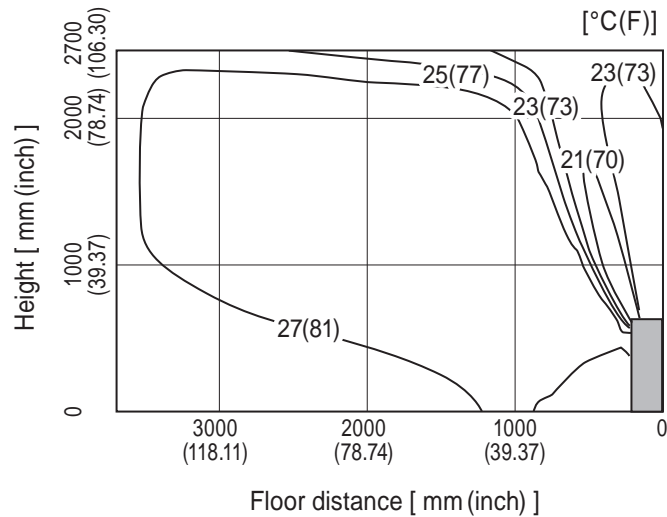


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

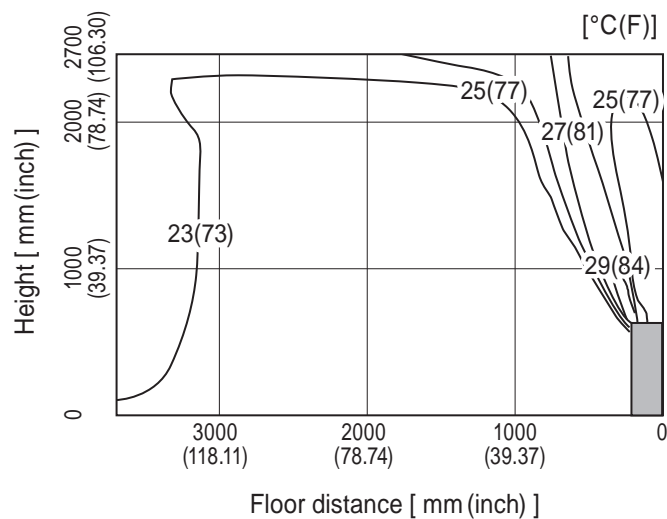
MFZ-KJ09NA Single connection
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
 Air direction: auto (downward air flow)

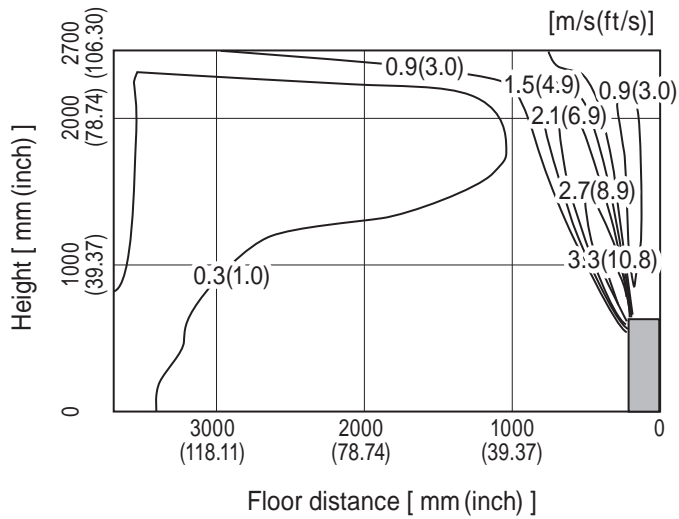


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

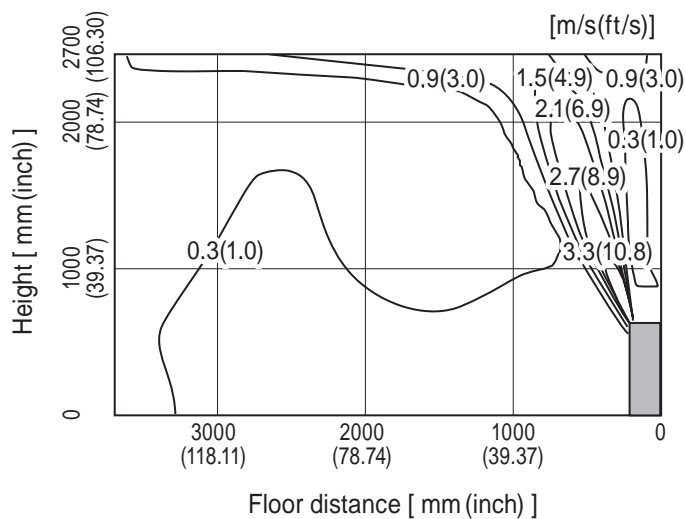
MFZ-KJ09NA Single connection Standard installation (One-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

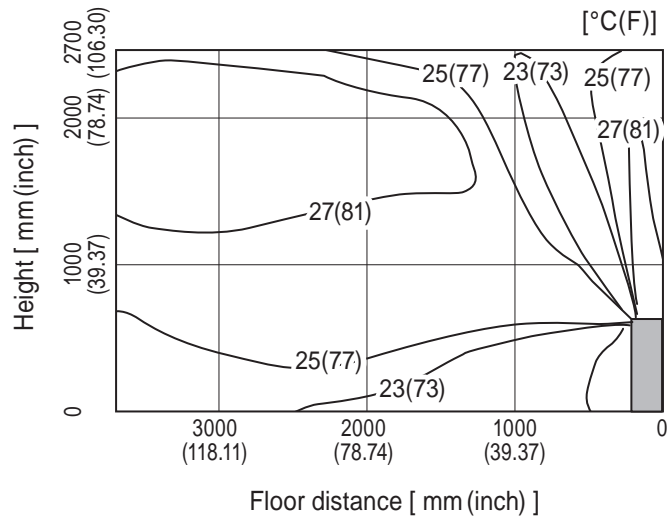


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

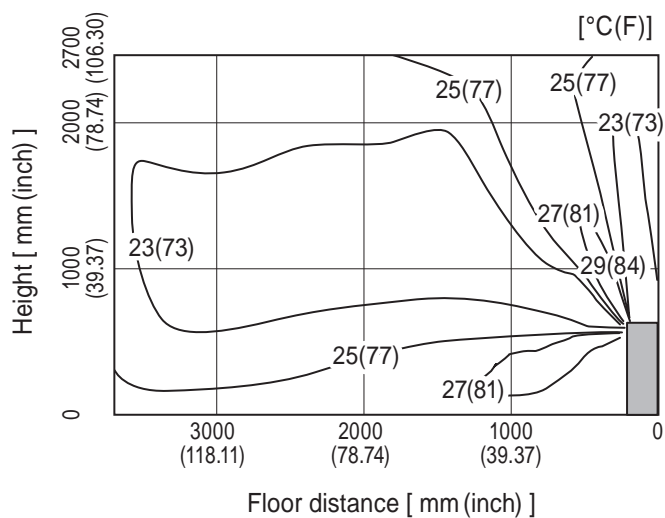
MFZ-KJ09NA Single connection
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
 Air direction: auto (downward air flow)

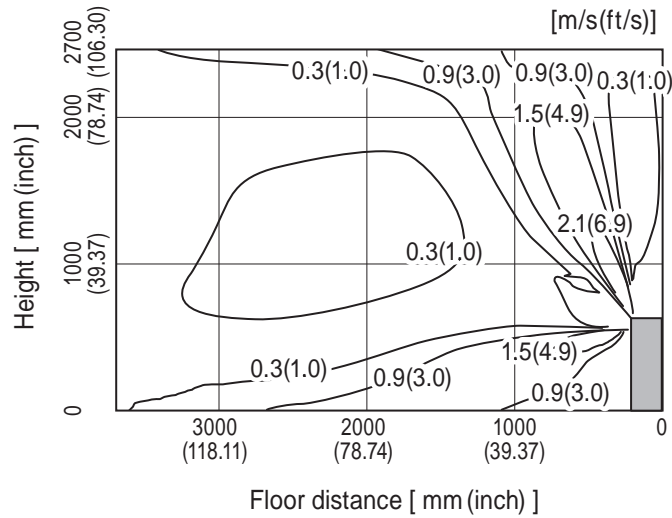


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

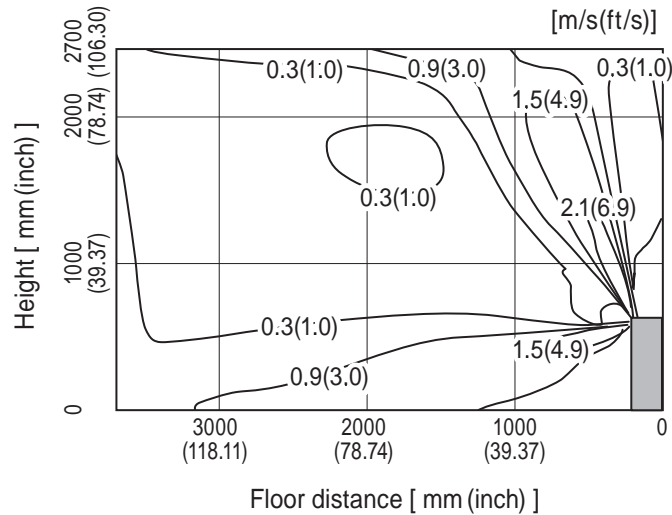
MFZ-KJ09NA Single connection Standard installation (Two-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

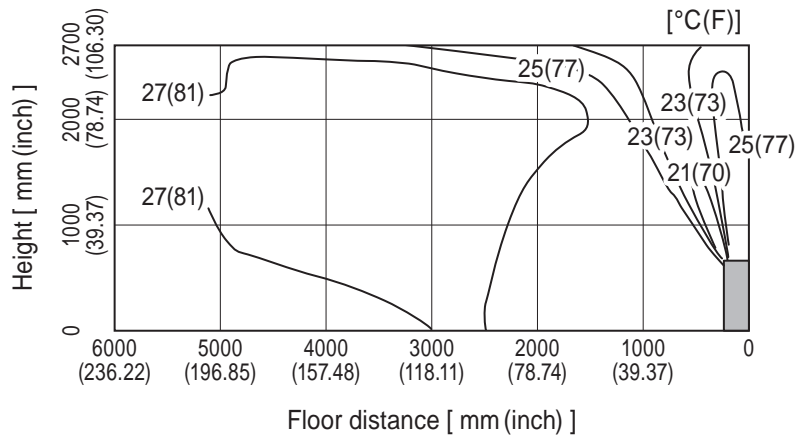


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

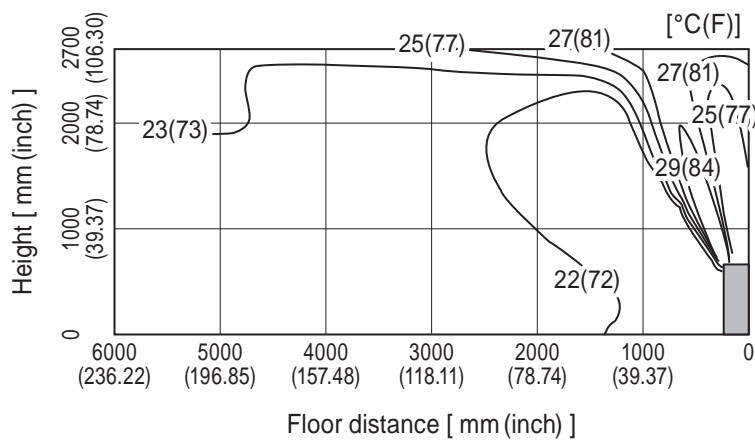
MFZ-KJ12NA Single connection Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

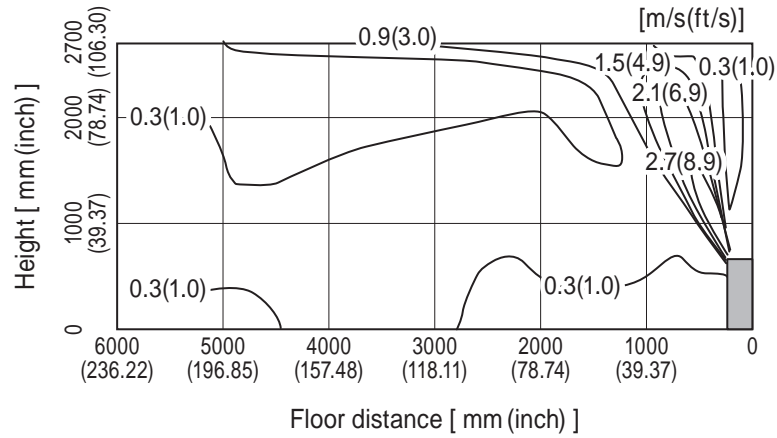


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

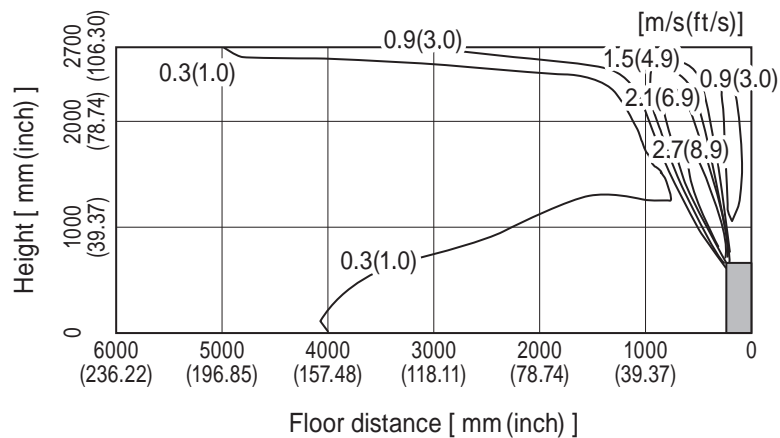
MFZ-KJ12NA Single connection Standard installation (One-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

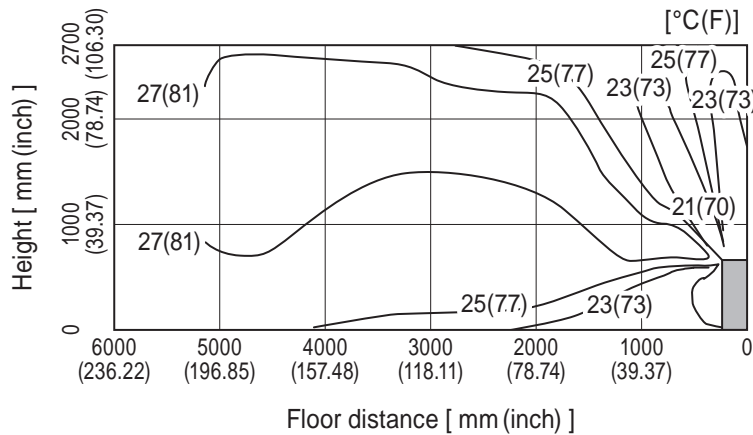


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

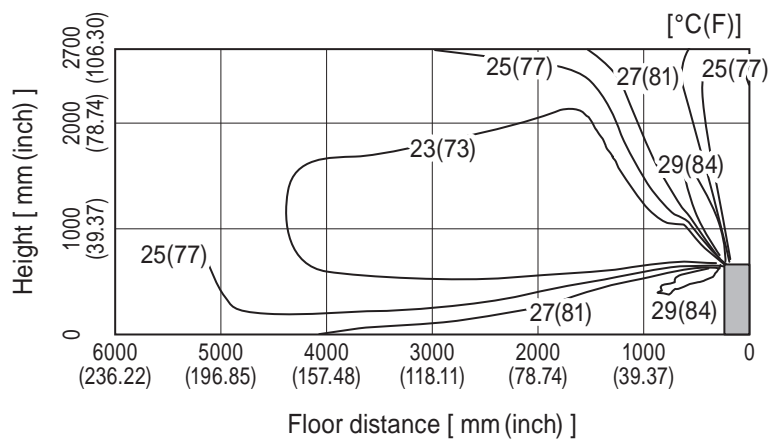
MFZ-KJ12NA Single connection Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)



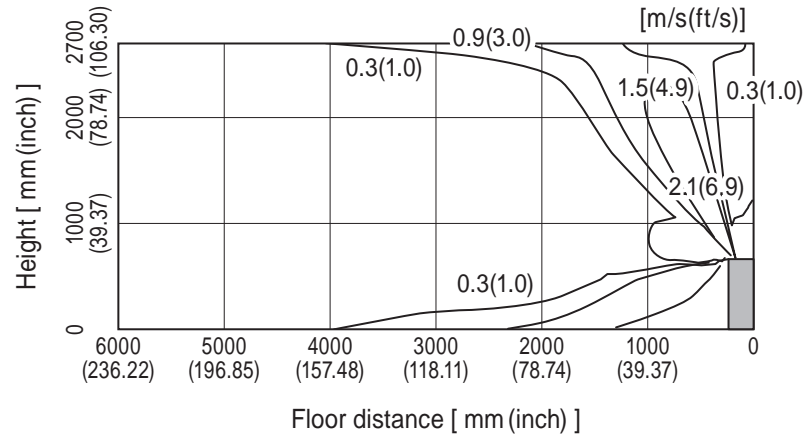
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MFZ-KJ12NA Single connection

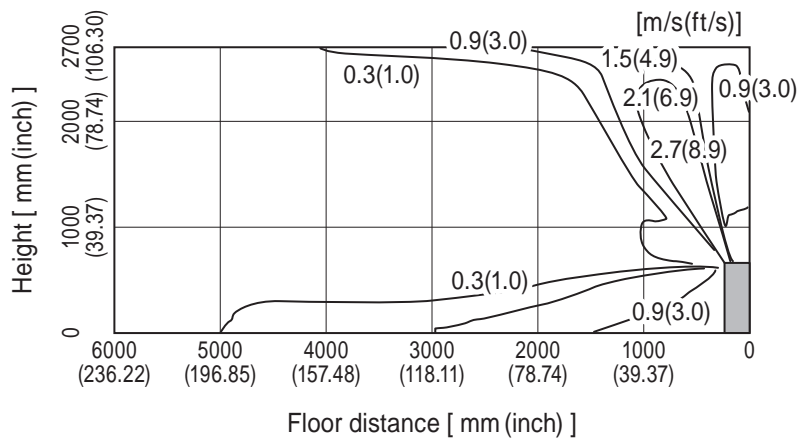
Standard installation (Two-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

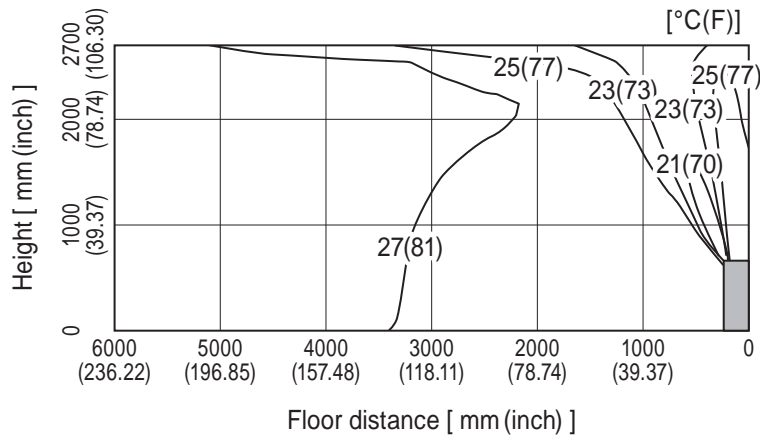


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

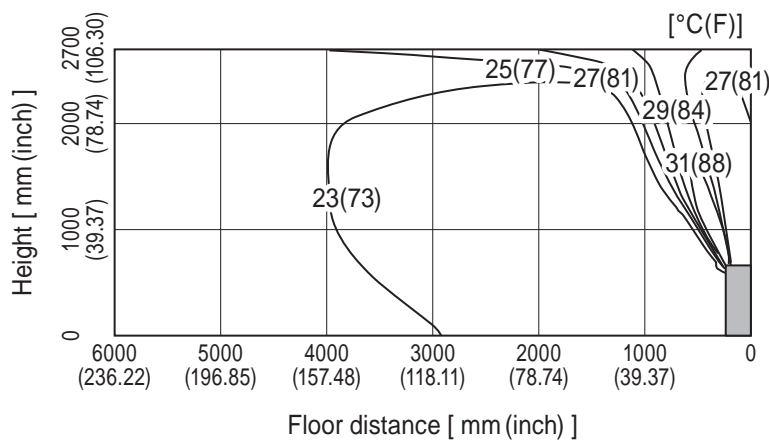
MFZ-KJ15NA Single connection
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
 Air direction: auto (downward air flow)

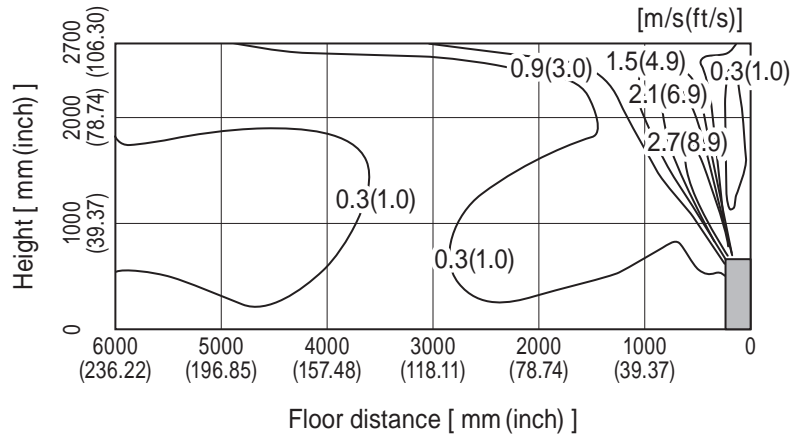


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

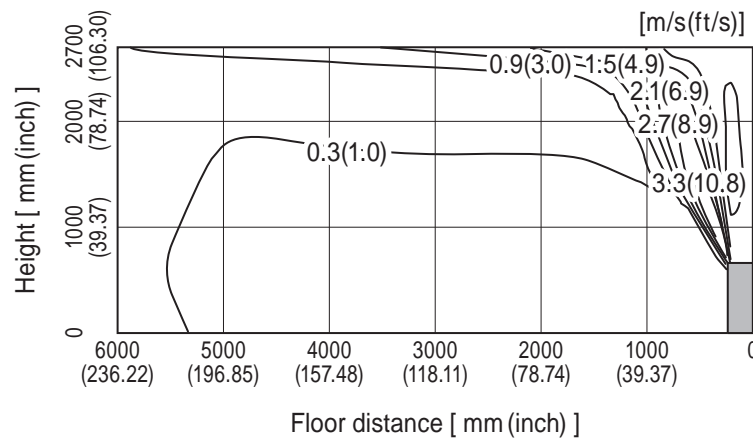
MFZ-KJ15NA Single connection Standard installation (One-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

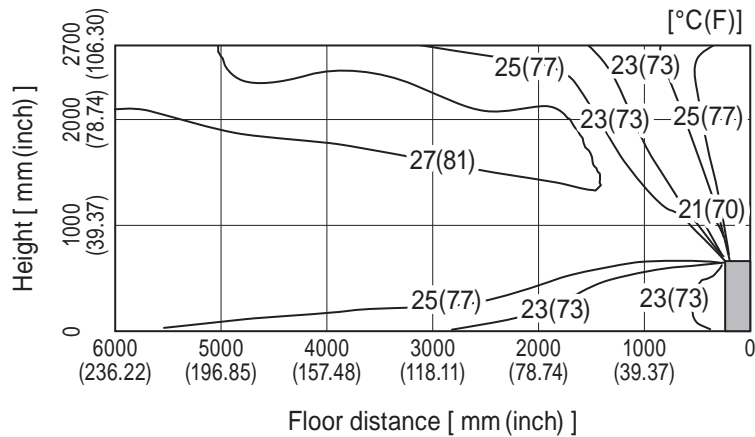


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

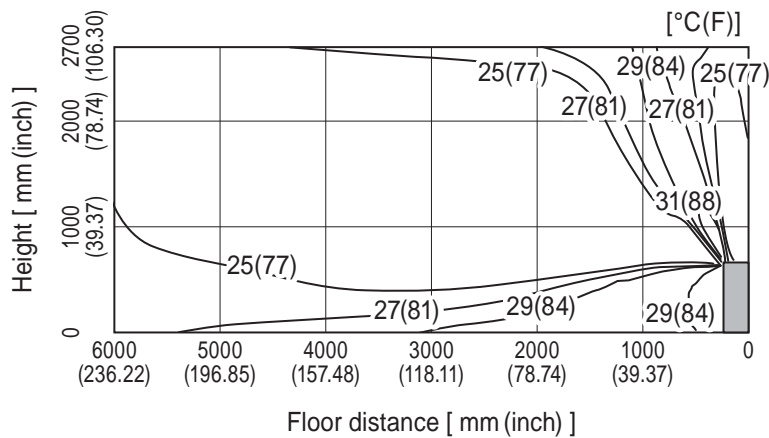
MFZ-KJ15NA Single connection Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

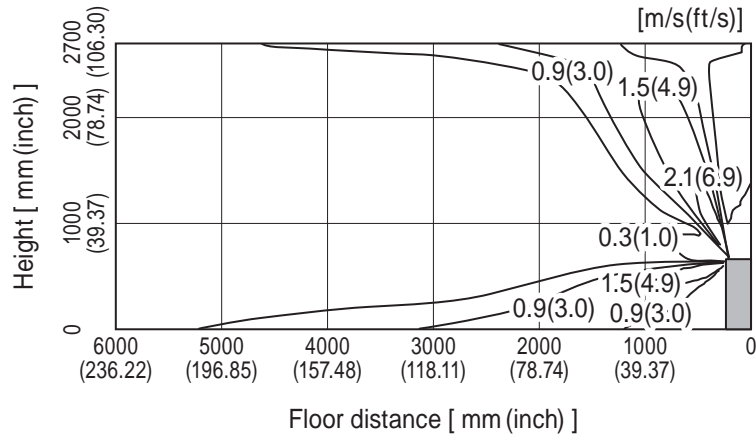


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

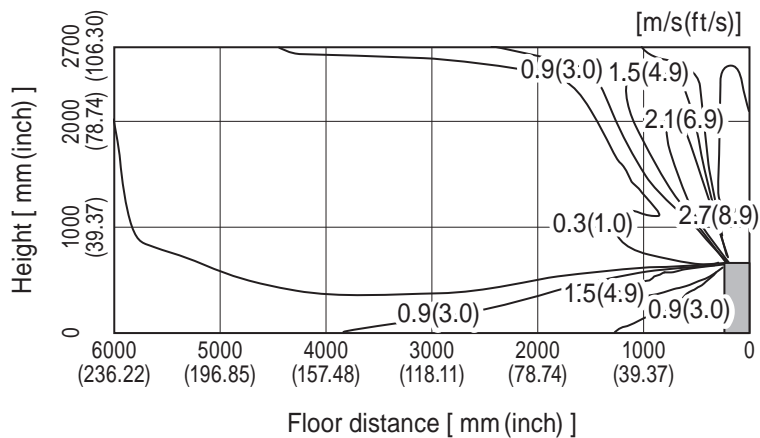
MFZ-KJ15NA Single connection Standard installation (Two-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)



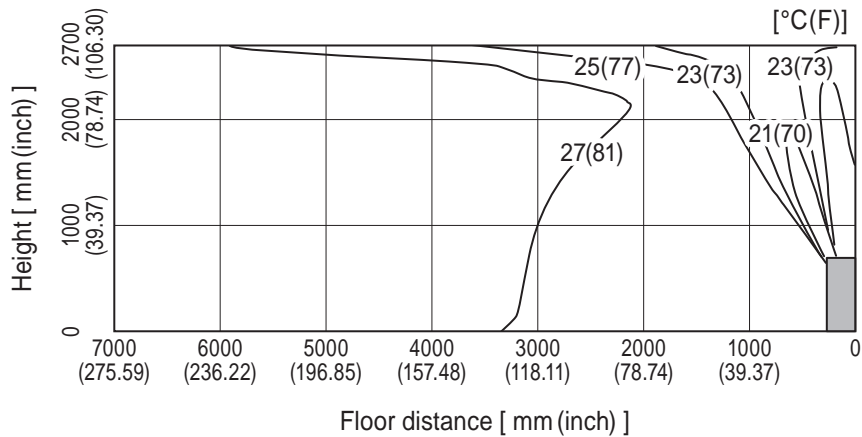
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MFZ-KJ18NA Single connection

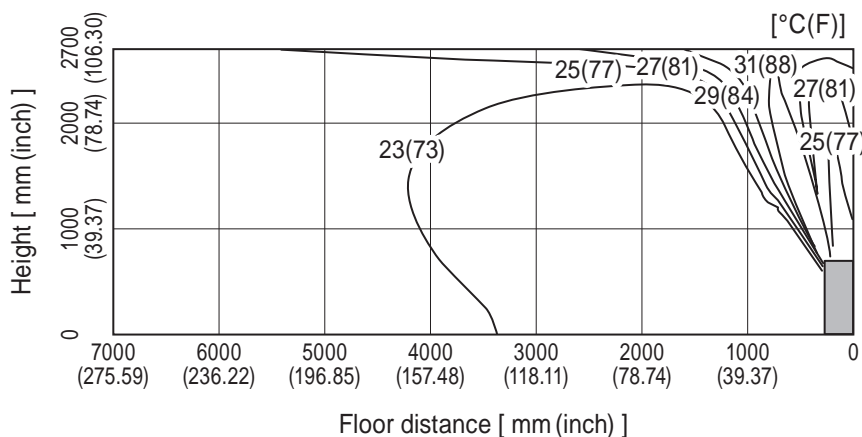
Standard installation (One-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

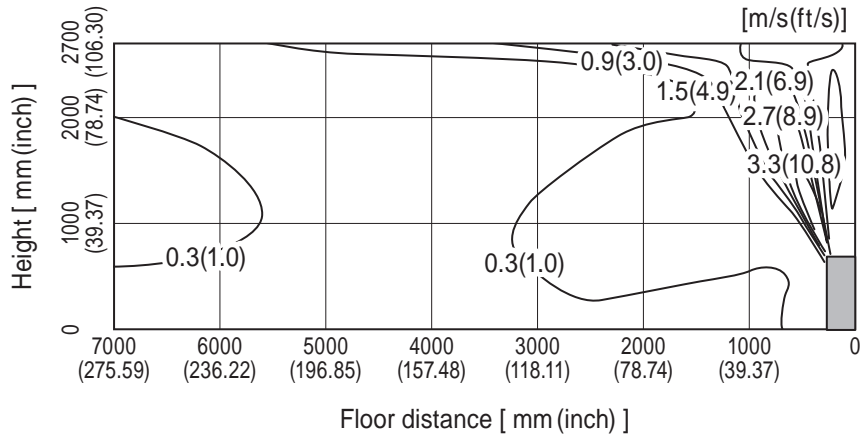


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

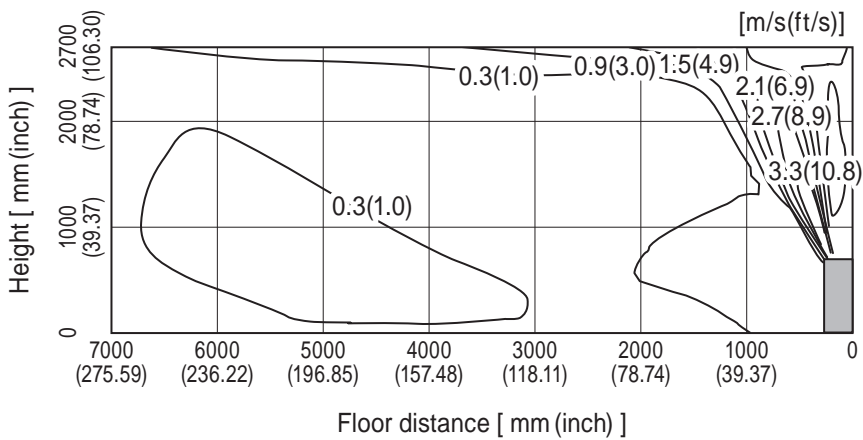
MFZ-KJ18NA Single connection
Standard installation (One-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
 Air direction: auto (downward air flow)



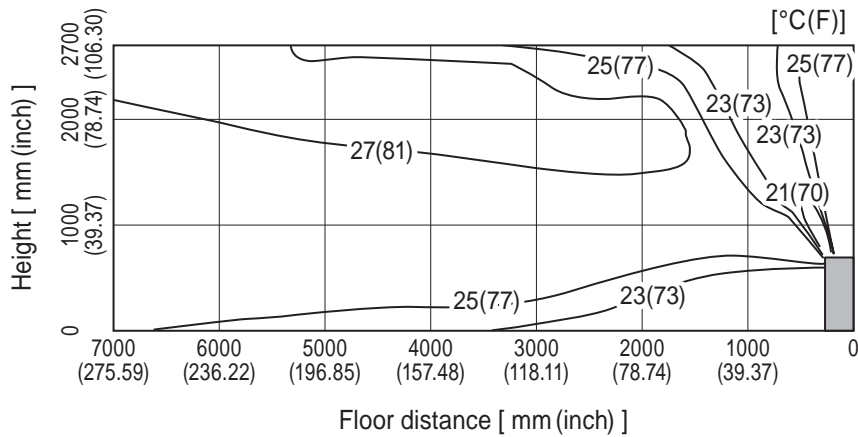
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MFZ-KJ18NA Single connection

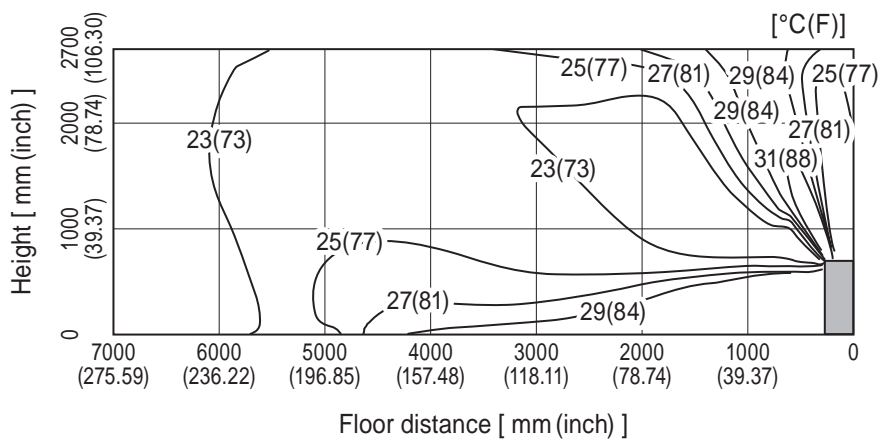
Standard installation (Two-direction air flow)

Temperature distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)

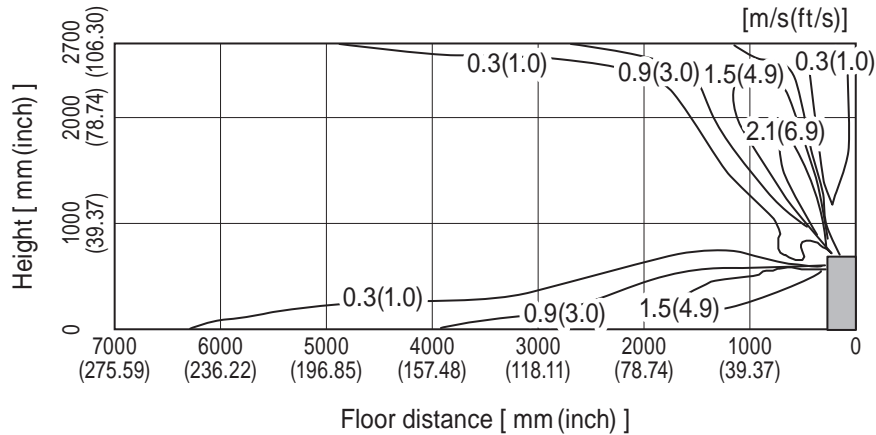


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

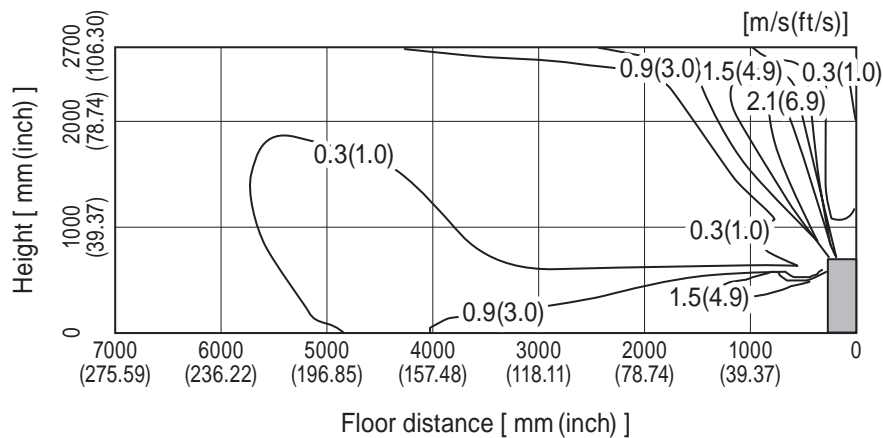
MFZ-KJ18NA Single connection Standard installation (Two-direction air flow)

Airflow distribution

<Cooling mode> Air volume: super high
Air direction: auto (upward air flow)



<Heating mode> Air volume: super high
Air direction: auto (downward air flow)



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

15 | PART LOAD CAPACITY CHART

MSZ-GL09NA MUZ-GL09NA 1) COOLING

Rated
Q(Btu/h): 9000
W: 585

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C							
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	11020	8280	8290	5570	-	3320	10430	7700	7850	5270	-	3140	9800	7020	7380	4960	-	2960
		W	1240	670	930	650	-	400	1170	650	880	600	-	360	1120	620	840	590	-	360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	-	3470	10890	8040	8200	5510	-	3280	10240	7360	7710	5190	-	3090
		W	1200	660	910	630	-	390	1140	640	860	580	-	350	1090	610	820	570	-	350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	-	3610	11350	8370	8540	5730	-	3410	10670	7700	8030	5390	-	3210
		W	1170	650	880	600	-	370	1110	620	830	550	-	330	1060	600	790	540	-	330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	-	3750	11780	8690	8870	5950	-	3540	11070	8080	8340	5600	-	3330
		W	1140	630	870	600	-	370	1080	600	820	550	-	330	1030	580	780	540	-	330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	-	3900	12200	9000	9180	6170	-	3680	11470	8460	8630	5810	-	3460
		W	1110	610	840	590	-	370	1050	585	790	540	-	330	1000	560	750	530	-	330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	-	4040	12690	9360	9550	6410	-	3820	11930	8780	8980	6030	-	3600
		W	1070	590	810	550	-	330	1010	560	760	500	-	300	960	540	730	490	-	300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	-	4200	13180	9720	9920	6660	-	3970	12390	9090	9320	6270	-	3740
		W	1030	570	770	550	-	330	970	540	730	500	-	300	930	520	700	490	-	300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	-	4360	13670	10080	10290	6920	-	4120	12850	9450	9670	6510	-	3880
		W	980	550	740	510	-	310	930	520	700	470	-	280	890	500	670	460	-	280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	-	4510	14150	10440	10650	7150	-	4260	13300	9810	10010	6730	-	4010
		W	930	520	700	480	-	290	880	490	660	440	-	260	840	470	630	430	-	260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	-	4660	14640	10800	11020	7390	-	4400	13760	10150	10360	6960	-	4140
		W	890	500	670	470	-	290	840	470	630	430	-	260	800	450	600	420	-	260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL09NA
MUZ-GL09NA
2) HEATING

Rated
 Q(Btu/h): 10900
 W: 720

Indoor D.B.		78.8°F / 26.0°C					70°F / 21.1°C					59°F / 15.0°C								
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	16530	13620	12430	8340	- 4730	17200	14170	12940	8680	- 4920	17870	14720	13450	9020	- 5110			
		W	1640	820	1240	830	- 470	1560	780	1180	790	- 450	1480	740	1120	750	- 430			
60	15.6	Q(Btu/h)	15820	12880	11900	7980	- 4520	16500	13440	12410	8330	- 4720	17180	14000	12920	8680	- 4920			
		W	1580	810	1190	800	- 450	1500	770	1130	760	- 430	1420	730	1070	720	- 410			
55	12.8	Q(Btu/h)	15090	12130	11360	7620	- 4310	15800	12700	11890	7980	- 4510	16510	13270	12420	8340	- 4710			
		W	1520	800	1140	760	- 420	1440	760	1080	720	- 400	1360	720	1020	680	- 380			
50	10.0	Q(Btu/h)	14330	11390	10770	7230	- 4090	15050	11970	11320	7600	- 4300	15770	12550	11870	7970	- 4510			
		W	1450	790	1100	740	- 410	1380	750	1040	700	- 390	1310	710	980	660	- 370			
45	7.2	Q(Btu/h)	13560	10650	10200	6850	- 3870	14300	11230	10760	7220	- 4080	15040	11810	11320	7590	- 4290			
		W	1390	770	1040	700	- 390	1320	730	990	660	- 370	1250	690	940	620	- 350			
43	6.1	Q(Btu/h)	13350	10320	10050	6740	- 3820	14100	10900	10610	7120	- 4030	14850	11480	11170	7500	- 4240			
		W	1320	760	990	660	- 380	1250	720	940	630	- 360	1180	680	890	600	- 340			
40	4.4	Q(Btu/h)	12710	9860	9560	6420	- 3630	13450	10440	10120	6790	- 3840	14190	11020	10680	7160	- 4050			
		W	1300	750	970	640	- 370	1230	710	920	610	- 350	1160	670	870	580	- 330			
35	1.7	Q(Btu/h)	12050	9080	9070	6080	- 3450	12800	9650	9630	6460	- 3660	13550	10220	10190	6840	- 3870			
		W	1260	720	950	640	- 370	1200	680	900	610	- 350	1140	640	850	580	- 330			
30	-1.1	Q(Btu/h)	11350	8360	8530	5730	- 3240	12100	8920	9100	6110	- 3460	12850	9480	9670	6490	- 3680			
		W	1200	680	910	610	- 340	1140	650	860	580	- 320	1080	620	810	550	- 300			
25	-3.9	Q(Btu/h)	10640	7630	8010	5370	- 3030	11400	8180	8580	5750	- 3250	12160	8730	9150	6130	- 3470			
		W	1140	650	860	580	- 330	1080	620	820	550	- 310	1020	590	780	520	- 290			
20	-6.7	Q(Btu/h)	9870	6900	7430	4990	- 2830	10650	7440	8010	5380	- 3050	11430	7980	8590	5770	- 3270			
		W	1090	600	810	540	- 310	1030	570	770	510	- 290	970	540	730	480	- 270			
15	-9.4	Q(Btu/h)	9100	6160	6850	4590	- 2600	9900	6700	7450	5000	- 2830	10700	7240	8050	5410	- 3060			
		W	1020	550	770	520	- 290	970	520	730	490	- 280	920	490	690	460	- 270			
10	-12.2	Q(Btu/h)	8300	5390	6240	4190	- 2380	9150	5940	6880	4620	- 2620	10000	6490	7520	5050	- 2860			
		W	960	500	730	480	- 260	910	470	690	460	- 250	860	440	650	440	- 240			
5	-15.0	Q(Btu/h)	7480	4610	5630	3780	- 2140	8400	5180	6320	4240	- 2400	9320	5750	7010	4700	- 2660			
		W	900	430	670	450	- 250	850	410	640	430	- 240	800	390	610	410	- 230			
0	-17.8	Q(Btu/h)	6600	3620	4970	3330	- 1880	7600	4170	5720	3840	- 2170	8600	4720	6470	4350	- 2460			
		W	820	370	620	420	- 240	780	350	590	400	- 230	740	330	560	380	- 220			
-4	-20.0	Q(Btu/h)	5740	2660	4320	2900	- 1640	6800	3150	5120	3430	- 1940	7860	3640	5920	3960	- 2240			
		W	740	310	560	370	- 210	700	290	530	350	- 200	660	270	500	330	- 190			

* Above data is for heating operation without any frost.

MSZ-GL09NA
MUZ-GL09NAH
1) COOLING

Rated
 Q(Btu/h): 9000
 W: 585

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C				
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%
115	46.1	Q(Btu/h)	11020	8280	8290	5570	- 3320	10430	7700	7850	5270	- 3140	9800	7020	7380	4960	- 2960
		W	1240	670	930	650	- 400	1170	650	880	600	- 360	1120	620	840	590	- 360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	- 3470	10890	8040	8200	5510	- 3280	10240	7360	7710	5190	- 3090
		W	1200	660	910	630	- 390	1140	640	860	580	- 350	1090	610	820	570	- 350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	- 3610	11350	8370	8540	5730	- 3410	10670	7700	8030	5390	- 3210
		W	1170	650	880	600	- 370	1110	620	830	550	- 330	1060	600	790	540	- 330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	- 3750	11780	8690	8870	5950	- 3540	11070	8080	8340	5600	- 3330
		W	1140	630	870	600	- 370	1080	600	820	550	- 330	1030	580	780	540	- 330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	- 3900	12200	9000	9180	6170	- 3680	11470	8460	8630	5810	- 3460
		W	1110	610	840	590	- 370	1050	585	790	540	- 330	1000	560	750	530	- 330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	- 4040	12690	9360	9550	6410	- 3820	11930	8780	8980	6030	- 3600
		W	1070	590	810	550	- 330	1010	560	760	500	- 300	960	540	730	490	- 300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	- 4200	13180	9720	9920	6660	- 3970	12390	9090	9320	6270	- 3740
		W	1030	570	770	550	- 330	970	540	730	500	- 300	930	520	700	490	- 300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	- 4360	13670	10080	10290	6920	- 4120	12850	9450	9670	6510	- 3880
		W	980	550	740	510	- 310	930	520	700	470	- 280	890	500	670	460	- 280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	- 4510	14150	10440	10650	7150	- 4260	13300	9810	10010	6730	- 4010
		W	930	520	700	480	- 290	880	490	660	440	- 260	840	470	630	430	- 260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	- 4660	14640	10800	11020	7390	- 4400	13760	10150	10360	6960	- 4140
		W	890	500	670	470	- 290	840	470	630	430	- 260	800	450	600	420	- 260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	- 3990	12510	9230	9420	6320	- 3770	11760	8670	8860	5950	- 3550
		W	1010	560	770	540	- 330	950	530	720	490	- 300	900	510	690	480	- 300

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL09NA
MUZ-GL09NAH
2) HEATING

Rated
 Q(Btu/h): 10900
 W: 720

Indoor D.B.		78.8°F / 26.0°C					70°F / 21.1°C					59°F / 15.0°C								
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	16530	13620	12430	8340	- 4730	17200	14170	12940	8680	- 4920	17870	14720	13450	9020	- 5110			
		W	1640	820	1240	830	- 470	1560	780	1180	790	- 450	1480	740	1120	750	- 430			
60	15.6	Q(Btu/h)	15820	12880	11900	7980	- 4520	16500	13440	12410	8330	- 4720	17180	14000	12920	8680	- 4920			
		W	1580	810	1190	800	- 450	1500	770	1130	760	- 430	1420	730	1070	720	- 410			
55	12.8	Q(Btu/h)	15090	12130	11360	7620	- 4310	15800	12700	11890	7980	- 4510	16510	13270	12420	8340	- 4710			
		W	1520	800	1140	760	- 420	1440	760	1080	720	- 400	1360	720	1020	680	- 380			
50	10.0	Q(Btu/h)	14330	11390	10770	7230	- 4090	15050	11970	11320	7600	- 4300	15770	12550	11870	7970	- 4510			
		W	1450	790	1100	740	- 410	1380	750	1040	700	- 390	1310	710	980	660	- 370			
45	7.2	Q(Btu/h)	13560	10650	10200	6850	- 3870	14300	11230	10760	7220	- 4080	15040	11810	11320	7590	- 4290			
		W	1390	770	1040	700	- 390	1320	730	990	660	- 370	1250	690	940	620	- 350			
43	6.1	Q(Btu/h)	13350	10320	10050	6740	- 3820	14100	10900	10610	7120	- 4030	14850	11480	11170	7500	- 4240			
		W	1320	760	990	660	- 380	1250	720	940	630	- 360	1180	680	890	600	- 340			
40	4.4	Q(Btu/h)	12710	9860	9560	6420	- 3630	13450	10440	10120	6790	- 3840	14190	11020	10680	7160	- 4050			
		W	1300	750	970	640	- 370	1230	710	920	610	- 350	1160	670	870	580	- 330			
35	1.7	Q(Btu/h)	12050	9080	9070	6080	- 3450	12800	9650	9630	6460	- 3660	13550	10220	10190	6840	- 3870			
		W	1260	720	950	640	- 370	1200	680	900	610	- 350	1140	640	850	580	- 330			
30	-1.1	Q(Btu/h)	11350	8360	8530	5730	- 3240	12100	8920	9100	6110	- 3460	12850	9480	9670	6490	- 3680			
		W	1330	810	1040	740	- 470	1270	780	990	710	- 450	1210	750	940	680	- 430			
25	-3.9	Q(Btu/h)	10640	7630	8010	5370	- 3030	11400	8180	8580	5750	- 3250	12160	8730	9150	6130	- 3470			
		W	1270	780	990	710	- 460	1210	750	950	680	- 440	1150	720	910	650	- 420			
20	-6.7	Q(Btu/h)	9870	6900	7430	4990	- 2830	10650	7440	8010	5380	- 3050	11430	7980	8590	5770	- 3270			
		W	1220	730	940	670	- 440	1160	700	900	640	- 420	1100	670	860	610	- 400			
15	-9.4	Q(Btu/h)	9100	6160	6850	4590	- 2600	9900	6700	7450	5000	- 2830	10700	7240	8050	5410	- 3060			
		W	1150	680	900	650	- 420	1100	650	860	620	- 410	1050	620	820	590	- 400			
10	-12.2	Q(Btu/h)	8300	5390	6240	4190	- 2380	9150	5940	6880	4620	- 2620	10000	6490	7520	5050	- 2860			
		W	1090	630	860	610	- 390	1040	600	820	590	- 380	990	570	780	570	- 370			
5	-15.0	Q(Btu/h)	7480	4610	5630	3780	- 2140	8400	5180	6320	4240	- 2400	9320	5750	7010	4700	- 2660			
		W	1030	560	800	580	- 380	980	540	770	560	- 370	930	520	740	540	- 360			
0	-17.8	Q(Btu/h)	6600	3620	4970	3330	- 1880	7600	4170	5720	3840	- 2170	8600	4720	6470	4350	- 2460			
		W	950	500	750	550	- 370	910	480	720	530	- 360	870	460	690	510	- 350			
-4	-20.0	Q(Btu/h)	5740	2660	4320	2900	- 1640	6800	3150	5120	3430	- 1940	7860	3640	5920	3960	- 2240			
		W	870	440	690	500	- 340	830	420	660	480	- 330	790	400	630	460	- 320			

* Above data is for heating operation without any frost.

MSZ-GL12NA
MUZ-GL12NA
1) COOLING

Rated
Q(Btu/h): 12000
W: 920

Indoor W.B.			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
Outdoor D.B.			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																			
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL12NA
MUZ-GL12NA
2) HEATING

Rated
 Q(Btu/h): 14400
 W: 1100

Indoor D.B.		78.8°F / 26.0°C							70°F / 21.1°C					59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21810	17990	16460	10900	5560	2230	22700	18720	17130	11340	5790	2320	23590	19450	17800	11780	6020	2410
		W	1970	1250	1490	980	500	200	1870	1190	1410	930	470	190	1770	1130	1330	880	440	180
60	15.6	Q(Btu/h)	20750	17010	15670	10380	5300	2120	21650	17750	16350	10830	5530	2210	22550	18490	17030	11280	5760	2300
		W	1900	1240	1440	960	480	190	1800	1180	1370	910	460	180	1700	1120	1300	860	440	170
55	12.8	Q(Btu/h)	19680	16030	14870	9850	5030	2010	20600	16780	15560	10310	5260	2100	21520	17530	16250	10770	5490	2190
		W	1810	1230	1370	910	460	190	1720	1170	1300	860	440	180	1630	1110	1230	810	420	170
50	10.0	Q(Btu/h)	18610	15050	14050	9310	4750	1900	19550	15810	14760	9780	4990	2000	20490	16570	15470	10250	5230	2100
		W	1740	1210	1310	860	440	180	1650	1150	1240	820	420	170	1560	1090	1170	780	400	160
45	7.2	Q(Btu/h)	17540	14060	13250	8770	4480	1790	18500	14830	13970	9250	4720	1890	19460	15600	14690	9730	4960	1990
		W	1660	1180	1260	840	430	170	1580	1120	1200	800	410	160	1500	1060	1140	760	390	150
43	6.1	Q(Btu/h)	17140	13640	12930	8560	4370	1750	18100	14400	13660	9040	4620	1850	19060	15160	14390	9520	4870	1950
		W	1710	1160	1290	850	430	170	1620	1100	1220	810	410	160	1530	1040	1150	770	390	150
40	4.4	Q(Btu/h)	16300	13030	12310	8150	4160	1660	17250	13790	13030	8630	4400	1760	18200	14550	13750	9110	4640	1860
		W	1610	1150	1210	800	400	160	1530	1090	1150	760	380	150	1450	1030	1090	720	360	140
35	1.7	Q(Btu/h)	15440	11990	11660	7730	3940	1580	16400	12740	12390	8210	4190	1680	17360	13490	13120	8690	4440	1780
		W	1520	1110	1140	750	390	160	1440	1050	1080	710	370	150	1360	990	1020	670	350	140
30	-1.1	Q(Btu/h)	14390	11040	10860	7190	3670	1460	15350	11770	11580	7670	3910	1560	16310	12500	12300	8150	4150	1660
		W	1440	1050	1090	720	370	150	1370	1000	1030	680	350	140	1300	950	970	640	330	130
25	-3.9	Q(Btu/h)	13340	10080	10080	6670	3410	1360	14300	10800	10800	7150	3650	1460	15260	11520	11520	7630	3890	1560
		W	1370	990	1040	700	360	150	1300	940	990	660	340	140	1230	890	940	620	320	130
20	-6.7	Q(Btu/h)	12330	9110	9310	6160	3130	1250	13300	9830	10040	6640	3380	1350	14270	10550	10770	7120	3630	1450
		W	1300	920	980	640	330	130	1230	870	930	610	310	120	1160	820	880	580	290	110
15	-9.4	Q(Btu/h)	11300	8140	8540	5650	2880	1150	12300	8860	9290	6150	3130	1250	13300	9580	10040	6650	3380	1350
		W	1220	830	920	600	310	130	1160	790	870	570	290	120	1100	750	820	540	270	110
10	-12.2	Q(Btu/h)	10200	7120	7700	5100	2600	1040	11250	7850	8490	5620	2870	1150	12300	8580	9280	6140	3140	1260
		W	1150	750	870	580	290	120	1090	710	830	550	280	110	1030	670	790	520	270	100
5	-15.0	Q(Btu/h)	9080	6090	6860	4540	2320	930	10200	6840	7700	5100	2600	1040	11320	7590	8540	5660	2880	1150
		W	1070	650	820	540	270	110	1020	620	780	510	260	100	970	590	740	480	250	90
0	-17.8	Q(Btu/h)	7810	4830	5890	3900	1990	800	9000	5570	6790	4490	2290	920	10190	6310	7690	5080	2590	1040
		W	990	570	740	500	250	110	940	540	700	470	240	100	890	510	660	440	230	90
-4	-20.0	Q(Btu/h)	6590	3630	4970	3290	1680	680	7800	4300	5880	3900	1990	800	9010	4970	6790	4510	2300	920
		W	900	470	670	440	220	80	850	450	640	420	210	80	800	430	610	400	200	80

* Above data is for heating operation without any frost.

MSZ-GL12NA
MUZ-GL12NAH
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 920

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
		W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	Q(Btu/h)	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
		W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	Q(Btu/h)	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
		W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	Q(Btu/h)	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
		W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	Q(Btu/h)	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
		W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	Q(Btu/h)	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
		W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	Q(Btu/h)	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
		W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	Q(Btu/h)	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
		W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	Q(Btu/h)	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
		W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	Q(Btu/h)	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
		W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	Q(Btu/h)	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
		W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL12NA
MUZ-GL12NAH
2) HEATING

Rated
 Q(Btu/h): 14400
 W: 1100

Indoor D.B.		78.8°F / 26.0°C							70°F / 21.1°C					59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	21810	17990	16460	10900	5560	2230	22700	18720	17130	11340	5790	2320	23590	19450	17800	11780	6020	2410
		W	1970	1250	1490	980	500	200	1870	1190	1410	930	470	190	1770	1130	1330	880	440	180
60	15.6	Q(Btu/h)	20750	17010	15670	10380	5300	2120	21650	17750	16350	10830	5530	2210	22550	18490	17030	11280	5760	2300
		W	1900	1240	1440	960	480	190	1800	1180	1370	910	460	180	1700	1120	1300	860	440	170
55	12.8	Q(Btu/h)	19680	16030	14870	9850	5030	2010	20600	16780	15560	10310	5260	2100	21520	17530	16250	10770	5490	2190
		W	1810	1230	1370	910	460	190	1720	1170	1300	860	440	180	1630	1110	1230	810	420	170
50	10.0	Q(Btu/h)	18610	15050	14050	9310	4750	1900	19550	15810	14760	9780	4990	2000	20490	16570	15470	10250	5230	2100
		W	1740	1210	1310	860	440	180	1650	1150	1240	820	420	170	1560	1090	1170	780	400	160
45	7.2	Q(Btu/h)	17540	14060	13250	8770	4480	1790	18500	14830	13970	9250	4720	1890	19460	15600	14690	9730	4960	1990
		W	1660	1180	1260	840	430	170	1580	1120	1200	800	410	160	1500	1060	1140	760	390	150
43	6.1	Q(Btu/h)	17140	13640	12930	8560	4370	1750	18100	14400	13660	9040	4620	1850	19060	15160	14390	9520	4870	1950
		W	1710	1160	1290	850	430	170	1620	1100	1220	810	410	160	1530	1040	1150	770	390	150
40	4.4	Q(Btu/h)	16300	13030	12310	8150	4160	1660	17250	13790	13030	8630	4400	1760	18200	14550	13750	9110	4640	1860
		W	1610	1150	1210	800	400	160	1530	1090	1150	760	380	150	1450	1030	1090	720	360	140
35	1.7	Q(Btu/h)	15440	11990	11660	7730	3940	1580	16400	12740	12390	8210	4190	1680	17360	13490	13120	8690	4440	1780
		W	1520	1110	1140	750	390	160	1440	1050	1080	710	370	150	1360	990	1020	670	350	140
30	-1.1	Q(Btu/h)	14390	11040	10860	7190	3670	1460	15350	11770	11580	7670	3910	1560	16310	12500	12300	8150	4150	1660
		W	1570	1180	1220	850	500	280	1500	1130	1160	810	480	270	1430	1080	1100	770	460	260
25	-3.9	Q(Btu/h)	13340	10080	10080	6670	3410	1360	14300	10800	10800	7150	3650	1460	15260	11520	11520	7630	3890	1560
		W	1500	1120	1170	830	490	280	1430	1070	1120	790	470	270	1360	1020	1070	750	450	260
20	-6.7	Q(Btu/h)	12330	9110	9310	6160	3130	1250	13300	9830	10040	6640	3380	1350	14270	10550	10770	7120	3630	1450
		W	1430	1050	1110	770	460	260	1360	1000	1060	740	440	250	1290	950	1010	710	420	240
15	-9.4	Q(Btu/h)	11300	8140	8540	5650	2880	1150	12300	8860	9290	6150	3130	1250	13300	9580	10040	6650	3380	1350
		W	1350	960	1050	730	440	260	1290	920	1000	700	420	250	1230	880	950	670	400	240
10	-12.2	Q(Btu/h)	10200	7120	7700	5100	2600	1040	11250	7850	8490	5620	2870	1150	12300	8580	9280	6140	3140	1260
		W	1280	880	1000	710	420	250	1220	840	960	680	410	240	1160	800	920	650	400	230
5	-15.0	Q(Btu/h)	9080	6090	6860	4540	2320	930	10200	6840	7700	5100	2600	1040	11320	7590	8540	5660	2880	1150
		W	1200	780	950	670	400	240	1150	750	910	640	390	230	1100	720	870	610	380	220
0	-17.8	Q(Btu/h)	7810	4830	5890	3900	1990	800	9000	5570	6790	4490	2290	920	10190	6310	7690	5080	2590	1040
		W	1120	700	870	630	380	240	1070	670	830	600	370	230	1020	640	790	570	360	220
-4	-20.0	Q(Btu/h)	6590	3630	4970	3290	1680	680	7800	4300	5880	3900	1990	800	9010	4970	6790	4510	2300	920
		W	1030	600	800	570	350	210	980	580	770	550	340	210	930	560	740	530	330	210

* Above data is for heating operation without any frost.

MSZ-GL15NA
MUZ-GL15NA
1) COOLING

Rated
 Q(Btu/h): 14000
 W: 1080

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL15NA
MUZ-GL15NA
2) HEATING

Rated
Q(Btu/h): 18000
W: 1600

Indoor D.B.		78.8°F / 26.0°C							70°F / 21.1°C					59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	23930	22480	18060	11960	6100	3520	24900	23400	18800	12450	6350	3660	25870	24320	19540	12940	6600	3800
		W	2110	1820	1580	1040	540	310	2000	1730	1500	990	510	290	1890	1640	1420	940	480	270
60	15.6	Q(Btu/h)	23000	21270	17370	11500	5870	3380	24000	22190	18120	12000	6120	3530	25000	23110	18870	12500	6370	3680
		W	2160	1810	1630	1090	560	330	2050	1720	1550	1030	530	310	1940	1630	1470	970	500	290
55	12.8	Q(Btu/h)	22070	20030	16660	11030	5630	3250	23100	20970	17440	11550	5890	3400	24130	21910	18220	12070	6150	3550
		W	2200	1790	1660	1110	560	330	2090	1700	1580	1050	530	310	1980	1610	1500	990	500	290
50	10.0	Q(Btu/h)	21130	18810	15940	10560	5390	3110	22200	19760	16750	11090	5660	3270	23270	20710	17560	11620	5930	3430
		W	2170	1760	1640	1100	560	330	2060	1670	1560	1040	530	310	1950	1580	1480	980	500	290
45	7.2	Q(Btu/h)	20200	17580	15250	10100	5150	2970	21300	18540	16080	10650	5430	3130	22400	19500	16910	11200	5710	3290
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	2920	20900	18000	15780	10450	5330	3080	22010	18960	16620	11000	5610	3240
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	19090	16290	14410	9540	4870	2810	20200	17240	15250	10100	5150	2970	21310	18190	16090	10660	5430	3130
		W	2050	1660	1550	1020	520	290	1950	1580	1470	970	490	280	1850	1500	1390	920	460	270
35	1.7	Q(Btu/h)	18360	15000	13860	9180	4680	2700	19500	15930	14720	9750	4970	2870	20640	16860	15580	10320	5260	3040
		W	1990	1600	1510	990	510	290	1890	1520	1430	940	480	280	1790	1440	1350	890	450	270
30	-1.1	Q(Btu/h)	17440	13800	13170	8730	4440	2560	18600	14720	14050	9310	4740	2730	19760	15640	14930	9890	5040	2900
		W	1940	1530	1460	970	500	280	1840	1450	1390	920	470	270	1740	1370	1320	870	440	260
25	-3.9	Q(Btu/h)	16520	12600	12470	8260	4210	2430	17700	13500	13360	8850	4510	2600	18880	14400	14250	9440	4810	2770
		W	1880	1440	1420	940	480	280	1780	1370	1350	890	460	270	1680	1300	1280	840	440	260
20	-6.7	Q(Btu/h)	15580	11390	11760	7790	3970	2290	16800	12290	12680	8400	4280	2470	18020	13190	13600	9010	4590	2650
		W	1820	1330	1380	920	460	260	1730	1260	1310	870	440	250	1640	1190	1240	820	420	240
15	-9.4	Q(Btu/h)	14610	10170	11030	7300	3720	2150	15900	11070	12000	7950	4050	2340	17190	11970	12970	8600	4380	2530
		W	1770	1210	1340	880	450	260	1680	1150	1270	840	430	250	1590	1090	1200	800	410	240
10	-12.2	Q(Btu/h)	13610	8900	10270	6800	3460	2000	15000	9810	11320	7500	3820	2200	16390	10720	12370	8200	4180	2400
		W	1720	1090	1300	850	430	250	1630	1030	1230	810	410	240	1540	970	1160	770	390	230
5	-15.0	Q(Btu/h)	12560	7610	9490	6290	3210	1850	14100	8550	10650	7060	3600	2080	15640	9490	11810	7830	3990	2310
		W	1650	950	1250	830	430	250	1570	900	1190	790	410	240	1490	850	1130	750	390	230
0	-17.8	Q(Btu/h)	11370	6110	8590	5690	2900	1680	13100	7040	9900	6550	3340	1930	14830	7970	11210	7410	3780	2180
		W	1570	820	1180	780	390	220	1490	780	1120	740	370	210	1410	740	1060	700	350	200
-4	-20.0	Q(Btu/h)	10220	4670	7710	5100	2600	1500	12100	5530	9130	6040	3080	1780	13980	6390	10550	6980	3560	2060
		W	1470	700	1110	730	370	210	1400	660	1050	690	350	200	1330	620	990	650	330	190

* Above data is for heating operation without any frost.

MSZ-GL15NA
MUZ-GL15NAH
1) COOLING

Rated
 Q(Btu/h): 14000
 W: 1080

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL15NA
MUZ-GL15NAH
2) HEATING

Rated
Q(Btu/h): 18000
W: 1600

Indoor D.B.		78.8°F / 26.0°C							70°F / 21.1°C					59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	23930	22480	18060	11960	6100	3520	24900	23400	18800	12450	6350	3660	25870	24320	19540	12940	6600	3800
		W	2110	1820	1580	1040	540	310	2000	1730	1500	990	510	290	1890	1640	1420	940	480	270
60	15.6	Q(Btu/h)	23000	21270	17370	11500	5870	3380	24000	22190	18120	12000	6120	3530	25000	23110	18870	12500	6370	3680
		W	2160	1810	1630	1090	560	330	2050	1720	1550	1030	530	310	1940	1630	1470	970	500	290
55	12.8	Q(Btu/h)	22070	20030	16660	11030	5630	3250	23100	20970	17440	11550	5890	3400	24130	21910	18220	12070	6150	3550
		W	2200	1790	1660	1110	560	330	2090	1700	1580	1050	530	310	1980	1610	1500	990	500	290
50	10.0	Q(Btu/h)	21130	18810	15940	10560	5390	3110	22200	19760	16750	11090	5660	3270	23270	20710	17560	11620	5930	3430
		W	2170	1760	1640	1100	560	330	2060	1670	1560	1040	530	310	1950	1580	1480	980	500	290
45	7.2	Q(Btu/h)	20200	17580	15250	10100	5150	2970	21300	18540	16080	10650	5430	3130	22400	19500	16910	11200	5710	3290
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	2920	20900	18000	15780	10450	5330	3080	22010	18960	16620	11000	5610	3240
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	19090	16290	14410	9540	4870	2810	20200	17240	15250	10100	5150	2970	21310	18190	16090	10660	5430	3130
		W	2050	1660	1550	1020	520	290	1950	1580	1470	970	490	280	1850	1500	1390	920	460	270
35	1.7	Q(Btu/h)	18360	15000	13860	9180	4680	2700	19500	15930	14720	9750	4970	2870	20640	16860	15580	10320	5260	3040
		W	1990	1600	1510	990	510	290	1890	1520	1430	940	480	280	1790	1440	1350	890	450	270
30	-1.1	Q(Btu/h)	17440	13800	13170	8730	4440	2560	18600	14720	14050	9310	4740	2730	19760	15640	14930	9890	5040	2900
		W	2070	1660	1590	1100	630	410	1970	1580	1520	1050	600	400	1870	1500	1450	1000	570	390
25	-3.9	Q(Btu/h)	16520	12600	12470	8260	4210	2430	17700	13500	13360	8850	4510	2600	18880	14400	14250	9440	4810	2770
		W	2010	1570	1550	1070	610	410	1910	1500	1480	1020	590	400	1810	1430	1410	970	570	390
20	-6.7	Q(Btu/h)	15580	11390	11760	7790	3970	2290	16800	12290	12680	8400	4280	2470	18020	13190	13600	9010	4590	2650
		W	1950	1460	1510	1050	590	390	1860	1390	1440	1000	570	380	1770	1320	1370	950	550	370
15	-9.4	Q(Btu/h)	14610	10170	11030	7300	3720	2150	15900	11070	12000	7950	4050	2340	17190	11970	12970	8600	4380	2530
		W	1900	1340	1470	1010	580	390	1810	1280	1400	970	560	380	1720	1220	1330	930	540	370
10	-12.2	Q(Btu/h)	13610	8900	10270	6800	3460	2000	15000	9810	11320	7500	3820	2200	16390	10720	12370	8200	4180	2400
		W	1850	1220	1430	980	560	380	1760	1160	1360	940	540	370	1670	1100	1290	900	520	360
5	-15.0	Q(Btu/h)	12560	7610	9490	6290	3210	1850	14100	8550	10650	7060	3600	2080	15640	9490	11810	7830	3990	2310
		W	1780	1080	1380	960	560	380	1700	1030	1320	920	540	370	1620	980	1260	880	520	360
0	-17.8	Q(Btu/h)	11370	6110	8590	5690	2900	1680	13100	7040	9900	6550	3340	1930	14830	7970	11210	7410	3780	2180
		W	1700	950	1310	910	520	350	1620	910	1250	870	500	340	1540	870	1190	830	480	330
-4	-20.0	Q(Btu/h)	10220	4670	7710	5100	2600	1500	12100	5530	9130	6040	3080	1780	13980	6390	10550	6980	3560	2060
		W	1600	830	1240	860	500	340	1530	790	1180	820	480	330	1460	750	1120	780	460	320

* Above data is for heating operation without any frost.

MSZ-GL18NA
MUZ-GL18NA
1) COOLING

Rated
 Q(Btu/h): 18000
 W: 1340

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL18NA
MUZ-GL18NA
2) HEATING

Rated
 Q(Btu/h): 21600
 W: 1680

Indoor D.B.		78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	29500	26980	22190	14870	7310	5040	30700	28080	23090	15480	7610	5250	31900	29180	23990	16090	7910	5460
		W	2990	1910	2240	1500	740	510	2840	1810	2130	1420	700	480	2690	1710	2020	1340	660	450
60	15.6	Q(Btu/h)	28130	25520	21150	14190	6970	4800	29350	26620	22070	14800	7270	5010	30570	27720	22990	15410	7570	5220
		W	2920	1900	2200	1470	730	510	2770	1800	2090	1400	690	480	2620	1700	1980	1330	650	450
55	12.8	Q(Btu/h)	26750	24040	20120	13490	6630	4580	28000	25160	21060	14120	6940	4790	29250	26280	22000	14750	7250	5000
		W	2830	1880	2130	1430	710	480	2690	1780	2020	1360	670	460	2550	1680	1910	1290	630	440
50	10.0	Q(Btu/h)	25370	22570	19070	12790	6290	4340	26650	23710	20040	13440	6610	4560	27930	24850	21010	14090	6930	4780
		W	2750	1840	2060	1380	670	460	2610	1750	1960	1310	640	440	2470	1660	1860	1240	610	420
45	7.2	Q(Btu/h)	23990	21100	18050	12100	5950	4100	25300	22250	19030	12760	6270	4320	26610	23400	20010	13420	6590	4540
		W	2670	1800	2000	1340	650	450	2530	1710	1900	1270	620	430	2390	1620	1800	1200	590	410
43	6.1	Q(Btu/h)	23670	20450	17810	11940	5870	4050	25000	21600	18810	12610	6200	4280	26330	22750	19810	13280	6530	4510
		W	2630	1770	1980	1330	650	450	2500	1680	1880	1260	620	430	2370	1590	1780	1190	590	410
40	4.4	Q(Btu/h)	22490	19550	16910	11340	5570	3850	23800	20690	17900	12000	5900	4070	25110	21830	18890	12660	6230	4290
		W	2570	1750	1930	1300	630	430	2440	1660	1830	1230	600	410	2310	1570	1730	1160	570	390
35	1.7	Q(Btu/h)	21280	18000	16000	10730	5270	3630	22600	19120	17000	11400	5600	3860	23920	20240	18000	12070	5930	4090
		W	2510	1690	1900	1270	620	430	2380	1600	1800	1210	590	410	2250	1510	1700	1150	560	390
30	-1.1	Q(Btu/h)	19880	16560	14960	10030	4930	3400	21200	17660	15950	10700	5260	3630	22520	18760	16940	11370	5590	3860
		W	2430	1600	1820	1220	600	410	2310	1520	1730	1160	570	390	2190	1440	1640	1100	540	370
25	-3.9	Q(Btu/h)	18480	15120	13890	9310	4580	3160	19800	16200	14890	9980	4910	3390	21120	17280	15890	10650	5240	3620
		W	2350	1520	1770	1190	590	410	2230	1440	1680	1130	560	390	2110	1360	1590	1070	530	370
20	-6.7	Q(Btu/h)	17380	13670	13080	8770	4310	2980	18750	14740	14110	9460	4650	3210	20120	15810	15140	10150	4990	3440
		W	2250	1400	1700	1140	560	390	2140	1330	1610	1080	530	370	2030	1260	1520	1020	500	350
15	-9.4	Q(Btu/h)	16260	12200	12230	8200	4030	2780	17700	13280	13310	8930	4390	3030	19140	14360	14390	9660	4750	3280
		W	2160	1270	1620	1100	540	370	2050	1210	1540	1040	510	350	1940	1150	1460	980	480	330
10	-12.2	Q(Btu/h)	14880	10680	11190	7510	3690	2550	16400	11770	12340	8280	4070	2810	17920	12860	13490	9050	4450	3070
		W	2080	1140	1560	1040	520	360	1970	1080	1480	990	490	340	1860	1020	1400	940	460	320
5	-15.0	Q(Btu/h)	13450	9140	10120	6790	3340	2310	15100	10260	11360	7620	3750	2590	16750	11380	12600	8450	4160	2870
		W	1980	1000	1490	990	480	340	1880	950	1410	940	460	320	1780	900	1330	890	440	300
0	-17.8	Q(Btu/h)	11890	7620	8940	5990	2940	2030	13700	8780	10300	6900	3390	2340	15510	9940	11660	7810	3840	2650
		W	1890	870	1420	950	460	320	1790	830	1350	900	440	300	1690	790	1280	850	420	280
-4	-20.0	Q(Btu/h)	10470	6160	7870	5280	2590	1790	12400	7300	9320	6250	3070	2120	14330	8440	10770	7220	3550	2450
		W	1800	750	1350	910	450	320	1710	710	1280	860	430	300	1620	670	1210	810	410	280

* Above data is for heating operation without any frost.

MSZ-GL18NA
MUZ-GL18NAH
1) COOLING

Rated
 Q(Btu/h): 18000
 W: 1340

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
		W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110	43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
		W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105	40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
		W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100	37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
		W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95	35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
		W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90	32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
		W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85	29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
		W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80	26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
		W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75	23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
		W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70	21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
		W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65	18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60	15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55	12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50	10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45	7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40	4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35	1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30	-1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25	-3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20	-6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15	-9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
		W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL18NA
MUZ-GL18NAH
2) HEATING

Rated
 Q(Btu/h): 21600
 W: 1680

Indoor D.B.		78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	29500	26980	22190	14870	7310	5040	30700	28080	23090	15480	7610	5250	31900	29180	23990	16090	7910	5460
		W	2990	1910	2240	1500	740	510	2840	1810	2130	1420	700	480	2690	1710	2020	1340	660	450
60	15.6	Q(Btu/h)	28130	25520	21150	14190	6970	4800	29350	26620	22070	14800	7270	5010	30570	27720	22990	15410	7570	5220
		W	2920	1900	2200	1470	730	510	2770	1800	2090	1400	690	480	2620	1700	1980	1330	650	450
55	12.8	Q(Btu/h)	26750	24040	20120	13490	6630	4580	28000	25160	21060	14120	6940	4790	29250	26280	22000	14750	7250	5000
		W	2830	1880	2130	1430	710	480	2690	1780	2020	1360	670	460	2550	1680	1910	1290	630	440
50	10.0	Q(Btu/h)	25370	22570	19070	12790	6290	4340	26650	23710	20040	13440	6610	4560	27930	24850	21010	14090	6930	4780
		W	2750	1840	2060	1380	670	460	2610	1750	1960	1310	640	440	2470	1660	1860	1240	610	420
45	7.2	Q(Btu/h)	23990	21100	18050	12100	5950	4100	25300	22250	19030	12760	6270	4320	26610	23400	20010	13420	6590	4540
		W	2670	1800	2000	1340	650	450	2530	1710	1900	1270	620	430	2390	1620	1800	1200	590	410
43	6.1	Q(Btu/h)	23670	20450	17810	11940	5870	4050	25000	21600	18810	12610	6200	4280	26330	22750	19810	13280	6530	4510
		W	2630	1770	1980	1330	650	450	2500	1680	1880	1260	620	430	2370	1590	1780	1190	590	410
40	4.4	Q(Btu/h)	22490	19550	16910	11340	5570	3850	23800	20690	17900	12000	5900	4070	25110	21830	18890	12660	6230	4290
		W	2570	1750	1930	1300	630	430	2440	1660	1830	1230	600	410	2310	1570	1730	1160	570	390
35	1.7	Q(Btu/h)	21280	18000	16000	10730	5270	3630	22600	19120	17000	11400	5600	3860	23920	20240	18000	12070	5930	4090
		W	2510	1690	1900	1270	620	430	2380	1600	1800	1210	590	410	2250	1510	1700	1150	560	390
30	-1.1	Q(Btu/h)	19880	16560	14960	10030	4930	3400	21200	17660	15950	10700	5260	3630	22520	18760	16940	11370	5590	3860
		W	2560	1730	1950	1350	730	540	2440	1650	1860	1290	700	520	2320	1570	1770	1230	670	500
25	-3.9	Q(Btu/h)	18480	15120	13890	9310	4580	3160	19800	16200	14890	9980	4910	3390	21120	17280	15890	10650	5240	3620
		W	2480	1650	1900	1320	720	540	2360	1570	1810	1260	690	520	2240	1490	1720	1200	660	500
20	-6.7	Q(Btu/h)	17380	13670	13080	8770	4310	2980	18750	14740	14110	9460	4650	3210	20120	15810	15140	10150	4990	3440
		W	2380	1530	1830	1270	690	520	2270	1460	1740	1210	660	500	2160	1390	1650	1150	630	480
15	-9.4	Q(Btu/h)	16260	12200	12230	8200	4030	2780	17700	13280	13310	8930	4390	3030	19140	14360	14390	9660	4750	3280
		W	2290	1400	1750	1230	670	500	2180	1340	1670	1170	640	480	2070	1280	1590	1110	610	460
10	-12.2	Q(Btu/h)	14880	10680	11190	7510	3690	2550	16400	11770	12340	8280	4070	2810	17920	12860	13490	9050	4450	3070
		W	2210	1270	1690	1170	650	490	2100	1210	1610	1120	620	470	1990	1150	1530	1070	590	450
5	-15.0	Q(Btu/h)	13450	9140	10120	6790	3340	2310	15100	10260	11360	7620	3750	2590	16750	11380	12600	8450	4160	2870
		W	2110	1130	1620	1120	610	470	2010	1080	1540	1070	590	450	1910	1030	1460	1020	570	430
0	-17.8	Q(Btu/h)	11890	7620	8940	5990	2940	2030	13700	8780	10300	6900	3390	2340	15510	9940	11660	7810	3840	2650
		W	2020	1000	1550	1080	590	450	1920	960	1480	1030	570	430	1820	920	1410	980	550	410
-4	-20.0	Q(Btu/h)	10470	6160	7870	5280	2590	1790	12400	7300	9320	6250	3070	2120	14330	8440	10770	7220	3550	2450
		W	1930	880	1480	1040	580	450	1840	840	1410	990	560	430	1750	800	1340	940	540	410

* Above data is for heating operation without any frost.

MSZ-GL24NA
MUZ-GL24NA
1) COOLING

Rated
 Q(Btu/h): 22500
 W: 1800

Indoor W.B. Outdoor D.B. (°F) (°C)	71°F / 21.7°C								67°F / 19.4°C					63°F / 17.2°C					
	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115 46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
	W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110 43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
	W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105 40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
	W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100 37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
	W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95 35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
	W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90 32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
	W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85 29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
	W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80 26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
	W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75 23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
	W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70 21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
	W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65 18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60 15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55 12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50 10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45 7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40 4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35 1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30 -1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25 -3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20 -6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15 -9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL24NA
MUZ-GL24NA
2) HEATING

Rated
 Q(Btu/h): 27600
 W: 2340

Indoor D.B.		78.8°F / 26.0°C							70°F / 21.1°C					59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	36700	26980	27530	18350	9180	7960	38200	28080	28650	19100	9550	8280	39700	29180	29770	19850	9920	8600
		W	4060	2670	3040	2030	1010	870	3850	2530	2890	1930	960	830	3640	2390	2740	1830	910	790
60	15.6	Q(Btu/h)	36620	28870	27460	18310	9150	7940	38200	30120	28650	19100	9550	8280	39780	31370	29840	19890	9950	8620
		W	4000	2640	3000	2000	1000	860	3800	2510	2850	1900	950	820	3600	2380	2700	1800	900	780
55	12.8	Q(Btu/h)	36490	30710	27370	18250	9120	7910	38200	32150	28650	19100	9550	8280	39910	33590	29930	19950	9980	8650
		W	3940	2610	2960	1980	990	850	3740	2480	2810	1880	940	810	3540	2350	2660	1780	890	770
50	10.0	Q(Btu/h)	35790	28830	26840	17890	8950	7760	37600	30290	28200	18800	9400	8150	39410	31750	29560	19710	9850	8540
		W	3890	2570	2920	1950	980	850	3690	2440	2770	1850	930	810	3490	2310	2620	1750	880	770
45	7.2	Q(Btu/h)	35090	26960	26320	17540	8770	7610	37000	28430	27750	18500	9250	8020	38910	29900	29180	19460	9730	8430
		W	3820	2520	2880	1920	960	830	3630	2390	2730	1820	910	790	3440	2260	2580	1720	860	750
43	6.1	Q(Btu/h)	34940	26130	26210	17470	8740	7580	36900	27600	27680	18450	9230	8000	38860	29070	29150	19430	9720	8420
		W	3770	2470	2820	1880	940	810	3580	2340	2680	1780	890	770	3390	2210	2540	1680	840	730
40	4.4	Q(Btu/h)	32550	24970	24410	16280	8140	7050	34450	26430	25840	17230	8610	7460	36350	27890	27270	18180	9080	7870
		W	3740	2430	2800	1880	940	810	3550	2310	2660	1780	890	770	3360	2190	2520	1680	840	730
35	1.7	Q(Btu/h)	30120	23000	22590	15060	7530	6520	32000	24430	24000	16000	8000	6930	33880	25860	25410	16940	8470	7340
		W	3710	2340	2780	1850	930	800	3520	2220	2640	1760	880	760	3330	2100	2500	1670	830	720
30	-1.1	Q(Btu/h)	27710	21160	20780	13860	6930	6000	29550	22570	22160	14780	7390	6400	31390	23980	23540	15700	7850	6800
		W	3660	2220	2740	1820	910	790	3470	2110	2600	1730	860	750	3280	2000	2460	1640	810	710
25	-3.9	Q(Btu/h)	25290	19320	18970	12640	6330	5490	27100	20700	20330	13550	6780	5880	28910	22080	21690	14460	7230	6270
		W	3590	2110	2700	1800	910	790	3410	2000	2560	1710	860	750	3230	1890	2420	1620	810	710
20	-6.7	Q(Btu/h)	23970	17470	17980	11990	5990	5190	25850	18840	19390	12930	6460	5600	27730	20210	20800	13870	6930	6010
		W	3470	1940	2600	1740	870	760	3290	1840	2470	1650	830	720	3110	1740	2340	1560	790	680
15	-9.4	Q(Btu/h)	22600	15590	16950	11300	5650	4900	24600	16970	18450	12300	6150	5330	26600	18350	19950	13300	6650	5760
		W	3330	1770	2490	1660	830	720	3160	1680	2360	1580	790	680	2990	1590	2230	1500	750	640
10	-12.2	Q(Btu/h)	20320	13640	15240	10160	5080	4400	22400	15040	16800	11200	5600	4850	24480	16440	18360	12240	6120	5300
		W	3240	1580	2430	1620	810	710	3080	1500	2310	1540	770	670	2920	1420	2190	1460	730	630
5	-15.0	Q(Btu/h)	17990	11680	13490	9000	4500	3900	20200	13110	15150	10100	5050	4380	22410	14540	16810	11200	5600	4860
		W	3150	1390	2360	1570	780	670	2990	1320	2240	1490	740	640	2830	1250	2120	1410	700	610
0	-17.8	Q(Btu/h)	15620	9730	11720	7810	3910	3390	18000	11210	13500	9000	4500	3900	20380	12690	15280	10190	5090	4410
		W	3060	1290	2300	1530	770	660	2900	1220	2180	1450	730	630	2740	1150	2060	1370	690	600
-4	-20.0	Q(Btu/h)	13340	7850	10010	6670	3340	2890	15800	9300	11850	7900	3950	3420	18260	10750	13690	9130	4560	3950
		W	2930	1180	2190	1450	730	630	2780	1120	2080	1380	690	600	2630	1060	1970	1310	650	570

* Above data is for heating operation without any frost.

MSZ-GL24NA
MUZ-GL24NAH
1) COOLING

Rated
 Q(Btu/h): 22500
 W: 1800

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
		W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110	43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
		W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105	40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
		W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100	37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
		W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95	35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
		W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90	32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
		W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85	29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
		W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80	26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
		W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75	23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
		W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70	21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
		W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65	18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60	15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55	12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50	10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45	7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40	4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35	1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30	-1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25	-3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20	-6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15	-9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
		W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

* It may not reach the above capacities in low ambient temperatures.

MSZ-GL24NA
MUZ-GL24NAH
2) HEATING

Rated
 Q(Btu/h): 27600
 W: 2340

Indoor D.B.		78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q(Btu/h)	36700	26980	27530	18350	9180	7960	38200	28080	28650	19100	9550	8280	39700	29180	29770	19850	9920	8600
		W	4060	2670	3040	2030	1010	870	3850	2530	2890	1930	960	830	3640	2390	2740	1830	910	790
60	15.6	Q(Btu/h)	36620	28870	27460	18310	9150	7940	38200	30120	28650	19100	9550	8280	39780	31370	29840	19890	9950	8620
		W	4000	2640	3000	2000	1000	860	3800	2510	2850	1900	950	820	3600	2380	2700	1800	900	780
55	12.8	Q(Btu/h)	36490	30710	27370	18250	9120	7910	38200	32150	28650	19100	9550	8280	39910	33590	29930	19950	9980	8650
		W	3940	2610	2960	1980	990	850	3740	2480	2810	1880	940	810	3540	2350	2660	1780	890	770
50	10.0	Q(Btu/h)	35790	28830	26840	17890	8950	7760	37600	30290	28200	18800	9400	8150	39410	31750	29560	19710	9850	8540
		W	3890	2570	2920	1950	980	850	3690	2440	2770	1850	930	810	3490	2310	2620	1750	880	770
45	7.2	Q(Btu/h)	35090	26960	26320	17540	8770	7610	37000	28430	27750	18500	9250	8020	38910	29900	29180	19460	9730	8430
		W	3820	2520	2880	1920	960	830	3630	2390	2730	1820	910	790	3440	2260	2580	1720	860	750
43	6.1	Q(Btu/h)	34940	26130	26210	17470	8740	7580	36900	27600	27680	18450	9230	8000	38860	29070	29150	19430	9720	8420
		W	3770	2470	2820	1880	940	810	3580	2340	2680	1780	890	770	3390	2210	2540	1680	840	730
40	4.4	Q(Btu/h)	32550	24970	24410	16280	8140	7050	34450	26430	25840	17230	8610	7460	36350	27890	27270	18180	9080	7870
		W	3740	2430	2800	1880	940	810	3550	2310	2660	1780	890	770	3360	2190	2520	1680	840	730
35	1.7	Q(Btu/h)	30120	23000	22590	15060	7530	6520	32000	24430	24000	16000	8000	6930	33880	25860	25410	16940	8470	7340
		W	3710	2340	2780	1850	930	800	3520	2220	2640	1760	880	760	3330	2100	2500	1670	830	720
30	-1.1	Q(Btu/h)	27710	21160	20780	13860	6930	6000	29550	22570	22160	14780	7390	6400	31390	23980	23540	15700	7850	6800
		W	3790	2350	2870	1950	1040	920	3600	2240	2730	1860	990	880	3410	2130	2590	1770	940	840
25	-3.9	Q(Btu/h)	25290	19320	18970	12640	6330	5490	27100	20700	20330	13550	6780	5880	28910	22080	21690	14460	7230	6270
		W	3720	2240	2830	1930	1040	920	3540	2130	2690	1840	990	880	3360	2020	2550	1750	940	840
20	-6.7	Q(Btu/h)	23970	17470	17980	11990	5990	5190	25850	18840	19390	12930	6460	5600	27730	20210	20800	13870	6930	6010
		W	3600	2070	2730	1870	1000	890	3420	1970	2600	1780	960	850	3240	1870	2470	1690	920	810
15	-9.4	Q(Btu/h)	22600	15590	16950	11300	5650	4900	24600	16970	18450	12300	6150	5330	26600	18350	19950	13300	6650	5760
		W	3460	1900	2620	1790	960	850	3290	1810	2490	1710	920	810	3120	1720	2360	1630	880	770
10	-12.2	Q(Btu/h)	20320	13640	15240	10160	5080	4400	22400	15040	16800	11200	5600	4850	24480	16440	18360	12240	6120	5300
		W	3370	1710	2560	1750	940	840	3210	1630	2440	1670	900	800	3050	1550	2320	1590	860	760
5	-15.0	Q(Btu/h)	17990	11680	13490	9000	4500	3900	20200	13110	15150	10100	5050	4380	22410	14540	16810	11200	5600	4860
		W	3280	1520	2490	1700	910	800	3120	1450	2370	1620	870	770	2960	1380	2250	1540	830	740
0	-17.8	Q(Btu/h)	15620	9730	11720	7810	3910	3390	18000	11210	13500	9000	4500	3900	20380	12690	15280	10190	5090	4410
		W	3190	1420	2430	1660	900	790	3030	1350	2310	1580	860	760	2870	1280	2190	1500	820	730
-4	-20.0	Q(Btu/h)	13340	7850	10010	6670	3340	2890	15800	9300	11850	7900	3950	3420	18260	10750	13690	9130	4560	3950
		W	3060	1310	2320	1580	860	760	2910	1250	2210	1510	820	730	2760	1190	2100	1440	780	700

* Above data is for heating operation without any frost.

MSY-GL09NA
MUY-GL09NA
1) COOLING

Rated
 Q(Btu/h): 9000
 W: 585

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C							
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	11020	8280	8290	5570	-	3320	10430	7700	7850	5270	-	3140	9800	7020	7380	4960	-	2960
		W	1240	670	930	650	-	400	1170	650	880	600	-	360	1120	620	840	590	-	360
110	43.3	Q(Btu/h)	11510	8640	8660	5830	-	3470	10890	8040	8200	5510	-	3280	10240	7360	7710	5190	-	3090
		W	1200	660	910	630	-	390	1140	640	860	580	-	350	1090	610	820	570	-	350
105	40.6	Q(Btu/h)	11990	9000	9020	6060	-	3610	11350	8370	8540	5730	-	3410	10670	7700	8030	5390	-	3210
		W	1170	650	880	600	-	370	1110	620	830	550	-	330	1060	600	790	540	-	330
100	37.8	Q(Btu/h)	12450	9340	9370	6290	-	3750	11780	8690	8870	5950	-	3540	11070	8080	8340	5600	-	3330
		W	1140	630	870	600	-	370	1080	600	820	550	-	330	1030	580	780	540	-	330
95	35.0	Q(Btu/h)	12890	9680	9700	6520	-	3900	12200	9000	9180	6170	-	3680	11470	8460	8630	5810	-	3460
		W	1110	610	840	590	-	370	1050	585	790	540	-	330	1000	560	750	530	-	330
90	32.2	Q(Btu/h)	13410	10000	10090	6780	-	4040	12690	9360	9550	6410	-	3820	11930	8780	8980	6030	-	3600
		W	1070	590	810	550	-	330	1010	560	760	500	-	300	960	540	730	490	-	300
85	29.4	Q(Btu/h)	13930	10310	10480	7040	-	4200	13180	9720	9920	6660	-	3970	12390	9090	9320	6270	-	3740
		W	1030	570	770	550	-	330	970	540	730	500	-	300	930	520	700	490	-	300
80	26.7	Q(Btu/h)	14440	10670	10870	7320	-	4360	13670	10080	10290	6920	-	4120	12850	9450	9670	6510	-	3880
		W	980	550	740	510	-	310	930	520	700	470	-	280	890	500	670	460	-	280
75	23.9	Q(Btu/h)	14950	11030	11250	7560	-	4510	14150	10440	10650	7150	-	4260	13300	9810	10010	6730	-	4010
		W	930	520	700	480	-	290	880	490	660	440	-	260	840	470	630	430	-	260
70	21.1	Q(Btu/h)	15470	11410	11640	7810	-	4660	14640	10800	11020	7390	-	4400	13760	10150	10360	6960	-	4140
		W	890	500	670	470	-	290	840	470	630	430	-	260	800	450	600	420	-	260
65	18.3	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
60	15.6	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
55	12.8	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
50	10.0	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
45	7.2	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
40	4.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
35	1.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
30	-1.1	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
25	-3.9	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
20	-6.7	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300
15	-9.4	Q(Btu/h)	13220	9750	9950	6680	-	3990	12510	9230	9420	6320	-	3770	11760	8670	8860	5950	-	3550
		W	1010	560	770	540	-	330	950	530	720	490	-	300	900	510	690	480	-	300

* It may not reach the above capacities in low ambient temperatures.

MSY-GL12NA
MUY-GL12NA
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 920

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	12280	11040	9270	6130	3130	1260	11630	10260	8780	5810	2970	1190	10920	9360	8240	5450	2790	1120
	W	1530	1060	1150	760	390	150	1440	1020	1080	710	360	140	1370	980	1030	680	350	130
110	43.3	12820	11520	9680	6400	3260	1310	12140	10710	9170	6070	3090	1240	11400	9810	8610	5690	2900	1170
	W	1500	1040	1140	760	390	150	1410	1000	1070	710	360	140	1350	960	1020	680	350	130
105	40.6	13360	12000	10080	6670	3410	1360	12650	11160	9550	6330	3230	1290	11880	10260	8970	5940	3030	1220
	W	1470	1020	1100	740	380	150	1380	980	1040	690	350	140	1320	940	990	660	340	130
100	37.8	13860	12450	10460	6920	3520	1410	13130	11580	9910	6560	3340	1340	12330	10770	9300	6150	3130	1270
	W	1430	1000	1070	710	360	140	1340	950	1010	660	340	130	1280	910	960	640	330	120
95	35.0	14360	12900	10840	7160	3660	1470	13600	12000	10270	6790	3470	1390	12770	11280	9640	6370	3250	1310
	W	1380	970	1040	710	360	140	1300	920	980	660	340	130	1240	880	930	640	330	120
90	32.2	14940	13320	11280	7470	3810	1520	14150	12480	10690	7080	3610	1440	13290	11700	10040	6640	3390	1360
	W	1330	940	1000	670	330	130	1250	890	940	620	310	120	1190	850	890	600	300	110
85	29.4	15510	13740	11700	7740	3940	1580	14690	12960	11090	7340	3740	1500	13800	12120	10410	6880	3510	1420
	W	1280	900	970	650	330	130	1200	850	910	610	310	120	1140	810	870	590	300	110
80	26.7	16090	14220	12140	8040	4100	1650	15240	13440	11500	7620	3890	1560	14310	12600	10800	7150	3650	1470
	W	1220	860	920	610	300	120	1150	810	870	570	280	110	1100	780	830	550	270	100
75	23.9	16660	14700	12580	8320	4250	1700	15780	13920	11920	7890	4030	1610	14820	13080	11190	7400	3780	1520
	W	1160	820	870	590	300	120	1090	770	820	550	280	110	1040	740	780	530	270	100
70	21.1	17230	15210	13000	8600	4390	1760	16320	14400	12320	8160	4160	1670	15330	13530	11570	7650	3900	1580
	W	1110	780	830	550	280	110	1040	730	780	510	260	100	990	700	740	490	250	90
65	18.3	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
60	15.6	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
55	12.8	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
50	10.0	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
45	7.2	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
40	4.4	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
35	1.7	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
30	-1.1	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
25	-3.9	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
20	-6.7	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80
15	-9.4	14720	12990	11110	7360	3760	1500	13940	12300	10530	6980	3560	1420	13090	11560	9890	6540	3340	1340
	W	890	630	670	450	240	100	830	590	630	420	220	90	790	570	600	400	210	80

* It may not reach the above capacities in low ambient temperatures.

MSY-GL15NA
MUY-GL15NA
1) COOLING

Rated
 Q(Btu/h): 14000
 W: 1080

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	16440	12880	12410	8210	4200	2730	15560	11970	11750	7780	3980	2590	14620	10920	11040	7310	3740	2430
		W	2350	1240	1770	1200	610	390	2220	1200	1680	1120	580	380	2110	1140	1600	1080	550	350
110	43.3	Q(Btu/h)	17170	13440	12970	8580	4390	2860	16250	12500	12280	8130	4160	2710	15270	11450	11540	7640	3910	2540
		W	2300	1220	1730	1160	580	370	2170	1170	1640	1080	550	360	2070	1120	1560	1040	520	330
105	40.6	Q(Btu/h)	17880	14000	13500	8950	4580	2980	16930	13020	12790	8480	4340	2830	15910	11970	12020	7970	4070	2650
		W	2250	1190	1690	1150	580	370	2120	1140	1600	1070	550	360	2020	1100	1520	1030	520	330
100	37.8	Q(Btu/h)	18560	14530	14010	9270	4740	3090	17570	13510	13270	8780	4490	2930	16510	12570	12470	8250	4220	2750
		W	2180	1160	1640	1100	550	350	2060	1110	1550	1030	530	340	1960	1070	1480	990	510	320
95	35.0	Q(Btu/h)	19230	15050	14520	9610	4910	3190	18200	14000	13750	9100	4650	3030	17110	13160	12920	8550	4370	2840
		W	2120	1130	1590	1070	530	340	2000	1080	1510	1000	510	330	1900	1030	1440	960	490	310
90	32.2	Q(Btu/h)	20000	15540	15110	10010	5120	3330	18930	14560	14310	9480	4850	3160	17790	13650	13450	8910	4550	2960
		W	2040	1090	1540	1050	520	340	1930	1040	1460	980	500	330	1840	1000	1390	940	480	310
85	29.4	Q(Btu/h)	20770	16030	15680	10380	5310	3460	19660	15120	14850	9830	5030	3280	18480	14140	13960	9230	4720	3080
		W	1960	1050	1480	1000	500	320	1850	1000	1400	930	480	310	1760	960	1330	900	460	290
80	26.7	Q(Btu/h)	21540	16590	16260	10760	5490	3570	20390	15680	15400	10190	5200	3390	19160	14700	14470	9570	4880	3180
		W	1880	1010	1400	940	470	300	1770	960	1330	880	450	290	1690	910	1270	850	430	270
75	23.9	Q(Btu/h)	22300	17150	16840	11150	5700	3710	21110	16240	15950	10560	5400	3520	19840	15260	14990	9920	5070	3300
		W	1780	960	1340	890	450	290	1680	910	1270	830	430	280	1600	860	1210	800	410	260
70	21.1	Q(Btu/h)	23070	17740	17420	11540	5900	3840	21840	16800	16500	10930	5590	3640	20530	15790	15510	10270	5250	3410
		W	1700	910	1280	860	430	280	1600	860	1210	800	410	270	1520	810	1150	770	390	250
65	18.3	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
60	15.6	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
55	12.8	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
50	10.0	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
45	7.2	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
40	4.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
35	1.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
30	-1.1	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
25	-3.9	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
20	-6.7	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260
15	-9.4	Q(Btu/h)	19710	15150	14890	9850	5030	3280	18660	14350	14100	9330	4770	3110	17540	13490	13250	8770	4480	2910
		W	1750	940	1320	890	450	290	1650	890	1250	830	430	280	1570	840	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSY-GL18NA
MUY-GL18NA
1) COOLING

Rated
 Q(Btu/h): 18000
 W: 1340

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1	Q(Btu/h)	19860	16560	15000	9930	5050	4040	18810	15390	14200	9400	4790	3830	17670	14040	13350	8830	4500	3590
	W	2520	1540	1900	1250	620	500	2390	1490	1810	1200	610	490	2270	1420	1720	1130	560	450
110 43.3	Q(Btu/h)	20740	17280	15670	10370	5290	4230	19640	16070	14830	9820	5010	4010	18450	14720	13940	9230	4700	3760
	W	2470	1510	1860	1220	600	490	2340	1460	1770	1170	590	480	2220	1400	1680	1110	540	440
105 40.6	Q(Btu/h)	21610	18000	16320	10800	5510	4400	20460	16740	15450	10220	5220	4170	19230	15390	14530	9600	4900	3910
	W	2410	1480	1810	1200	600	480	2280	1420	1720	1150	590	470	2170	1370	1630	1090	540	430
100 37.8	Q(Btu/h)	22420	18680	16940	11210	5710	4570	21230	17370	16030	10610	5410	4330	19950	16160	15070	9970	5080	4060
	W	2340	1450	1760	1150	570	460	2220	1380	1670	1100	560	450	2110	1330	1580	1040	510	410
95 35.0	Q(Btu/h)	23230	19350	17560	11620	5920	4740	22000	18000	16620	11000	5610	4490	20670	16920	15630	10340	5270	4210
	W	2270	1410	1700	1120	550	440	2150	1340	1620	1070	540	430	2040	1280	1540	1010	490	400
90 32.2	Q(Btu/h)	24160	19980	18260	12090	6160	4930	22880	18720	17280	11440	5840	4670	21500	17550	16250	10750	5480	4380
	W	2180	1360	1640	1090	540	440	2070	1290	1560	1040	530	430	1970	1240	1480	980	480	400
85 29.4	Q(Btu/h)	25090	20610	18970	12550	6400	5120	23760	19440	17950	11880	6060	4850	22330	18180	16880	11160	5690	4550
	W	2100	1310	1590	1040	520	420	1990	1240	1510	1000	510	410	1890	1190	1430	950	470	380
80 26.7	Q(Btu/h)	26020	21330	19660	13020	6630	5310	24640	20160	18610	12320	6280	5030	23150	18900	17500	11580	5890	4720
	W	2000	1250	1510	1000	500	400	1900	1190	1440	960	490	390	1810	1130	1370	910	450	360
75 23.9	Q(Btu/h)	26950	22050	20360	13480	6870	5500	25520	20880	19270	12760	6510	5210	23980	19620	18120	11990	6110	4890
	W	1910	1190	1440	950	480	380	1810	1130	1370	910	470	370	1720	1070	1300	860	430	340
70 21.1	Q(Btu/h)	27880	22810	21070	13960	7110	5690	26400	21600	19940	13210	6740	5390	24810	20300	18750	12410	6330	5060
	W	1800	1130	1370	900	450	360	1710	1070	1300	860	440	350	1620	1010	1230	810	400	320
65 18.3	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
60 15.6	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
55 12.8	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
50 10.0	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
45 7.2	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
40 4.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
35 1.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
30 -1.1	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
25 -3.9	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
20 -6.7	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360
15 -9.4	Q(Btu/h)	23810	19480	18000	11920	6080	4870	22550	18450	17030	11280	5760	4610	21190	17340	16010	10600	5410	4330
	W	2030	1270	1530	1000	500	400	1930	1200	1450	960	490	390	1830	1130	1370	900	450	360

* It may not reach the above capacities in low ambient temperatures.

MSY-GL24NA
MUY-GL24NA
1) COOLING

Rated
 Q(Btu/h): 22500
 W: 1800

Indoor W.B. Outdoor D.B. (°F) (°C)	71°F / 21.7°C								67°F / 19.4°C					63°F / 17.2°C					
	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115 46.1	Q(Btu/h)	28360	20700	21270	14170	7090	6140	26850	19240	20140	13430	6720	5820	25240	17550	18920	12610	6310	5460
	W	4210	2070	3150	2070	1030	900	3970	2000	2980	1980	990	860	3770	1910	2820	1860	920	810
110 43.3	Q(Btu/h)	29610	21600	22210	14810	7400	6410	28030	20090	21030	14030	7020	6080	26340	18400	19760	13180	6590	5700
	W	4110	2030	3080	2020	1010	880	3880	1960	2910	1930	970	840	3690	1880	2760	1810	910	790
105 40.6	Q(Btu/h)	30840	22500	23130	15410	7700	6670	29200	20930	21900	14600	7300	6330	27440	19240	20580	13710	6850	5940
	W	4020	1990	3000	1980	980	860	3790	1910	2840	1890	940	820	3600	1840	2690	1780	880	770
100 37.8	Q(Btu/h)	32010	23350	24000	15990	8000	6930	30300	21720	22730	15150	7580	6570	28480	20200	21360	14230	7110	6160
	W	3910	1940	2930	1930	960	830	3690	1860	2770	1840	920	790	3510	1780	2620	1730	860	740
95 35.0	Q(Btu/h)	33170	24190	24870	16570	8280	7170	31400	22500	23550	15700	7850	6800	29510	21150	22130	14740	7370	6380
	W	3790	1890	2830	1860	930	810	3580	1800	2680	1780	890	770	3400	1720	2540	1670	830	720
90 32.2	Q(Btu/h)	34500	24980	25860	17240	8620	7470	32660	23400	24490	16330	8170	7080	30700	21940	23010	15340	7670	6640
	W	3660	1830	2740	1810	900	780	3450	1740	2590	1730	870	750	3280	1660	2450	1630	810	700
85 29.4	Q(Btu/h)	35820	25760	26850	17900	8940	7750	33910	24300	25430	16960	8480	7350	31870	22730	23890	15930	7960	6890
	W	3510	1760	2620	1740	860	750	3310	1670	2480	1660	830	720	3150	1590	2350	1560	780	680
80 26.7	Q(Btu/h)	37150	26660	27860	18550	9270	8030	35170	25200	26380	17580	8790	7620	33060	23630	24790	16510	8250	7150
	W	3350	1680	2510	1650	820	720	3160	1590	2370	1580	790	690	3000	1520	2240	1490	740	650
75 23.9	Q(Btu/h)	38470	27560	28850	19230	9620	8330	36420	26100	27320	18220	9120	7900	34230	24530	25670	17110	8560	7410
	W	3190	1600	2390	1580	790	690	3010	1510	2260	1510	760	660	2860	1440	2140	1420	710	620
70 21.1	Q(Btu/h)	39800	28510	29840	19870	9940	8600	37680	27000	28260	18830	9420	8160	35410	25380	26550	17680	8840	7650
	W	3030	1530	2260	1500	750	650	2860	1440	2140	1430	720	620	2720	1370	2030	1340	670	580
65 18.3	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
60 15.6	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
55 12.8	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
50 10.0	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
45 7.2	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
40 4.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
35 1.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
30 -1.1	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
25 -3.9	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
20 -6.7	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660
15 -9.4	Q(Btu/h)	34000	24360	25490	16980	8480	7350	32190	23070	24140	16090	8040	6970	30250	21690	22680	15110	7540	6530
	W	3420	1720	2570	1710	850	740	3230	1620	2430	1630	820	710	3070	1540	2310	1530	760	660

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM09NA
MUZ-HM09NA2
1) COOLING

Rated
 Q(Btu/h): 9000
 W: 750

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C								
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	9030	8280	6790	4560	- 3450	8550	7700	6440	4330	- 3270	8030	7020	6050	4060	- 3060			
		W	1010	860	760	530	- 430	940	830	710	480	- 370	900	800	680	480	- 380			
110	43.3	Q(Btu/h)	9430	8640	7100	4760	- 3600	8930	8040	6730	4520	- 3420	8390	7360	6320	4240	- 3200			
		W	980	850	740	510	- 390	920	820	690	460	- 340	880	790	660	460	- 350			
105	40.6	Q(Btu/h)	9820	9000	7390	4970	- 3770	9300	8370	7010	4720	- 3580	8740	7700	6580	4420	- 3350			
		W	960	830	730	500	- 390	900	800	680	450	- 340	860	770	650	450	- 350			
100	37.8	Q(Btu/h)	10190	9340	7670	5150	- 3900	9650	8690	7270	4890	- 3700	9070	8080	6830	4580	- 3470			
		W	940	810	720	500	- 390	880	780	670	450	- 340	840	750	640	450	- 350			
95	35.0	Q(Btu/h)	10560	9680	7940	5330	- 4040	10000	9000	7530	5060	- 3830	9400	8460	7070	4740	- 3590			
		W	910	790	690	490	- 380	850	750	640	440	- 330	810	720	620	440	- 340			
90	32.2	Q(Btu/h)	10980	10000	8260	5540	- 4190	10400	9360	7830	5260	- 3980	9770	8780	7360	4930	- 3730			
		W	880	760	670	460	- 360	820	720	620	410	- 310	790	690	600	410	- 320			
85	29.4	Q(Btu/h)	11410	10310	8580	5760	- 4360	10800	9720	8130	5470	- 4140	10150	9090	7640	5130	- 3880			
		W	850	730	630	450	- 360	790	690	590	400	- 310	760	660	570	400	- 320			
80	26.7	Q(Btu/h)	11830	10670	8900	5980	- 4530	11200	10080	8440	5680	- 4300	10520	9450	7930	5320	- 4030			
		W	800	700	610	430	- 360	750	660	570	390	- 310	720	630	550	390	- 320			
75	23.9	Q(Btu/h)	12250	11030	9220	6200	- 4690	11600	10440	8740	5890	- 4450	10900	9810	8210	5520	- 4170			
		W	760	670	570	390	- 290	710	630	530	350	- 250	680	600	510	350	- 260			
70	21.1	Q(Btu/h)	12670	11410	9540	6400	- 4860	12000	10800	9040	6080	- 4610	11280	10150	8490	5700	- 4320			
		W	730	640	550	380	- 290	680	600	510	340	- 250	650	570	490	340	- 260			
65	18.3	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
60	15.6	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
55	12.8	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
50	10.0	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
45	7.2	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
40	4.4	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
35	1.7	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
30	-1.1	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
25	-3.9	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
20	-6.7	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			
15	-9.4	Q(Btu/h)	10820	9750	8160	5480	- 4160	10250	9230	7730	5210	- 3950	9640	8670	7260	4880	- 3700			
		W	830	730	630	450	- 360	770	680	580	400	- 310	740	650	560	400	- 320			

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM09NA
MUZ-HM09NA2
2) HEATING

Rated
 Q(Btu/h): 10900
 W: 900

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C					70°F / 21.1°C					59°F / 15.0°C							
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	14610	13620	11030	7300	-	4860	15200	14170	11480	7600	-	5060	15790	14720	11930	7900	-	5260
		W	1320	1020	990	660	-	440	1250	970	940	630	-	420	1180	920	890	600	-	400
60	15.6	Q(Btu/h)	13900	12880	10510	6950	-	4640	14500	13440	10960	7250	-	4840	15100	14000	11410	7550	-	5040
		W	1250	1010	950	620	-	410	1190	960	900	590	-	390	1130	910	850	560	-	370
55	12.8	Q(Btu/h)	13180	12130	9960	6590	-	4390	13800	12700	10430	6900	-	4600	14420	13270	10900	7210	-	4810
		W	1190	1000	910	600	-	400	1130	950	860	570	-	380	1070	900	810	540	-	360
50	10.0	Q(Btu/h)	12420	11390	9390	6220	-	4150	13050	11970	9860	6530	-	4360	13680	12550	10330	6840	-	4570
		W	1140	990	850	560	-	370	1080	940	810	530	-	350	1020	890	770	500	-	330
45	7.2	Q(Btu/h)	11660	10650	8810	5830	-	3890	12300	11230	9290	6150	-	4100	12940	11810	9770	6470	-	4310
		W	1070	970	810	540	-	360	1020	920	770	510	-	340	970	870	730	480	-	320
43	6.1	Q(Btu/h)	11170	10320	8450	5590	-	3730	11800	10900	8920	5900	-	3940	12430	11480	9390	6210	-	4150
		W	1050	950	800	530	-	360	1000	900	760	500	-	340	950	850	720	470	-	320
40	4.4	Q(Btu/h)	10680	9860	8070	5340	-	3560	11300	10440	8540	5650	-	3770	11920	11020	9010	5960	-	3980
		W	1010	940	760	510	-	330	960	890	720	480	-	310	910	840	680	450	-	290
35	1.7	Q(Btu/h)	10170	9080	7680	5080	-	3390	10800	9650	8160	5400	-	3600	11430	10220	8640	5720	-	3810
		W	960	910	730	480	-	330	910	860	690	460	-	310	860	810	650	440	-	290
30	-1.1	Q(Btu/h)	9420	8360	7120	4720	-	3140	10050	8920	7590	5030	-	3350	10680	9480	8060	5340	-	3560
		W	900	860	670	450	-	310	850	820	640	430	-	290	800	780	610	410	-	270
25	-3.9	Q(Btu/h)	8680	7630	6560	4340	-	2890	9300	8180	7030	4650	-	3100	9920	8730	7500	4960	-	3310
		W	830	810	630	420	-	270	790	770	600	400	-	260	750	730	570	380	-	250
20	-6.7	Q(Btu/h)	7930	6900	5990	3970	-	2650	8550	7440	6460	4280	-	2860	9170	7980	6930	4590	-	3070
		W	780	750	600	400	-	260	740	710	570	380	-	250	700	670	540	360	-	240
15	-9.4	Q(Btu/h)	7170	6160	5410	3580	-	2390	7800	6700	5890	3900	-	2600	8430	7240	6370	4220	-	2810
		W	720	680	540	360	-	230	680	650	510	340	-	220	640	620	480	320	-	210
10	-12.2	Q(Btu/h)	6260	5390	4730	3130	-	2090	6900	5940	5210	3450	-	2300	7540	6490	5690	3770	-	2510
		W	660	610	510	340	-	230	630	580	480	320	-	220	600	550	450	300	-	210
5	-15.0	Q(Btu/h)	5340	4610	4030	2670	-	1780	6000	5180	4530	3000	-	2000	6660	5750	5030	3330	-	2220
		W	600	540	450	290	-	190	570	510	430	280	-	180	540	480	410	270	-	170
0	-17.8	Q(Btu/h)	4600	3620	3470	2300	-	1530	5300	4170	4000	2650	-	1760	6000	4720	4530	3000	-	1990
		W	540	460	410	270	-	180	510	440	390	260	-	170	480	420	370	250	-	160
-4	-20.0	Q(Btu/h)	3880	2660	2940	1940	-	1300	4600	3150	3480	2300	-	1540	5320	3640	4020	2660	-	1780
		W	470	380	360	240	-	170	450	360	340	230	-	160	430	340	320	220	-	150

* Above data is for heating operation without any frost.

MSZ-HM12NA
MUZ-HM12NA2
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 1210

Indoor W.B.		71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C								
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
115	46.1	Q(Btu/h)	11020	11040	8290	5570	- 3320	10430	10260	7850	5270	- 3140	9800	9360	7380	4960	- 2960			
		W	1530	1390	1150	770	- 460	1440	1340	1080	730	- 430	1370	1280	1030	690	- 400			
110	43.3	Q(Btu/h)	11510	11520	8660	5830	- 3470	10890	10710	8200	5510	- 3280	10240	9810	7710	5190	- 3090			
		W	1500	1370	1120	750	- 450	1410	1310	1060	710	- 420	1350	1260	1010	670	- 390			
105	40.6	Q(Btu/h)	11990	12000	9020	6060	- 3610	11350	11160	8540	5730	- 3410	10670	10260	8030	5390	- 3210			
		W	1470	1340	1100	750	- 450	1380	1280	1040	710	- 420	1320	1230	990	670	- 390			
100	37.8	Q(Btu/h)	12450	12450	9370	6290	- 3750	11780	11580	8870	5950	- 3540	11070	10770	8340	5600	- 3330			
		W	1430	1310	1070	720	- 430	1340	1250	1010	680	- 410	1280	1200	960	640	- 390			
95	35.0	Q(Btu/h)	12890	12900	9700	6520	- 3900	12200	12000	9180	6170	- 3680	11470	11280	8630	5810	- 3460			
		W	1380	1270	1040	690	- 410	1300	1210	980	650	- 390	1240	1160	930	610	- 370			
90	32.2	Q(Btu/h)	13410	13320	10090	6780	- 4040	12690	12480	9550	6410	- 3820	11930	11700	8980	6030	- 3600			
		W	1330	1230	1000	670	- 400	1250	1170	940	640	- 380	1190	1120	890	610	- 360			
85	29.4	Q(Btu/h)	13930	13740	10480	7040	- 4200	13180	12960	9920	6660	- 3970	12390	12120	9320	6270	- 3740			
		W	1280	1180	950	630	- 380	1200	1120	900	600	- 360	1140	1070	860	570	- 340			
80	26.7	Q(Btu/h)	14440	14220	10870	7320	- 4360	13670	13440	10290	6920	- 4120	12850	12600	9670	6510	- 3880			
		W	1220	1130	920	620	- 370	1150	1070	870	590	- 350	1100	1020	830	560	- 330			
75	23.9	Q(Btu/h)	14950	14700	11250	7560	- 4510	14150	13920	10650	7150	- 4260	13300	13080	10010	6730	- 4010			
		W	1160	1080	870	580	- 350	1090	1020	820	550	- 330	1040	970	780	520	- 310			
70	21.1	Q(Btu/h)	15470	15210	11640	7810	- 4660	14640	14400	11020	7390	- 4400	13760	13530	10360	6960	- 4140			
		W	1110	1020	830	560	- 340	1040	960	780	530	- 320	990	910	740	500	- 300			
65	18.3	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
60	15.6	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
55	12.8	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
50	10.0	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
45	7.2	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
40	4.4	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
35	1.7	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
30	-1.1	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
25	-3.9	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
20	-6.7	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			
15	-9.4	Q(Btu/h)	13220	12990	9950	6680	- 3990	12510	12300	9420	6320	- 3770	11760	11560	8860	5950	- 3550			
		W	820	770	620	410	- 240	770	720	580	390	- 230	730	680	550	370	- 220			

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM12NA
MUZ-HM12NA2
2) HEATING

Rated
 Q(Btu/h): 12200
 W: 990

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C					70°F / 21.1°C					59°F / 15.0°C							
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	17390	15240	13090	8780	-	4970	18100	15860	13620	9140	-	5170	18810	16480	14150	9500	-	5370
		W	1510	1130	1130	760	-	420	1430	1070	1070	720	-	400	1350	1010	1010	680	-	380
60	15.6	Q(Btu/h)	16530	14420	12440	8350	-	4730	17250	15040	12980	8710	-	4930	17970	15660	13520	9070	-	5130
		W	1450	1120	1100	740	-	410	1380	1060	1040	700	-	390	1310	1000	980	660	-	370
55	12.8	Q(Btu/h)	15670	13580	11790	7910	-	4470	16400	14210	12340	8280	-	4680	17130	14840	12890	8650	-	4890
		W	1400	1110	1050	710	-	400	1330	1050	1000	670	-	380	1260	990	950	630	-	360
50	10.0	Q(Btu/h)	14800	12740	11140	7470	-	4230	15550	13390	11700	7850	-	4440	16300	14040	12260	8230	-	4650
		W	1350	1090	1020	680	-	390	1280	1030	970	650	-	370	1210	970	920	620	-	350
45	7.2	Q(Btu/h)	13940	11920	10490	7040	-	3980	14700	12570	11060	7420	-	4200	15460	13220	11630	7800	-	4420
		W	1300	1060	970	640	-	370	1230	1010	920	610	-	350	1160	960	870	580	-	330
43	6.1	Q(Btu/h)	13730	11550	10330	6930	-	3920	14500	12200	10910	7320	-	4140	15270	12850	11490	7710	-	4360
		W	1290	1040	960	640	-	370	1220	990	910	610	-	350	1150	940	860	580	-	330
40	4.4	Q(Btu/h)	12990	11050	9780	6560	-	3700	13750	11690	10350	6940	-	3920	14510	12330	10920	7320	-	4140
		W	1230	1030	930	620	-	350	1170	980	880	590	-	330	1110	930	830	560	-	310
35	1.7	Q(Btu/h)	12240	10170	9210	6180	-	3500	13000	10800	9780	6560	-	3720	13760	11430	10350	6940	-	3940
		W	1180	990	880	590	-	330	1120	940	840	560	-	310	1060	890	800	530	-	290
30	-1.1	Q(Btu/h)	11390	9360	8570	5750	-	3250	12150	9980	9140	6130	-	3470	12910	10600	9710	6510	-	3690
		W	1130	950	850	580	-	330	1070	900	810	550	-	310	1010	850	770	520	-	290
25	-3.9	Q(Btu/h)	10540	8540	7930	5320	-	3010	11300	9150	8500	5700	-	3230	12060	9760	9070	6080	-	3450
		W	1070	900	800	540	-	310	1020	850	760	510	-	290	970	800	720	480	-	270
20	-6.7	Q(Btu/h)	9640	7720	7250	4870	-	2760	10400	8330	7820	5250	-	2980	11160	8940	8390	5630	-	3200
		W	1020	820	770	520	-	290	970	780	730	490	-	280	920	740	690	460	-	270
15	-9.4	Q(Btu/h)	8730	6890	6570	4410	-	2490	9500	7500	7150	4800	-	2710	10270	8110	7730	5190	-	2930
		W	970	750	730	480	-	260	920	710	690	460	-	250	870	670	650	440	-	240
10	-12.2	Q(Btu/h)	7710	6030	5810	3890	-	2200	8500	6650	6400	4290	-	2420	9290	7270	6990	4690	-	2640
		W	920	670	700	470	-	260	870	640	660	450	-	250	820	610	620	430	-	240
5	-15.0	Q(Btu/h)	6680	5170	5020	3380	-	1910	7500	5800	5640	3790	-	2150	8320	6430	6260	4200	-	2390
		W	860	590	640	430	-	240	820	560	610	410	-	230	780	530	580	390	-	220
0	-17.8	Q(Btu/h)	5840	4040	4390	2950	-	1680	6730	4650	5060	3400	-	1930	7620	5260	5730	3850	-	2180
		W	800	510	600	400	-	230	760	480	570	380	-	220	720	450	540	360	-	210
-4	-20.0	Q(Btu/h)	5020	2960	3780	2530	-	1440	5950	3500	4480	3000	-	1700	6880	4040	5180	3470	-	1960
		W	740	420	560	370	-	210	700	400	530	350	-	200	660	380	500	330	-	190

* Above data is for heating operation without any frost.

MSZ-HM15NA
MUZ-HM15NA2
1) COOLING

Rated
 Q(Btu/h): 14000
 W: 1170

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	14450	12880	10910	7210	3690	2410	13680	11970	10330	6830	3490	2280	12850	10920	9710	6420	3280	2150
		W	2350	1350	1770	1200	610	390	2220	1300	1680	1120	580	380	2110	1240	1600	1080	550	350
110	43.3	Q(Btu/h)	15080	13440	11400	7530	3860	2520	14280	12500	10790	7130	3650	2380	13420	11450	10140	6700	3430	2240
		W	2300	1320	1730	1160	580	370	2170	1270	1640	1080	550	360	2070	1220	1560	1040	520	330
105	40.6	Q(Btu/h)	15710	14000	11870	7850	4020	2620	14880	13020	11240	7430	3800	2480	13980	11970	10570	6980	3580	2340
		W	2250	1290	1690	1150	580	370	2120	1240	1600	1070	550	360	2020	1190	1520	1030	520	330
100	37.8	Q(Btu/h)	16310	14530	12330	8160	4180	2730	15440	13510	11670	7730	3950	2580	14510	12570	10970	7260	3720	2430
		W	2180	1260	1640	1100	550	350	2060	1210	1550	1030	530	340	1960	1160	1480	990	510	320
95	35.0	Q(Btu/h)	16900	15050	12770	8450	4320	2830	16000	14000	12090	8000	4090	2670	15030	13160	11370	7520	3850	2510
		W	2120	1230	1590	1070	530	340	2000	1170	1510	1000	510	330	1900	1120	1440	960	490	310
90	32.2	Q(Btu/h)	17570	15540	13290	8800	4500	2940	16640	14560	12580	8330	4260	2780	15640	13650	11830	7830	4010	2620
		W	2040	1190	1540	1050	520	340	1930	1130	1460	980	500	330	1840	1080	1390	940	480	310
85	29.4	Q(Btu/h)	18250	16030	13790	9110	4660	3050	17280	15120	13050	8630	4410	2880	16240	14140	12270	8110	4150	2710
		W	1960	1140	1480	1000	500	320	1850	1080	1400	930	480	310	1760	1040	1330	900	460	290
80	26.7	Q(Btu/h)	18920	16590	14300	9470	4850	3160	17920	15680	13540	8970	4590	2990	16840	14700	12730	8430	4320	2820
		W	1880	1090	1400	940	470	300	1770	1030	1330	880	450	290	1690	990	1270	850	430	270
75	23.9	Q(Btu/h)	19600	17150	14810	9800	5010	3270	18560	16240	14020	9280	4740	3090	17440	15260	13180	8720	4460	2910
		W	1780	1040	1340	890	450	290	1680	980	1270	830	430	280	1600	940	1210	800	410	260
70	21.1	Q(Btu/h)	20280	17740	15330	10140	5190	3390	19200	16800	14510	9600	4910	3200	18040	15790	13640	9020	4620	3010
		W	1700	990	1280	860	430	280	1600	930	1210	800	410	270	1520	890	1150	770	390	250
65	18.3	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
60	15.6	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
55	12.8	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
50	10.0	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
45	7.2	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
40	4.4	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
35	1.7	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
30	-1.1	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
25	-3.9	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
20	-6.7	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260
15	-9.4	Q(Btu/h)	17320	15150	13090	8660	4430	2890	16400	14350	12390	8200	4190	2730	15410	13490	11650	7700	3940	2570
		W	1750	1030	1320	890	450	290	1650	970	1250	830	430	280	1570	930	1190	800	410	260

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM15NA
MUZ-HM15NA2
2) HEATING

Rated
 Q(Btu/h): 18000
 W: 1600

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	21330	21140	16090	10660	5440	3140	22200	22000	16750	11090	5660	3270	23070	22860	17410	11520	5880	3400
		W	2330	1820	1750	1160	590	340	2210	1730	1660	1100	560	320	2090	1640	1570	1040	530	300
60	15.6	Q(Btu/h)	20700	20600	15620	10340	5270	3040	21600	21490	16300	10790	5500	3170	22500	22380	16980	11240	5730	3300
		W	2250	1810	1710	1130	580	340	2140	1720	1620	1070	550	320	2030	1630	1530	1010	520	300
55	12.8	Q(Btu/h)	20060	20030	15140	10030	5110	2950	21000	20970	15850	10500	5350	3090	21940	21910	16560	10970	5590	3230
		W	2170	1790	1640	1100	560	330	2060	1700	1560	1040	530	310	1950	1610	1480	980	500	290
50	10.0	Q(Btu/h)	18850	18810	14230	9420	4810	2770	19800	19760	14950	9900	5050	2910	20750	20710	15670	10380	5290	3050
		W	2150	1760	1620	1070	550	320	2040	1670	1540	1020	520	300	1930	1580	1460	970	490	280
45	7.2	Q(Btu/h)	17640	17580	13320	8830	4490	2590	18600	18540	14050	9310	4740	2730	19560	19500	14780	9790	4990	2870
		W	2130	1720	1600	1050	540	310	2020	1630	1520	1000	510	290	1910	1540	1440	950	480	270
43	6.1	Q(Btu/h)	17520	17040	13230	8770	4470	2580	18500	18000	13970	9260	4720	2720	19480	18960	14710	9750	4970	2860
		W	2120	1690	1590	1050	540	310	2010	1600	1510	1000	510	290	1900	1510	1430	950	480	270
40	4.4	Q(Btu/h)	16680	16290	12590	8330	4250	2460	17650	17240	13320	8820	4500	2600	18620	18190	14050	9310	4750	2740
		W	2090	1660	1580	1040	540	310	1980	1580	1500	990	510	290	1870	1500	1420	940	480	270
35	1.7	Q(Btu/h)	15820	15000	11940	7910	4030	2330	16800	15930	12680	8400	4280	2470	17780	16860	13420	8890	4530	2610
		W	2040	1600	1540	1020	520	290	1940	1520	1460	970	490	280	1840	1440	1380	920	460	270
30	-1.1	Q(Btu/h)	14910	13800	11250	7450	3800	2190	15900	14720	12000	7950	4050	2340	16890	15640	12750	8450	4300	2490
		W	2010	1530	1520	1000	510	290	1910	1450	1440	950	480	280	1810	1370	1360	900	450	270
25	-3.9	Q(Btu/h)	14000	12600	10560	7000	3560	2050	15000	13500	11320	7500	3820	2200	16000	14400	12080	8000	4080	2350
		W	1980	1440	1510	990	510	290	1880	1370	1430	940	480	280	1780	1300	1350	890	450	270
20	-6.7	Q(Btu/h)	13350	11390	10080	6680	3400	1970	14400	12290	10870	7200	3670	2120	15450	13190	11660	7720	3940	2270
		W	1930	1330	1450	960	480	280	1830	1260	1380	910	460	270	1730	1190	1310	860	440	260
15	-9.4	Q(Btu/h)	12680	10170	9570	6340	3230	1870	13800	11070	10420	6900	3520	2030	14920	11970	11270	7460	3810	2190
		W	1860	1210	1410	940	480	280	1770	1150	1340	890	460	270	1680	1090	1270	840	440	260
10	-12.2	Q(Btu/h)	11750	8900	8870	5880	2990	1720	12950	9810	9780	6480	3300	1900	14150	10720	10690	7080	3610	2080
		W	1820	1090	1380	920	460	260	1730	1030	1310	870	440	250	1640	970	1240	820	420	240
5	-15.0	Q(Btu/h)	10780	7610	8130	5380	2740	1590	12100	8550	9130	6040	3080	1780	13420	9490	10130	6700	3420	1970
		W	1780	950	1340	880	450	260	1690	900	1270	840	430	250	1600	850	1200	800	410	240
0	-17.8	Q(Btu/h)	9680	6110	7310	4840	2470	1420	11150	7040	8420	5580	2850	1640	12620	7970	9530	6320	3230	1860
		W	1730	820	1310	860	440	250	1640	780	1240	820	420	240	1550	740	1170	780	400	230
-4	-20.0	Q(Btu/h)	8610	4670	6500	4310	2200	1270	10200	5530	7700	5100	2600	1500	11790	6390	8900	5890	3000	1730
		W	1680	700	1250	830	430	250	1590	660	1190	790	410	240	1500	620	1130	750	390	230

* Above data is for heating operation without any frost.

MSZ-HM18NA
MUZ-HM18NA2
1) COOLING

Rated
 Q(Btu/h): 17200
 W: 1640

Indoor W.B.		71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C								
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
115	46.1	Q(Btu/h)	16250	15820	12290	8130	- 4510	15390	14710	11630	7690	- 4270	14460	13420	10930	7230	- 4010			
		W	2430	1890	1830	1200	- 670	2300	1820	1740	1150	- 640	2190	1740	1650	1070	- 600			
110	43.3	Q(Btu/h)	16970	16510	12830	8490	- 4710	16070	15360	12140	8030	- 4460	15100	14070	11410	7550	- 4190			
		W	2380	1850	1790	1180	- 660	2250	1780	1700	1130	- 630	2150	1710	1610	1050	- 590			
105	40.6	Q(Btu/h)	17680	17200	13360	8860	- 4930	16740	16000	12650	8380	- 4660	15730	14710	11890	7880	- 4380			
		W	2320	1810	1740	1140	- 620	2190	1740	1650	1090	- 600	2090	1670	1560	1020	- 560			
100	37.8	Q(Btu/h)	18340	17850	13860	9180	- 5090	17370	16600	13120	8680	- 4820	16320	15440	12330	8160	- 4530			
		W	2250	1770	1700	1130	- 620	2130	1690	1610	1080	- 600	2030	1620	1520	1010	- 560			
95	35.0	Q(Btu/h)	19010	18490	14370	9520	- 5280	18000	17200	13600	9000	- 5000	16910	16170	12780	8470	- 4700			
		W	2190	1720	1640	1080	- 590	2070	1640	1560	1030	- 570	1970	1570	1480	960	- 540			
90	32.2	Q(Btu/h)	19770	19090	14950	9910	- 5510	18720	17890	14150	9370	- 5210	17590	16770	13300	8810	- 4900			
		W	2100	1660	1580	1040	- 570	1990	1580	1500	990	- 550	1900	1510	1420	920	- 520			
85	29.4	Q(Btu/h)	20530	19690	15520	10290	- 5720	19440	18580	14690	9730	- 5410	18270	17370	13810	9150	- 5080			
		W	2020	1600	1520	1000	- 560	1910	1520	1440	960	- 540	1820	1450	1360	890	- 510			
80	26.7	Q(Btu/h)	21290	20380	16090	10660	- 5920	20160	19270	15230	10080	- 5600	18940	18060	14310	9480	- 5260			
		W	1940	1530	1460	970	- 540	1830	1450	1390	930	- 520	1750	1380	1320	870	- 490			
75	23.9	Q(Btu/h)	22050	21070	16660	11030	- 6130	20880	19950	15770	10430	- 5800	19620	18750	14820	9810	- 5450			
		W	1840	1460	1390	920	- 510	1740	1380	1320	880	- 490	1660	1310	1250	820	- 460			
70	21.1	Q(Btu/h)	22810	21800	17240	11420	- 6340	21600	20640	16320	10800	- 6000	20300	19400	15340	10160	- 5640			
		W	1740	1390	1320	870	- 480	1650	1310	1250	830	- 460	1570	1240	1180	770	- 430			
65	18.3	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
60	15.6	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
55	12.8	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
50	10.0	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
45	7.2	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
40	4.4	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
35	1.7	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
30	-1.1	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
25	-3.9	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
20	-6.7	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			
15	-9.4	Q(Btu/h)	19480	18620	14730	9760	- 5420	18450	17630	13940	9230	- 5130	17340	16570	13100	8680	- 4820			
		W	1960	1560	1480	970	- 540	1860	1470	1400	930	- 520	1770	1390	1320	860	- 490			

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM18NA
MUZ-HM18NA2
2) HEATING

Rated
 Q(Btu/h): 18000
 W: 1590

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	24310	21140	18350	12150	6200	5960	25300	22000	19100	12650	6450	6200	26290	22860	19850	13150	6700	6440
		W	2390	1810	1810	1200	610	590	2270	1720	1720	1140	580	560	2150	1630	1630	1080	550	530
60	15.6	Q(Btu/h)	23240	20600	17540	11620	5920	5690	24250	21490	18300	12120	6180	5940	25260	22380	19060	12620	6440	6190
		W	2390	1800	1810	1200	610	590	2270	1710	1720	1140	580	560	2150	1620	1630	1080	550	530
55	12.8	Q(Btu/h)	22160	20030	16740	11080	5660	5440	23200	20970	17520	11600	5920	5690	24240	21910	18300	12120	6180	5940
		W	2380	1780	1800	1190	610	590	2260	1690	1710	1130	580	560	2140	1600	1620	1070	550	530
50	10.0	Q(Btu/h)	21080	18810	15910	10550	5380	5170	22150	19760	16720	11080	5650	5430	23220	20710	17530	11610	5920	5690
		W	2380	1750	1800	1190	610	590	2260	1660	1710	1130	580	560	2140	1570	1620	1070	550	530
45	7.2	Q(Btu/h)	20010	17580	15110	10000	5100	4900	21100	18540	15930	10550	5380	5170	22190	19500	16750	11100	5660	5440
		W	2380	1710	1800	1190	610	590	2260	1620	1710	1130	580	560	2140	1530	1620	1070	550	530
43	6.1	Q(Btu/h)	19790	17040	14940	9900	5050	4860	20900	18000	15780	10450	5330	5130	22010	18960	16620	11000	5610	5400
		W	2370	1680	1790	1190	610	590	2250	1590	1700	1130	580	560	2130	1500	1610	1070	550	530
40	4.4	Q(Btu/h)	18800	16290	14190	9400	4790	4610	19900	17240	15020	9950	5070	4880	21000	18190	15850	10500	5350	5150
		W	2320	1650	1740	1160	590	570	2200	1570	1650	1100	560	540	2080	1490	1560	1040	530	510
35	1.7	Q(Btu/h)	17790	15000	13430	8900	4540	4360	18900	15930	14270	9450	4820	4630	20010	16860	15110	10000	5100	4900
		W	2250	1590	1710	1130	580	560	2140	1510	1620	1070	550	530	2030	1430	1530	1010	520	500
30	-1.1	Q(Btu/h)	16690	13800	12600	8340	4250	4090	17800	14720	13440	8900	4530	4360	18910	15640	14280	9460	4810	4630
		W	2230	1520	1690	1120	570	550	2120	1440	1600	1060	540	520	2010	1360	1510	1000	510	490
25	-3.9	Q(Btu/h)	15580	12600	11760	7780	3970	3820	16700	13500	12600	8340	4250	4090	17820	14400	13440	8900	4530	4360
		W	2200	1430	1660	1110	560	540	2090	1360	1580	1050	530	510	1980	1290	1500	990	500	480
20	-6.7	Q(Btu/h)	14790	11390	11170	7400	3770	3630	15950	12290	12050	7980	4070	3910	17110	13190	12930	8560	4370	4190
		W	2110	1320	1580	1040	540	520	2000	1250	1500	990	510	490	1890	1180	1420	940	480	460
15	-9.4	Q(Btu/h)	13970	10170	10540	6980	3560	3420	15200	11070	11470	7600	3870	3720	16430	11970	12400	8220	4180	4020
		W	2000	1200	1510	990	510	480	1900	1140	1430	940	480	460	1800	1080	1350	890	450	440
10	-12.2	Q(Btu/h)	12830	8900	9690	6410	3270	3140	14150	9810	10680	7070	3600	3460	15470	10720	11670	7730	3930	3780
		W	1940	1070	1460	970	500	470	1840	1020	1390	920	470	450	1740	970	1320	870	440	430
5	-15.0	Q(Btu/h)	11670	7610	8820	5830	2970	2860	13100	8550	9900	6550	3340	3210	14530	9490	10980	7270	3710	3560
		W	1860	950	1410	940	480	460	1770	900	1340	890	460	440	1680	850	1270	840	440	420
0	-17.8	Q(Btu/h)	10500	6110	7930	5240	2670	2570	12100	7040	9130	6040	3080	2960	13700	7970	10330	6840	3490	3350
		W	1800	820	1360	900	450	430	1710	780	1290	850	430	410	1620	740	1220	800	410	390
-4	-20.0	Q(Btu/h)	9370	4670	7080	4690	2390	2300	11100	5530	8380	5550	2830	2720	12830	6390	9680	6410	3270	3140
		W	1740	700	1320	870	440	420	1650	660	1250	830	420	400	1560	620	1180	790	400	380

* Above data is for heating operation without any frost.

MSZ-HM24NA
MUZ-HM24NA2
1) COOLING

Rated
 Q(Btu/h): 22500
 W: 2630

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1	Q(Btu/h)	20320	20700	15340	10160	5180	4140	19240	19240	14530	9630	4910	3930	18080	17550	13650	9040	4620	3690
	W	3090	3020	2320	1540	780	620	2920	2920	2200	1450	740	590	2770	2790	2080	1380	700	550
110 43.3	Q(Btu/h)	21210	21600	16020	10600	5420	4320	20090	20090	15170	10050	5130	4100	18880	18400	14250	9430	4820	3850
	W	3030	2970	2280	1530	780	620	2860	2860	2160	1440	740	590	2720	2740	2040	1370	700	550
105 40.6	Q(Btu/h)	22100	22500	16680	11040	5640	4500	20930	20930	15800	10460	5340	4270	19670	19240	14850	9820	5020	4010
	W	2950	2910	2220	1490	760	600	2790	2790	2110	1400	720	570	2650	2680	2000	1340	680	530
100 37.8	Q(Btu/h)	22930	23350	17320	11450	5840	4670	21720	21720	16400	10850	5530	4430	20410	20200	15410	10190	5200	4160
	W	2870	2840	2150	1440	730	570	2710	2710	2040	1350	690	550	2580	2600	1930	1290	650	510
95 35.0	Q(Btu/h)	23760	24190	17940	11870	6060	4840	22500	22500	16990	11250	5740	4590	21150	21150	15960	10560	5400	4310
	W	2780	2760	2090	1390	700	550	2630	2630	1980	1310	660	530	2500	2510	1870	1250	620	490
90 32.2	Q(Btu/h)	24710	24980	18660	12330	6300	5030	23400	23400	17670	11690	5970	4770	21990	21940	16600	10970	5610	4470
	W	2680	2660	2010	1340	670	530	2530	2530	1910	1260	640	510	2400	2420	1810	1200	610	480
85 29.4	Q(Btu/h)	25660	25760	19370	12820	6540	5230	24300	24300	18350	12150	6200	4960	22840	22730	17240	11410	5830	4650
	W	2570	2560	1930	1290	640	510	2430	2430	1830	1210	610	490	2310	2330	1730	1160	580	460
80 26.7	Q(Btu/h)	26610	26660	20090	13310	6800	5430	25200	25200	19030	12610	6440	5150	23680	23630	17880	11840	6050	4830
	W	2460	2450	1840	1220	620	490	2320	2320	1750	1150	590	470	2200	2220	1660	1100	560	440
75 23.9	Q(Btu/h)	27560	27560	20810	13780	7030	5620	26100	26100	19710	13060	6660	5330	24530	24530	18520	12260	6260	5000
	W	2340	2340	1760	1170	590	470	2210	2210	1670	1100	560	450	2100	2100	1580	1050	530	420
70 21.1	Q(Btu/h)	28510	28510	21520	14240	7270	5810	27000	27000	20380	13500	6890	5510	25380	25380	19150	12670	6480	5170
	W	2220	2220	1680	1120	560	450	2100	2100	1590	1050	530	430	2000	2000	1500	1000	500	400
65 18.3	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
60 15.6	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
55 12.8	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
50 10.0	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
45 7.2	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
40 4.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
35 1.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
30 -1.1	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
25 -3.9	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
20 -6.7	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460
15 -9.4	Q(Btu/h)	24350	24350	18390	12170	6210	4970	23060	23060	17420	11540	5890	4710	21680	21680	16370	10830	5540	4420
	W	2510	2510	1890	1270	640	510	2370	2370	1790	1190	610	490	2260	2260	1690	1130	580	460

* It may not reach the above capacities in low ambient temperatures.

MSZ-HM24NA
MUZ-HM24NA2
2) HEATING

Rated
 Q(Btu/h): 26000
 W: 2500

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	30750	30750	23130	15510	7620	5260	32000	32000	24070	16140	7930	5470	33250	33250	25010	16770	8240	5680
		W	2920	2840	2200	1470	730	510	2770	2700	2090	1400	690	480	2620	2560	1980	1330	650	450
60	15.6	Q(Btu/h)	29860	29860	22460	15060	7400	5100	31150	31150	23430	15710	7720	5320	32440	32440	24400	16360	8040	5540
		W	2860	2820	2150	1440	710	480	2710	2680	2040	1370	670	460	2570	2540	1930	1300	630	440
55	12.8	Q(Btu/h)	28950	28940	21770	14600	7170	4950	30300	30290	22790	15280	7510	5180	31650	31640	23810	15960	7850	5410
		W	2790	2790	2100	1400	680	470	2650	2650	1990	1330	650	450	2510	2510	1880	1260	620	430
50	10.0	Q(Btu/h)	27170	27170	20450	13710	6740	4640	28550	28540	21480	14400	7080	4880	29930	29910	22510	15090	7420	5120
		W	2740	2740	2060	1380	670	460	2600	2600	1960	1310	640	440	2460	2460	1860	1240	610	420
45	7.2	Q(Btu/h)	25410	25400	19120	12820	6310	4350	26800	26780	20160	13520	6650	4590	28190	28160	21200	14220	6990	4830
		W	2690	2690	2020	1360	670	460	2550	2550	1920	1290	640	440	2410	2410	1820	1220	610	420
43	6.1	Q(Btu/h)	24620	24620	18520	12410	6100	4200	26000	26000	19560	13110	6440	4440	27380	27380	20600	13810	6780	4680
		W	2630	2630	1980	1330	650	450	2500	2500	1880	1260	620	430	2370	2370	1780	1190	590	410
40	4.4	Q(Btu/h)	23380	23530	17580	11780	5790	4000	24750	24900	18610	12470	6130	4230	26120	26270	19640	13160	6470	4460
		W	2600	2600	1960	1320	650	450	2470	2470	1860	1250	620	430	2340	2340	1760	1180	590	410
35	1.7	Q(Btu/h)	22120	21660	16630	11160	5480	3770	23500	23010	17670	11850	5820	4010	24880	24360	18710	12540	6160	4250
		W	2560	2510	1930	1300	630	430	2430	2380	1830	1230	600	410	2300	2250	1730	1160	570	390
30	-1.1	Q(Btu/h)	20670	19930	15560	10440	5130	3530	22050	21260	16590	11130	5470	3770	23430	22590	17620	11820	5810	4010
		W	2510	2380	1900	1270	620	430	2380	2260	1800	1210	590	410	2250	2140	1700	1150	560	390
25	-3.9	Q(Btu/h)	19220	18200	14450	9690	4760	3280	20600	19500	15490	10380	5100	3520	21980	20800	16530	11070	5440	3760
		W	2440	2250	1830	1220	600	410	2320	2140	1740	1160	570	390	2200	2030	1650	1100	540	370
20	-6.7	Q(Btu/h)	18030	16460	13560	9100	4470	3080	19450	17750	14630	9810	4820	3320	20870	19040	15700	10520	5170	3560
		W	2380	2080	1790	1200	590	410	2260	1970	1700	1140	560	390	2140	1860	1610	1080	530	370
15	-9.4	Q(Btu/h)	16810	14690	12640	8480	4170	2880	18300	15990	13760	9230	4540	3130	19790	17290	14880	9980	4910	3380
		W	2320	1900	1740	1160	570	390	2200	1800	1650	1100	540	370	2080	1700	1560	1040	510	350
10	-12.2	Q(Btu/h)	15330	12850	11530	7730	3800	2620	16900	14170	12710	8520	4190	2890	18470	15490	13890	9310	4580	3160
		W	2270	1700	1710	1150	570	390	2150	1610	1620	1090	540	370	2030	1520	1530	1030	510	350
5	-15.0	Q(Btu/h)	13800	11000	10380	6960	3420	2360	15500	12350	11660	7820	3840	2650	17200	13700	12940	8680	4260	2940
		W	2200	1490	1650	1110	550	380	2090	1410	1570	1050	520	360	1980	1330	1490	990	490	340
0	-17.8	Q(Btu/h)	12330	9180	9270	6220	3060	2110	14200	10580	10680	7160	3520	2430	16070	11980	12090	8100	3980	2750
		W	1960	1310	1470	990	480	340	1860	1240	1400	940	460	320	1760	1170	1330	890	440	300
-4	-20.0	Q(Btu/h)	10810	7430	8130	5450	2690	1850	12800	8800	9630	6460	3180	2190	14790	10170	11130	7470	3670	2530
		W	1840	1120	1390	940	460	320	1750	1060	1320	890	440	300	1660	1000	1250	840	420	280

* Above data is for heating operation without any frost.

MSZ-FH06NA
MUZ-FH06NA
1) COOLING

Rated
 Q(Btu/h): 6000
 W: 315

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	8140	5520	6050	4140	2060	1730	7700	5130	5730	3930	1960	1640	7240	4680	5380	3690	1840	1540
		W	660	360	490	320	150	130	620	350	460	310	150	130	590	330	450	280	140	120
110	43.3	Q(Btu/h)	8490	5760	6310	4330	2160	1800	8040	5360	5980	4110	2050	1710	7550	4910	5610	3860	1920	1600
		W	650	360	490	320	150	130	610	340	460	310	150	130	580	330	450	280	140	120
105	40.6	Q(Btu/h)	8840	6000	6570	4510	2250	1890	8370	5580	6230	4280	2140	1790	7860	5130	5850	4020	2000	1680
		W	630	350	470	320	150	130	590	330	440	310	150	130	560	320	430	280	140	120
100	37.8	Q(Btu/h)	9180	6230	6840	4680	2340	1950	8690	5790	6480	4440	2220	1850	8170	5390	6080	4170	2080	1730
		W	620	340	450	310	150	130	580	320	430	300	150	130	560	310	420	280	140	120
95	35.0	Q(Btu/h)	9510	6450	7070	4840	2410	2010	9000	6000	6700	4590	2290	1910	8460	5640	6290	4310	2140	1790
		W	600	330	440	290	140	110	560	315	420	280	140	110	540	300	410	260	130	100
90	32.2	Q(Btu/h)	9890	6660	7360	5030	2520	2100	9360	6240	6970	4770	2390	1990	8800	5850	6540	4470	2240	1860
		W	570	320	420	280	130	110	540	300	400	270	130	110	520	290	390	250	120	100
85	29.4	Q(Btu/h)	10270	6870	7640	5240	2620	2180	9720	6480	7240	4970	2490	2070	9130	6060	6790	4660	2330	1940
		W	550	310	400	280	130	110	520	290	380	270	130	110	500	280	370	250	120	100
80	26.7	Q(Btu/h)	10650	7110	7930	5430	2720	2270	10080	6720	7510	5150	2580	2150	9470	6300	7050	4830	2420	2010
		W	530	300	400	280	130	110	500	280	380	270	130	110	480	270	370	250	120	100
75	23.9	Q(Btu/h)	11030	7350	8210	5620	2810	2340	10440	6960	7780	5330	2670	2220	9810	6540	7300	5000	2500	2080
		W	500	280	370	250	120	100	470	260	350	240	120	100	450	250	340	220	110	90
70	21.1	Q(Btu/h)	11410	7600	8480	5810	2890	2410	10800	7200	8040	5510	2750	2290	10150	6770	7540	5170	2570	2150
		W	480	270	350	230	110	90	450	250	330	220	110	90	430	240	320	200	100	80
65	18.3	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
60	15.6	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
55	12.8	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
50	10.0	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
45	7.2	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
40	4.4	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
35	1.7	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
30	-1.1	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
25	-3.9	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
20	-6.7	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
15	-9.4	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH06NA
MUZ-FH06NA
2) HEATING

Rated
 Q(Btu/h): 8700
 W: 545

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	15950	10870	12000	8060	3940	1790	16600	11310	12490	8390	4100	1860	17250	11750	12980	8720	4260	1930
		W	1610	620	1210	810	400	180	1530	590	1150	770	380	170	1450	560	1090	730	360	160
60	15.6	Q(Btu/h)	15340	10280	11540	7740	3790	1730	16000	10730	12040	8080	3950	1800	16660	11180	12540	8420	4110	1870
		W	1560	620	1170	790	390	180	1480	590	1110	750	370	170	1400	560	1050	710	350	160
55	12.8	Q(Btu/h)	14710	9690	11070	7440	3640	1650	15400	10140	11590	7790	3810	1730	16090	10590	12110	8140	3980	1810
		W	1510	610	1140	760	370	170	1430	580	1080	720	350	160	1350	550	1020	680	330	150
50	10.0	Q(Btu/h)	14040	9090	10570	7100	3470	1580	14750	9550	11110	7460	3650	1660	15460	10010	11650	7820	3830	1740
		W	1450	600	1100	740	360	160	1380	570	1040	700	340	150	1310	540	980	660	320	140
45	7.2	Q(Btu/h)	13370	8500	10060	6750	3300	1500	14100	8960	10610	7120	3480	1580	14830	9420	11160	7490	3660	1660
		W	1400	590	1060	720	350	160	1330	560	1010	680	330	150	1260	530	960	640	310	140
43	6.1	Q(Btu/h)	13260	8240	9970	6690	3280	1490	14000	8700	10530	7070	3460	1570	14740	9160	11090	7450	3640	1650
		W	1340	570	1000	670	330	150	1270	545	950	640	310	140	1200	520	900	610	290	130
40	4.4	Q(Btu/h)	12660	7870	9530	6410	3130	1420	13400	8330	10090	6780	3310	1500	14140	8790	10650	7150	3490	1580
		W	1320	570	980	660	330	150	1250	540	930	630	310	140	1180	510	880	600	290	130
35	1.7	Q(Btu/h)	12050	7250	9070	6100	2980	1360	12800	7700	9640	6480	3170	1440	13550	8150	10210	6860	3360	1520
		W	1300	550	980	660	330	150	1230	520	930	630	310	140	1160	490	880	600	290	130
30	-1.1	Q(Btu/h)	11390	6680	8570	5760	2810	1280	12150	7120	9140	6140	3000	1360	12910	7560	9710	6520	3190	1440
		W	1240	530	940	620	310	140	1180	500	890	590	290	130	1120	470	840	560	270	120
25	-3.9	Q(Btu/h)	10730	6090	8080	5430	2660	1210	11500	6530	8660	5820	2850	1300	12270	6970	9240	6210	3040	1390
		W	1190	500	910	610	290	140	1130	470	860	580	280	130	1070	440	810	550	270	120
20	-6.7	Q(Btu/h)	10060	5510	7570	5080	2480	1130	10850	5940	8160	5480	2680	1220	11640	6370	8750	5880	2880	1310
		W	1140	450	850	570	270	130	1080	430	810	540	260	120	1020	410	770	510	250	110
15	-9.4	Q(Btu/h)	9370	4920	7060	4740	2320	1060	10200	5350	7680	5160	2520	1150	11030	5780	8300	5580	2720	1240
		W	1090	410	820	560	270	130	1030	390	780	530	260	120	970	370	740	500	250	110
10	-12.2	Q(Btu/h)	8660	4300	6510	4370	2140	970	9550	4740	7180	4820	2360	1070	10440	5180	7850	5270	2580	1170
		W	1030	370	780	530	250	120	980	350	740	500	240	110	930	330	700	470	230	100
5	-15.0	Q(Btu/h)	7930	3680	5970	4010	1960	890	8900	4130	6700	4500	2200	1000	9870	4580	7430	4990	2440	1110
		W	980	330	750	510	240	110	930	310	710	480	230	100	880	290	670	450	220	90
0	-17.8	Q(Btu/h)	7200	3060	5430	3640	1780	810	8300	3520	6250	4190	2050	930	9400	3980	7070	4740	2320	1050
		W	930	280	700	460	220	110	880	270	660	440	210	100	830	260	620	420	200	90
-4	-20.0	Q(Btu/h)	6500	2450	4890	3280	1600	730	7700	2900	5790	3890	1900	860	8900	3350	6690	4500	2200	990
		W	870	240	660	440	220	110	830	230	630	420	210	100	790	220	600	400	200	90
-10	-23.3	Q(Btu/h)	5700	1950	4300	2890	1410	640	7150	2450	5390	3620	1770	800	8600	2950	6480	4350	2130	960
		W	830	210	620	420	210	90	790	200	590	400	200	90	750	190	560	380	190	90
-13	-25.0	Q(Btu/h)	5070	1540	3810	2560	1250	570	6600	2000	4960	3330	1630	740	8130	2460	6110	4100	2010	910
		W	790	180	590	390	190	80	750	170	560	370	180	80	710	160	530	350	170	80

* Above data is for heating operation without any frost.

MSZ-FH06NA
MUZ-FH06NAH
1) COOLING

Rated
 Q(Btu/h): 6000
 W: 315

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	8140	5520	6050	4140	2060	1730	7700	5130	5730	3930	1960	1640	7240	4680	5380	3690	1840	1540
		W	660	360	490	320	150	130	620	350	460	310	150	130	590	330	450	280	140	120
110	43.3	Q(Btu/h)	8490	5760	6310	4330	2160	1800	8040	5360	5980	4110	2050	1710	7550	4910	5610	3860	1920	1600
		W	650	360	490	320	150	130	610	340	460	310	150	130	580	330	450	280	140	120
105	40.6	Q(Btu/h)	8840	6000	6570	4510	2250	1890	8370	5580	6230	4280	2140	1790	7860	5130	5850	4020	2000	1680
		W	630	350	470	320	150	130	590	330	440	310	150	130	560	320	430	280	140	120
100	37.8	Q(Btu/h)	9180	6230	6840	4680	2340	1950	8690	5790	6480	4440	2220	1850	8170	5390	6080	4170	2080	1730
		W	620	340	450	310	150	130	580	320	430	300	150	130	560	310	420	280	140	120
95	35.0	Q(Btu/h)	9510	6450	7070	4840	2410	2010	9000	6000	6700	4590	2290	1910	8460	5640	6290	4310	2140	1790
		W	600	330	440	290	140	110	560	315	420	280	140	110	540	300	410	260	130	100
90	32.2	Q(Btu/h)	9890	6660	7360	5030	2520	2100	9360	6240	6970	4770	2390	1990	8800	5850	6540	4470	2240	1860
		W	570	320	420	280	130	110	540	300	400	270	130	110	520	290	390	250	120	100
85	29.4	Q(Btu/h)	10270	6870	7640	5240	2620	2180	9720	6480	7240	4970	2490	2070	9130	6060	6790	4660	2330	1940
		W	550	310	400	280	130	110	520	290	380	270	130	110	500	280	370	250	120	100
80	26.7	Q(Btu/h)	10650	7110	7930	5430	2720	2270	10080	6720	7510	5150	2580	2150	9470	6300	7050	4830	2420	2010
		W	530	300	400	280	130	110	500	280	380	270	130	110	480	270	370	250	120	100
75	23.9	Q(Btu/h)	11030	7350	8210	5620	2810	2340	10440	6960	7780	5330	2670	2220	9810	6540	7300	5000	2500	2080
		W	500	280	370	250	120	100	470	260	350	240	120	100	450	250	340	220	110	90
70	21.1	Q(Btu/h)	11410	7600	8480	5810	2890	2410	10800	7200	8040	5510	2750	2290	10150	6770	7540	5170	2570	2150
		W	480	270	350	230	110	90	450	250	330	220	110	90	430	240	320	200	100	80
65	18.3	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
60	15.6	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
55	12.8	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
50	10.0	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
45	7.2	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
40	4.4	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
35	1.7	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
30	-1.1	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
25	-3.9	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
20	-6.7	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100
15	-9.4	Q(Btu/h)	9750	6490	7260	4970	2480	2060	9230	6150	6880	4710	2360	1960	8670	5780	6450	4420	2210	1840
		W	540	310	400	280	130	110	510	290	380	270	130	110	490	280	370	250	120	100

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH06NA
MUZ-FH06NAH
2) HEATING

Rated
 Q(Btu/h): 8700
 W: 545

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	15950	10870	12000	8060	3940	1790	16600	11310	12490	8390	4100	1860	17250	11750	12980	8720	4260	1930
		W	1610	620	1210	810	400	180	1530	590	1150	770	380	170	1450	560	1090	730	360	160
60	15.6	Q(Btu/h)	15340	10280	11540	7740	3790	1730	16000	10730	12040	8080	3950	1800	16660	11180	12540	8420	4110	1870
		W	1560	620	1170	790	390	180	1480	590	1110	750	370	170	1400	560	1050	710	350	160
55	12.8	Q(Btu/h)	14710	9690	11070	7440	3640	1650	15400	10140	11590	7790	3810	1730	16090	10590	12110	8140	3980	1810
		W	1510	610	1140	760	370	170	1430	580	1080	720	350	160	1350	550	1020	680	330	150
50	10.0	Q(Btu/h)	14040	9090	10570	7100	3470	1580	14750	9550	11110	7460	3650	1660	15460	10010	11650	7820	3830	1740
		W	1450	600	1100	740	360	160	1380	570	1040	700	340	150	1310	540	980	660	320	140
45	7.2	Q(Btu/h)	13370	8500	10060	6750	3300	1500	14100	8960	10610	7120	3480	1580	14830	9420	11160	7490	3660	1660
		W	1400	590	1060	720	350	160	1330	560	1010	680	330	150	1260	530	960	640	310	140
43	6.1	Q(Btu/h)	13260	8240	9970	6690	3280	1490	14000	8700	10530	7070	3460	1570	14740	9160	11090	7450	3640	1650
		W	1340	570	1000	670	330	150	1270	545	950	640	310	140	1200	520	900	610	290	130
40	4.4	Q(Btu/h)	12660	7870	9530	6410	3130	1420	13400	8330	10090	6780	3310	1500	14140	8790	10650	7150	3490	1580
		W	1320	570	980	660	330	150	1250	540	930	630	310	140	1180	510	880	600	290	130
35	1.7	Q(Btu/h)	12050	7250	9070	6100	2980	1360	12800	7700	9640	6480	3170	1440	13550	8150	10210	6860	3360	1520
		W	1300	550	980	660	330	150	1230	520	930	630	310	140	1160	490	880	600	290	130
30	-1.1	Q(Btu/h)	11390	6680	8570	5760	2810	1280	12150	7120	9140	6140	3000	1360	12910	7560	9710	6520	3190	1440
		W	1370	660	1070	750	440	270	1310	630	1020	720	420	260	1250	600	970	690	400	250
25	-3.9	Q(Btu/h)	10730	6090	8080	5430	2660	1210	11500	6530	8660	5820	2850	1300	12270	6970	9240	6210	3040	1390
		W	1320	630	1040	740	420	270	1260	600	990	710	410	260	1200	570	940	680	400	250
20	-6.7	Q(Btu/h)	10060	5510	7570	5080	2480	1130	10850	5940	8160	5480	2680	1220	11640	6370	8750	5880	2880	1310
		W	1270	580	980	700	400	260	1210	560	940	670	390	250	1150	540	900	640	380	240
15	-9.4	Q(Btu/h)	9370	4920	7060	4740	2320	1060	10200	5350	7680	5160	2520	1150	11030	5780	8300	5580	2720	1240
		W	1220	540	950	690	400	260	1160	520	910	660	390	250	1100	500	870	630	380	240
10	-12.2	Q(Btu/h)	8660	4300	6510	4370	2140	970	9550	4740	7180	4820	2360	1070	10440	5180	7850	5270	2580	1170
		W	1160	500	910	660	380	250	1110	480	870	630	370	240	1060	460	830	600	360	230
5	-15.0	Q(Btu/h)	7930	3680	5970	4010	1960	890	8900	4130	6700	4500	2200	1000	9870	4580	7430	4990	2440	1110
		W	1110	460	880	640	370	240	1060	440	840	610	360	230	1010	420	800	580	350	220
0	-17.8	Q(Btu/h)	7200	3060	5430	3640	1780	810	8300	3520	6250	4190	2050	930	9400	3980	7070	4740	2320	1050
		W	1060	410	830	590	350	240	1010	400	790	570	340	230	960	390	750	550	330	220
-4	-20.0	Q(Btu/h)	6500	2450	4890	3280	1600	730	7700	2900	5790	3890	1900	860	8900	3350	6690	4500	2200	990
		W	1000	370	790	570	350	240	960	360	760	550	340	230	920	350	730	530	330	220
-10	-23.3	Q(Btu/h)	5700	1950	4300	2890	1410	640	7150	2450	5390	3620	1770	800	8600	2950	6480	4350	2130	960
		W	960	340	750	550	340	220	920	330	720	530	330	220	880	320	690	510	320	220
-13	-25.0	Q(Btu/h)	5070	1540	3810	2560	1250	570	6600	2000	4960	3330	1630	740	8130	2460	6110	4100	2010	910
		W	920	310	720	520	320	210	880	300	690	500	310	210	840	290	660	480	300	210

* Above data is for heating operation without any frost.

MSZ-FH09NA
MUZ-FH09NA
1) COOLING

Rated
 Q(Btu/h): 9000
 W: 560

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	10830	8280	8160	5500	2680	1490	10260	7700	7730	5210	2540	1410	9640	7020	7260	4890	2380	1330
		W	1180	640	880	590	280	150	1110	620	830	560	270	150	1060	590	790	520	260	140
110	43.3	Q(Btu/h)	11310	8640	8520	5720	2780	1540	10710	8040	8070	5420	2630	1460	10060	7360	7580	5090	2470	1380
		W	1150	630	880	590	280	150	1090	610	830	560	270	150	1040	580	790	520	260	140
105	40.6	Q(Btu/h)	11790	9000	8870	5970	2910	1620	11160	8370	8410	5660	2760	1530	10490	7700	7900	5320	2590	1440
		W	1120	620	850	570	270	150	1060	590	800	540	260	150	1010	570	760	500	250	140
100	37.8	Q(Btu/h)	12230	9340	9210	6190	3020	1680	11580	8690	8730	5870	2860	1590	10880	8080	8200	5510	2690	1500
		W	1090	610	830	540	260	140	1030	580	780	520	250	140	980	550	740	480	240	130
95	35.0	Q(Btu/h)	12670	9680	9540	6420	3120	1750	12000	9000	9040	6080	2960	1650	11280	8460	8490	5710	2780	1550
		W	1060	590	800	520	260	140	1000	560	750	500	250	140	950	530	710	470	240	130
90	32.2	Q(Btu/h)	13180	10000	9920	6670	3250	1810	12480	9360	9400	6320	3080	1710	11730	8780	8830	5940	2890	1610
		W	1030	570	780	520	260	140	970	540	730	500	250	140	920	520	700	470	240	130
85	29.4	Q(Btu/h)	13690	10310	10310	6940	3380	1880	12960	9720	9770	6580	3200	1780	12180	9090	9170	6180	3000	1680
		W	990	550	740	490	240	130	930	520	700	470	230	130	890	500	670	440	220	120
80	26.7	Q(Btu/h)	14190	10670	10690	7190	3490	1950	13440	10080	10130	6810	3310	1840	12630	9450	9510	6400	3110	1730
		W	940	530	710	470	230	120	890	500	670	450	220	120	850	480	640	420	210	110
75	23.9	Q(Btu/h)	14700	11030	11070	7450	3630	2020	13920	10440	10490	7060	3440	1910	13080	9810	9850	6630	3230	1800
		W	890	500	670	450	220	120	840	470	630	430	210	120	800	450	600	400	200	110
70	21.1	Q(Btu/h)	15210	11410	11450	7700	3750	2080	14400	10800	10850	7300	3550	1970	13530	10150	10190	6860	3330	1860
		W	850	480	640	420	210	110	800	450	600	400	200	110	760	430	570	370	190	100
65	18.3	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
60	15.6	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
55	12.8	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
50	10.0	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
45	7.2	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
40	4.4	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
35	1.7	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
30	-1.1	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
25	-3.9	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
20	-6.7	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
15	-9.4	Q(Btu/h)	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
		W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH09NA
MUZ-FH09NA
2) HEATING

Rated
 Q(Btu/h): 10900
 W: 710

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	21330	13620	15950	10760	5380	1850	22200	14170	16600	11200	5600	1930	23070	14720	17250	11640	5820	2010
		W	1740	810	1300	870	440	150	1650	770	1230	830	420	140	1560	730	1160	790	400	130
60	15.6	Q(Btu/h)	20420	12880	15270	10290	5150	1770	21300	13440	15930	10740	5370	1850	22180	14000	16590	11190	5590	1930
		W	1720	800	1290	860	430	150	1630	760	1220	820	410	140	1540	720	1150	780	390	130
55	12.8	Q(Btu/h)	19490	12130	14580	9830	4910	1690	20400	12700	15260	10290	5140	1770	21310	13270	15940	10750	5370	1850
		W	1690	790	1260	850	420	150	1600	750	1200	810	400	140	1510	710	1140	770	380	130
50	10.0	Q(Btu/h)	18510	11390	13850	9340	4660	1610	19450	11970	14550	9810	4900	1690	20390	12550	15250	10280	5140	1770
		W	1660	780	1250	840	420	150	1580	740	1190	800	400	140	1500	700	1130	760	380	130
45	7.2	Q(Btu/h)	17540	10650	13110	8850	4430	1530	18500	11230	13830	9330	4670	1610	19460	11810	14550	9810	4910	1690
		W	1630	760	1220	820	410	140	1550	720	1160	780	390	130	1470	680	1100	740	370	120
43	6.1	Q(Btu/h)	17040	10320	12750	8600	4300	1490	18000	10900	13460	9080	4540	1570	18960	11480	14170	9560	4780	1650
		W	1550	750	1160	780	390	140	1470	710	1100	740	370	130	1390	670	1040	700	350	120
40	4.4	Q(Btu/h)	16350	9860	12230	8250	4120	1420	17300	10440	12940	8730	4360	1500	18250	11020	13650	9210	4600	1580
		W	1540	740	1150	770	390	140	1460	700	1090	730	370	130	1380	660	1030	690	350	120
35	1.7	Q(Btu/h)	15630	9080	11680	7880	3940	1360	16600	9650	12410	8370	4190	1440	17570	10220	13140	8860	4440	1520
		W	1530	710	1140	770	390	140	1450	670	1080	730	370	130	1370	630	1020	690	350	120
30	-1.1	Q(Btu/h)	14720	8360	11010	7430	3710	1280	15700	8920	11740	7920	3960	1370	16680	9480	12470	8410	4210	1460
		W	1520	670	1140	770	390	140	1440	640	1080	730	370	130	1360	610	1020	690	350	120
25	-3.9	Q(Btu/h)	13810	7630	10330	6960	3480	1200	14800	8180	11070	7460	3730	1290	15790	8730	11810	7960	3980	1380
		W	1510	640	1130	760	380	130	1430	610	1070	720	360	120	1350	580	1010	680	340	110
20	-6.7	Q(Btu/h)	12840	6900	9600	6480	3240	1110	13850	7440	10360	6990	3490	1200	14860	7980	11120	7500	3740	1290
		W	1500	590	1120	750	370	130	1420	560	1060	710	350	120	1340	530	1000	670	330	110
15	-9.4	Q(Btu/h)	11850	6160	8870	5980	2990	1030	12900	6700	9650	6510	3250	1120	13950	7240	10430	7040	3510	1210
		W	1490	540	1120	750	370	130	1410	510	1060	710	350	120	1330	480	1000	670	330	110
10	-12.2	Q(Btu/h)	10840	5390	8110	5470	2730	940	11950	5940	8940	6030	3010	1040	13060	6490	9770	6590	3290	1140
		W	1460	480	1100	740	370	130	1390	460	1040	700	350	120	1320	440	980	660	330	110
5	-15.0	Q(Btu/h)	9800	4610	7330	4940	2470	860	11000	5180	8230	5550	2770	960	12200	5750	9130	6160	3070	1060
		W	1430	420	1070	730	370	130	1360	400	1020	690	350	120	1290	380	970	650	330	110
0	-17.8	Q(Btu/h)	8770	3850	6550	4420	2210	760	10100	4440	7550	5090	2550	880	11430	5030	8550	5760	2890	1000
		W	1400	370	1040	700	350	120	1330	350	990	660	330	110	1260	330	940	620	310	100
-5	-20.6	Q(Btu/h)	7710	3100	5760	3890	1940	670	9200	3700	6880	4640	2320	800	10690	4300	8000	5390	2700	930
		W	1380	320	1020	700	350	120	1310	300	970	660	330	110	1240	280	920	620	310	100
-10	-23.3	Q(Btu/h)	6740	2470	5040	3400	1700	580	8450	3100	6320	4260	2130	730	10160	3730	7600	5120	2560	880
		W	1360	270	1020	700	350	120	1290	260	970	660	330	110	1220	250	920	620	310	100
-14	-25.6	Q(Btu/h)	5830	1890	4360	2940	1470	510	7700	2500	5760	3880	1940	670	9570	3110	7160	4820	2410	830
		W	1340	220	1000	670	340	120	1270	210	950	640	320	110	1200	200	900	610	300	100

* Above data is for heating operation without any frost.

MSZ-FH09NA
MUZ-FH09NAH
1) COOLING

Rated
 Q(Btu/h): 9000
 W: 560

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	10830	8280	8160	5500	2680	1490	10260	7700	7730	5210	2540	1410	9640	7020	7260	4890	2380	1330
	W	1180	640	880	590	280	150	1110	620	830	560	270	150	1060	590	790	520	260	140
110	43.3	11310	8640	8520	5720	2780	1540	10710	8040	8070	5420	2630	1460	10060	7360	7580	5090	2470	1380
	W	1150	630	880	590	280	150	1090	610	830	560	270	150	1040	580	790	520	260	140
105	40.6	11790	9000	8870	5970	2910	1620	11160	8370	8410	5660	2760	1530	10490	7700	7900	5320	2590	1440
	W	1120	620	850	570	270	150	1060	590	800	540	260	150	1010	570	760	500	250	140
100	37.8	12230	9340	9210	6190	3020	1680	11580	8690	8730	5870	2860	1590	10880	8080	8200	5510	2690	1500
	W	1090	610	830	540	260	140	1030	580	780	520	250	140	980	550	740	480	240	130
95	35.0	12670	9680	9540	6420	3120	1750	12000	9000	9040	6080	2960	1650	11280	8460	8490	5710	2780	1550
	W	1060	590	800	520	260	140	1000	560	750	500	250	140	950	530	710	470	240	130
90	32.2	13180	10000	9920	6670	3250	1810	12480	9360	9400	6320	3080	1710	11730	8780	8830	5940	2890	1610
	W	1030	570	780	520	260	140	970	540	730	500	250	140	920	520	700	470	240	130
85	29.4	13690	10310	10310	6940	3380	1880	12960	9720	9770	6580	3200	1780	12180	9090	9170	6180	3000	1680
	W	990	550	740	490	240	130	930	520	700	470	230	130	890	500	670	440	220	120
80	26.7	14190	10670	10690	7190	3490	1950	13440	10080	10130	6810	3310	1840	12630	9450	9510	6400	3110	1730
	W	940	530	710	470	230	120	890	500	670	450	220	120	850	480	640	420	210	110
75	23.9	14700	11030	11070	7450	3630	2020	13920	10440	10490	7060	3440	1910	13080	9810	9850	6630	3230	1800
	W	890	500	670	450	220	120	840	470	630	430	210	120	800	450	600	400	200	110
70	21.1	15210	11410	11450	7700	3750	2080	14400	10800	10850	7300	3550	1970	13530	10150	10190	6860	3330	1860
	W	850	480	640	420	210	110	800	450	600	400	200	110	760	430	570	370	190	100
65	18.3	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
60	15.6	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
55	12.8	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
50	10.0	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
45	7.2	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
40	4.4	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
35	1.7	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
30	-1.1	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
25	-3.9	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
20	-6.7	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110
15	-9.4	12990	9750	9780	6570	3200	1770	12300	9230	9270	6230	3030	1680	11560	8670	8710	5850	2840	1590
	W	960	530	730	470	230	120	900	500	680	450	220	120	860	480	650	420	210	110

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH09NA
MUZ-FH09NAH
2) HEATING

Rated
 Q(Btu/h): 10900
 W: 710

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	21330	13620	15950	10760	5380	1850	22200	14170	16600	11200	5600	1930	23070	14720	17250	11640	5820	2010
		W	1740	810	1300	870	440	150	1650	770	1230	830	420	140	1560	730	1160	790	400	130
60	15.6	Q(Btu/h)	20420	12880	15270	10290	5150	1770	21300	13440	15930	10740	5370	1850	22180	14000	16590	11190	5590	1930
		W	1720	800	1290	860	430	150	1630	760	1220	820	410	140	1540	720	1150	780	390	130
55	12.8	Q(Btu/h)	19490	12130	14580	9830	4910	1690	20400	12700	15260	10290	5140	1770	21310	13270	15940	10750	5370	1850
		W	1690	790	1260	850	420	150	1600	750	1200	810	400	140	1510	710	1140	770	380	130
50	10.0	Q(Btu/h)	18510	11390	13850	9340	4660	1610	19450	11970	14550	9810	4900	1690	20390	12550	15250	10280	5140	1770
		W	1660	780	1250	840	420	150	1580	740	1190	800	400	140	1500	700	1130	760	380	130
45	7.2	Q(Btu/h)	17540	10650	13110	8850	4430	1530	18500	11230	13830	9330	4670	1610	19460	11810	14550	9810	4910	1690
		W	1630	760	1220	820	410	140	1550	720	1160	780	390	130	1470	680	1100	740	370	120
43	6.1	Q(Btu/h)	17040	10320	12750	8600	4300	1490	18000	10900	13460	9080	4540	1570	18960	11480	14170	9560	4780	1650
		W	1550	750	1160	780	390	140	1470	710	1100	740	370	130	1390	670	1040	700	350	120
40	4.4	Q(Btu/h)	16350	9860	12230	8250	4120	1420	17300	10440	12940	8730	4360	1500	18250	11020	13650	9210	4600	1580
		W	1540	740	1150	770	390	140	1460	700	1090	730	370	130	1380	660	1030	690	350	120
35	1.7	Q(Btu/h)	15630	9080	11680	7880	3940	1360	16600	9650	12410	8370	4190	1440	17570	10220	13140	8860	4440	1520
		W	1530	710	1140	770	390	140	1450	670	1080	730	370	130	1370	630	1020	690	350	120
30	-1.1	Q(Btu/h)	14720	8360	11010	7430	3710	1280	15700	8920	11740	7920	3960	1370	16680	9480	12470	8410	4210	1460
		W	1650	800	1270	900	520	270	1570	770	1210	860	500	260	1490	740	1150	820	480	250
25	-3.9	Q(Btu/h)	13810	7630	10330	6960	3480	1200	14800	8180	11070	7460	3730	1290	15790	8730	11810	7960	3980	1380
		W	1640	770	1260	890	510	260	1560	740	1200	850	490	250	1480	710	1140	810	470	240
20	-6.7	Q(Btu/h)	12840	6900	9600	6480	3240	1110	13850	7440	10360	6990	3490	1200	14860	7980	11120	7500	3740	1290
		W	1630	720	1250	880	500	260	1550	690	1190	840	480	250	1470	660	1130	800	460	240
15	-9.4	Q(Btu/h)	11850	6160	8870	5980	2990	1030	12900	6700	9650	6510	3250	1120	13950	7240	10430	7040	3510	1210
		W	1620	670	1250	880	500	260	1540	640	1190	840	480	250	1460	610	1130	800	460	240
10	-12.2	Q(Btu/h)	10840	5390	8110	5470	2730	940	11950	5940	8940	6030	3010	1040	13060	6490	9770	6590	3290	1140
		W	1590	610	1230	870	500	260	1520	590	1170	830	480	250	1450	570	1110	790	460	240
5	-15.0	Q(Btu/h)	9800	4610	7330	4940	2470	860	11000	5180	8230	5550	2770	960	12200	5750	9130	6160	3070	1060
		W	1560	550	1200	860	500	260	1490	530	1150	820	480	250	1420	510	1100	780	460	240
0	-17.8	Q(Btu/h)	8770	3850	6550	4420	2210	760	10100	4440	7550	5090	2550	880	11430	5030	8550	5760	2890	1000
		W	1530	500	1170	830	480	250	1460	480	1120	790	460	240	1390	460	1070	750	440	230
-5	-20.6	Q(Btu/h)	7710	3100	5760	3890	1940	670	9200	3700	6880	4640	2320	800	10690	4300	8000	5390	2700	930
		W	1510	450	1150	830	480	250	1440	430	1100	790	460	240	1370	410	1050	750	440	230
-10	-23.3	Q(Btu/h)	6740	2470	5040	3400	1700	580	8450	3100	6320	4260	2130	730	10160	3730	7600	5120	2560	880
		W	1490	400	1150	830	480	250	1420	390	1100	790	460	240	1350	380	1050	750	440	230
-14	-25.6	Q(Btu/h)	5830	1890	4360	2940	1470	510	7700	2500	5760	3880	1940	670	9570	3110	7160	4820	2410	830
		W	1470	350	1130	800	470	250	1400	340	1080	770	450	240	1330	330	1030	740	430	230

* Above data is for heating operation without any frost.

MSZ-FH12NA
MUZ-FH12NA
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 560

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	12280	11040	9320	6130	3160	2120	11630	10260	8830	5820	3010	2010	10920	9360	8290	5450	2820	1880
		W	1350	640	1010	680	340	220	1280	620	970	650	340	220	1210	590	920	610	300	190
110	43.3	Q(Btu/h)	12820	11520	9720	6390	3300	2210	12140	10710	9210	6070	3140	2090	11400	9810	8650	5690	2940	1960
		W	1310	630	990	650	320	210	1250	610	950	620	320	210	1190	580	900	580	280	190
105	40.6	Q(Btu/h)	13360	12000	10130	6660	3430	2300	12650	11160	9600	6320	3260	2180	11880	10260	9010	5920	3050	2040
		W	1280	620	960	620	310	210	1220	590	920	600	310	210	1160	570	870	560	270	190
100	37.8	Q(Btu/h)	13860	12450	10510	6910	3560	2380	13130	11580	9960	6560	3390	2260	12330	10770	9350	6140	3170	2120
		W	1250	610	950	620	310	210	1190	580	910	600	310	210	1130	550	860	560	270	190
95	35.0	Q(Btu/h)	14360	12900	10880	7150	3690	2470	13600	12000	10310	6790	3510	2340	12770	11280	9680	6360	3290	2190
		W	1210	590	910	590	290	190	1150	560	870	570	290	190	1090	530	820	540	260	170
90	32.2	Q(Btu/h)	14940	13320	11330	7460	3850	2570	14150	12480	10740	7080	3660	2440	13290	11700	10090	6630	3430	2290
		W	1170	570	880	580	290	190	1110	540	850	560	290	190	1050	520	800	530	260	170
85	29.4	Q(Btu/h)	15510	13740	11750	7730	3980	2670	14690	12960	11140	7340	3790	2530	13800	12120	10460	6880	3550	2370
		W	1110	550	830	550	270	180	1060	520	800	530	270	180	1010	500	760	500	240	160
80	26.7	Q(Btu/h)	16090	14220	12200	8010	4140	2760	15240	13440	11560	7610	3940	2620	14310	12600	10860	7130	3690	2460
		W	1070	530	800	530	260	180	1020	500	770	510	260	180	970	480	730	480	230	160
75	23.9	Q(Btu/h)	16660	14700	12630	8320	4300	2870	15780	13920	11970	7900	4090	2720	14820	13080	11240	7400	3830	2550
		W	1020	500	770	510	260	170	970	470	740	490	260	170	920	450	700	460	230	150
70	21.1	Q(Btu/h)	17230	15210	13060	8580	4430	2960	16320	14400	12380	8150	4210	2810	15330	13530	11620	7630	3940	2630
		W	970	480	720	480	240	160	920	450	690	460	240	160	870	430	650	430	210	140
65	18.3	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
60	15.6	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
55	12.8	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
50	10.0	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
45	7.2	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
40	4.4	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
35	1.7	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
30	-1.1	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
25	-3.9	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
20	-6.7	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
15	-9.4	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH12NA
MUZ-FH12NA
2) HEATING

Rated
 Q(Btu/h): 13600
 W: 950

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	22770	16990	17200	11390	5810	3870	23700	17680	17900	11850	6050	4030	24630	18370	18600	12310	6290	4190
		W	2480	1090	1880	1240	630	420	2350	1030	1780	1180	600	400	2220	970	1680	1120	570	380
60	15.6	Q(Btu/h)	22190	16060	16750	11090	5660	3780	23150	16760	17480	11570	5910	3940	24110	17460	18210	12050	6160	4100
		W	2480	1070	1880	1240	630	420	2350	1020	1780	1180	600	400	2220	970	1680	1120	570	380
55	12.8	Q(Btu/h)	21590	15130	16320	10800	5510	3680	22600	15840	17080	11310	5770	3850	23610	16550	17840	11820	6030	4020
		W	2480	1060	1880	1240	630	420	2350	1010	1780	1180	600	400	2220	960	1680	1120	570	380
50	10.0	Q(Btu/h)	20940	14210	15810	10460	5340	3560	22000	14930	16610	10990	5610	3740	23060	15650	17410	11520	5880	3920
		W	2480	1040	1880	1240	630	420	2350	990	1780	1180	600	400	2220	940	1680	1120	570	380
45	7.2	Q(Btu/h)	20290	13290	15320	10150	5180	3450	21400	14010	16160	10700	5460	3640	22510	14730	17000	11250	5740	3830
		W	2480	1020	1880	1240	630	420	2350	970	1780	1180	600	400	2220	920	1680	1120	570	380
43	6.1	Q(Btu/h)	19890	12880	15030	9950	5080	3390	21000	13600	15870	10510	5370	3580	22110	14320	16710	11070	5660	3770
		W	2420	1000	1830	1210	620	410	2300	950	1740	1150	590	390	2180	900	1650	1090	560	370
40	4.4	Q(Btu/h)	19370	12310	14640	9690	4950	3300	20500	13030	15490	10260	5240	3490	21630	13750	16340	10830	5530	3680
		W	2420	990	1830	1210	620	410	2300	940	1740	1150	590	390	2180	890	1650	1090	560	370
35	1.7	Q(Btu/h)	18830	11330	14220	9410	4810	3210	20000	12040	15110	10000	5110	3410	21170	12750	16000	10590	5410	3610
		W	2410	950	1820	1200	610	410	2290	900	1730	1140	580	390	2170	850	1640	1080	550	370
30	-1.1	Q(Btu/h)	17860	10430	13490	8940	4570	3050	19050	11120	14390	9530	4870	3250	20240	11810	15290	10120	5170	3450
		W	2340	910	1770	1180	600	400	2220	860	1680	1120	570	380	2100	810	1590	1060	540	360
25	-3.9	Q(Btu/h)	16890	9520	12760	8440	4310	2870	18100	10200	13670	9050	4620	3080	19310	10880	14580	9660	4930	3290
		W	2270	850	1710	1130	580	390	2150	810	1620	1070	550	370	2030	770	1530	1010	520	350
20	-6.7	Q(Btu/h)	15810	8600	11940	7910	4040	2700	17050	9280	12880	8530	4360	2910	18290	9960	13820	9150	4680	3120
		W	2190	790	1650	1100	560	370	2080	750	1570	1040	530	350	1970	710	1490	980	500	330
15	-9.4	Q(Btu/h)	14700	7680	11110	7360	3760	2510	16000	8360	12090	8010	4090	2730	17300	9040	13070	8660	4420	2950
		W	2120	720	1600	1060	550	370	2010	680	1520	1010	520	350	1900	640	1440	960	490	330
10	-12.2	Q(Btu/h)	13610	6720	10270	6790	3470	2310	15000	7410	11320	7490	3830	2550	16390	8100	12370	8190	4190	2790
		W	2040	640	1540	1020	520	350	1940	610	1460	970	490	330	1840	580	1380	920	460	310
5	-15.0	Q(Btu/h)	12470	5750	9410	6230	3180	2120	14000	6460	10570	7000	3570	2380	15530	7170	11730	7770	3960	2640
		W	1960	570	1470	970	500	330	1860	540	1400	920	470	310	1760	510	1330	870	440	290
0	-17.8	Q(Btu/h)	11280	4800	8530	5640	2880	1920	13000	5530	9830	6500	3320	2210	14720	6260	11130	7360	3760	2500
		W	1890	510	1420	940	470	320	1790	480	1350	890	450	300	1690	450	1280	840	430	280
-4	-20.0	Q(Btu/h)	10050	3880	7580	5020	2560	1710	11900	4600	8980	5940	3030	2020	13750	5320	10380	6860	3500	2330
		W	1800	430	1370	910	460	310	1710	410	1300	860	440	290	1620	390	1230	810	420	270
-10	-23.3	Q(Btu/h)	8850	3070	6690	4430	2260	1510	11100	3850	8390	5560	2840	1890	13350	4630	10090	6690	3420	2270
		W	1750	380	1320	870	440	290	1660	360	1250	830	420	280	1570	340	1180	790	400	270
-13	-25.0	Q(Btu/h)	7910	2380	5970	3950	2020	1340	10300	3100	7770	5140	2630	1750	12690	3820	9570	6330	3240	2160
		W	1690	320	1270	840	430	280	1600	300	1210	800	410	270	1510	280	1150	760	390	260

* Above data is for heating operation without any frost.

MSZ-FH12NA
MUZ-FH12NAH
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 560

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	12280	11040	9320	6130	3160	2120	11630	10260	8830	5820	3010	2010	10920	9360	8290	5450	2820	1880
		W	1350	640	1010	680	340	220	1280	620	970	650	340	220	1210	590	920	610	300	190
110	43.3	Q(Btu/h)	12820	11520	9720	6390	3300	2210	12140	10710	9210	6070	3140	2090	11400	9810	8650	5690	2940	1960
		W	1310	630	990	650	320	210	1250	610	950	620	320	210	1190	580	900	580	280	190
105	40.6	Q(Btu/h)	13360	12000	10130	6660	3430	2300	12650	11160	9600	6320	3260	2180	11880	10260	9010	5920	3050	2040
		W	1280	620	960	620	310	210	1220	590	920	600	310	210	1160	570	870	560	270	190
100	37.8	Q(Btu/h)	13860	12450	10510	6910	3560	2380	13130	11580	9960	6560	3390	2260	12330	10770	9350	6140	3170	2120
		W	1250	610	950	620	310	210	1190	580	910	600	310	210	1130	550	860	560	270	190
95	35.0	Q(Btu/h)	14360	12900	10880	7150	3690	2470	13600	12000	10310	6790	3510	2340	12770	11280	9680	6360	3290	2190
		W	1210	590	910	590	290	190	1150	560	870	570	290	190	1090	530	820	540	260	170
90	32.2	Q(Btu/h)	14940	13320	11330	7460	3850	2570	14150	12480	10740	7080	3660	2440	13290	11700	10090	6630	3430	2290
		W	1170	570	880	580	290	190	1110	540	850	560	290	190	1050	520	800	530	260	170
85	29.4	Q(Btu/h)	15510	13740	11750	7730	3980	2670	14690	12960	11140	7340	3790	2530	13800	12120	10460	6880	3550	2370
		W	1110	550	830	550	270	180	1060	520	800	530	270	180	1010	500	760	500	240	160
80	26.7	Q(Btu/h)	16090	14220	12200	8010	4140	2760	15240	13440	11560	7610	3940	2620	14310	12600	10860	7130	3690	2460
		W	1070	530	800	530	260	180	1020	500	770	510	260	180	970	480	730	480	230	160
75	23.9	Q(Btu/h)	16660	14700	12630	8320	4300	2870	15780	13920	11970	7900	4090	2720	14820	13080	11240	7400	3830	2550
		W	1020	500	770	510	260	170	970	470	740	490	260	170	920	450	700	460	230	150
70	21.1	Q(Btu/h)	17230	15210	13060	8580	4430	2960	16320	14400	12380	8150	4210	2810	15330	13530	11620	7630	3940	2630
		W	970	480	720	480	240	160	920	450	690	460	240	160	870	430	650	430	210	140
65	18.3	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
60	15.6	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
55	12.8	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
50	10.0	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
45	7.2	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
40	4.4	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
35	1.7	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
30	-1.1	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
25	-3.9	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
20	-6.7	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160
15	-9.4	Q(Btu/h)	14720	12990	11160	7350	3800	2540	13940	12300	10580	6980	3610	2410	13090	11560	9930	6530	3380	2260
		W	1090	530	810	530	260	180	1030	500	780	510	260	180	970	480	730	480	230	160

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH12NA
MUZ-FH12NAH
2) HEATING

Rated
 Q(Btu/h): 13600
 W: 950

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	22770	16990	17200	11390	5810	3870	23700	17680	17900	11850	6050	4030	24630	18370	18600	12310	6290	4190
		W	2480	1090	1880	1240	630	420	2350	1030	1780	1180	600	400	2220	970	1680	1120	570	380
60	15.6	Q(Btu/h)	22190	16060	16750	11090	5660	3780	23150	16760	17480	11570	5910	3940	24110	17460	18210	12050	6160	4100
		W	2480	1070	1880	1240	630	420	2350	1020	1780	1180	600	400	2220	970	1680	1120	570	380
55	12.8	Q(Btu/h)	21590	15130	16320	10800	5510	3680	22600	15840	17080	11310	5770	3850	23610	16550	17840	11820	6030	4020
		W	2480	1060	1880	1240	630	420	2350	1010	1780	1180	600	400	2220	960	1680	1120	570	380
50	10.0	Q(Btu/h)	20940	14210	15810	10460	5340	3560	22000	14930	16610	10990	5610	3740	23060	15650	17410	11520	5880	3920
		W	2480	1040	1880	1240	630	420	2350	990	1780	1180	600	400	2220	940	1680	1120	570	380
45	7.2	Q(Btu/h)	20290	13290	15320	10150	5180	3450	21400	14010	16160	10700	5460	3640	22510	14730	17000	11250	5740	3830
		W	2480	1020	1880	1240	630	420	2350	970	1780	1180	600	400	2220	920	1680	1120	570	380
43	6.1	Q(Btu/h)	19890	12880	15030	9950	5080	3390	21000	13600	15870	10510	5370	3580	22110	14320	16710	11070	5660	3770
		W	2420	1000	1830	1210	620	410	2300	950	1740	1150	590	390	2180	900	1650	1090	560	370
40	4.4	Q(Btu/h)	19370	12310	14640	9690	4950	3300	20500	13030	15490	10260	5240	3490	21630	13750	16340	10830	5530	3680
		W	2420	990	1830	1210	620	410	2300	940	1740	1150	590	390	2180	890	1650	1090	560	370
35	1.7	Q(Btu/h)	18830	11330	14220	9410	4810	3210	20000	12040	15110	10000	5110	3410	21170	12750	16000	10590	5410	3610
		W	2410	950	1820	1200	610	410	2290	900	1730	1140	580	390	2170	850	1640	1080	550	370
30	-1.1	Q(Btu/h)	17860	10430	13490	8940	4570	3050	19050	11120	14390	9530	4870	3250	20240	11810	15290	10120	5170	3450
		W	2470	1040	1900	1310	730	530	2350	990	1810	1250	700	510	2230	940	1720	1190	670	490
25	-3.9	Q(Btu/h)	16890	9520	12760	8440	4310	2870	18100	10200	13670	9050	4620	3080	19310	10880	14580	9660	4930	3290
		W	2400	980	1840	1260	710	520	2280	940	1750	1200	680	500	2160	900	1660	1140	650	480
20	-6.7	Q(Btu/h)	15810	8600	11940	7910	4040	2700	17050	9280	12880	8530	4360	2910	18290	9960	13820	9150	4680	3120
		W	2320	920	1780	1230	690	500	2210	880	1700	1170	660	480	2100	840	1620	1110	630	460
15	-9.4	Q(Btu/h)	14700	7680	11110	7360	3760	2510	16000	8360	12090	8010	4090	2730	17300	9040	13070	8660	4420	2950
		W	2250	850	1730	1190	680	500	2140	810	1650	1140	650	480	2030	770	1570	1090	620	460
10	-12.2	Q(Btu/h)	13610	6720	10270	6790	3470	2310	15000	7410	11320	7490	3830	2550	16390	8100	12370	8190	4190	2790
		W	2170	770	1670	1150	650	480	2070	740	1590	1100	620	460	1970	710	1510	1050	590	440
5	-15.0	Q(Btu/h)	12470	5750	9410	6230	3180	2120	14000	6460	10570	7000	3570	2380	15530	7170	11730	7770	3960	2640
		W	2090	700	1600	1100	630	460	1990	670	1530	1050	600	440	1890	640	1460	1000	570	420
0	-17.8	Q(Btu/h)	11280	4800	8530	5640	2880	1920	13000	5530	9830	6500	3320	2210	14720	6260	11130	7360	3760	2500
		W	2020	640	1550	1070	600	450	1920	610	1480	1020	580	430	1820	580	1410	970	560	410
-4	-20.0	Q(Btu/h)	10050	3880	7580	5020	2560	1710	11900	4600	8980	5940	3030	2020	13750	5320	10380	6860	3500	2330
		W	1930	560	1500	1040	590	440	1840	540	1430	990	570	420	1750	520	1360	940	550	400
-10	-23.3	Q(Btu/h)	8850	3070	6690	4430	2260	1510	11100	3850	8390	5560	2840	1890	13350	4630	10090	6690	3420	2270
		W	1880	510	1450	1000	570	420	1790	490	1380	960	550	410	1700	470	1310	920	530	400
-13	-25.0	Q(Btu/h)	7910	2380	5970	3950	2020	1340	10300	3100	7770	5140	2630	1750	12690	3820	9570	6330	3240	2160
		W	1820	450	1400	970	560	410	1730	430	1340	930	540	400	1640	410	1280	890	520	390

* Above data is for heating operation without any frost.

MSZ-FH15NA
MUZ-FH15NA
1) COOLING

Rated
 Q(Btu/h): 15000
 W: 1200

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	17160	13800	12910	8680	4240	4040	16250	12830	12230	8220	4010	3820	15270	11700	11490	7720	3770	3590
		W	2590	1380	1930	1300	630	600	2440	1330	1840	1230	600	570	2320	1270	1730	1160	560	540
110	43.3	Q(Btu/h)	17910	14400	13480	9050	4420	4210	16960	13390	12770	8570	4180	3980	15940	12270	11990	8050	3930	3740
		W	2530	1360	1890	1270	620	590	2390	1300	1800	1210	590	560	2270	1250	1700	1150	550	530
105	40.6	Q(Btu/h)	18660	15000	14050	9450	4620	4400	17670	13950	13310	8950	4370	4160	16600	12830	12500	8400	4100	3910
		W	2470	1330	1840	1230	590	580	2330	1270	1750	1170	570	550	2220	1220	1650	1110	530	530
100	37.8	Q(Btu/h)	19370	15570	14580	9790	4790	4570	18340	14480	13810	9270	4530	4320	17230	13470	12970	8700	4260	4060
		W	2400	1300	1800	1220	590	560	2270	1240	1710	1160	570	540	2160	1190	1610	1100	530	520
95	35.0	Q(Btu/h)	20070	16130	15090	10140	4960	4730	19000	15000	14300	9610	4690	4470	17850	14100	13430	9020	4410	4200
		W	2330	1260	1730	1170	560	540	2200	1200	1650	1110	540	520	2090	1150	1560	1050	500	500
90	32.2	Q(Btu/h)	20870	16660	15700	10560	5170	4920	19760	15600	14880	10000	4890	4650	18570	14630	13970	9390	4590	4370
		W	2250	1220	1680	1140	550	520	2120	1160	1600	1080	530	500	2020	1110	1510	1020	500	480
85	29.4	Q(Btu/h)	21670	17180	16310	10970	5370	5120	20520	16200	15450	10390	5080	4840	19280	15150	14510	9760	4770	4550
		W	2160	1170	1620	1080	520	500	2040	1110	1540	1030	500	480	1940	1060	1450	980	470	460
80	26.7	Q(Btu/h)	22480	17780	16910	11380	5570	5310	21280	16800	16020	10780	5270	5020	20000	15750	15050	10120	4950	4720
		W	2070	1120	1540	1040	500	480	1950	1060	1470	990	480	460	1860	1010	1390	940	450	440
75	23.9	Q(Btu/h)	23280	18380	17520	11770	5750	5480	22040	17400	16600	11150	5440	5180	20710	16350	15590	10470	5110	4870
		W	1960	1070	1470	990	480	460	1850	1010	1400	940	460	440	1760	960	1320	890	430	420
70	21.1	Q(Btu/h)	24080	19010	18110	12170	5950	5670	22800	18000	17160	11530	5630	5360	21420	16910	16120	10830	5290	5040
		W	1850	1020	1390	940	460	440	1750	960	1320	890	440	420	1660	910	1240	840	410	400
65	18.3	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
60	15.6	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
55	12.8	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
50	10.0	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
45	7.2	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
40	4.4	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
35	1.7	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
30	-1.1	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
25	-3.9	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
20	-6.7	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
15	-9.4	Q(Btu/h)	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
		W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH15NA
MUZ-FH15NA
2) HEATING

Rated
 Q(Btu/h): 18000
 W: 1300

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	25650	22480	19290	12930	6350	4540	26700	23400	20080	13460	6610	4720	27750	24320	20870	13990	6870	4900
		W	3580	1470	2700	1810	900	640	3400	1400	2560	1720	850	610	3220	1330	2420	1630	800	580
60	15.6	Q(Btu/h)	25020	21270	18830	12620	6200	4430	26100	22190	19640	13170	6470	4620	27180	23110	20450	13720	6740	4810
		W	3580	1460	2700	1810	900	640	3400	1390	2560	1720	850	610	3220	1320	2420	1630	800	580
55	12.8	Q(Btu/h)	24360	20030	18320	12290	6040	4310	25500	20970	19180	12860	6320	4510	26640	21910	20040	13430	6600	4710
		W	3580	1450	2700	1810	900	640	3400	1380	2560	1720	850	610	3220	1310	2420	1630	800	580
50	10.0	Q(Btu/h)	23650	18810	17790	11930	5850	4180	24850	19760	18690	12530	6150	4390	26050	20710	19590	13130	6450	4600
		W	3580	1430	2700	1810	900	640	3400	1360	2560	1720	850	610	3220	1290	2420	1630	800	580
45	7.2	Q(Btu/h)	22950	17580	17260	11570	5680	4060	24200	18540	18200	12200	5990	4280	25450	19500	19140	12830	6300	4500
		W	3580	1400	2700	1810	900	640	3400	1330	2560	1720	850	610	3220	1260	2420	1630	800	580
43	6.1	Q(Btu/h)	22730	17040	17090	11460	5620	4010	24000	18000	18050	12100	5940	4240	25270	18960	19010	12740	6260	4470
		W	3580	1370	2700	1810	900	640	3400	1300	2560	1720	850	610	3220	1230	2420	1630	800	580
40	4.4	Q(Btu/h)	22160	16290	16670	11180	5490	3920	23450	17240	17640	11830	5810	4150	24740	18190	18610	12480	6130	4380
		W	3580	1360	2700	1810	900	640	3400	1290	2560	1720	850	610	3220	1220	2420	1630	800	580
35	1.7	Q(Btu/h)	21560	15000	16220	10870	5340	3810	22900	15930	17230	11550	5670	4050	24240	16860	18240	12230	6000	4290
		W	3580	1310	2700	1810	900	640	3400	1240	2560	1720	850	610	3220	1170	2420	1630	800	580
30	-1.1	Q(Btu/h)	20210	13800	15200	10190	5010	3570	21550	14720	16210	10870	5340	3810	22890	15640	17220	11550	5670	4050
		W	3580	1240	2700	1810	900	640	3400	1180	2560	1720	850	610	3220	1120	2420	1630	800	580
25	-3.9	Q(Btu/h)	18850	12600	14180	9510	4670	3330	20200	13500	15200	10190	5000	3570	21550	14400	16220	10870	5330	3810
		W	3580	1170	2700	1810	900	640	3400	1110	2560	1720	850	610	3220	1050	2420	1630	800	580
20	-6.7	Q(Btu/h)	18730	11390	14090	9450	4640	3310	20200	12290	15200	10190	5000	3570	21670	13190	16310	10930	5360	3830
		W	3560	1090	2680	1790	870	620	3380	1030	2540	1700	830	590	3200	970	2400	1610	790	560
15	-9.4	Q(Btu/h)	18560	10170	13970	9360	4590	3280	20200	11070	15200	10190	5000	3570	21840	11970	16430	11020	5410	3860
		W	3530	990	2640	1770	870	620	3350	940	2510	1680	830	590	3170	890	2380	1590	790	560
10	-12.2	Q(Btu/h)	17460	8900	13140	8820	4330	3090	19250	9810	14490	9720	4770	3410	21040	10720	15840	10620	5210	3730
		W	3350	880	2520	1690	820	590	3180	840	2390	1600	780	560	3010	800	2260	1510	740	530
5	-15.0	Q(Btu/h)	16300	7610	12260	8230	4040	2890	18300	8550	13770	9240	4540	3240	20300	9490	15280	10250	5040	3590
		W	3170	770	2390	1610	790	570	3010	730	2270	1530	750	540	2850	690	2150	1450	710	510
0	-17.8	Q(Btu/h)	15100	6360	11360	7620	3740	2670	17400	7330	13090	8780	4310	3080	19700	8300	14820	9940	4880	3490
		W	2990	670	2240	1510	740	530	2840	640	2130	1430	700	500	2690	610	2020	1350	660	470
-4	-20.0	Q(Btu/h)	13680	5150	10290	6890	3390	2420	16200	6100	12180	8160	4010	2860	18720	7050	14070	9430	4630	3300
		W	2820	580	2130	1430	710	510	2680	550	2020	1360	670	480	2540	520	1910	1290	630	450
-10	-23.3	Q(Btu/h)	12320	4070	9280	6220	3050	2190	15450	5100	11630	7800	3830	2740	18580	6130	13980	9380	4610	3290
		W	2690	500	2020	1360	660	470	2550	470	1920	1290	630	450	2410	440	1820	1220	600	430
-13	-25.0	Q(Btu/h)	11290	3150	8490	5700	2800	2000	14700	4100	11060	7420	3650	2610	18110	5050	13630	9140	4500	3220
		W	2540	410	1910	1290	630	450	2410	390	1810	1220	600	430	2280	370	1710	1150	570	410

* Above data is for heating operation without any frost.

MSZ-FH15NA
MUZ-FH15NAH
1) COOLING

Rated
 Q(Btu/h): 15000
 W: 1200

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	17160	13800	12910	8680	4240	4040	16250	12830	12230	8220	4010	3820	15270	11700	11490	7720	3770	3590
	W	2590	1380	1930	1300	630	600	2440	1330	1840	1230	600	570	2320	1270	1730	1160	560	540
110	43.3	17910	14400	13480	9050	4420	4210	16960	13390	12770	8570	4180	3980	15940	12270	11990	8050	3930	3740
	W	2530	1360	1890	1270	620	590	2390	1300	1800	1210	590	560	2270	1250	1700	1150	550	530
105	40.6	18660	15000	14050	9450	4620	4400	17670	13950	13310	8950	4370	4160	16600	12830	12500	8400	4100	3910
	W	2470	1330	1840	1230	590	580	2330	1270	1750	1170	570	550	2220	1220	1650	1110	530	530
100	37.8	19370	15570	14580	9790	4790	4570	18340	14480	13810	9270	4530	4320	17230	13470	12970	8700	4260	4060
	W	2400	1300	1800	1220	590	560	2270	1240	1710	1160	570	540	2160	1190	1610	1100	530	520
95	35.0	20070	16130	15090	10140	4960	4730	19000	15000	14300	9610	4690	4470	17850	14100	13430	9020	4410	4200
	W	2330	1260	1730	1170	560	540	2200	1200	1650	1110	540	520	2090	1150	1560	1050	500	500
90	32.2	20870	16660	15700	10560	5170	4920	19760	15600	14880	10000	4890	4650	18570	14630	13970	9390	4590	4370
	W	2250	1220	1680	1140	550	520	2120	1160	1600	1080	530	500	2020	1110	1510	1020	500	480
85	29.4	21670	17180	16310	10970	5370	5120	20520	16200	15450	10390	5080	4840	19280	15150	14510	9760	4770	4550
	W	2160	1170	1620	1080	520	500	2040	1110	1540	1030	500	480	1940	1060	1450	980	470	460
80	26.7	22480	17780	16910	11380	5570	5310	21280	16800	16020	10780	5270	5020	20000	15750	15050	10120	4950	4720
	W	2070	1120	1540	1040	500	480	1950	1060	1470	990	480	460	1860	1010	1390	940	450	440
75	23.9	23280	18380	17520	11770	5750	5480	22040	17400	16600	11150	5440	5180	20710	16350	15590	10470	5110	4870
	W	1960	1070	1470	990	480	460	1850	1010	1400	940	460	440	1760	960	1320	890	430	420
70	21.1	24080	19010	18110	12170	5950	5670	22800	18000	17160	11530	5630	5360	21420	16910	16120	10830	5290	5040
	W	1850	1020	1390	940	460	440	1750	960	1320	890	440	420	1660	910	1240	840	410	400
65	18.3	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
60	15.6	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
55	12.8	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
50	10.0	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
45	7.2	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
40	4.4	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
35	1.7	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
30	-1.1	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
25	-3.9	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
20	-6.7	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440
15	-9.4	20570	16240	15480	10410	5080	4840	19480	15380	14670	9860	4810	4580	18300	14450	13780	9260	4520	4310
	W	2080	1140	1560	1050	500	480	1970	1070	1480	990	480	460	1870	1010	1390	930	450	440

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH15NA
MUZ-FH15NAH
2) HEATING

Rated
 Q(Btu/h): 18000
 W: 1300

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	25650	22480	19290	12930	6350	4540	26700	23400	20080	13460	6610	4720	27750	24320	20870	13990	6870	4900
		W	3580	1470	2700	1810	900	640	3400	1400	2560	1720	850	610	3220	1330	2420	1630	800	580
60	15.6	Q(Btu/h)	25020	21270	18830	12620	6200	4430	26100	22190	19640	13170	6470	4620	27180	23110	20450	13720	6740	4810
		W	3580	1460	2700	1810	900	640	3400	1390	2560	1720	850	610	3220	1320	2420	1630	800	580
55	12.8	Q(Btu/h)	24360	20030	18320	12290	6040	4310	25500	20970	19180	12860	6320	4510	26640	21910	20040	13430	6600	4710
		W	3580	1450	2700	1810	900	640	3400	1380	2560	1720	850	610	3220	1310	2420	1630	800	580
50	10.0	Q(Btu/h)	23650	18810	17790	11930	5850	4180	24850	19760	18690	12530	6150	4390	26050	20710	19590	13130	6450	4600
		W	3580	1430	2700	1810	900	640	3400	1360	2560	1720	850	610	3220	1290	2420	1630	800	580
45	7.2	Q(Btu/h)	22950	17580	17260	11570	5680	4060	24200	18540	18200	12200	5990	4280	25450	19500	19140	12830	6300	4500
		W	3580	1400	2700	1810	900	640	3400	1330	2560	1720	850	610	3220	1260	2420	1630	800	580
43	6.1	Q(Btu/h)	22730	17040	17090	11460	5620	4010	24000	18000	18050	12100	5940	4240	25270	18960	19010	12740	6260	4470
		W	3580	1370	2700	1810	900	640	3400	1300	2560	1720	850	610	3220	1230	2420	1630	800	580
40	4.4	Q(Btu/h)	22160	16290	16670	11180	5490	3920	23450	17240	17640	11830	5810	4150	24740	18190	18610	12480	6130	4380
		W	3580	1360	2700	1810	900	640	3400	1290	2560	1720	850	610	3220	1220	2420	1630	800	580
35	1.7	Q(Btu/h)	21560	15000	16220	10870	5340	3810	22900	15930	17230	11550	5670	4050	24240	16860	18240	12230	6000	4290
		W	3580	1310	2700	1810	900	640	3400	1240	2560	1720	850	610	3220	1170	2420	1630	800	580
30	-1.1	Q(Btu/h)	20210	13800	15200	10190	5010	3570	21550	14720	16210	10870	5340	3810	22890	15640	17220	11550	5670	4050
		W	3710	1370	2830	1940	1030	770	3530	1310	2690	1850	980	740	3350	1250	2550	1760	930	710
25	-3.9	Q(Btu/h)	18850	12600	14180	9510	4670	3330	20200	13500	15200	10190	5000	3570	21550	14400	16220	10870	5330	3810
		W	3710	1300	2830	1940	1030	770	3530	1240	2690	1850	980	740	3350	1180	2550	1760	930	710
20	-6.7	Q(Btu/h)	18730	11390	14090	9450	4640	3310	20200	12290	15200	10190	5000	3570	21670	13190	16310	10930	5360	3830
		W	3690	1220	2810	1920	1000	750	3510	1160	2670	1830	960	720	3330	1100	2530	1740	920	690
15	-9.4	Q(Btu/h)	18560	10170	13970	9360	4590	3280	20200	11070	15200	10190	5000	3570	21840	11970	16430	11020	5410	3860
		W	3660	1120	2770	1900	1000	750	3480	1070	2640	1810	960	720	3300	1020	2510	1720	920	690
10	-12.2	Q(Btu/h)	17460	8900	13140	8820	4330	3090	19250	9810	14490	9720	4770	3410	21040	10720	15840	10620	5210	3730
		W	3480	1010	2650	1820	950	720	3310	970	2520	1730	910	690	3140	930	2390	1640	870	660
5	-15.0	Q(Btu/h)	16300	7610	12260	8230	4040	2890	18300	8550	13770	9240	4540	3240	20300	9490	15280	10250	5040	3590
		W	3300	900	2520	1740	920	700	3140	860	2400	1660	880	670	2980	820	2280	1580	840	640
0	-17.8	Q(Btu/h)	15100	6360	11360	7620	3740	2670	17400	7330	13090	8780	4310	3080	19700	8300	14820	9940	4880	3490
		W	3120	800	2370	1640	870	660	2970	770	2260	1560	830	630	2820	740	2150	1480	790	600
-4	-20.0	Q(Btu/h)	13680	5150	10290	6890	3390	2420	16200	6100	12180	8160	4010	2860	18720	7050	14070	9430	4630	3300
		W	2950	710	2260	1560	840	640	2810	680	2150	1490	800	610	2670	650	2040	1420	760	580
-10	-23.3	Q(Btu/h)	12320	4070	9280	6220	3050	2190	15450	5100	11630	7800	3830	2740	18580	6130	13980	9380	4610	3290
		W	2820	630	2150	1490	790	600	2680	600	2050	1420	760	580	2540	570	1950	1350	730	560
-13	-25.0	Q(Btu/h)	11290	3150	8490	5700	2800	2000	14700	4100	11060	7420	3650	2610	18110	5050	13630	9140	4500	3220
		W	2670	540	2040	1420	760	580	2540	520	1940	1350	730	560	2410	500	1840	1280	700	540

* Above data is for heating operation without any frost.

MSZ-FH18NA2
MUZ-FH18NA2
1) COOLING

Rated
 Q(Btu/h): 17200
 W: 1375

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	18970	15820	14280	9590	4680	4460	17960	14710	13520	9090	4440	4230	16880	13420	12700	8540	4170	3960
	W	2620	1580	1970	1330	650	610	2460	1530	1850	1250	610	580	2350	1460	1770	1200	580	550
110	43.3	19800	16510	14910	10010	4890	4660	18750	15360	14120	9490	4640	4420	17620	14070	13270	8910	4360	4140
	W	2570	1550	1930	1300	630	590	2410	1500	1810	1220	590	560	2310	1430	1730	1170	560	530
105	40.6	20630	17200	15530	10410	5070	4830	19530	16000	14700	9870	4810	4580	18350	14710	13810	9270	4510	4290
	W	2500	1520	1880	1270	620	580	2350	1460	1770	1190	580	550	2250	1400	1690	1140	550	530
100	37.8	21410	17850	16120	10820	5270	5020	20270	16600	15260	10250	5000	4760	19050	15440	14340	9630	4690	4460
	W	2440	1480	1830	1230	610	560	2290	1420	1720	1160	570	540	2190	1360	1650	1110	550	520
95	35.0	22180	18490	16700	11210	5470	5210	21000	17200	15810	10620	5190	4940	19730	16170	14850	9970	4870	4630
	W	2360	1440	1780	1190	590	540	2220	1375	1670	1120	550	520	2120	1310	1600	1070	530	500
90	32.2	23070	19090	17360	11660	5700	5420	21840	17890	16440	11050	5400	5140	20520	16770	15440	10380	5070	4820
	W	2280	1390	1710	1150	560	520	2140	1320	1610	1080	530	500	2050	1270	1540	1030	510	480
85	29.4	23960	19690	18040	12110	5920	5630	22680	18580	17080	11480	5610	5340	21310	17370	16050	10780	5270	5010
	W	2180	1340	1650	1110	540	500	2050	1270	1550	1040	510	480	1960	1220	1480	1000	490	460
80	26.7	24840	20380	18700	12570	6140	5840	23520	19270	17710	11910	5820	5540	22100	18060	16640	11190	5460	5190
	W	2090	1280	1580	1050	510	480	1960	1220	1480	990	480	460	1880	1160	1420	950	460	440
75	23.9	25730	21070	19370	13010	6360	6050	24360	19950	18340	12330	6030	5740	22890	18750	17230	11580	5660	5380
	W	1980	1220	1490	1000	490	460	1860	1160	1400	940	460	440	1780	1100	1340	900	440	420
70	21.1	26620	21800	20050	13450	6570	6250	25200	20640	18980	12750	6230	5930	23680	19400	17830	11970	5850	5560
	W	1880	1160	1420	950	470	440	1770	1100	1330	890	440	420	1690	1040	1270	850	420	400
65	18.3	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
60	15.6	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
55	12.8	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
50	10.0	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
45	7.2	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
40	4.4	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
35	1.7	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
30	-1.1	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
25	-3.9	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
20	-6.7	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
15	-9.4	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
	W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH18NA2
MUZ-FH18NA2
2) HEATING

Rated
 Q(Btu/h): 20300
 W: 1720

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	29210	25360	21970	14740	7240	5180	30400	26390	22870	15340	7540	5390	31590	27420	23770	15940	7840	5600
		W	3580	1960	2700	1810	900	640	3400	1860	2560	1720	850	610	3220	1760	2420	1630	800	580
60	15.6	Q(Btu/h)	29140	23980	21920	14700	7230	5170	30400	25020	22870	15340	7540	5390	31660	26060	23820	15980	7850	5610
		W	3580	1940	2700	1810	900	640	3400	1840	2560	1720	850	610	3220	1740	2420	1630	800	580
55	12.8	Q(Btu/h)	29040	22590	21850	14650	7200	5150	30400	23650	22870	15340	7540	5390	31760	24710	23890	16030	7880	5630
		W	3580	1920	2700	1810	900	640	3400	1820	2560	1720	850	610	3220	1720	2420	1630	800	580
50	10.0	Q(Btu/h)	28940	21210	21770	14600	7180	5130	30400	22280	22870	15340	7540	5390	31860	23350	23970	16080	7900	5650
		W	3580	1890	2700	1810	900	640	3400	1790	2560	1720	850	610	3220	1690	2420	1630	800	580
45	7.2	Q(Btu/h)	28830	19830	21690	14550	7150	5110	30400	20910	22870	15340	7540	5390	31970	21990	24050	16130	7930	5670
		W	3580	1840	2700	1810	900	640	3400	1750	2560	1720	850	610	3220	1660	2420	1630	800	580
43	6.1	Q(Btu/h)	28410	19220	21360	14330	7040	5030	30000	20300	22560	15130	7430	5310	31590	21380	23760	15930	7820	5590
		W	3580	1810	2700	1810	900	640	3400	1720	2560	1720	850	610	3220	1630	2420	1630	800	580
40	4.4	Q(Btu/h)	27070	18370	20360	13650	6710	4790	28650	19440	21550	14450	7100	5070	30230	20510	22740	15250	7490	5350
		W	3580	1780	2700	1810	900	640	3400	1690	2560	1720	850	610	3220	1600	2420	1630	800	580
35	1.7	Q(Btu/h)	25700	16920	19330	12950	6360	4550	27300	17970	20530	13760	6760	4830	28900	19020	21730	14570	7160	5110
		W	3580	1720	2700	1810	900	640	3400	1630	2560	1720	850	610	3220	1540	2420	1630	800	580
30	-1.1	Q(Btu/h)	24520	15560	18430	12370	6080	4340	26150	16600	19660	13190	6480	4630	27780	17640	20890	14010	6880	4920
		W	3580	1630	2700	1810	900	640	3400	1550	2560	1720	850	610	3220	1470	2420	1630	800	580
25	-3.9	Q(Btu/h)	23330	14210	17540	11770	5790	4130	25000	15230	18800	12610	6200	4430	26670	16250	20060	13450	6610	4730
		W	3580	1550	2700	1810	900	640	3400	1470	2560	1720	850	610	3220	1390	2420	1630	800	580
20	-6.7	Q(Btu/h)	22850	12850	17190	11520	5660	4040	24650	13860	18540	12430	6100	4360	26450	14870	19890	13340	6540	4680
		W	3570	1430	2690	1800	880	630	3390	1360	2550	1710	840	600	3210	1290	2410	1620	800	570
15	-9.4	Q(Btu/h)	22330	11470	16800	11260	5530	3950	24300	12480	18280	12260	6020	4300	26270	13490	19760	13260	6510	4650
		W	3560	1310	2680	1790	870	620	3380	1240	2540	1700	830	590	3200	1170	2400	1610	790	560
10	-12.2	Q(Btu/h)	20500	10030	15420	10340	5080	3630	22600	11060	17000	11400	5600	4000	24700	12090	18580	12460	6120	4370
		W	3350	1170	2520	1690	820	590	3180	1110	2390	1600	780	560	3010	1050	2260	1510	740	530
5	-15.0	Q(Btu/h)	18610	8590	14010	9400	4610	3300	20900	9640	15730	10550	5180	3700	23190	10690	17450	11700	5750	4100
		W	3130	1020	2350	1570	770	550	2970	970	2230	1490	730	520	2810	920	2110	1410	690	490
0	-17.8	Q(Btu/h)	16750	7180	12600	8450	4150	2960	19300	8270	14520	9740	4780	3410	21850	9360	16440	11030	5410	3860
		W	2940	900	2210	1490	730	520	2790	850	2100	1410	690	490	2640	800	1990	1330	650	460
-4	-20.0	Q(Btu/h)	14860	5830	11180	7500	3680	2630	17600	6900	13240	8880	4360	3110	20340	7970	15300	10260	5040	3590
		W	2750	770	2060	1390	680	480	2610	730	1960	1320	650	460	2470	690	1860	1250	620	440
-10	-23.3	Q(Btu/h)	12960	4590	9750	6540	3210	2300	16250	5750	12220	8200	4030	2880	19540	6910	14690	9860	4850	3460
		W	2600	660	1960	1320	650	460	2470	630	1860	1250	620	440	2340	600	1760	1180	590	420
-13	-25.0	Q(Btu/h)	11440	3530	8610	5770	2840	2030	14900	4600	11210	7520	3700	2640	18360	5670	13810	9270	4560	3250
		W	2450	560	1840	1230	600	430	2330	530	1750	1170	570	410	2210	500	1660	1110	540	390

* Above data is for heating operation without any frost.

MSZ-FH18NA2
MUZ-FH18NAH2
1) COOLING

Rated
 Q(Btu/h): 17200
 W: 1375

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	18970	15820	14280	9590	4680	4460	17960	14710	13520	9090	4440	4230	16880	13420	12700	8540	4170	3960
		W	2620	1580	1970	1330	650	610	2460	1530	1850	1250	610	580	2350	1460	1770	1200	580	550
110	43.3	Q(Btu/h)	19800	16510	14910	10010	4890	4660	18750	15360	14120	9490	4640	4420	17620	14070	13270	8910	4360	4140
		W	2570	1550	1930	1300	630	590	2410	1500	1810	1220	590	560	2310	1430	1730	1170	560	530
105	40.6	Q(Btu/h)	20630	17200	15530	10410	5070	4830	19530	16000	14700	9870	4810	4580	18350	14710	13810	9270	4510	4290
		W	2500	1520	1880	1270	620	580	2350	1460	1770	1190	580	550	2250	1400	1690	1140	550	530
100	37.8	Q(Btu/h)	21410	17850	16120	10820	5270	5020	20270	16600	15260	10250	5000	4760	19050	15440	14340	9630	4690	4460
		W	2440	1480	1830	1230	610	560	2290	1420	1720	1160	570	540	2190	1360	1650	1110	550	520
95	35.0	Q(Btu/h)	22180	18490	16700	11210	5470	5210	21000	17200	15810	10620	5190	4940	19730	16170	14850	9970	4870	4630
		W	2360	1440	1780	1190	590	540	2220	1375	1670	1120	550	520	2120	1310	1600	1070	530	500
90	32.2	Q(Btu/h)	23070	19090	17360	11660	5700	5420	21840	17890	16440	11050	5400	5140	20520	16770	15440	10380	5070	4820
		W	2280	1390	1710	1150	560	520	2140	1320	1610	1080	530	500	2050	1270	1540	1030	510	480
85	29.4	Q(Btu/h)	23960	19690	18040	12110	5920	5630	22680	18580	17080	11480	5610	5340	21310	17370	16050	10780	5270	5010
		W	2180	1340	1650	1110	540	500	2050	1270	1550	1040	510	480	1960	1220	1480	1000	490	460
80	26.7	Q(Btu/h)	24840	20380	18700	12570	6140	5840	23520	19270	17710	11910	5820	5540	22100	18060	16640	11190	5460	5190
		W	2090	1280	1580	1050	510	480	1960	1220	1480	990	480	460	1880	1160	1420	950	460	440
75	23.9	Q(Btu/h)	25730	21070	19370	13010	6360	6050	24360	19950	18340	12330	6030	5740	22890	18750	17230	11580	5660	5380
		W	1980	1220	1490	1000	490	460	1860	1160	1400	940	460	440	1780	1100	1340	900	440	420
70	21.1	Q(Btu/h)	26620	21800	20050	13450	6570	6250	25200	20640	18980	12750	6230	5930	23680	19400	17830	11970	5850	5560
		W	1880	1160	1420	950	470	440	1770	1100	1330	890	440	420	1690	1040	1270	850	420	400
65	18.3	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
60	15.6	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
55	12.8	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
50	10.0	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
45	7.2	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
40	4.4	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
35	1.7	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
30	-1.1	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
25	-3.9	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
20	-6.7	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450
15	-9.4	Q(Btu/h)	22740	18620	17120	11480	5600	5330	21530	17630	16210	10880	5310	5060	20230	16570	15230	10210	4990	4740
		W	2120	1310	1600	1080	520	490	2000	1240	1500	1010	490	470	1910	1170	1430	960	470	450

* It may not reach the above capacities in low ambient temperatures.

MSZ-FH18NA2
MUZ-FH18NAH2
2) HEATING

Rated
 Q(Btu/h): 20300
 W: 1720

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	29210	25360	21970	14740	7240	5180	30400	26390	22870	15340	7540	5390	31590	27420	23770	15940	7840	5600
		W	3580	1960	2700	1810	900	640	3400	1860	2560	1720	850	610	3220	1760	2420	1630	800	580
60	15.6	Q(Btu/h)	29140	23980	21920	14700	7230	5170	30400	25020	22870	15340	7540	5390	31660	26060	23820	15980	7850	5610
		W	3580	1940	2700	1810	900	640	3400	1840	2560	1720	850	610	3220	1740	2420	1630	800	580
55	12.8	Q(Btu/h)	29040	22590	21850	14650	7200	5150	30400	23650	22870	15340	7540	5390	31760	24710	23890	16030	7880	5630
		W	3580	1920	2700	1810	900	640	3400	1820	2560	1720	850	610	3220	1720	2420	1630	800	580
50	10.0	Q(Btu/h)	28940	21210	21770	14600	7180	5130	30400	22280	22870	15340	7540	5390	31860	23350	23970	16080	7900	5650
		W	3580	1890	2700	1810	900	640	3400	1790	2560	1720	850	610	3220	1690	2420	1630	800	580
45	7.2	Q(Btu/h)	28830	19830	21690	14550	7150	5110	30400	20910	22870	15340	7540	5390	31970	21990	24050	16130	7930	5670
		W	3580	1840	2700	1810	900	640	3400	1750	2560	1720	850	610	3220	1660	2420	1630	800	580
43	6.1	Q(Btu/h)	28410	19220	21360	14330	7040	5030	30000	20300	22560	15130	7430	5310	31590	21380	23760	15930	7820	5590
		W	3580	1810	2700	1810	900	640	3400	1720	2560	1720	850	610	3220	1630	2420	1630	800	580
40	4.4	Q(Btu/h)	27070	18370	20360	13650	6710	4790	28650	19440	21550	14450	7100	5070	30230	20510	22740	15250	7490	5350
		W	3580	1780	2700	1810	900	640	3400	1690	2560	1720	850	610	3220	1600	2420	1630	800	580
35	1.7	Q(Btu/h)	25700	16920	19330	12950	6360	4550	27300	17970	20530	13760	6760	4830	28900	19020	21730	14570	7160	5110
		W	3580	1720	2700	1810	900	640	3400	1630	2560	1720	850	610	3220	1540	2420	1630	800	580
30	-1.1	Q(Btu/h)	24520	15560	18430	12370	6080	4340	26150	16600	19660	13190	6480	4630	27780	17640	20890	14010	6880	4920
		W	3710	1760	2830	1940	1030	770	3530	1680	2690	1850	980	740	3350	1600	2550	1760	930	710
25	-3.9	Q(Btu/h)	23330	14210	17540	11770	5790	4130	25000	15230	18800	12610	6200	4430	26670	16250	20060	13450	6610	4730
		W	3710	1680	2830	1940	1030	770	3530	1600	2690	1850	980	740	3350	1520	2550	1760	930	710
20	-6.7	Q(Btu/h)	22850	12850	17190	11520	5660	4040	24650	13860	18540	12430	6100	4360	26450	14870	19890	13340	6540	4680
		W	3700	1560	2820	1930	1010	760	3520	1490	2680	1840	970	730	3340	1420	2540	1750	930	700
15	-9.4	Q(Btu/h)	22330	11470	16800	11260	5530	3950	24300	12480	18280	12260	6020	4300	26270	13490	19760	13260	6510	4650
		W	3690	1440	2810	1920	1000	750	3510	1370	2670	1830	960	720	3330	1300	2530	1740	920	690
10	-12.2	Q(Btu/h)	20500	10030	15420	10340	5080	3630	22600	11060	17000	11400	5600	4000	24700	12090	18580	12460	6120	4370
		W	3480	1300	2650	1820	950	720	3310	1240	2520	1730	910	690	3140	1180	2390	1640	870	660
5	-15.0	Q(Btu/h)	18610	8590	14010	9400	4610	3300	20900	9640	15730	10550	5180	3700	23190	10690	17450	11700	5750	4100
		W	3260	1150	2480	1700	900	680	3100	1100	2360	1620	860	650	2940	1050	2240	1540	820	620
0	-17.8	Q(Btu/h)	16750	7180	12600	8450	4150	2960	19300	8270	14520	9740	4780	3410	21850	9360	16440	11030	5410	3860
		W	3070	1030	2340	1620	860	650	2920	980	2230	1540	820	620	2770	930	2120	1460	780	590
-4	-20.0	Q(Btu/h)	14860	5830	11180	7500	3680	2630	17600	6900	13240	8880	4360	3110	20340	7970	15300	10260	5040	3590
		W	2880	900	2190	1520	810	610	2740	860	2090	1450	780	590	2600	820	1990	1380	750	570
-10	-23.3	Q(Btu/h)	12960	4590	9750	6540	3210	2300	16250	5750	12220	8200	4030	2880	19540	6910	14690	9860	4850	3460
		W	2730	790	2090	1450	780	590	2600	760	1990	1380	750	570	2470	730	1890	1310	720	550
-13	-25.0	Q(Btu/h)	11440	3530	8610	5770	2840	2030	14900	4600	11210	7520	3700	2640	18360	5670	13810	9270	4560	3250
		W	2580	690	1970	1360	730	560	2460	660	1880	1300	700	540	2340	630	1790	1240	670	520

* Above data is for heating operation without any frost.

MSZ-D30NA
MUZ-D30NA
1) COOLING

Rated
 Q(Btu/h): 30700
 W: 3850

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1	Q(Btu/h)	27720	28240	20800	13880	6950	6610	26250	26250	19690	13130	6570	6260	24670	23950	18500	12350	6180	5880
	W	4530	4430	3390	2260	1110	1060	4270	4270	3200	2130	1060	1010	4070	4080	3040	2040	1010	960
110 43.3	Q(Btu/h)	28940	29470	21700	14490	7240	6880	27400	27400	20550	13700	6850	6520	25750	25100	19310	12880	6440	6130
	W	4440	4340	3310	2210	1090	1040	4180	4180	3130	2080	1040	990	3990	4010	2970	1990	990	940
105 40.6	Q(Btu/h)	30150	30700	22610	15090	7540	7170	28550	28550	21410	14270	7130	6790	26830	26250	20120	13420	6710	6380
	W	4330	4250	3240	2160	1070	1020	4080	4080	3060	2030	1020	970	3890	3930	2910	1940	970	920
100 37.8	Q(Btu/h)	31290	31850	23470	15670	7830	7450	29630	29630	22220	14820	7410	7060	27840	27560	20880	13940	6970	6640
	W	4220	4150	3150	2100	1040	990	3970	3970	2980	1980	990	940	3790	3810	2830	1890	940	890
95 35.0	Q(Btu/h)	32420	33000	24320	16240	8120	7720	30700	30700	23030	15360	7680	7310	28850	28860	21640	14450	7220	6870
	W	4090	4040	3050	2040	1010	960	3850	3850	2880	1920	960	910	3670	3680	2740	1840	910	860
90 32.2	Q(Btu/h)	33720	34080	25300	16890	8450	8030	31930	31930	23950	15970	7990	7610	30000	29940	22510	15020	7510	7150
	W	3940	3900	2950	1980	980	940	3710	3710	2790	1860	930	890	3540	3550	2650	1780	880	840
85 29.4	Q(Btu/h)	35020	35150	26270	17530	8770	8340	33160	33160	24870	16580	8290	7900	31160	31010	23370	15590	7800	7420
	W	3780	3750	2820	1890	930	890	3560	3560	2670	1780	890	850	3390	3410	2540	1700	850	810
80 26.7	Q(Btu/h)	36320	36380	27240	18180	9090	8640	34390	34390	25790	17190	8600	8190	32310	32240	24240	16170	8090	7700
	W	3610	3590	2700	1820	890	850	3400	3400	2550	1710	850	810	3240	3250	2420	1640	810	770
75 23.9	Q(Btu/h)	37610	37610	28210	18820	9410	8950	35610	35610	26710	17800	8900	8480	33460	33460	25100	16740	8370	7970
	W	3430	3430	2560	1710	850	810	3230	3230	2420	1610	810	770	3080	3080	2300	1540	770	730
70 21.1	Q(Btu/h)	38910	38910	29180	19460	9740	9260	36840	36840	27630	18410	9210	8770	34620	34620	25960	17310	8660	8240
	W	3260	3260	2430	1640	810	780	3070	3070	2300	1540	770	740	2930	2930	2190	1470	730	700
65 18.3	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
60 15.6	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
55 12.8	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
50 10.0	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
45 7.2	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
40 4.4	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
35 1.7	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
30 -1.1	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
25 -3.9	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
20 -6.7	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780
15 -9.4	Q(Btu/h)	33240	33240	24920	16630	8310	7910	31470	31470	23600	15730	7860	7490	29570	29570	22170	14790	7390	7040
	W	3670	3670	2740	1840	920	860	3460	3460	2590	1730	870	820	3300	3300	2470	1650	820	780

* It may not reach the above capacities in low ambient temperatures.

MSZ-D30NA
MUZ-D30NA
2) HEATING

Rated
 Q(Btu/h): 32600
 W: 3360

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	42090	40720	31440	21280	10650	9680	43800	42380	32720	22150	11080	10070	45510	44040	34000	23020	11510	10460
		W	4860	3820	3630	2470	1230	1120	4610	3630	3450	2340	1170	1060	4360	3440	3270	2210	1110	1000
60	15.6	Q(Btu/h)	39870	38510	29790	20170	10080	9160	41600	40180	31080	21040	10520	9560	43330	41850	32370	21910	10960	9960
		W	4670	3790	3490	2360	1180	1070	4430	3600	3310	2240	1120	1020	4190	3410	3130	2120	1060	970
55	12.8	Q(Btu/h)	37640	36280	28130	19040	9520	8650	39400	37980	29440	19930	9960	9050	41160	39680	30750	20820	10400	9450
		W	4470	3750	3340	2270	1130	1020	4240	3560	3170	2150	1070	970	4010	3370	3000	2030	1010	920
50	10.0	Q(Btu/h)	35410	34060	26450	17900	8950	8140	37200	35780	27790	18810	9400	8550	38990	37500	29130	19720	9850	8960
		W	4280	3690	3200	2170	1090	990	4060	3500	3040	2060	1030	940	3840	3310	2880	1950	970	890
45	7.2	Q(Btu/h)	33190	31840	24800	16780	8390	7630	35000	33580	26150	17700	8850	8050	36810	35320	27500	18620	9310	8470
		W	4080	3610	3040	2050	1020	930	3870	3430	2890	1950	970	880	3660	3250	2740	1850	920	830
43	6.1	Q(Btu/h)	32190	30870	24050	16280	8130	7400	34000	32600	25400	17190	8590	7810	35810	34330	26750	18100	9050	8220
		W	3790	3540	2830	1920	960	870	3600	3360	2690	1820	910	830	3410	3180	2550	1720	860	790
40	4.4	Q(Btu/h)	30470	29500	22760	15410	7700	7000	32250	31220	24090	16310	8150	7410	34030	32940	25420	17210	8600	7820
		W	3740	3490	2790	1890	940	850	3550	3310	2650	1790	890	810	3360	3130	2510	1690	840	770
35	1.7	Q(Btu/h)	28710	27160	21450	14530	7260	6600	30500	28850	22790	15430	7710	7010	32290	30540	24130	16330	8160	7420
		W	3680	3360	2750	1860	940	850	3490	3190	2610	1770	890	810	3300	3020	2470	1680	840	770
30	-1.1	Q(Btu/h)	26540	24990	19820	13420	6700	6090	28300	26650	21140	14310	7150	6500	30060	28310	22460	15200	7600	6910
		W	3490	3190	2610	1770	880	800	3310	3030	2480	1680	840	760	3130	2870	2350	1590	800	720
25	-3.9	Q(Btu/h)	24350	22810	18200	12320	6160	5600	26100	24450	19500	13200	6600	6000	27850	26090	20800	14080	7040	6400
		W	3290	3020	2450	1650	830	760	3120	2870	2330	1570	790	720	2950	2720	2210	1490	750	680
20	-6.7	Q(Btu/h)	22110	20630	16520	11190	5590	5080	23850	22250	17820	12070	6030	5480	25590	23870	19120	12950	6470	5880
		W	3100	2790	2320	1570	790	720	2940	2650	2200	1490	750	680	2780	2510	2080	1410	710	640
15	-9.4	Q(Btu/h)	19850	18420	14830	10030	5020	4560	21600	20050	16140	10920	5460	4960	23350	21680	17450	11810	5900	5360
		W	2900	2550	2170	1470	740	670	2750	2420	2060	1400	700	640	2600	2290	1950	1330	660	610

* Above data is for heating operation without any frost.

MSZ-D36NA
MUZ-D36NA
1) COOLING

Rated
 Q(Btu/h): 33200
 W: 4360

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1	Q(Btu/h)	29980	30540	22400	15160	7580	6590	28390	28390	21210	14340	7170	6240	26680	25900	19930	13490	6750	5870
	W	5130	5010	3830	2580	1280	1110	4840	4840	3620	2440	1220	1060	4620	4620	3450	2320	1160	1010
110 43.3	Q(Btu/h)	31300	31870	23390	15850	7930	6890	29640	29640	22150	14990	7500	6520	27850	27150	20810	14100	7060	6130
	W	5010	4920	3740	2520	1250	1090	4730	4730	3530	2380	1190	1040	4510	4540	3360	2260	1130	990
105 40.6	Q(Btu/h)	32610	33200	24370	16500	8260	7180	30880	30880	23080	15610	7810	6790	29020	28390	21680	14680	7350	6390
	W	4900	4820	3650	2470	1230	1060	4620	4620	3450	2330	1170	1010	4410	4450	3290	2220	1110	960
100 37.8	Q(Btu/h)	33840	34450	25280	17110	8560	7440	32040	32040	23940	16190	8090	7040	30110	29800	22490	15220	7620	6620
	W	4760	4700	3560	2400	1200	1040	4490	4490	3360	2270	1140	990	4280	4310	3200	2160	1080	940
95 35.0	Q(Btu/h)	35060	35690	26200	17750	8880	7710	33200	33200	24810	16790	8400	7300	31200	31210	23310	15790	7910	6870
	W	4620	4580	3450	2340	1170	1010	4360	4360	3260	2210	1110	960	4160	4160	3110	2100	1050	910
90 32.2	Q(Btu/h)	36470	36850	27240	18450	9230	8020	34530	34530	25800	17450	8730	7590	32450	32370	24240	16410	8220	7140
	W	4450	4420	3310	2250	1120	980	4200	4200	3130	2120	1060	930	4000	4010	2980	2020	1000	880
85 29.4	Q(Btu/h)	37870	38010	28290	19150	9580	8330	35860	35860	26790	18120	9060	7880	33700	33530	25170	17040	8530	7410
	W	4270	4250	3190	2150	1060	920	4030	4030	3010	2030	1010	880	3840	3860	2870	1930	960	840
80 26.7	Q(Btu/h)	39280	39340	29340	19860	9940	8630	37190	37190	27790	18790	9400	8170	34950	34860	26110	17670	8850	7690
	W	4080	4070	3050	2070	1030	890	3850	3850	2880	1950	980	850	3670	3680	2740	1860	930	810
75 23.9	Q(Btu/h)	40670	40670	30390	20570	10290	8940	38510	38510	28780	19460	9730	8460	36190	36190	27040	18300	9160	7960
	W	3880	3880	2900	1970	990	850	3660	3660	2740	1860	940	810	3490	3490	2610	1770	890	770
70 21.1	Q(Btu/h)	42070	42070	31440	21290	10650	9260	39840	39840	29770	20140	10070	8760	37440	37440	27970	18940	9480	8240
	W	3690	3690	2750	1860	940	810	3480	3480	2600	1760	890	770	3320	3320	2480	1670	840	730
65 18.3	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
60 15.6	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
55 12.8	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
50 10.0	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
45 7.2	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
40 4.4	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
35 1.7	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
30 -1.1	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
25 -3.9	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
20 -6.7	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820
15 -9.4	Q(Btu/h)	35930	35930	26860	18180	9100	7910	34030	34030	25430	17200	8600	7480	31980	31980	23890	16180	8100	7040
	W	4170	4170	3110	2090	1050	900	3930	3930	2940	1980	990	860	3750	3750	2800	1880	930	820

* It may not reach the above capacities in low ambient temperatures.

MSZ-D36NA
MUZ-D36NA
2) HEATING

Rated
 Q(Btu/h): 35200
 W: 3840

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
65	18.3	Q(Btu/h)	43620	43970	32950	21810	11140	9280	45400	45760	34290	22700	11590	9660	47180	47550	35630	23590	12040	10040
		W	4700	4370	3550	2350	1200	1000	4460	4150	3370	2230	1140	950	4220	3930	3190	2110	1080	900
60	15.6	Q(Btu/h)	41500	41590	31340	20750	10590	8830	43300	43390	32700	21650	11050	9210	45100	45190	34060	22550	11510	9590
		W	4610	4330	3480	2300	1170	980	4380	4110	3300	2180	1110	930	4150	3890	3120	2060	1050	880
55	12.8	Q(Btu/h)	39360	39180	29740	19680	10050	8380	41200	41010	31130	20600	10520	8770	43040	42840	32520	21520	10990	9160
		W	4530	4290	3420	2270	1160	970	4300	4070	3250	2150	1100	920	4070	3850	3080	2030	1040	870
50	10.0	Q(Btu/h)	37170	36780	28080	18590	9490	7910	39050	38640	29500	19530	9970	8310	40930	40500	30920	20470	10450	8710
		W	4460	4210	3370	2230	1140	950	4230	4000	3200	2120	1080	900	4000	3790	3030	2010	1020	850
45	7.2	Q(Btu/h)	34990	34390	26430	17500	8930	7440	36900	36260	27870	18450	9420	7850	38810	38130	29310	19400	9910	8260
		W	4370	4130	3300	2180	1110	930	4150	3920	3130	2070	1050	880	3930	3710	2960	1960	990	830
43	6.1	Q(Btu/h)	34090	33330	25750	17040	8700	7250	36000	35200	27190	18000	9190	7660	37910	37070	28630	18960	9680	8070
		W	4320	4050	3270	2170	1110	930	4100	3840	3100	2060	1050	880	3880	3630	2930	1950	990	830
40	4.4	Q(Btu/h)	32460	31850	24520	16230	8290	6910	34350	33710	25950	17180	8770	7310	36240	35570	27380	18130	9250	7710
		W	4050	3990	3060	2020	1030	860	3840	3790	2900	1920	980	820	3630	3590	2740	1820	930	780
35	1.7	Q(Btu/h)	30780	29320	23250	15390	7860	6550	32700	31150	24700	16350	8350	6960	34620	32980	26150	17310	8840	7370
		W	3770	3850	2860	1900	970	810	3580	3650	2710	1800	920	770	3390	3450	2570	1700	870	730
30	-1.1	Q(Btu/h)	28640	26990	21640	14330	7310	6090	30550	28780	23080	15280	7800	6500	32460	30570	24520	16230	8290	6910
		W	3620	3660	2730	1800	920	770	3440	3470	2590	1710	870	730	3260	3280	2450	1620	820	690
25	-3.9	Q(Btu/h)	26500	24630	20020	13250	6770	5640	28400	26400	21450	14200	7250	6040	30300	28170	22880	15150	7730	6440
		W	3470	3460	2620	1740	880	740	3290	3280	2490	1650	840	700	3110	3100	2360	1560	800	660
20	-6.7	Q(Btu/h)	24340	22280	18380	12170	6220	5180	26250	24030	19830	13130	6710	5590	28160	25780	21280	14090	7200	6000
		W	3320	3180	2510	1660	850	720	3150	3020	2380	1580	810	680	2980	2860	2250	1500	770	640
15	-9.4	Q(Btu/h)	22140	19890	16720	11060	5650	4710	24100	21650	18200	12040	6150	5130	26060	23410	19680	13020	6650	5550
		W	3160	2910	2380	1570	800	660	3000	2760	2260	1490	760	630	2840	2610	2140	1410	720	600

* Above data is for heating operation without any frost.

MSY-D30NA
MUY-D30NA
1) COOLING

Rated
 Q(Btu/h): 30700
 W: 3380

Indoor W.B. Outdoor D.B. (°F) (°C)	71°F / 21.7°C							67°F / 19.4°C						63°F / 17.2°C					
	Max.	Rated	75%	50%	25%	Min.	Min.	Max.	Rated	75%	50%	25%	Min.	Min.	Max.	Rated	75%	50%	25%
115 46.1	Q(Btu/h)	27720	28240	20710	14030	7010	7010	26250	26250	19600	13290	6640	6640	24670	23950	18420	12490	6240	6240
	W	3970	3890	2970	2030	1020	1020	3750	3750	2800	1900	950	950	3570	3580	2670	1830	920	920
110 43.3	Q(Btu/h)	28940	29470	21620	14650	7320	7320	27400	27400	20470	13870	6940	6940	25750	25100	19240	13030	6520	6520
	W	3890	3810	2910	1990	990	990	3670	3670	2740	1860	930	930	3490	3520	2610	1790	900	900
105 40.6	Q(Btu/h)	30150	30700	22520	15270	7630	7630	28550	28550	21320	14460	7230	7230	26830	26250	20040	13590	6790	6790
	W	3790	3730	2840	1950	980	980	3580	3580	2680	1820	920	920	3400	3450	2550	1760	890	890
100 37.8	Q(Btu/h)	31290	31850	23380	15840	7920	7920	29630	29630	22130	15000	7500	7500	27840	27560	20800	14090	7040	7040
	W	3690	3640	2760	1890	950	950	3480	3480	2600	1770	890	890	3310	3340	2480	1710	870	870
95 35.0	Q(Btu/h)	32420	33000	24220	16410	8200	8200	30700	30700	22930	15540	7770	7770	28850	28860	21550	14600	7300	7300
	W	3580	3550	2690	1840	930	930	3380	3380	2530	1720	870	870	3210	3230	2410	1660	850	850
90 32.2	Q(Btu/h)	33720	34080	25200	17090	8540	8540	31930	31930	23850	16180	8090	8090	30000	29940	22410	15200	7600	7600
	W	3460	3430	2580	1770	890	890	3260	3260	2430	1650	830	830	3100	3110	2320	1590	810	810
85 29.4	Q(Btu/h)	35020	35150	26160	17720	8860	8860	33160	33160	24760	16780	8390	8390	31160	31010	23270	15770	7880	7880
	W	3320	3300	2480	1680	840	840	3130	3130	2340	1570	790	790	2980	2990	2230	1520	770	770
80 26.7	Q(Btu/h)	36320	36380	27140	18400	9200	9200	34390	34390	25690	17420	8720	8720	32310	32240	24140	16370	8190	8190
	W	3170	3160	2380	1630	820	820	2990	2990	2240	1520	770	770	2840	2850	2130	1470	750	750
75 23.9	Q(Btu/h)	37610	37610	28090	19040	9520	9520	35610	35610	26590	18030	9020	9020	33460	33460	24990	16940	8470	8470
	W	3010	3010	2250	1530	770	770	2840	2840	2120	1430	720	720	2700	2700	2020	1380	700	700
70 21.1	Q(Btu/h)	38910	38910	29060	19710	9850	9850	36840	36840	27510	18660	9330	9330	34620	34620	25850	17530	8760	8760
	W	2860	2860	2140	1480	740	740	2700	2700	2020	1380	690	690	2570	2570	1920	1330	670	670
65 18.3	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
60 15.6	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
55 12.8	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
50 10.0	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
45 7.2	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
40 4.4	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
35 1.7	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
30 -1.1	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
25 -3.9	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
20 -6.7	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750
15 -9.4	Q(Btu/h)	33240	33240	24820	16820	8410	8410	31470	31470	23500	15920	7970	7970	29570	29570	22080	14960	7480	7480
	W	3230	3230	2420	1650	830	830	3050	3050	2280	1540	770	770	2900	2900	2170	1480	750	750

* It may not reach the above capacities in low ambient temperatures.

MSY-D36NA
MUY-D36NA
1) COOLING

Rated
 Q(Btu/h): 34600
 W: 4240

Indoor W.B. Outdoor D.B. (°F) (°C)			71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	Q(Btu/h)	31240	31830	23320	15820	7910	7910	29580	29580	22090	14980	7490	7490	27790	26990	20760	14080	7040	7040
		W	4990	4880	3730	2500	1260	1260	4710	4710	3520	2370	1190	1190	4490	4490	3360	2250	1140	1140
110	43.3	Q(Btu/h)	32610	33220	24340	16510	8260	8260	30880	30880	23060	15630	7820	7820	29010	28290	21670	14690	7350	7350
		W	4870	4790	3640	2450	1240	1240	4600	4600	3430	2320	1170	1170	4380	4410	3280	2200	1120	1120
105	40.6	Q(Btu/h)	33980	34600	25370	17200	8600	8600	32180	32180	24030	16290	8140	8140	30230	29580	22580	15310	7650	7650
		W	4750	4690	3560	2400	1200	1200	4490	4490	3360	2270	1140	1140	4280	4320	3210	2160	1090	1090
100	37.8	Q(Btu/h)	35260	35900	26330	17860	8930	8930	33390	33390	24940	16910	8460	8460	31370	31050	23430	15890	7950	7950
		W	4630	4570	3470	2340	1180	1180	4370	4370	3270	2220	1120	1120	4160	4190	3120	2110	1070	1070
95	35.0	Q(Btu/h)	36540	37200	27280	18500	9260	9260	34600	34600	25840	17520	8770	8770	32510	32520	24280	16470	8240	8240
		W	4490	4450	3360	2260	1130	1130	4240	4240	3170	2140	1070	1070	4040	4050	3030	2030	1020	1020
90	32.2	Q(Btu/h)	38010	38410	28380	19240	9630	9630	35990	35990	26880	18220	9120	9120	33810	33740	25260	17130	8570	8570
		W	4320	4290	3230	2200	1100	1100	4080	4080	3050	2080	1040	1040	3890	3900	2910	1980	990	990
85	29.4	Q(Btu/h)	39460	39620	29460	19990	10000	10000	37370	37370	27910	18930	9470	9470	35110	34950	26220	17790	8900	8900
		W	4150	4130	3110	2080	1050	1050	3920	3920	2930	1970	990	990	3730	3750	2800	1870	950	950
80	26.7	Q(Btu/h)	40930	41010	30550	20730	10370	10370	38760	38760	28940	19630	9820	9820	36410	36330	27190	18450	9230	9230
		W	3960	3950	2960	2000	990	990	3740	3740	2790	1890	940	940	3560	3570	2660	1800	900	900
75	23.9	Q(Btu/h)	42390	42390	31650	21460	10740	10740	40140	40140	29980	20320	10170	10170	37710	37710	28170	19100	9560	9560
		W	3770	3770	2820	1900	950	950	3560	3560	2660	1800	900	900	3390	3390	2540	1710	860	860
70	21.1	Q(Btu/h)	43850	43850	32740	22200	11110	11110	41520	41520	31010	21020	10520	10520	39010	39010	29140	19760	9890	9890
		W	3580	3580	2680	1820	920	920	3380	3380	2530	1720	870	870	3220	3220	2420	1630	830	830
65	18.3	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
60	15.6	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
55	12.8	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
50	10.0	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
45	7.2	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
40	4.4	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
35	1.7	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
30	-1.1	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
25	-3.9	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
20	-6.7	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930
15	-9.4	Q(Btu/h)	37460	37460	27970	18980	9490	9490	35470	35470	26490	17970	8990	8990	33330	33330	24890	16890	8450	8450
		W	4040	4040	3010	2030	1030	1030	3810	3810	2840	1920	970	970	3630	3630	2720	1820	930	930

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ09NA
MUFZ-KJ09NAHZ
1) COOLING

Rated
 Q(Btu/h): 9000
 W: 570

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h)	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115	46.1	14660	9430	11060	7460	3610	2570	11970	7700	9030	6090	2940	2100	13050	8390	9840	6640	3210	2290
	W	1230	560	930	620	330	210	1390	630	1050	700	370	240	1110	500	840	550	290	200
110	43.3	15310	9850	11610	7660	3960	2570	12500	8040	9480	6250	3230	2100	13620	8760	10330	6810	3520	2290
	W	1200	560	910	610	320	200	1360	620	1030	690	360	230	1090	490	820	550	280	190
105	40.6	15950	10250	12090	7980	4120	2570	13020	8370	9870	6510	3360	2100	14190	9120	10760	7090	3660	2290
	W	1180	550	900	590	300	190	1330	610	1010	660	340	210	1060	480	810	520	270	170
100	37.8	16550	10650	12540	8270	4270	2660	13510	8690	10240	6750	3480	2170	14720	9470	11160	7360	3790	2370
	W	1140	530	870	580	300	190	1290	590	980	650	340	210	1030	470	780	520	270	170
95	35.0	17150	11030	13010	8580	4430	2770	14000	9000	10620	7000	3610	2260	15260	9810	11580	7630	3940	2470
	W	1110	510	840	560	290	190	1250	570	950	630	330	210	1000	450	760	500	260	170
90	32.2	17830	11470	13520	8920	4610	2880	14560	9360	11040	7280	3760	2350	15870	10200	12040	7930	4100	2560
	W	1070	490	810	520	270	170	1210	550	910	590	300	190	970	440	730	470	240	160
85	29.4	18520	11910	14040	9270	4790	2990	15120	9720	11460	7570	3910	2440	16480	10600	12490	8250	4260	2660
	W	1030	470	780	520	270	170	1160	530	880	590	300	190	930	420	700	470	240	160
80	26.7	19200	12350	14550	9590	4950	3100	15680	10080	11880	7830	4040	2530	17090	10990	12950	8530	4410	2760
	W	980	460	750	490	250	150	1110	510	840	550	280	170	890	400	670	440	220	140
75	23.9	19890	12790	15080	9960	5150	3220	16240	10440	12310	8130	4200	2630	17700	11380	13420	8860	4580	2870
	W	930	430	710	470	250	150	1050	480	800	530	280	170	840	380	640	420	220	140
70	21.1	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	800	370	600	390	210	120	900	410	680	440	230	140	720	320	540	350	180	120
65	18.3	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	800	370	600	390	210	120	900	410	680	440	230	140	720	320	540	350	180	120
60	15.6	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	790	370	590	390	210	120	890	410	670	440	230	140	710	320	530	350	180	120
55	12.8	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	790	370	590	390	210	120	890	410	670	440	230	140	710	320	530	350	180	120
50	10.0	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	790	370	590	390	210	120	890	410	670	440	230	140	710	320	530	350	180	120
45	7.2	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	780	360	580	390	210	120	880	400	660	440	230	140	700	310	520	350	180	120
40	4.4	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	780	360	580	390	210	120	880	400	660	440	230	140	700	310	520	350	180	120
35	1.7	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	770	360	580	390	210	120	870	400	660	440	230	140	690	310	520	350	180	120
30	-1.1	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	770	360	580	390	210	120	870	400	660	440	230	140	690	310	520	350	180	120
25	-3.9	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	770	360	580	390	210	120	870	400	660	440	230	140	690	310	520	350	180	120
20	-6.7	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	760	350	570	390	210	120	860	390	650	440	230	140	680	300	510	350	180	120
15	-9.4	17320	11140	13130	8650	4460	2780	14140	9090	10720	7060	3640	2270	15410	9910	11690	7690	3970	2480
	W	760	350	570	390	210	120	860	390	650	440	230	140	680	300	510	350	180	120

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ09NA

MUFZ-KJ09NAHZ

2) HEATING

Rated
 Q(Btu/h): 11000
 W: 750

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
75	23.9	Q(Btu/h)	18240	10560	13790	9120	4670	3240	19000	11000	14360	9500	4860	3380	19760	11440	14930	9880	5050	3520
		W	2500	790	1850	1250	630	460	2370	750	1760	1190	600	440	2240	710	1670	1130	570	420
70	21.1	Q(Btu/h)	18270	10580	13810	9140	4670	3250	19000	11000	14360	9500	4860	3380	19730	11420	14910	9860	5050	3510
		W	2500	790	1880	1250	630	460	2370	750	1780	1190	600	440	2240	710	1680	1130	570	420
65	18.3	Q(Btu/h)	18260	10570	13800	9130	4670	3250	19000	11000	14360	9500	4860	3380	19740	11430	14920	9870	5050	3510
		W	2500	790	1880	1250	630	460	2370	750	1780	1190	600	440	2240	710	1680	1130	570	420
60	15.6	Q(Btu/h)	18210	10540	13760	9110	4660	3240	19000	11000	14360	9500	4860	3380	19790	11460	14960	9890	5060	3520
		W	2500	790	1880	1260	620	450	2370	750	1780	1200	590	430	2240	710	1680	1140	560	410
55	12.8	Q(Btu/h)	18150	10510	13720	9080	4640	3230	19000	11000	14360	9500	4860	3380	19850	11490	15000	9920	5080	3530
		W	2500	790	1890	1240	630	440	2370	750	1790	1180	600	420	2240	710	1690	1120	570	400
50	10.0	Q(Btu/h)	18080	10470	13670	9040	4630	3220	19000	11000	14360	9500	4860	3380	19920	11530	15050	9960	5090	3540
		W	2500	790	1890	1240	630	440	2370	750	1790	1180	600	420	2240	710	1690	1120	570	400
47	8.3	Q(Btu/h)	18040	10450	13640	9020	4620	3210	19000	11000	14360	9500	4860	3380	19960	11550	15080	9980	5100	3550
		W	2500	790	1890	1240	630	440	2370	750	1790	1180	600	420	2240	710	1690	1120	570	400
45	7.2	Q(Btu/h)	17920	10370	13390	9060	4520	3150	18900	10940	14120	9550	4770	3320	19880	11510	14850	10040	5020	3490
		W	2500	790	1880	1260	630	440	2370	750	1780	1200	600	420	2240	710	1680	1140	570	400
40	4.4	Q(Btu/h)	13510	7820	10100	6830	3420	2380	14300	8280	10690	7230	3620	2520	15090	8740	11280	7630	3820	2660
		W	2500	790	1880	1260	630	440	2370	750	1780	1200	600	420	2240	710	1680	1140	570	400
35	1.7	Q(Btu/h)	13320	7710	10000	6670	3330	2320	14150	8190	10620	7080	3540	2460	14980	8670	11240	7490	3750	2600
		W	2500	790	1880	1250	630	440	2370	750	1780	1190	600	420	2240	710	1680	1130	570	400
30	-1.1	Q(Btu/h)	13130	7600	9850	6560	3280	2280	14000	8110	10500	7000	3500	2430	14870	8620	11150	7440	3720	2580
		W	2500	790	1880	1250	630	440	2370	750	1780	1190	600	420	2240	710	1680	1130	570	400
25	-3.9	Q(Btu/h)	12880	7460	9700	6500	3180	2210	13800	7990	10390	6970	3410	2370	14720	8520	11080	7440	3640	2530
		W	2500	790	1890	1260	610	420	2370	750	1790	1200	580	400	2240	710	1690	1140	550	380
20	-6.7	Q(Btu/h)	12610	7300	9520	6300	3220	2140	13600	7870	10270	6800	3470	2310	14590	8440	11020	7300	3720	2480
		W	2250	720	1710	1130	580	390	2140	680	1620	1070	550	370	2030	640	1530	1010	520	350
15	-9.4	Q(Btu/h)	11940	6920	9030	5970	3050	2030	13000	7530	9830	6500	3320	2210	14060	8140	10630	7030	3590	2390
		W	1900	600	1430	950	480	330	1800	570	1360	900	460	310	1700	540	1290	850	440	290
10	-12.2	Q(Btu/h)	10880	6300	8220	5440	2780	1850	12000	6950	9060	6000	3060	2040	13120	7600	9900	6560	3340	2230
		W	1710	540	1290	850	430	280	1620	510	1220	810	410	270	1530	480	1150	770	390	260
5	-15.0	Q(Btu/h)	9800	5670	7400	4900	2500	1670	11000	6370	8310	5500	2810	1870	12200	7070	9220	6100	3120	2070
		W	1690	540	1270	840	430	280	1600	510	1210	800	410	270	1510	480	1150	760	390	260
0	-17.8	Q(Btu/h)	8590	4970	6490	4300	2200	1470	9900	5730	7480	4950	2530	1690	11210	6490	8470	5600	2860	1910
		W	1590	510	1210	800	410	270	1510	480	1150	760	390	260	1430	450	1090	720	370	250
-4	-20.0	Q(Btu/h)	7630	4420	5770	3820	1950	1300	9040	5230	6830	4520	2310	1540	10450	6040	7890	5220	2670	1780
		W	1520	480	1150	760	390	260	1440	460	1090	720	370	250	1360	440	1030	680	350	240
-10	-23.3	Q(Btu/h)	6220	3600	4700	3110	1590	1060	7800	4520	5890	3900	1990	1330	9380	5440	7080	4690	2390	1600
		W	1380	430	1030	680	350	230	1310	410	980	650	330	220	1240	390	930	620	310	210
-13	-25.0	Q(Btu/h)	5440	3150	4110	2720	1390	930	7080	4100	5350	3540	1810	1210	8720	5050	6590	4360	2230	1490
		W	1340	420	1010	670	350	230	1270	400	960	640	330	220	1200	380	910	610	310	210

* Above data is for heating operation without any frost.

MFZ-KJ12NA
MUFZ-KJ12NAHZ
1) COOLING

Rated
 Q(Btu/h): 12000
 W: 890

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h) W	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C						
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
115	46.1	Q(Btu/h)	15720	12570	11860	8000	3860	2420	12830	10260	9680	6530	3150	1980	13990	11180	10550	7110	3440	2160
		W	1360	880	1030	700	340	200	1530	990	1160	780	380	220	1230	790	930	620	300	170
110	43.3	Q(Btu/h)	16410	13120	12360	8320	4030	2520	13390	10710	10090	6790	3290	2060	14600	11670	11000	7400	3590	2240
		W	1330	870	1000	680	330	200	1500	970	1130	760	370	230	1200	780	910	610	290	180
105	40.6	Q(Btu/h)	17090	13670	12870	8680	4200	2620	13950	11160	10510	7080	3430	2140	15210	12160	11460	7710	3740	2330
		W	1300	840	970	660	320	200	1460	940	1100	740	360	230	1170	750	890	590	280	180
100	37.8	Q(Btu/h)	17740	14180	13360	8990	4360	2730	14480	11580	10910	7340	3560	2230	15790	12620	11890	8000	3880	2430
		W	1260	820	950	660	320	200	1420	920	1070	730	360	230	1140	740	860	580	280	180
95	35.0	Q(Btu/h)	18380	14700	13850	9340	4520	2830	15000	12000	11310	7620	3690	2310	16350	13080	12330	8300	4030	2520
		W	1230	800	920	620	290	190	1380	890	1040	690	330	210	1110	710	840	550	260	160
90	32.2	Q(Btu/h)	19110	15290	14410	9700	4700	2940	15600	12480	11760	7920	3840	2400	17010	13600	12820	8630	4190	2610
		W	1180	770	890	620	290	190	1330	860	1000	690	330	210	1070	690	800	550	260	160
85	29.4	Q(Btu/h)	19850	15870	14960	10070	4880	3050	16200	12960	12210	8220	3990	2490	17660	14120	13310	8960	4350	2710
		W	1140	740	850	570	280	170	1280	830	960	640	310	190	1030	660	770	510	240	150
80	26.7	Q(Btu/h)	20580	16460	15520	10450	5070	3170	16800	13440	12670	8530	4140	2590	18320	14650	13810	9290	4520	2820
		W	1080	710	810	570	280	170	1220	790	920	630	310	190	980	630	740	500	240	150
75	23.9	Q(Btu/h)	21320	17050	16060	10820	5240	3280	17400	13920	13110	8830	4280	2680	18970	15170	14290	9620	4670	2920
		W	1030	670	770	530	250	160	1160	750	870	590	280	180	930	600	700	470	220	140
70	21.1	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1010	660	760	520	250	160	1140	740	860	580	280	180	910	590	690	460	220	140
65	18.3	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1010	660	760	520	250	160	1140	740	860	580	280	180	910	590	690	460	220	140
60	15.6	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1020	660	760	520	250	160	1150	740	860	580	280	180	920	590	690	460	220	140
55	12.8	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1020	660	760	520	250	160	1150	740	860	580	280	180	920	590	690	460	220	140
50	10.0	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1030	670	770	530	250	160	1160	750	870	590	280	180	930	600	700	470	220	140
45	7.2	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1030	670	770	530	250	160	1160	750	870	590	280	180	930	600	700	470	220	140
40	4.4	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1040	670	780	530	250	160	1170	750	880	590	280	180	940	600	710	470	220	140
35	1.7	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1040	670	780	530	250	160	1170	750	880	590	280	180	940	600	710	470	220	140
30	-1.1	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1050	680	790	530	250	160	1180	760	890	590	280	180	950	610	720	470	220	140
25	-3.9	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1050	680	790	530	250	160	1180	760	890	590	280	180	950	610	720	470	220	140
20	-6.7	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1050	680	790	530	250	160	1180	760	890	590	280	180	950	610	720	470	220	140
15	-9.4	Q(Btu/h)	18620	14890	14040	9460	4580	2860	15200	12160	11460	7720	3740	2340	16570	13250	12490	8410	4080	2550
		W	1060	690	800	540	260	160	1190	770	900	600	290	180	960	620	730	480	230	140

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ12NA

MUFZ-KJ12NAHZ

Rated

Q(Btu/h): 13000

W: 900

2) HEATING

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
75	23.9	Q(Btu/h)	21890	12480	16540	10940	5600	3900	22800	13000	17230	11400	5830	4060	23710	13520	17920	11860	6060	4220
		W	2520	950	1880	1260	630	460	2390	900	1780	1200	600	440	2260	850	1680	1140	570	420
70	21.1	Q(Btu/h)	21930	12500	16570	10960	5610	3900	22800	13000	17230	11400	5830	4060	23670	13500	17890	11840	6050	4220
		W	2520	950	1900	1260	630	460	2390	900	1800	1200	600	440	2260	850	1700	1140	570	420
65	18.3	Q(Btu/h)	21910	12490	16560	10950	5600	3900	22800	13000	17230	11400	5830	4060	23690	13510	17900	11850	6060	4220
		W	2520	950	1900	1260	630	460	2390	900	1800	1200	600	440	2260	850	1700	1140	570	420
60	15.6	Q(Btu/h)	21850	12460	16520	10930	5590	3890	22800	13000	17230	11400	5830	4060	23750	13540	17940	11870	6070	4230
		W	2520	950	1900	1270	620	450	2390	900	1800	1210	590	430	2260	850	1700	1150	560	410
55	12.8	Q(Btu/h)	21780	12420	16460	10890	5570	3880	22800	13000	17230	11400	5830	4060	23820	13580	18000	11910	6090	4240
		W	2520	950	1900	1250	640	440	2390	900	1800	1190	610	420	2260	850	1700	1130	580	400
50	10.0	Q(Btu/h)	21700	12370	16400	10850	5550	3860	22800	13000	17230	11400	5830	4060	23900	13630	18060	11950	6110	4260
		W	2520	950	1900	1250	640	440	2390	900	1800	1190	610	420	2260	850	1700	1130	580	400
47	8.3	Q(Btu/h)	21650	12350	16360	10830	5540	3860	22800	13000	17230	11400	5830	4060	23950	13650	18100	11970	6120	4260
		W	2520	950	1900	1250	640	440	2390	900	1800	1190	610	420	2260	850	1700	1130	580	400
45	7.2	Q(Btu/h)	20860	11890	15590	10550	5270	3670	22000	12540	16440	11120	5560	3870	23140	13190	17290	11690	5850	4070
		W	2520	950	1880	1260	630	440	2390	900	1780	1200	600	420	2260	850	1680	1140	570	400
40	4.4	Q(Btu/h)	14270	8140	10670	7220	3610	2510	15100	8610	11290	7640	3820	2660	15930	9080	11910	8060	4030	2810
		W	2520	950	1880	1260	630	440	2390	900	1780	1200	600	420	2260	850	1680	1140	570	400
35	1.7	Q(Btu/h)	14970	8540	11220	7480	3740	2600	15900	9070	11920	7950	3970	2760	16830	9600	12620	8420	4200	2920
		W	2520	950	1900	1260	630	440	2390	900	1800	1200	600	420	2260	850	1700	1140	570	400
30	-1.1	Q(Btu/h)	14630	8340	10970	7300	3660	2540	15600	8890	11700	7790	3900	2710	16570	9440	12430	8280	4140	2880
		W	2520	950	1900	1260	630	440	2390	900	1800	1200	600	420	2260	850	1700	1140	570	400
25	-3.9	Q(Btu/h)	14180	8090	10670	7180	3510	2440	15200	8670	11440	7690	3760	2620	16220	9250	12210	8200	4010	2800
		W	2520	950	1900	1270	620	430	2390	900	1800	1210	590	410	2260	850	1700	1150	560	390
20	-6.7	Q(Btu/h)	13910	7930	10500	6940	3550	2360	15000	8550	11330	7490	3830	2550	16090	9170	12160	8040	4110	2740
		W	2220	830	1690	1120	570	380	2110	790	1600	1060	540	360	2000	750	1510	1000	510	340
15	-9.4	Q(Btu/h)	13410	7640	10130	6710	3430	2290	14600	8320	11030	7300	3730	2490	15790	9000	11930	7890	4030	2690
		W	1990	750	1510	1000	520	350	1890	710	1430	950	490	330	1790	670	1350	900	460	310
10	-12.2	Q(Btu/h)	12520	7140	9450	6260	3190	2130	13800	7870	10420	6900	3520	2350	15080	8600	11390	7540	3850	2570
		W	1930	730	1450	960	500	330	1830	690	1380	910	470	310	1730	650	1310	860	440	290
5	-15.0	Q(Btu/h)	11580	6600	8750	5790	2960	1970	13000	7410	9820	6500	3320	2210	14420	8220	10890	7210	3680	2450
		W	1910	720	1440	960	500	330	1810	680	1370	910	470	310	1710	640	1300	860	440	290
0	-17.8	Q(Btu/h)	9980	5690	7540	5000	2550	1700	11500	6560	8690	5760	2940	1960	13020	7430	9840	6520	3330	2220
		W	1750	660	1320	860	440	290	1660	630	1250	820	420	280	1570	600	1180	780	400	270
-4	-20.0	Q(Btu/h)	8870	5060	6700	4430	2260	1510	10500	5990	7930	5250	2680	1790	12130	6920	9160	6070	3100	2070
		W	1630	610	1230	810	410	270	1550	580	1170	770	390	260	1470	550	1110	730	370	250
-10	-23.3	Q(Btu/h)	7100	4040	5360	3550	1810	1200	8900	5070	6720	4450	2270	1510	10700	6100	8080	5350	2730	1820
		W	1450	550	1100	730	370	240	1380	520	1040	690	350	230	1310	490	980	650	330	220
-13	-25.0	Q(Btu/h)	6140	3500	4640	3070	1570	1040	8000	4560	6040	4000	2040	1360	9860	5620	7440	4930	2510	1680
		W	1350	510	1020	670	350	230	1280	480	970	640	330	220	1210	450	920	610	310	210

* Above data is for heating operation without any frost.

MFZ-KJ15NA
MUFZ-KJ15NAHZ
1) COOLING

Rated
 Q(Btu/h): 15000
 W: 1120

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h) W	71°F / 21.7°C					67°F / 19.4°C					63°F / 17.2°C								
		Max.	Rated	75%	50%	25% Min.	Max.	Rated	75%	50%	25% Min.	Max.	Rated	75%	50%	25% Min.				
115	46.1	Q(Btu/h)	19910	15720	15000	10070	5160	-	16250	12830	12240	8220	4210	-	17710	13990	13340	8960	4590	-
		W	1830	1110	1380	920	470	-	2050	1240	1550	1040	540	-	1640	990	1250	830	430	-
110	43.3	Q(Btu/h)	20780	16410	15660	10530	5400	-	16960	13390	12780	8600	4410	-	18480	14600	13930	9380	4810	-
		W	1790	1090	1340	900	470	-	2010	1220	1510	1020	530	-	1610	970	1210	810	430	-
105	40.6	Q(Btu/h)	21650	17090	16310	10950	5620	-	17670	13950	13310	8940	4590	-	19260	15210	14500	9750	5010	-
		W	1750	1060	1320	890	450	-	1960	1190	1480	1000	510	-	1570	950	1190	800	410	-
100	37.8	Q(Btu/h)	22470	17740	16920	11370	5830	-	18340	14480	13810	9280	4760	-	19990	15790	15050	10120	5190	-
		W	1700	1040	1280	860	430	-	1910	1160	1440	970	490	-	1530	930	1160	770	390	-
95	35.0	Q(Btu/h)	23280	18380	17550	11790	6050	-	19000	15000	14320	9630	4940	-	20710	16350	15610	10500	5390	-
		W	1650	1000	1240	830	420	-	1850	1120	1400	940	480	-	1480	890	1120	750	390	-
90	32.2	Q(Btu/h)	24210	19110	18240	12260	6300	-	19760	15600	14890	10010	5140	-	21540	17010	16230	10920	5610	-
		W	1580	970	1190	800	400	-	1780	1080	1340	900	460	-	1420	860	1080	720	370	-
85	29.4	Q(Btu/h)	25140	19850	18940	12720	6530	-	20520	16200	15460	10390	5330	-	22360	17660	16850	11330	5810	-
		W	1520	930	1150	760	390	-	1710	1040	1290	860	440	-	1370	830	1040	690	350	-
80	26.7	Q(Btu/h)	26070	20580	19640	13200	6770	-	21280	16800	16030	10780	5530	-	23190	18320	17470	11750	6030	-
		W	1450	880	1090	730	370	-	1630	990	1230	820	420	-	1300	790	990	650	340	-
75	23.9	Q(Btu/h)	27000	21320	20340	13680	7020	-	22040	17400	16600	11170	5730	-	24020	18970	18090	12180	6250	-
		W	1380	840	1040	700	360	-	1550	940	1170	790	410	-	1240	750	940	630	330	-
70	21.1	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1590	970	1190	800	400	-	1790	1080	1340	900	460	-	1430	860	1080	720	370	-
65	18.3	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1570	960	1190	800	400	-	1770	1070	1340	900	460	-	1410	850	1080	720	370	-
60	15.6	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1560	960	1180	800	400	-	1760	1070	1330	900	460	-	1400	850	1070	720	370	-
55	12.8	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1540	940	1160	780	390	-	1740	1050	1310	880	450	-	1380	830	1050	700	360	-
50	10.0	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1530	940	1150	770	380	-	1730	1050	1300	870	440	-	1370	830	1040	690	350	-
45	7.2	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1510	930	1140	760	380	-	1710	1040	1290	860	440	-	1350	820	1030	680	350	-
40	4.4	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1490	910	1120	760	380	-	1690	1020	1270	860	440	-	1330	800	1010	680	350	-
35	1.7	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1480	910	1120	760	380	-	1680	1020	1270	860	440	-	1320	800	1010	680	350	-
30	-1.1	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1460	890	1100	750	380	-	1660	1000	1250	850	440	-	1300	780	990	670	350	-
25	-3.9	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1450	890	1090	740	370	-	1650	1000	1240	840	430	-	1290	780	980	660	340	-
20	-6.7	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1430	880	1080	720	360	-	1630	990	1230	820	420	-	1270	770	970	640	330	-
15	-9.4	Q(Btu/h)	20920	16520	15770	10610	5440	-	17080	13480	12870	8660	4440	-	18610	14700	14030	9440	4840	-
		W	1420	870	1070	710	350	-	1620	980	1220	810	410	-	1260	760	960	630	320	-

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ15NA

MUFZ-KJ15NAHZ

2) HEATING

Rated
 Q(Btu/h): 18000
 W: 1410

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
75	23.9	Q(Btu/h)	24000	17280	18130	12000	6130	4900	25000	18000	18880	12500	6380	5100	26000	18720	19630	13000	6630	5300
		W	3590	1490	2710	1820	900	850	3410	1410	2570	1730	850	810	3230	1330	2430	1640	800	770
70	21.1	Q(Btu/h)	24040	17310	18160	12020	6140	4900	25000	18000	18880	12500	6380	5100	25960	18690	19600	12980	6620	5300
		W	3590	1490	2690	1820	920	830	3410	1410	2550	1730	870	790	3230	1330	2410	1640	820	750
65	18.3	Q(Btu/h)	24020	17300	18140	12010	6130	4900	25000	18000	18880	12500	6380	5100	25980	18700	19620	12990	6630	5300
		W	3590	1490	2710	1810	880	800	3410	1410	2570	1720	840	760	3230	1330	2430	1630	800	720
60	15.6	Q(Btu/h)	23960	17250	18100	11980	6120	4890	25000	18000	18880	12500	6380	5100	26040	18750	19660	13020	6640	5310
		W	3590	1490	2700	1800	910	790	3410	1410	2560	1710	860	750	3230	1330	2420	1620	810	710
55	12.8	Q(Btu/h)	23880	17200	18040	11940	6100	4870	25000	18000	18880	12500	6380	5100	26120	18800	19720	13060	6660	5330
		W	3590	1490	2710	1790	920	770	3410	1410	2570	1700	870	730	3230	1330	2430	1610	820	690
50	10.0	Q(Btu/h)	23800	17130	17970	11900	6070	4850	25000	18000	18880	12500	6380	5100	26200	18870	19790	13100	6690	5350
		W	3590	1490	2710	1810	880	740	3410	1410	2570	1720	840	700	3230	1330	2430	1630	800	660
47	8.3	Q(Btu/h)	23740	17090	17930	11870	6060	4840	25000	18000	18880	12500	6380	5100	26260	18910	19830	13130	6700	5360
		W	3590	1490	2710	1790	920	740	3410	1410	2570	1700	870	700	3230	1330	2430	1610	820	660
45	7.2	Q(Btu/h)	23520	16940	17570	11880	5940	4750	24800	17860	18530	12530	6260	5010	26080	18780	19490	13180	6580	5270
		W	3590	1490	2690	1820	910	730	3410	1410	2550	1730	860	690	3230	1330	2410	1640	810	650
40	4.4	Q(Btu/h)	20790	14970	15640	10490	5140	4110	22000	15840	16550	11100	5440	4350	23210	16710	17460	11710	5740	4590
		W	3590	1490	2700	1800	880	710	3410	1410	2560	1710	840	670	3230	1330	2420	1620	800	630
35	1.7	Q(Btu/h)	20520	14780	15390	10250	5130	3940	21800	15700	16350	10890	5450	4190	23080	16620	17310	11530	5770	4440
		W	3590	1490	2700	1790	900	680	3410	1410	2560	1700	850	650	3230	1330	2420	1610	800	620
30	-1.1	Q(Btu/h)	20160	14510	15220	10080	5140	3810	21500	15480	16230	10750	5480	4060	22840	16450	17240	11420	5820	4310
		W	3590	1490	2720	1800	920	670	3410	1410	2580	1710	870	640	3230	1330	2440	1620	820	610
25	-3.9	Q(Btu/h)	19690	14170	14760	9840	4920	3640	21100	15190	15820	10550	5270	3900	22510	16210	16880	11260	5620	4160
		W	3590	1490	2700	1780	900	660	3410	1410	2560	1690	850	630	3230	1330	2420	1600	800	600
20	-6.7	Q(Btu/h)	19280	13890	14420	9730	4870	3480	20800	14980	15550	10500	5250	3750	22320	16070	16680	11270	5630	4020
		W	3480	1430	2600	1740	870	620	3300	1360	2470	1650	830	590	3120	1290	2340	1560	790	560
15	-9.4	Q(Btu/h)	18380	13230	13820	9260	4550	3250	20000	14400	15040	10080	4950	3540	21620	15570	16260	10900	5350	3830
		W	3330	1380	2510	1660	820	590	3160	1310	2380	1580	780	560	2990	1240	2250	1500	740	530
10	-12.2	Q(Btu/h)	16330	11760	12280	8250	4050	2890	18000	12960	13540	9090	4470	3190	19670	14160	14800	9930	4890	3490
		W	3190	1320	2400	1610	790	570	3030	1250	2280	1530	750	540	2870	1180	2160	1450	710	510
5	-15.0	Q(Btu/h)	16030	11540	12060	8100	3980	2840	18000	12960	13540	9090	4470	3190	19970	14380	15020	10080	4960	3540
		W	3110	1290	2340	1560	770	550	2950	1220	2220	1480	730	520	2790	1150	2100	1400	690	490
0	-17.8	Q(Btu/h)	15620	11250	11750	7890	3880	2770	18000	12960	13540	9090	4470	3190	20380	14670	15330	10290	5060	3610
		W	2860	1180	2150	1440	710	510	2710	1120	2040	1370	670	480	2570	1060	1930	1300	630	450
-4	-20.0	Q(Btu/h)	13510	9730	10160	6810	3340	2390	16000	11520	12030	8060	3960	2830	18490	13310	13900	9310	4580	3270
		W	2730	1130	2050	1380	670	480	2590	1070	1950	1310	640	460	2450	1010	1850	1240	610	440
-10	-23.3	Q(Btu/h)	11640	8380	8760	5880	2890	2070	14600	10510	10980	7370	3620	2590	17560	12640	13200	8860	4350	3110
		W	2510	1030	1890	1270	630	450	2380	980	1790	1210	600	430	2250	930	1690	1150	570	410
-13	-25.0	Q(Btu/h)	10750	7740	8090	5430	2660	1900	14000	10080	10530	7070	3470	2480	17250	12420	12970	8710	4280	3060
		W	2400	990	1810	1220	600	430	2280	940	1720	1160	570	410	2160	890	1630	1100	540	390

* Above data is for heating operation without any frost.

MFZ-KJ18NA
MUFZ-KJ18NAHZ
1) COOLING

Rated
 Q(Btu/h): 17000
 W: 1350

Indoor W.B. Outdoor D.B. (°F) (°C)	Q(Btu/h) W	71°F / 21.7°C						67°F / 19.4°C						63°F / 17.2°C					
		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1	Q(Btu/h)	23570	17810	17750	11930	6110	-	19240	14540	14490	9740	4990	-	20970	15850	15800	10620	5440	-
	W	2300	1340	1730	1160	600	-	2580	1500	1940	1310	670	-	2060	1190	1560	1050	530	-
110 43.3	Q(Btu/h)	24610	18600	18530	12450	6080	5780	20090	15180	15130	10160	4960	4720	21900	16540	16490	11080	5410	5140
	W	2250	1310	1690	1120	560	530	2520	1470	1900	1260	620	590	2020	1170	1530	1010	490	470
105 40.6	Q(Btu/h)	25640	19370	19300	12960	6330	6030	20930	15810	15760	10580	5170	4920	22810	17230	17180	11530	5630	5360
	W	2200	1280	1650	1110	550	520	2460	1430	1850	1250	610	580	1970	1140	1490	1000	480	470
100 37.8	Q(Btu/h)	26600	20100	20040	13460	6580	6260	21720	16410	16360	10990	5370	5110	23680	17880	17830	11980	5850	5570
	W	2130	1240	1600	1080	530	500	2390	1390	1800	1210	590	560	1910	1110	1440	970	470	450
95 35.0	Q(Btu/h)	27560	20830	20750	13940	6810	6490	22500	17000	16940	11380	5560	5300	24530	18530	18470	12410	6060	5770
	W	2070	1210	1560	1040	510	480	2320	1350	1750	1170	570	540	1860	1080	1400	930	450	430
90 32.2	Q(Btu/h)	28660	21660	21580	14500	7080	6740	23400	17680	17620	11840	5780	5500	25510	19270	19210	12910	6300	5990
	W	2000	1160	1510	1000	490	460	2240	1300	1690	1130	550	520	1790	1040	1360	900	440	420
85 29.4	Q(Btu/h)	29770	22490	22400	15060	7350	6990	24300	18360	18290	12290	6000	5710	26490	20010	19940	13400	6540	6220
	W	1920	1120	1440	970	470	450	2150	1250	1620	1090	530	500	1720	1000	1300	870	420	400
80 26.7	Q(Btu/h)	30870	23330	23250	15620	7630	7260	25200	19040	18980	12750	6230	5930	27470	20750	20690	13900	6790	6460
	W	1830	1060	1380	920	460	440	2050	1190	1550	1040	510	490	1640	950	1240	830	400	390
75 23.9	Q(Btu/h)	31970	24160	24070	16170	7900	7520	26100	19720	19650	13200	6450	6140	28450	21490	21420	14390	7030	6690
	W	1740	1010	1310	880	430	410	1950	1130	1470	990	480	460	1560	900	1180	790	380	370
70 21.1	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	2180	1270	1640	1090	540	510	2440	1420	1840	1230	600	570	1950	1130	1480	980	480	460
65 18.3	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	2150	1250	1610	1080	530	500	2410	1400	1810	1220	590	560	1930	1110	1460	970	470	450
60 15.6	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	2120	1230	1600	1070	530	500	2380	1380	1800	1210	590	560	1910	1090	1450	960	470	450
55 12.8	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	2090	1220	1570	1050	520	490	2350	1370	1770	1190	580	550	1890	1080	1430	940	460	440
50 10.0	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	2060	1200	1550	1030	510	480	2320	1350	1750	1170	570	540	1870	1060	1410	920	450	430
45 7.2	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	2030	1180	1520	1020	510	480	2290	1330	1720	1160	570	540	1850	1040	1390	910	450	430
40 4.4	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	1990	1160	1500	1000	500	470	2250	1310	1700	1140	560	530	1820	1020	1370	890	440	420
35 1.7	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	1960	1140	1470	980	490	460	2220	1290	1670	1120	550	520	1800	1000	1350	870	430	410
30 -1.1	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	1930	1120	1450	960	480	450	2190	1270	1650	1100	540	510	1780	980	1330	850	420	400
25 -3.9	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	1900	1110	1430	960	480	450	2160	1260	1630	1100	540	510	1760	970	1310	850	420	400
20 -6.7	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	1870	1090	1400	940	470	440	2130	1240	1600	1080	530	500	1740	950	1290	830	410	390
15 -9.4	Q(Btu/h)	24030	18160	18090	12150	5930	5650	19620	14820	14770	9920	4840	4610	21390	16150	16100	10810	5280	5020
	W	1840	1070	1380	920	460	440	2100	1220	1580	1060	520	500	1720	930	1270	810	400	390

* It may not reach the above capacities in low ambient temperatures.

MFZ-KJ18NA

MUFZ-KJ18NAHZ

Rated
 Q(Btu/h): 21000
 W: 1730

2) HEATING

Indoor D.B. Outdoor W.B. (°F) (°C)			78.8°F / 26.0°C						70°F / 21.1°C						59°F / 15.0°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
75	23.9	Q(Btu/h)	27840	20160	21030	13920	7100	5680	29000	21000	21900	14500	7400	5920	30160	21840	22770	15080	7700	6160
		W	3610	1820	2720	1840	900	850	3430	1730	2580	1750	850	810	3250	1640	2440	1660	800	770
70	21.1	Q(Btu/h)	27890	20200	21060	13940	7120	5690	29000	21000	21900	14500	7400	5920	30110	21800	22740	15060	7680	6150
		W	3610	1820	2710	1820	920	830	3430	1730	2570	1730	870	790	3250	1640	2430	1640	820	750
65	18.3	Q(Btu/h)	27860	20180	21040	13930	7110	5690	29000	21000	21900	14500	7400	5920	30140	21820	22760	15070	7690	6150
		W	3610	1820	2720	1810	880	800	3430	1730	2580	1720	840	760	3250	1640	2440	1630	800	720
60	15.6	Q(Btu/h)	27800	20130	20990	13900	7090	5670	29000	21000	21900	14500	7400	5920	30200	21870	22810	15100	7710	6170
		W	3610	1820	2710	1800	910	790	3430	1730	2570	1710	860	750	3250	1640	2430	1620	810	710
55	12.8	Q(Btu/h)	27700	20060	20920	13850	7070	5660	29000	21000	21900	14500	7400	5920	30300	21940	22880	15150	7730	6180
		W	3610	1820	2730	1800	920	770	3430	1730	2590	1710	870	730	3250	1640	2450	1620	820	690
50	10.0	Q(Btu/h)	27600	19990	20850	13800	7040	5630	29000	21000	21900	14500	7400	5920	30400	22010	22950	15200	7760	6210
		W	3610	1820	2720	1830	900	750	3430	1730	2580	1740	850	710	3250	1640	2440	1650	800	670
47	8.3	Q(Btu/h)	27540	19940	20800	13770	7030	5620	29000	21000	21900	14500	7400	5920	30460	22060	23000	15230	7770	6220
		W	3610	1820	2730	1810	930	740	3430	1730	2590	1720	880	700	3250	1640	2450	1630	830	660
45	7.2	Q(Btu/h)	27500	19910	20560	13880	6940	5560	29000	21000	21680	14640	7320	5860	30500	22090	22800	15400	7700	6160
		W	3610	1820	2700	1820	910	730	3430	1730	2560	1730	860	690	3250	1640	2420	1640	810	650
40	4.4	Q(Btu/h)	24090	17450	18130	12170	5960	4770	25500	18470	19190	12880	6310	5050	26910	19490	20250	13590	6660	5330
		W	3610	1820	2720	1820	900	720	3430	1730	2580	1730	850	680	3250	1640	2440	1640	800	640
35	1.7	Q(Btu/h)	23770	17210	17830	11880	5940	4570	25250	18280	18940	12620	6310	4850	26730	19350	20050	13360	6680	5130
		W	3610	1820	2710	1810	910	700	3430	1730	2570	1720	860	660	3250	1640	2430	1630	810	620
30	-1.1	Q(Btu/h)	23440	16970	17690	11720	5970	4430	25000	18100	18870	12500	6370	4720	26560	19230	20050	13280	6770	5010
		W	3610	1820	2730	1800	920	670	3430	1730	2590	1710	870	640	3250	1640	2450	1620	820	610
25	-3.9	Q(Btu/h)	22860	16550	17140	11430	5710	4230	24500	17740	18370	12250	6120	4530	26140	18930	19600	13070	6530	4830
		W	3610	1820	2710	1800	900	660	3430	1730	2570	1710	850	630	3250	1640	2430	1620	800	600
20	-6.7	Q(Btu/h)	22250	16110	16630	11220	5610	4010	24000	17380	17940	12100	6050	4320	25750	18650	19250	12980	6490	4630
		W	3480	1750	2600	1740	870	620	3300	1660	2470	1650	830	590	3120	1570	2340	1560	790	560
15	-9.4	Q(Btu/h)	21130	15310	15900	10660	5240	3740	23000	16660	17300	11600	5700	4070	24870	18010	18700	12540	6160	4400
		W	3320	1680	2500	1660	820	590	3150	1590	2370	1580	780	560	2980	1500	2240	1500	740	530
10	-12.2	Q(Btu/h)	19960	14450	15010	10070	4940	3530	22000	15930	16550	11100	5450	3890	24040	17410	18090	12130	5960	4250
		W	3260	1640	2450	1640	810	580	3090	1560	2330	1560	770	550	2920	1480	2210	1480	730	520
5	-15.0	Q(Btu/h)	18700	13550	14070	9440	4640	3310	21000	15210	15800	10600	5210	3720	23300	16870	17530	11760	5780	4130
		W	3160	1590	2380	1600	790	570	3000	1510	2260	1520	750	540	2840	1430	2140	1440	710	510
0	-17.8	Q(Btu/h)	16930	12260	12730	8530	4190	2990	19500	14120	14670	9830	4830	3450	22070	15980	16610	11130	5470	3910
		W	2950	1490	2220	1500	740	530	2800	1410	2110	1420	700	500	2650	1330	2000	1340	660	470
-4	-20.0	Q(Btu/h)	15450	11190	11630	7800	3830	2740	18300	13250	13770	9240	4540	3240	21150	15310	15910	10680	5250	3740
		W	2780	1400	2090	1390	680	480	2640	1330	1980	1320	650	460	2500	1260	1870	1250	620	440
-10	-23.3	Q(Btu/h)	13160	9530	9900	6640	3260	2330	16500	11950	12410	8320	4090	2920	19840	14370	14920	10000	4920	3510
		W	2530	1270	1910	1290	630	450	2400	1210	1810	1220	600	430	2270	1150	1710	1150	570	410
-13	-25.0	Q(Btu/h)	12060	8730	9070	6070	2980	2130	15700	11370	11810	7910	3880	2770	19340	14010	14550	9750	4780	3410
		W	2420	1220	1820	1230	600	430	2300	1160	1730	1170	570	410	2180	1100	1640	1110	540	390

* Above data is for heating operation without any frost.

B. MULTI-USE

MXZ-2C20NA2 MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2
MXZ-5C42NA2
MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

1 | REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
MXZ-2C20NA2	MXZ-2C20NA2 - <input type="checkbox"/> U1	OBH702F OBB702D
MXZ-3C24NA2	MXZ-3C24NA2 - <input type="checkbox"/> U1	
MXZ-3C30NA2	MXZ-3C30NA2 - <input type="checkbox"/> U1	
MXZ-4C36NA2	MXZ-4C36NA2 - <input type="checkbox"/> U1	
MXZ-5C42NA2	MXZ-5C42NA2 - <input type="checkbox"/> U1	
MXZ-2C20NAHZ2	MXZ-2C20NAHZ2 - <input type="checkbox"/> U1	
MXZ-3C24NAHZ2	MXZ-3C24NAHZ2 - <input type="checkbox"/> U1	
MXZ-3C30NAHZ2	MXZ-3C30NAHZ2 - <input type="checkbox"/> U1	

2 | SPECIFICATIONS

2-1. OUTDOOR UNIT MXZ-2C20NA2

Item		Outdoor model		MXZ-2C20NA2	
		Indoor type		Non-Duct (09+09)	Duct (09+12)
Capacity	Cooling *1	Btu/h	18,000	20,000	
	Heating 47 *1	Btu/h	22,000	22,000	
	Heating 17 *2	Btu/h	1,2500	13,500	
Power consumption	Cooling *1	W	1,417	2,000	
	Heating 47 *1	W	1,641	1,771	
	Heating 17 *2	W	1,300	1,350	
EER	Cooling		12.7	10.0	
SEER	Cooling		20.0	16.0	
HSPF IV(V)	Heating		10.0	9.3	
COP	Heating		3.93	3.64	
External finish		Munsell 3.0Y 7.8/1.1			
Power supply		V, phase, Hz	208/230, 1, 60		
Max. fuse size (time delay)		A	20		
Min. circuit ampacity		A	17.2		
Fan motor		F.L.A	1.77		
Compressor	Model	SNB140FQUH2T			
	Winding resistance (at 68 °F)	Ω	U-V1.99 V-W 1.99 W-U 1.99		
		R.L.A	10.7		
		L.R.A	15.5		
Refrigerant control		LEV			
Sound level		dB(A)	50/54		
Defrost method		Reverse cycle			
Dimensions	W	in.	33-1/16		
	D	in.	13		
	H	in.	27-15/16		
Weight		lb.	126		
Remote controller		Wireless type			
Control voltage (by built-in transformer)		12 - 24 VDC			
Refrigerant piping		Not supplied (optional parts)			
Valve size	Liquid	in.	1/4		
	Gas	in.	3/8		
Connection method	Indoor	Flared			
	Outdoor	Flared			
Refrigerant charge (R410A)		lb.	5 lb. 15 oz.		
Refrigeration oil (Model)		fl oz. (L)	20.3 (0.6) (NEO22)		

NOTE: Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-3C24NA2

Item		Outdoor model		MXZ-3C24NA2	
		Indoor type		Non-Duct (06+09+09)	Duct (09+09+09)
Capacity	Cooling	*1	Btu/h	22,000	23,600
	Heating 47	*1	Btu/h	25,000	24,600
	Heating 17	*2	Btu/h	19,600	19,600
Power consumption	Cooling	*1	W	1,620	2,100
	Heating 47	*1	W	1,750	1,900
	Heating 17	*2	W	2,580	2,440
EER	Cooling			13.6	11.2
SEER	Cooling			20.0	16.0
HSPF IV(V)	Heating			9.8 (7.6)	9.2 (7.6)
COP	Heating			4.20	3.80
External finish				Munsell 3.0Y 7.8/1.1	
Power supply		V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)		A		25	
Min. circuit ampacity		A		22.1	
Fan motor		F.L.A		2.43	
Compressor	Model			SNB220FQGM	
	Winding resistance (at 68 °F)		Ω	U-V 0.95 V-W 0.95 W-U 0.95	
			R.L.A	12	
			L.R.A	13.7	
Refrigerant control				LEV	
Sound level		dB(A)		51/55	
Defrost method				Reverse cycle	
Dimensions	W		in.	37-13/32	
	D		in.	13	
	H		in.	31-11/32	
Weight			lb.	137	
Remote controller				Wireless type	
Control voltage (by built-in transformer)				12-24 VDC	
Refrigerant piping				Not supplied (optional parts)	
Valve size	Liquid		in.	1/4	
	Gas		in.	A: 1/2 B,C: 3/8	
Connection method	Indoor			Flared	
	Outdoor			Flared	
Refrigerant charge (R410A)			lb.	6 lb. 13 oz.	
Refrigeration oil (Model)			fl oz. (L)	23.7 (0.7) (FV50S)	

NOTE : Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-3C30NA2

Item		Outdoor model	MXZ-3C30NA2	
		Indoor type	Non-Duct (09+09+12)	Duct (09+09+12)
Capacity	Cooling *1	Btu/h	28,400	27,400
	Heating 47 *1	Btu/h	28,600	27,600
	Heating 17 *2	Btu/h	21,000	21,000
Power consumption	Cooling *1	W	2,680	2,840
	Heating 47 *1	W	2,150	2,220
	Heating 17 *2	W	2,740	2,820
EER	Cooling		10.6	9.6
SEER	Cooling		19.0	16.2
HSPF IV(V)	Heating		10.6 (8.0)	9.6 (8.0)
COP	Heating		3.90	3.64
External finish			Munsell 3.0Y 7.8/1.1	
Power supply		V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)		A	25	
Min. circuit ampacity		A	22.1	
Fan motor		F.L.A	2.43	
Compressor	Model		SNB220FQGMC	
	Winding resistance (at 68 °F)	Ω	U-V 0.95 V-W 0.95 W-U 0.95	
		R.L.A	12	
		L.R.A	13.7	
Refrigerant control			LEV	
Sound level		dB(A)	52/56	
Defrost method			Reverse cycle	
Dimensions	W	in.	37-13/32	
	D	in.	13	
	H	in.	31-11/32	
Weight		lb.	137	
Remote controller			Wireless type	
Control voltage (by built-in transformer)			12-24 VDC	
Refrigerant piping			Not supplied (optional parts)	
Valve size	Liquid	in.	1/4	
	Gas	in.	A: 1/2 B,C: 3/8	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Refrigerant charge (R410A)		lb.	6 lb. 13 oz.	
Refrigeration oil (Model)		fl oz. (L)	23.7 (0.7) (FV50S)	

NOTE : Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-4C36NA2

Item		Outdoor model		MXZ-4C36NA2	
		Indoor type		Non-Duct (09+09+09+09)	Duct (09+09+09+09)
Capacity	Cooling *1	Btu/h	35,400	34,400	
	Heating 47 *1	Btu/h	36,000	34,400	
	Heating 17 *2	Btu/h	26,600	26,600	
Power consumption	Cooling *1	W	3,760	3,940	
	Heating 47 *1	W	3,020	3,100	
	Heating 17 *2	W	3,440	3,540	
EER	Cooling		9.4	8.7	
SEER	Cooling		19.2	16.0	
HSPF IV(V)	Heating		11.0 (8.4)	9.8 (8.4)	
COP	Heating		3.50	3.25	
External finish		Munsell 3.0Y 7.8/1.1			
Power supply		V, phase, Hz	208/230, 1, 60		
Max. fuse size (time delay)		A	25		
Min. circuit ampacity		A	22.1		
Fan motor		F.L.A	2.43		
Compressor	Model	SNB220FQGMC			
	Winding resistance (at 68 °F)	Ω	U-V 0.95 V-W 0.95 W-U 0.95		
		R.L.A	12		
		L.R.A	13.7		
Refrigerant control		LEV			
Sound level		dB(A)	54/56		
Defrost method		Reverse cycle			
Dimensions	W	in.	37-13/32		
	D	in.	13		
	H	in.	31-11/32		
Weight		lb.	139		
Remote controller		Wireless type			
Control voltage (by built-in transformer)		12-24 VDC			
Refrigerant piping		Not supplied (optional parts)			
Valve size	Liquid	in.	1/4		
	Gas	in.	A: 1/2 B,C,D: 3/8		
Connection method	Indoor	Flared			
	Outdoor	Flared			
Refrigerant charge (R410A)		lb.	6 lb. 13 oz.		
Refrigeration oil (Model)		fl oz. (L)	23.7 (0.7) (FV50S)		

NOTE : Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-5C42NA2

Item		Outdoor model	MXZ-5C42NA2	
		Indoor type	Non-Duct (06+09+09+09+09)	Duct (09+09+09+09+09)
Capacity	Cooling *1	Btu/h	40,500	37,500
	Heating 47 *1	Btu/h	45,000	41,000
	Heating 17 *2	Btu/h	30,500	29,100
Power consumption	Cooling *1	W	4,403	4,112
	Heating 47 *1	W	3,575	3,463
	Heating 17 *2	W	4,800	5,500
EER	Cooling		9.2	9.0
SEER	Cooling		19.7	15.2
HSPF IV(V)	Heating		10.3 (7.7)	9.1 (7.7)
COP	Heating		3.69	3.47
External finish			Munsell 3.0Y 7.8/1.1	
Power supply		V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)		A	40	
Min. circuit ampacity		A	32.5	
Fan motor		F.L.A	2.43	
Compressor	Model		MNB33FBTMC-L	
	Winding resistance (at 68 °F)	Ω	U-V 0.30 V-W 0.30 W-U 0.30	
		R.L.A	20	
		L.R.A	28.8	
Refrigerant control			LEV	
Sound level		dB(A)	56/58	
Defrost method			Reverse cycle	
Dimensions	W	in.	37-13/32	
	D	in.	13	
	H	in.	41-17/64	
Weight		lb.	189	
Remote controller			Wireless type	
Control voltage (by built-in transformer)			12-24 VDC	
Refrigerant piping			Not supplied (optional parts)	
Valve size	Liquid	in.	1/4	
	Gas	in.	A:1/2 B,C,D,E: 3/8	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Refrigerant charge (R410A)		lb.	8 lb. 13 oz.	
Refrigeration oil (Model)		fl oz. (L)	37.2 (1.1) (FV50S)	

NOTE : Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-2C20NAHZ2

Item		Outdoor model		MXZ-2C20NAHZ2	
		Indoor type		Non-Duct (09+09)	Duct (09+12)
Capacity	Cooling *1	Btu/h		18,000	20,000
	Heating 47 *1	Btu/h		22,000	22,000
	Heating 17 *2	Btu/h		22,000	22,000
Power consumption	Cooling *1	W		1,334	1,819
	Heating 47 *1	W		1,612	1,748
	Heating 17 *2	W		3,071	3,224
EER	Cooling			13.5	11.0
SEER	Cooling			17.0	15.0
HSPF IV(V)	Heating			9.8 (7.8)	9.5 (7.8)
COP	Heating			4.00	3.69
External finish		Munsell 3.0Y 7.8/1.1			
Power supply		V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)		A		40	
Min. circuit ampacity		A		29.5	
Fan motor		F.L.A		2.43	
Compressor	Model		MNB33FBTMC-L		
	Winding resistance (at 68 °F)		Ω		
			U-V 0.30 V-W 0.30 W-U 0.30		
			R.L.A 20		
		L.R.A 28.8			
Refrigerant control		LEV			
Sound level		dB(A)		54/58	
Defrost method		Reverse cycle			
Dimensions	W	in.		37-13/32	
	D	in.		13	
	H	in.		41-17/64	
Weight		lb.		187	
Remote controller		Wireless type			
Control voltage (by built-in transformer)		12-24 VDC			
Refrigerant piping		Not supplied (optional parts)			
Valve size	Liquid	in.		1/4	
	Gas	in.		A,B: 3/8	
Connection method	Indoor	Flared			
	Outdoor	Flared			
Refrigerant charge (R410A)		lb.		8 lb. 13 oz.	
Refrigeration oil (Model)		fl oz. (L)		37.2 (1.1) (FV50S)	

NOTE : Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-3C24NAHZ2

Item		Outdoor model	MXZ-3C24NAHZ2	
		Indoor type	Non-Duct (06+06+09)	Duct (09+09+09)
Capacity	Cooling *1	Btu/h	22,000	23,600
	Heating 47 *1	Btu/h	25,000	24,600
	Heating 17 *2	Btu/h	25,000	24,600
Power consumption	Cooling *1	W	1,630	2,360
	Heating 47 *1	W	1,725	1,871
	Heating 17 *2	W	3,557	3,795
EER	Cooling		13.5	10.0
SEER	Cooling		19.0	15.5
HSPF IV(V)	Heating		10.0 (7.4)	9.0 (7.4)
COP	Heating		4.25	3.80
External finish			Munsell 3.0Y 7.8/1.1	
Power supply		V, phase, Hz	208/230, 1, 60	
Max. fuse size (time delay)		A	40	
Min. circuit ampacity		A	30.5	
Fan motor		F.L.A	2.43	
Compressor	Model		MNB33FBTMC-L	
	Winding resistance (at 68 °F)	Ω	U-V 0.30 V-W 0.30 W-U 0.30	
		R.L.A	20	
		L.R.A	28.8	
Refrigerant control			LEV	
Sound level		dB(A)	54/58	
Defrost method			Reverse cycle	
Dimensions	W	in.	37-13/32	
	D	in.	13	
	H	in.	41-17/64	
Weight		lb.	189	
Remote controller			Wireless type	
Control voltage (by built-in transformer)			12-24 VDC	
Refrigerant piping			Not supplied (optional parts)	
Valve size	Liquid	in.	1/4	
	Gas	in.	A: 1/2 B,C: 3/8	
Connection method	Indoor		Flared	
	Outdoor		Flared	
Refrigerant charge (R410A)		lb.	8 lb. 13 oz.	
Refrigeration oil (Model)		fl oz. (L)	37.2 (1.1) (FV50S)	

NOTE : Test conditions are based on ARI 210/240.

Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

MXZ-3C30NAHZ2

Item		Outdoor model		MXZ-3C30NAHZ2	
		Indoor type		Non-Duct (09+09+12)	Duct (09+09+12)
Capacity	Cooling *1	Btu/h		28,400	27,400
	Heating 47 *1	Btu/h		28,600	27,600
	Heating 17 *2	Btu/h		28,600	27,600
Power consumption	Cooling *1	W		2,272	2,661
	Heating 47 *1	W		2,096	2,187
	Heating 17 *2	W		4,192	4,258
EER	Cooling			12.5	10.3
SEER	Cooling			18.0	16.0
HSPF IV(V)	Heating			11.0 (8.5)	9.8 (7.7)
COP	Heating			4.00	3.70
External finish		Munsell 3.0Y 7.8/1.1			
Power supply		V, phase, Hz		208/230, 1, 60	
Max. fuse size (time delay)		A		40	
Min. circuit ampacity		A		30.5	
Fan motor		F.L.A		2.43	
Compressor	Model	MNB33FBTMC-L			
	Winding resistance (at 68 °F)	Ω		U-V 0.30 V-W 0.30 W-U 0.30	
		R.L.A		20	
		L.R.A		28.8	
Refrigerant control		LEV			
Sound level		dB(A)		54/58	
Defrost method		Reverse cycle			
Dimensions	W	in.		37-13/32	
	D	in.		13	
	H	in.		41-17/64	
Weight		lb.		189	
Remote controller		Wireless type			
Control voltage (by built-in transformer)		12-24 VDC			
Refrigerant piping		Not supplied (optional parts)			
Valve size	Liquid	in.		1/4	
	Gas	in.		A: 1/2 B,C: 3/8	
Connection method	Indoor	Flared			
	Outdoor	Flared			
Refrigerant charge (R410A)		lb.		8 lb. 13 oz.	
Refrigeration oil (Model)		fl oz. (L)		37.2 (1.1) (FV50S)	

NOTE : Test conditions are based on ARI 210/240.

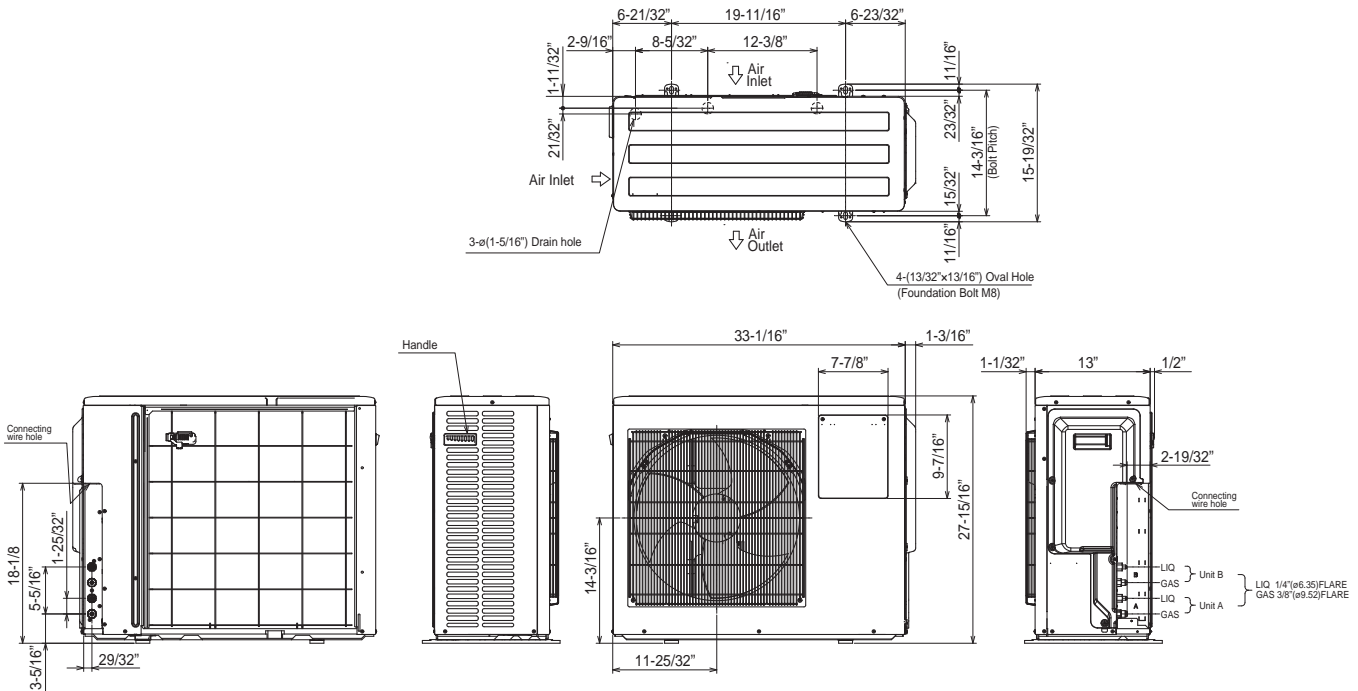
Unit: °F

Mode	Test	Indoor air condition		Outdoor air condition	
		Dry bulb	Wet bulb	Dry bulb	Wet bulb
Cooling	*1: "A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	*1: Standard rating-heating at rated compressor speed	70	60	47	43
	*2: Low temperature heating at maximum compressor speed	70	60	17	15
	Maximum temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

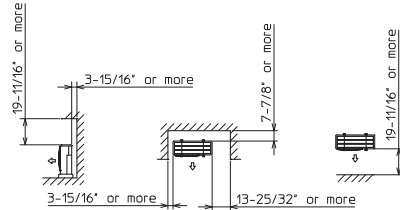
3 | OUTLINES AND DIMENSIONS

3-1. OUTDOOR UNIT MXZ-2C20NA2

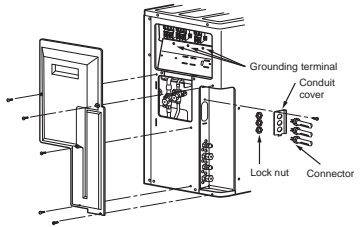
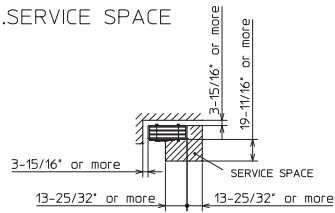
Unit: inch (mm)



1.FREE SPACE

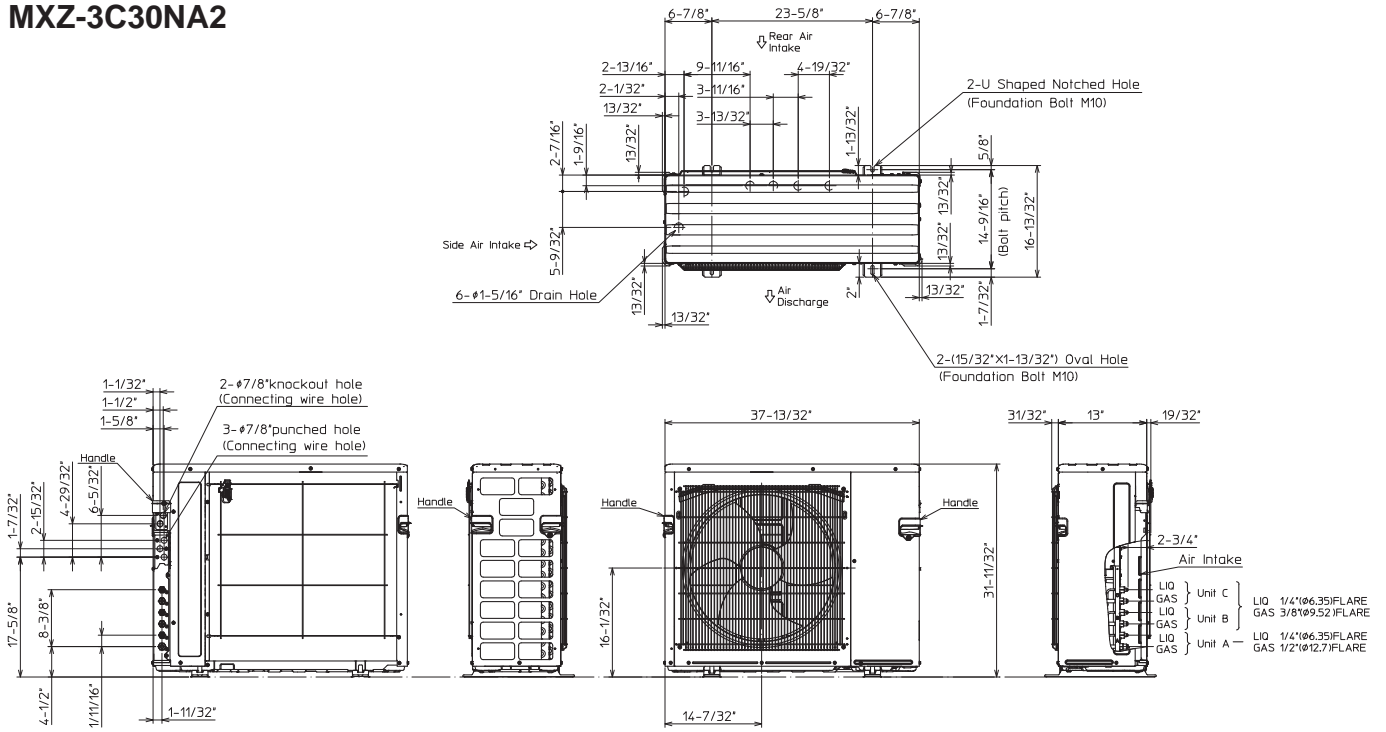


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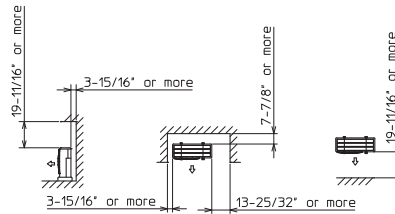


MXZ-3C24NA2
MXZ-3C30NA2

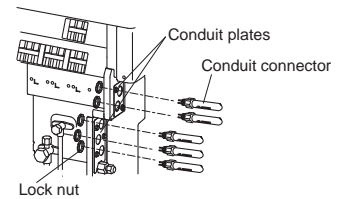
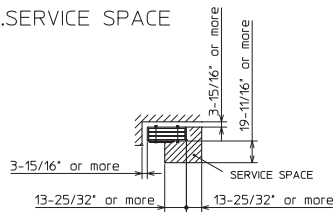
Unit: inch (mm)



1.FREE SPACE

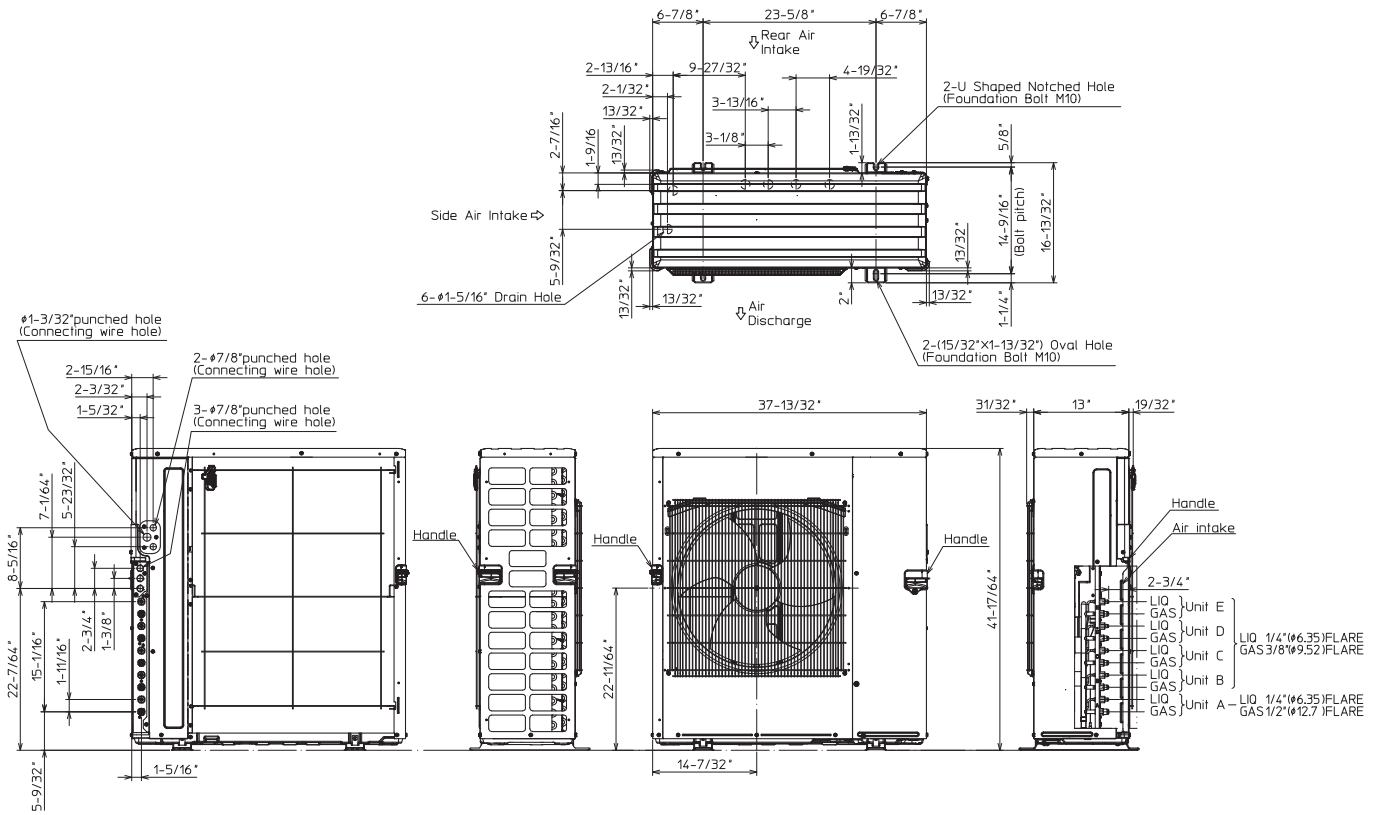


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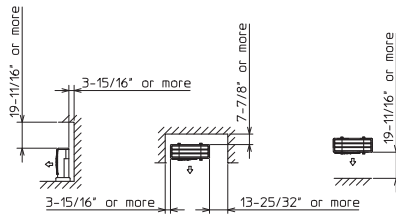


MXZ-5C42NA2

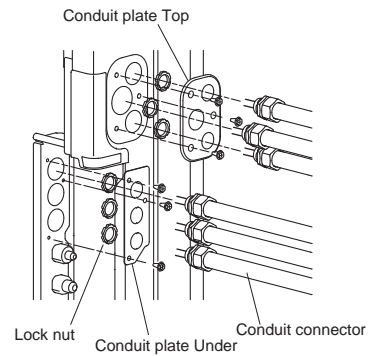
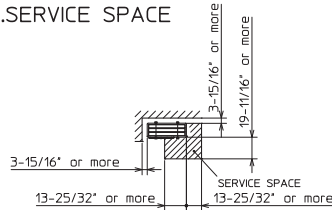
Unit: inch (mm)



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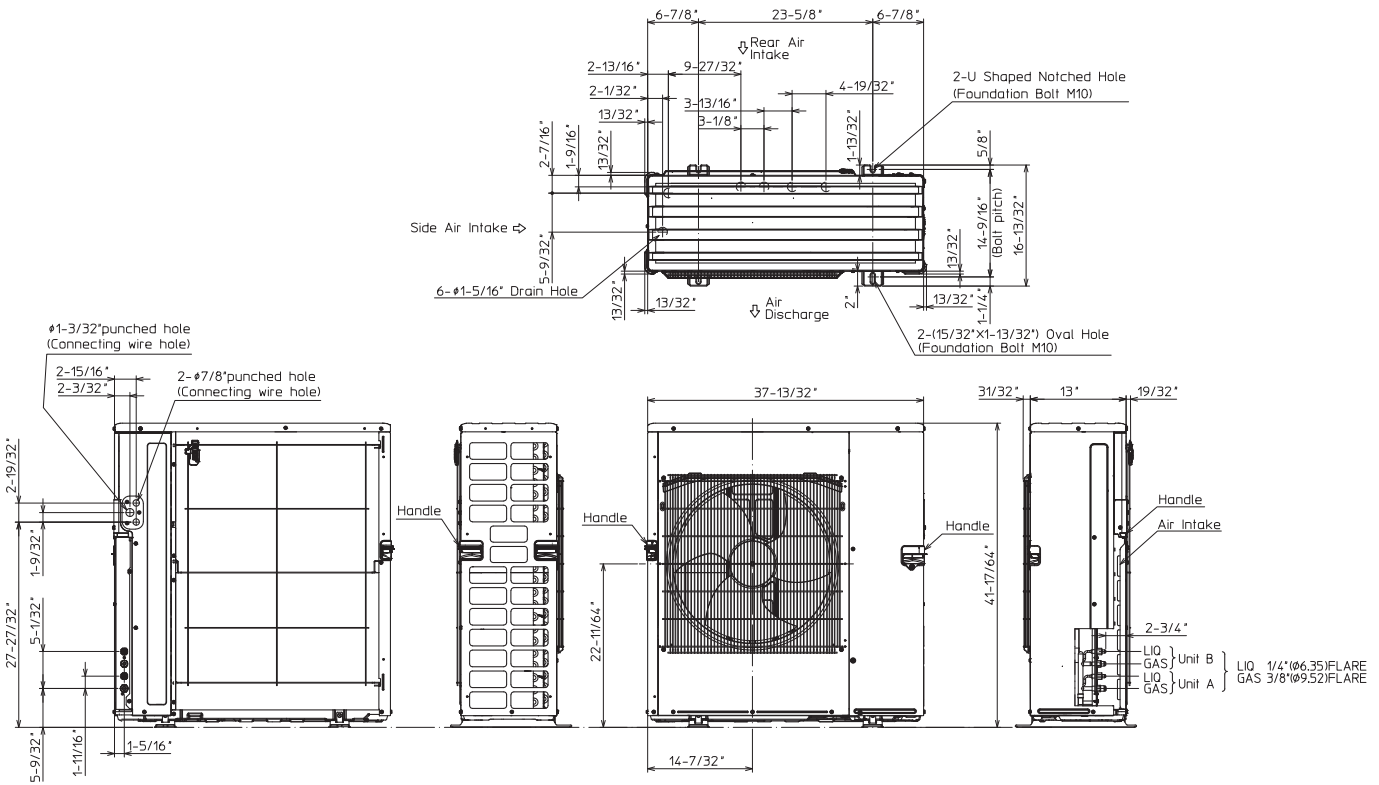


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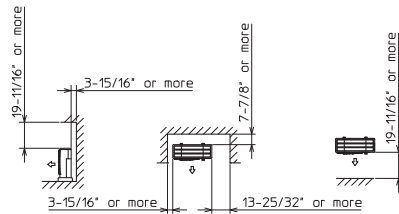


MXZ-2C20NAHZ2

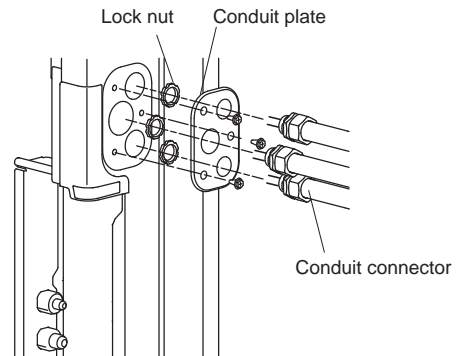
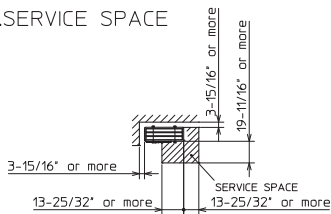
Unit: inch (mm)



1.FREE SPACE

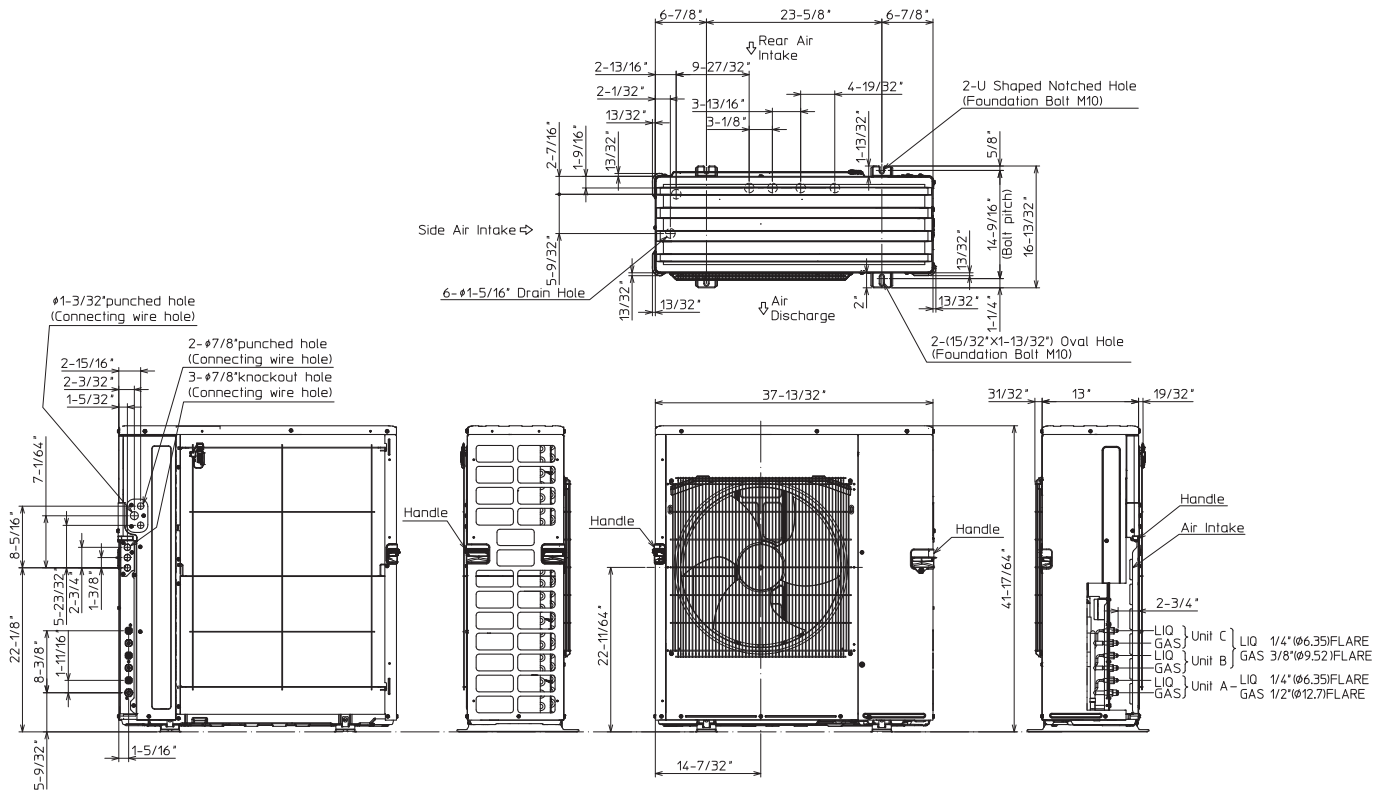


2.SERVICE SPACE

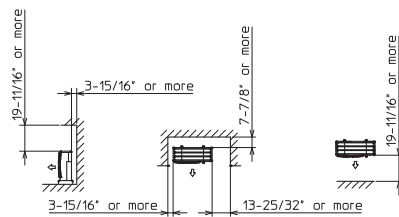


**MXZ-3C24NAHZ2
MXZ-3C30NAHZ2**

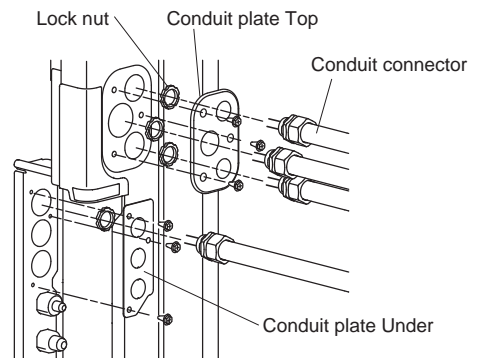
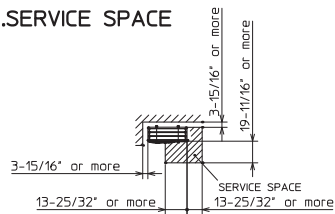
Unit: inch (mm)



1.FREE SPACE



2.SERVICE SPACE

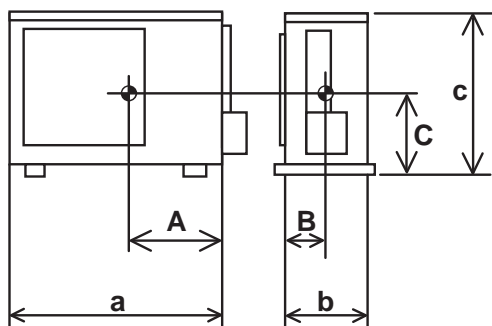


4 | POSITION OF THE CENTER OF GRAVITY

4-1. OUTDOOR UNIT

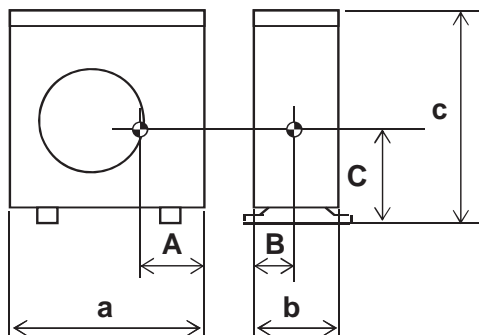
Unit: inch (mm)

MXZ-2C20NA2



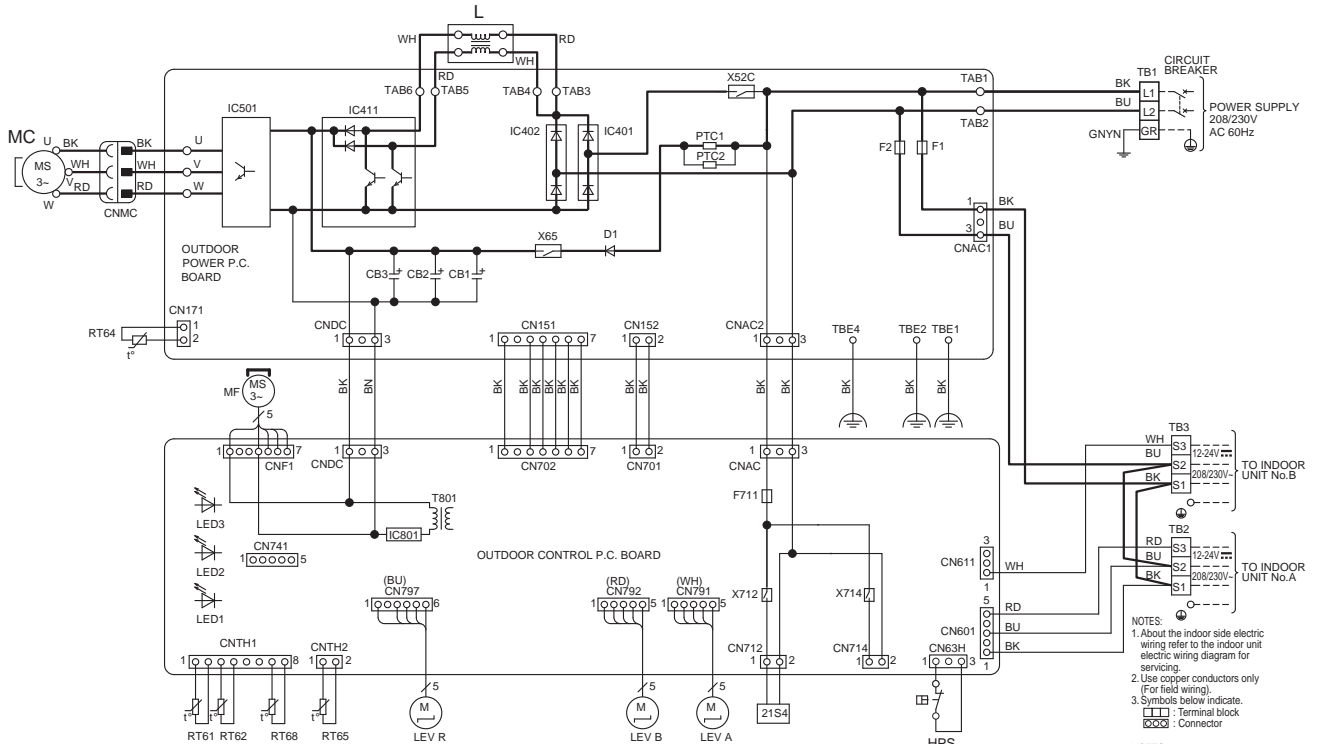
Model name	A	B	C	a	b	c
MXZ-2C20NA2	11-1/32 (280)	6-3/32 (155)	13 (330)	33-1/16 (840)	13 (330)	27-15/16 (710)
MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2	14-3/8 (365)	6-5/16 (160)	12-27/32 (326)	37-13/32 (950)	13 (330)	31-11/32 (796)
MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2 MXZ-5C42NA2	12 (305)	5-29/32 (150)	17-23/32 (450)	37-13/32 (950)	13 (330)	41-17/64 (1048)

MXZ-3C24NA2 MXZ-2C20NAHZ2
 MXZ-3C30NA2 MXZ-3C24NAHZ2
 MXZ-4C36NA2 MXZ-3C30NAHZ2
 MXZ-5C42NA2



5 | WIRING DIAGRAM

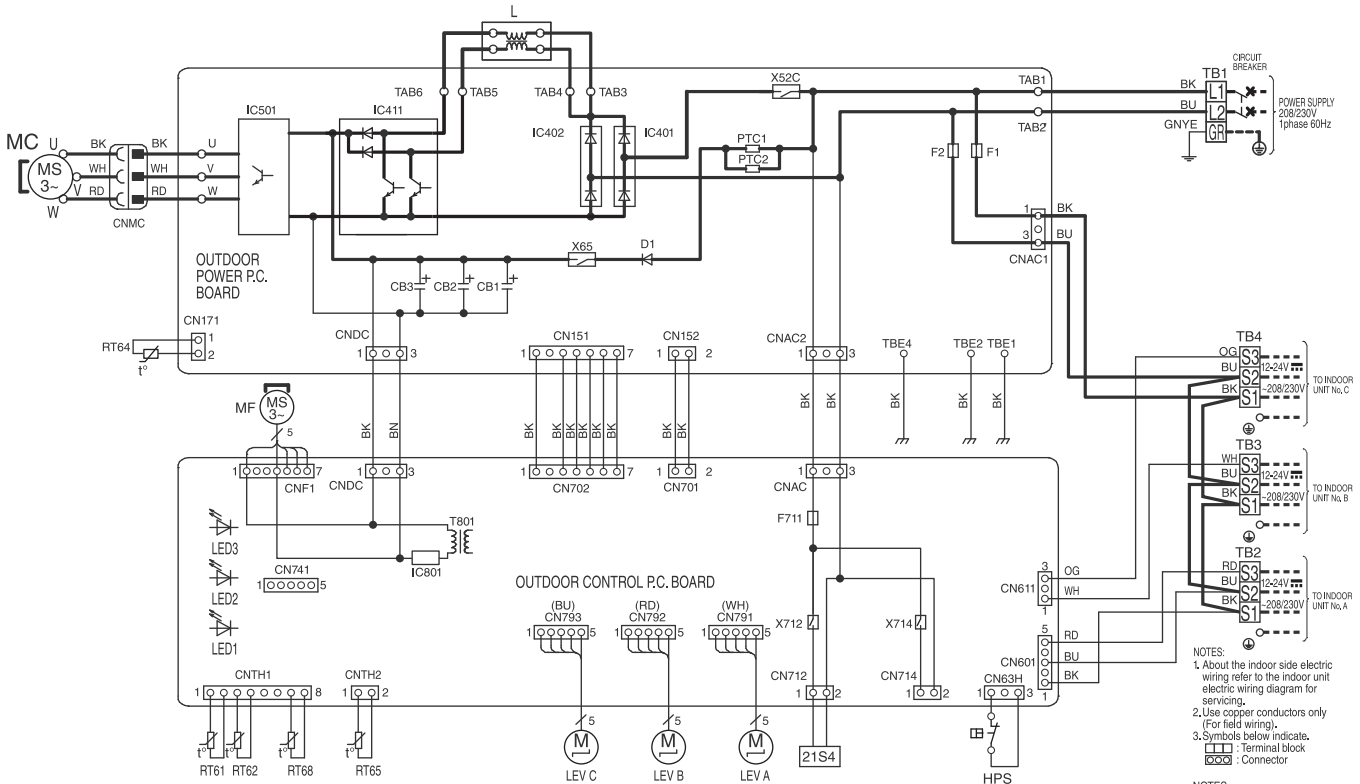
5-1. OUTDOOR UNIT MXZ-2C20NA2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1-3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A, B, R	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X52C	RELAY
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F1	FUSE (T6.3AL250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	X712	RELAY
F2	FUSE (T6.3AL250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION	RT68	TEMPERATURE THERMISTOR	X714	RELAY
F711	FUSE (T3.15AL250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	21S4	REVERSING VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	LED1-3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1-3	TERMINAL BLOCK		

- NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
 2. Utiliser des conducteurs en cuivre (Pour le câblage).
 3. Symbole ci-dessous indique.
 - Terminal block
 - Connector
 - Bornier
 - Connecteur

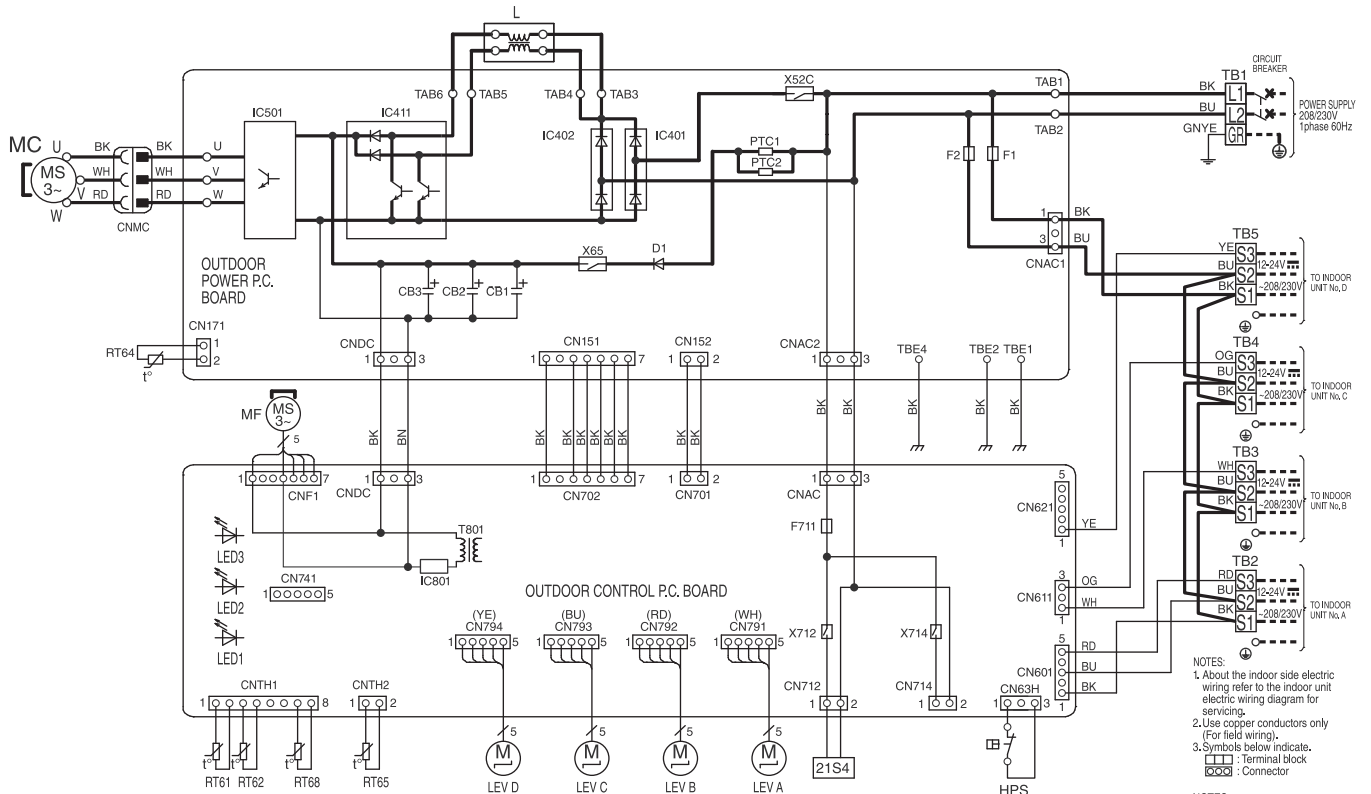
MXZ-3C24NA2 MXZ-3C30NA2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1-3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A-C	EXPANSION VALVE COIL	RT64	FIN TEMP.THERMISTOR	X52C	RELAY
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP.THERMISTOR	X65	RELAY
F1	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER	X712	RELAY
F2	FUSE (T6.3AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION		TEMPERATURE THERMISTOR	X714	RELAY
F711	FUSE (T3.15AL 250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	21S4	REVERSING VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	LED1-3	LED	RT62	DISCHARGE TEMP.THERMISTOR	TB1-4	TERMINAL BLOCK		

- NOTES:
- About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
 - Use copper conductors only (For field wiring).
 - Symbols below indicate.
 : Terminal block
 : Borne
 : Connector
- NOTES:
- À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
 - Utiliser des conducteurs en cuivre (Pour le câblage).
 - Symbole ci-dessous indique.
 : Borne
 : Connecteur

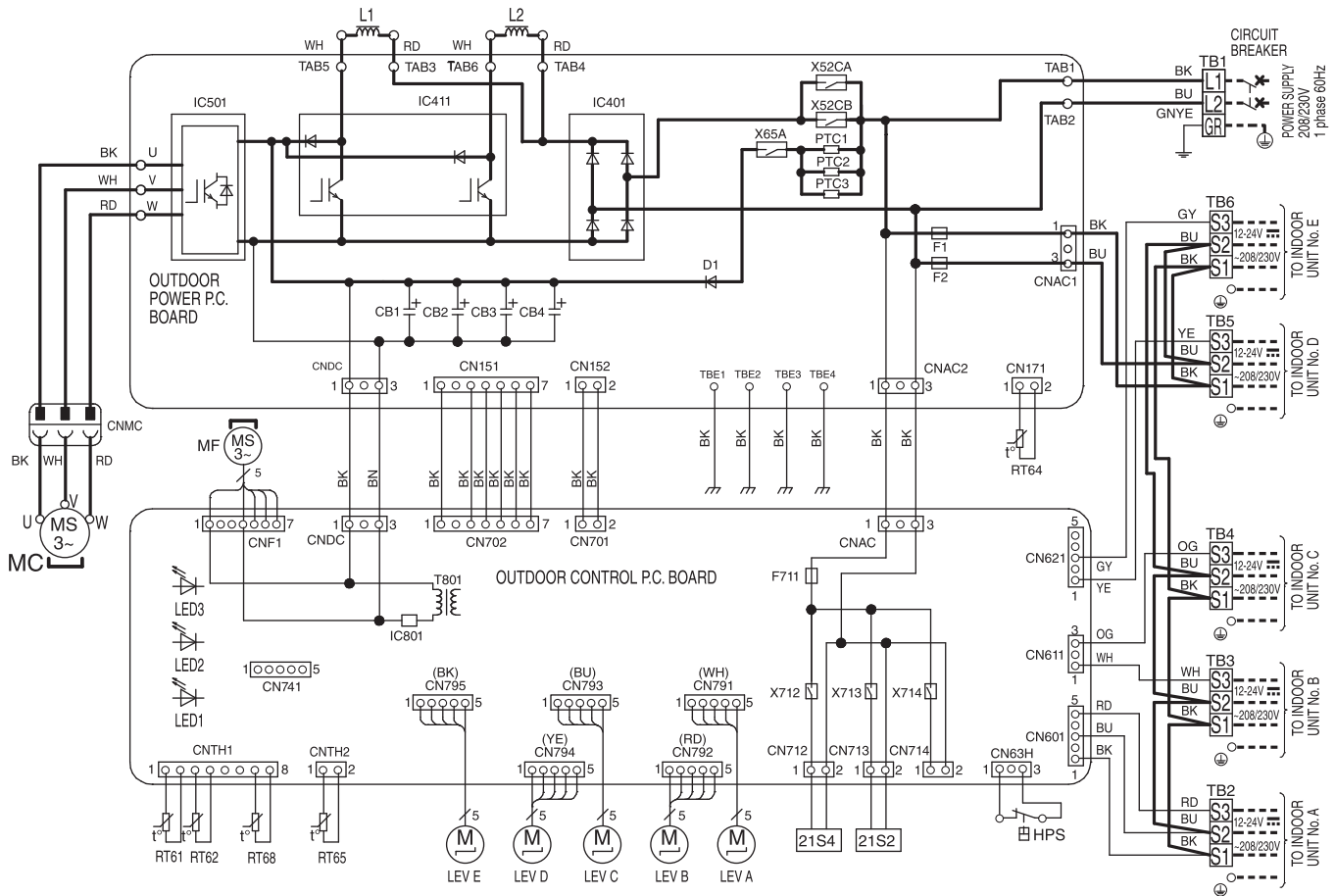
MXZ-4C36NA2



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CB1-3	SMOOTHING CAPACITOR	IC401, 402	DIODE BRIDGE	LEV A-D	EXPANSION VALVE COIL	RT64	FIN TEMP. THERMISTOR	X52C	RELAY
D1	DIODE	IC411	POWER FACTOR CONTROLLER	MC	COMPRESSOR	RT65	AMBIENT TEMP. THERMISTOR	X65	RELAY
F1	FUSE (T6.3AL 250V)	IC501	POWER MODULE	MF	FAN MOTOR	RT68	OUTDOOR HEAT EXCHANGER	X712	RELAY
F2	FUSE (T6.3AL 250V)	IC801	POWER DEVICE	PTC1, 2	CIRCUIT PROTECTION		TEMPERATURE THERMISTOR	X714	RELAY
F711	FUSE (T3.15AL 250V)	L	REACTOR	RT61	DEFROST THERMISTOR	T801	TRANSFORMER	21S4	REVERSING VALVE SOLENOID COIL
HPS	HIGH PRESSURE SWITCH	LED1-3	LED	RT62	DISCHARGE TEMP. THERMISTOR	TB1-5	TERMINAL BLOCK		

- NOTES:
1. About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
 2. Use copper conductors only (For field wiring).
 3. Symbols below indicate.
 - : Terminal block.
 - : Connector
- NOTES:
1. À propos du câblage électrique de côté intérieur se référer à l'unité intérieure schéma électrique pour l'entretien.
 2. Utiliser des conducteurs en cuivre (Pour le câblage).
 3. Symbole ci-dessous indique.
 - : Bornier
 - : Connecteur

MXZ-5C42NA2



SYMBOL	NAME	SYMBOL	NAME
CB1-4	SMOOTHING CAPACITOR	RT62	DISCHARGE TEMP. THERMISTOR
D1	DIODE	RT64	FIN TEMP. THERMISTOR
F1, F2	FUSE (T6.3AL 250V)	RT65	AMBIENT TEMP. THERMISTOR
F711	FUSE (T3.15AL 250V)	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
HPS	HIGH PRESSURE SWITCH	T801	TRANSFORMER
IC401	DIODE BRIDGE	TB1-6	TERMINAL BLOCK
IC411	POWER MODULE	X52CA, B	RELAY
IC501	POWER MODULE	X65A	RELAY
IC801	POWER DEVICE	X712	RELAY
L1, L2	REACTOR	X713	RELAY
LED 1-3	LED	X714	RELAY
LEV A-E	EXPANSION VALVE COIL	21S2	2WAY VALVE SOLENOID COIL
MC	COMPRESSOR	21S4	REVERSING VALVE SOLENOID COIL
MF	FAN MOTOR		
PTC1-3	CIRCUIT PROTECTION		
RT61	DEFROST THERMISTOR		

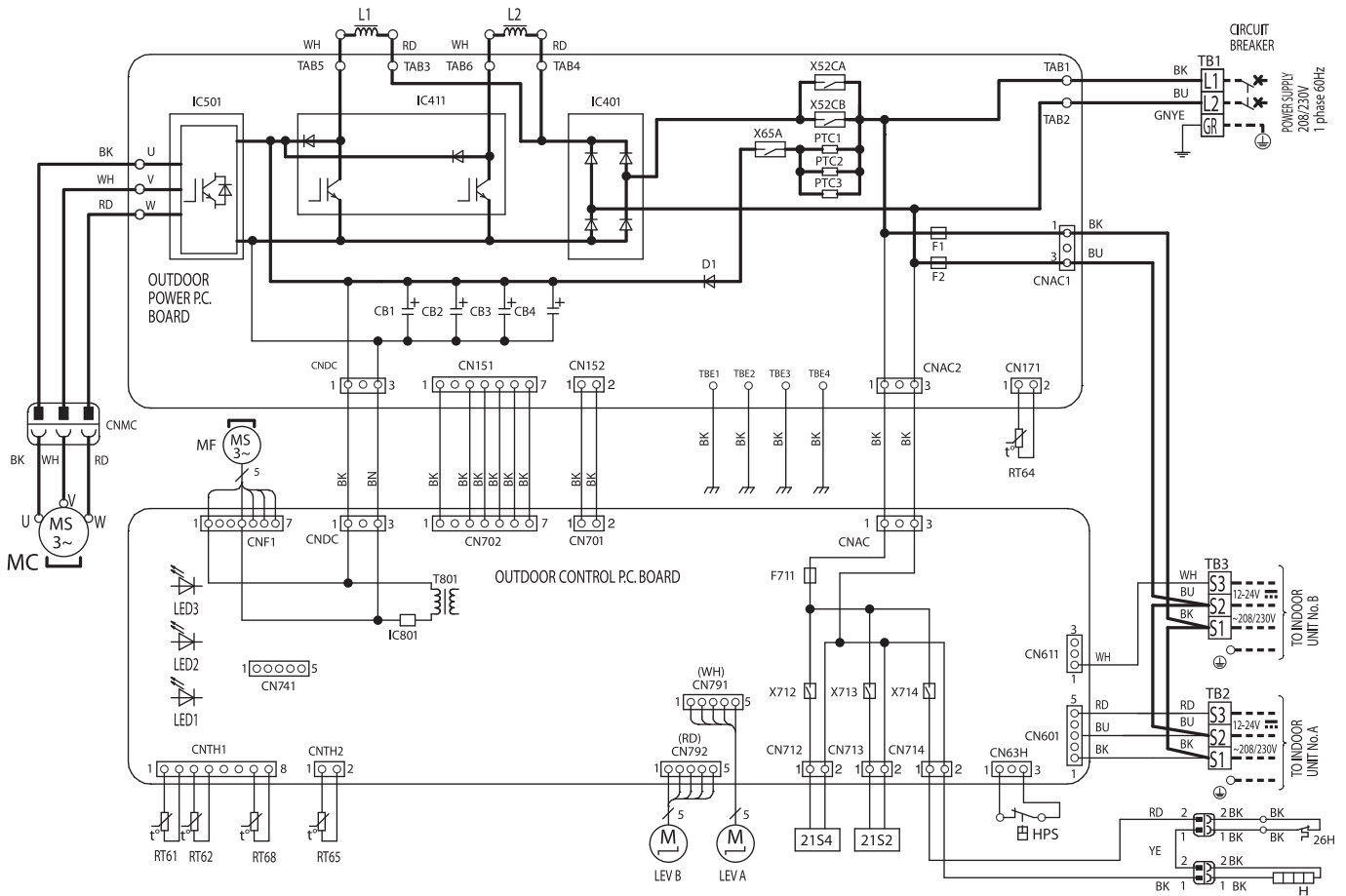
NOTES:

- About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
- Use copper conductors only (For field wiring).
- Symbols below indicate.
 : Terminal block
 : Connector

NOTES:

- À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
- Utiliser des conducteurs en cuivre (pour le câblage).
- Symbole ci-dessous indique.
 : Bornier
 : Connecteur

MXZ-2C20NAHZ2

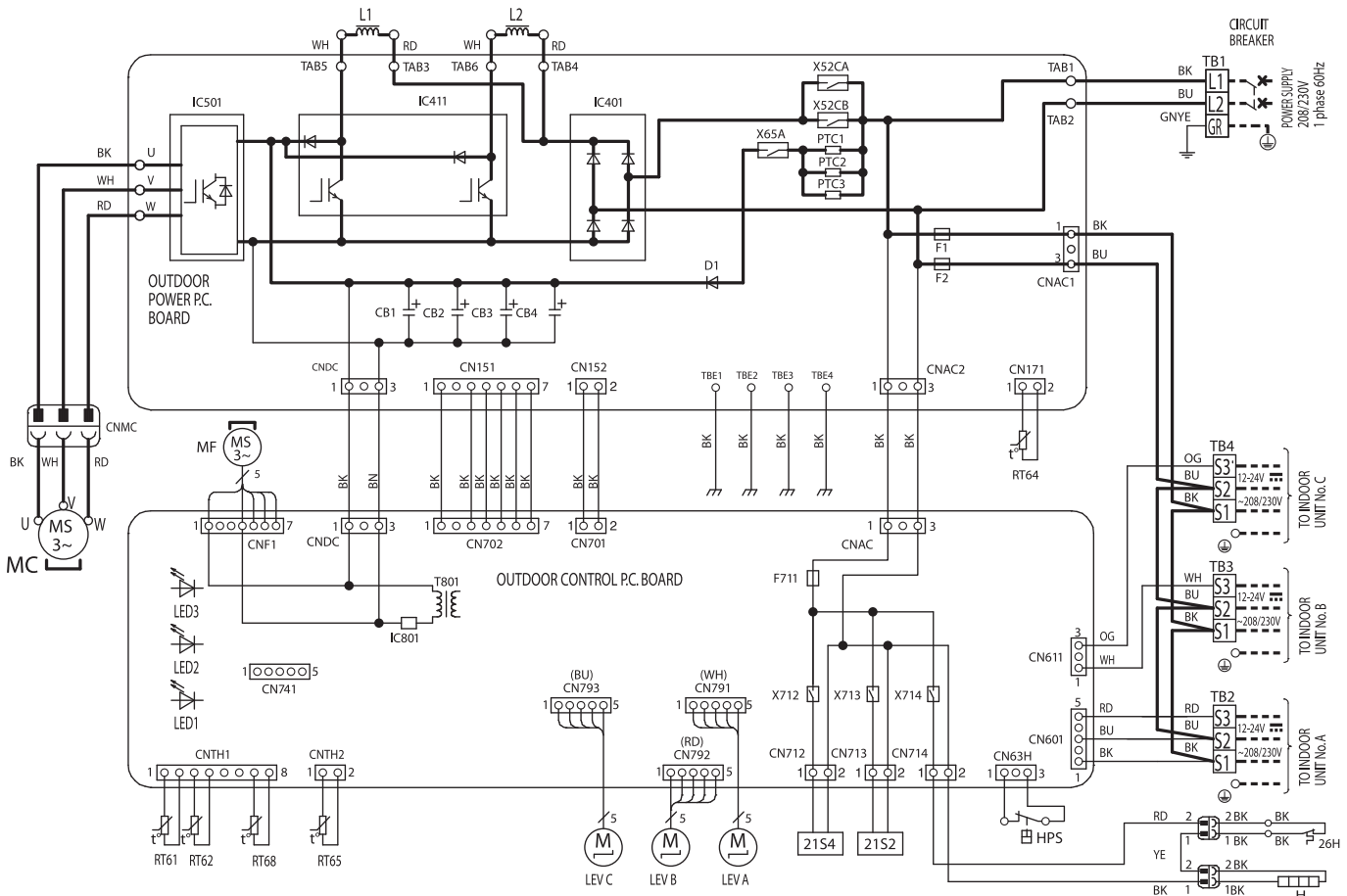


SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP.THERMISTOR
F1, F2	FUSE (T6.3AL 250V)	RT64	FIN TEMP.THERMISTOR
F711	FUSE (T3.15AL 250V)	RT65	AMBIENT TEMP.THERMISTOR
HPS	HIGH PRESSURE SWITCH	RT 68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
H	DEFROST HEATER	T801	TRANSFORMER
IC401	DIODE BRIDGE	TB1~3	TERMINAL BLOCK
IC411	POWER MODULE	X52CA, B	RELAY
IC501	POWER MODULE	X65A	RELAY
IC801	POWER DEVICE	X712	RELAY
L1, L2	REACTOR	X713	RELAY
LED 1~3	LED	X714	RELAY
LEV A, B	EXPANSION VALVE COIL	21S2	2WAY VALVE SOLENOID COIL
MC	COMPRESSOR	21S4	REVERSING VALVE SOLENOID COIL
MF	FAN MOTOR	26H	HEATER PROTECTOR
PTC1~3	CIRCUIT PROTECTION		

NOTES:
 1.About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
 2.Use copper conductors only (For field wiring).
 3.Symbols below indicate.
 □ □ □ : Terminal block
 ○ ○ ○ : Connector

NOTES:
 1.À propos du câblage électrique de côté intérieur se référer à l'unité intérieure câblage schéma électrique pour l'entretien.
 2.Utiliser des conducteurs en cuivre (pour le câblage).
 3.Symbole ci-dessous indique.
 □ □ □ : Bornier
 ○ ○ ○ : Connecteur

MXZ-3C24NAH22 MXZ-3C30NAH22



SYMBOL	NAME	SYMBOL	NAME
CB1~4	SMOOTHING CAPACITOR	RT61	DEFROST THERMISTOR
D1	DIODE	RT62	DISCHARGE TEMP.THERMISTOR
F1, F2	FUSE (T6.3AL 250V)	RT64	FIN TEMP.THERMISTOR
F711	FUSE (T3.15AL 250V)	RT65	AMBIENT TEMP.THERMISTOR
HPS	HIGH PRESSURE SWITCH	RT68	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR
H	DEFROST HEATER	T801	TRANSFORMER
IC401	DIODE BRIDGE	TB1~4	TERMINAL BLOCK
IC411	POWER MODULE	X52CA, B	RELAY
IC501	POWER MODULE	X65A	RELAY
IC801	POWER DEVICE	X712	RELAY
L1, L2	REACTOR	X713	RELAY
LED 1~3	LED	X714	RELAY
LEV A~C	EXPANSION VALVE COIL	21S2	2WAY VALVE SOLENOID COIL
MC	COMPRESSOR	21S4	REVERSING VALVE SOLENOID COIL
MF	FAN MOTOR	26H	HEATER PROTECTOR
PTC1~3	CIRCUIT PROTECTION		

NOTES:

- 1.About the indoor side electric wiring refer to the indoor unit electric wiring diagram for servicing.
- 2.Use copper conductors only (For field wiring).
- 3.Symbols below indicate.
 : Terminal block
 : Connector

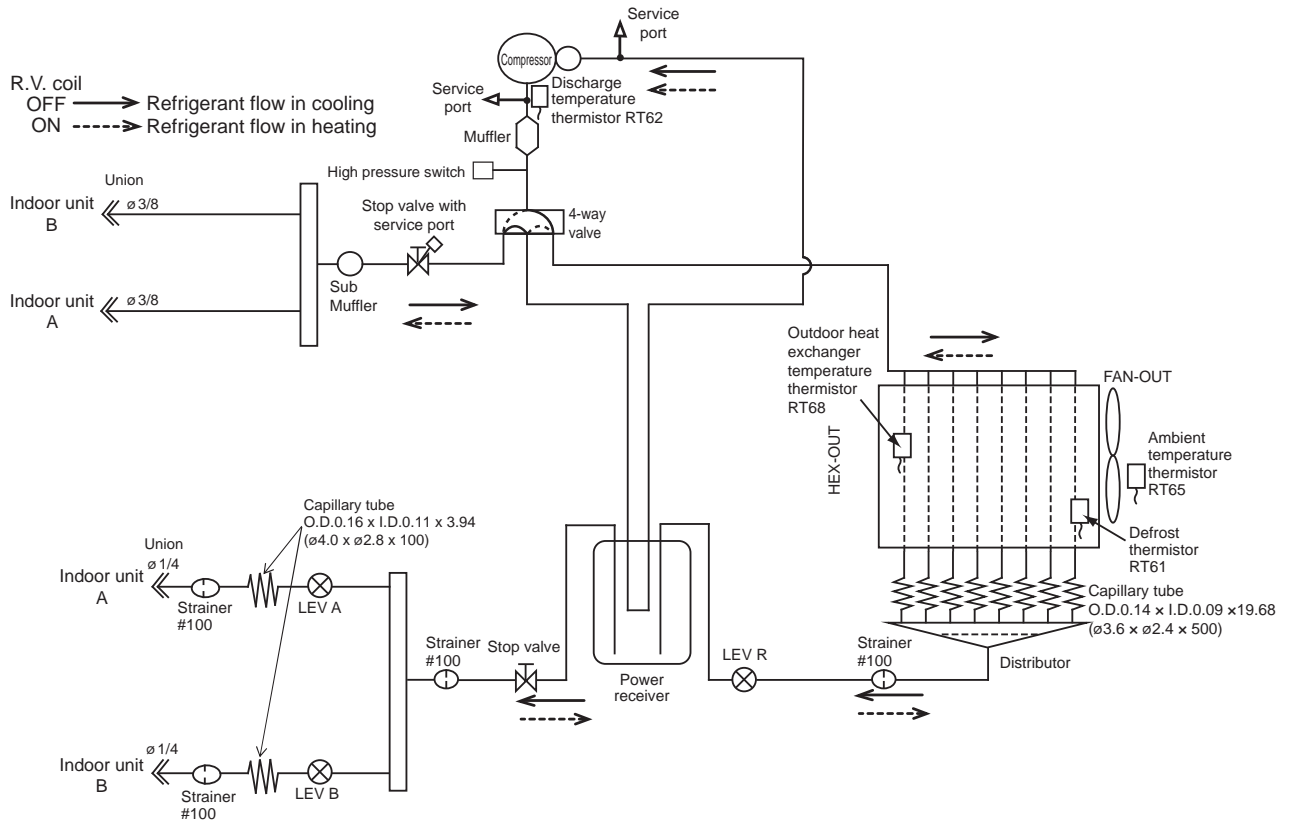
NOTES:

- 1.À propos du câblage électrique de côté intérieur se référer à l'unité intérieure schéma électrique pour l'entretien.
- 2.Utiliser des conducteurs en cuivre (pour le câblage).
- 3.Symbole ci-dessous indique.
 : Bornier
 : Connecteur

6 | REFRIGERANT SYSTEM DIAGRAM

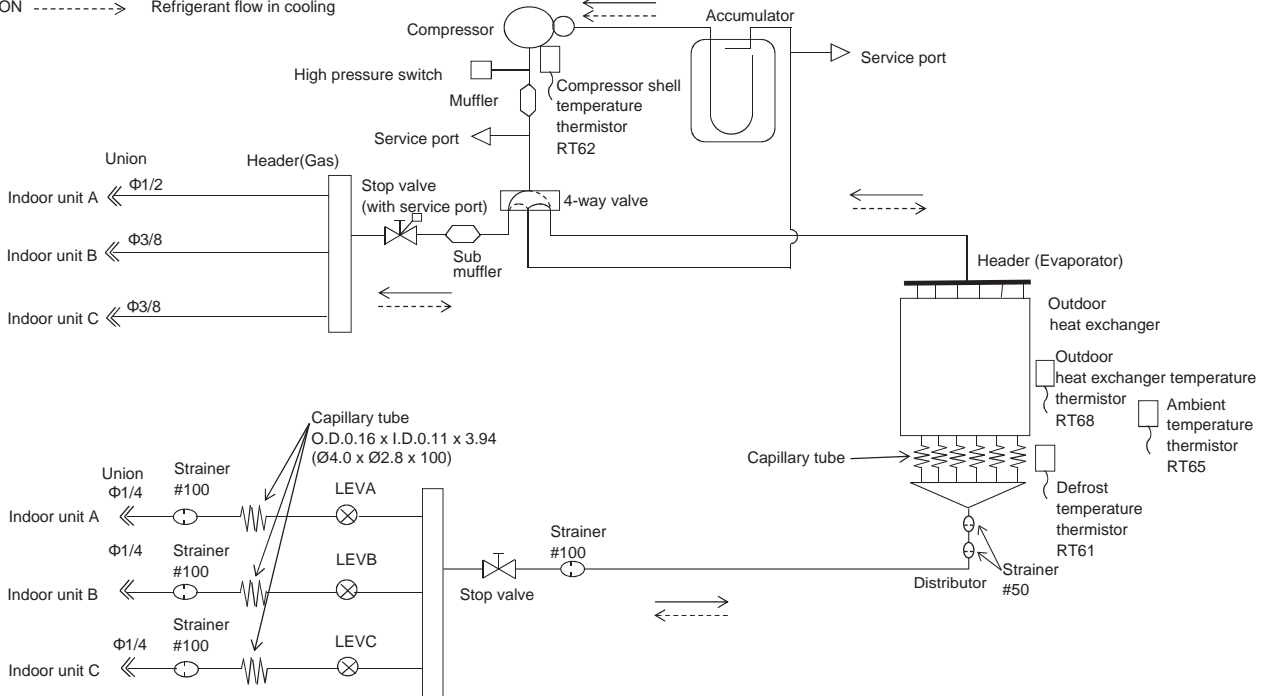
6-1. OUTDOOR UNIT MXZ-2C20NA2

Unit: inch (mm)



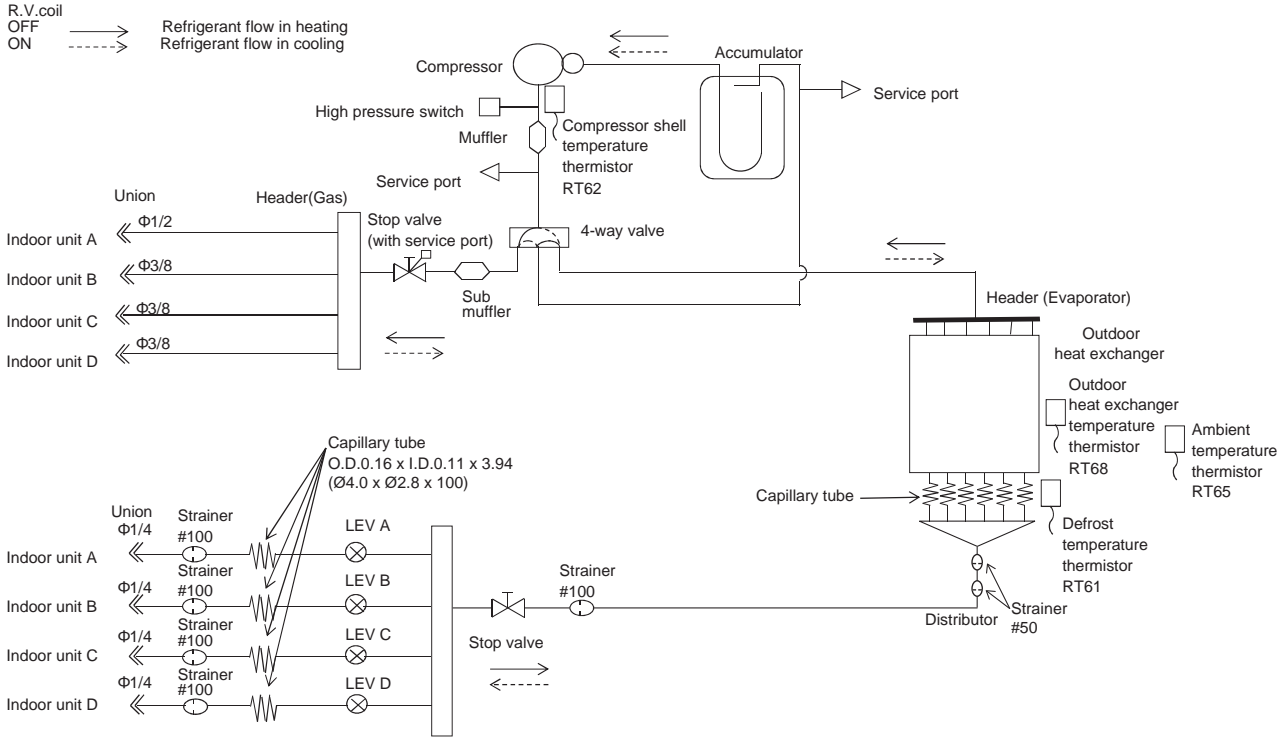
MXZ-3C24NA2 MXZ-3C30NA2

R.V. coil
OFF → Refrigerant flow in heating
ON → Refrigerant flow in cooling

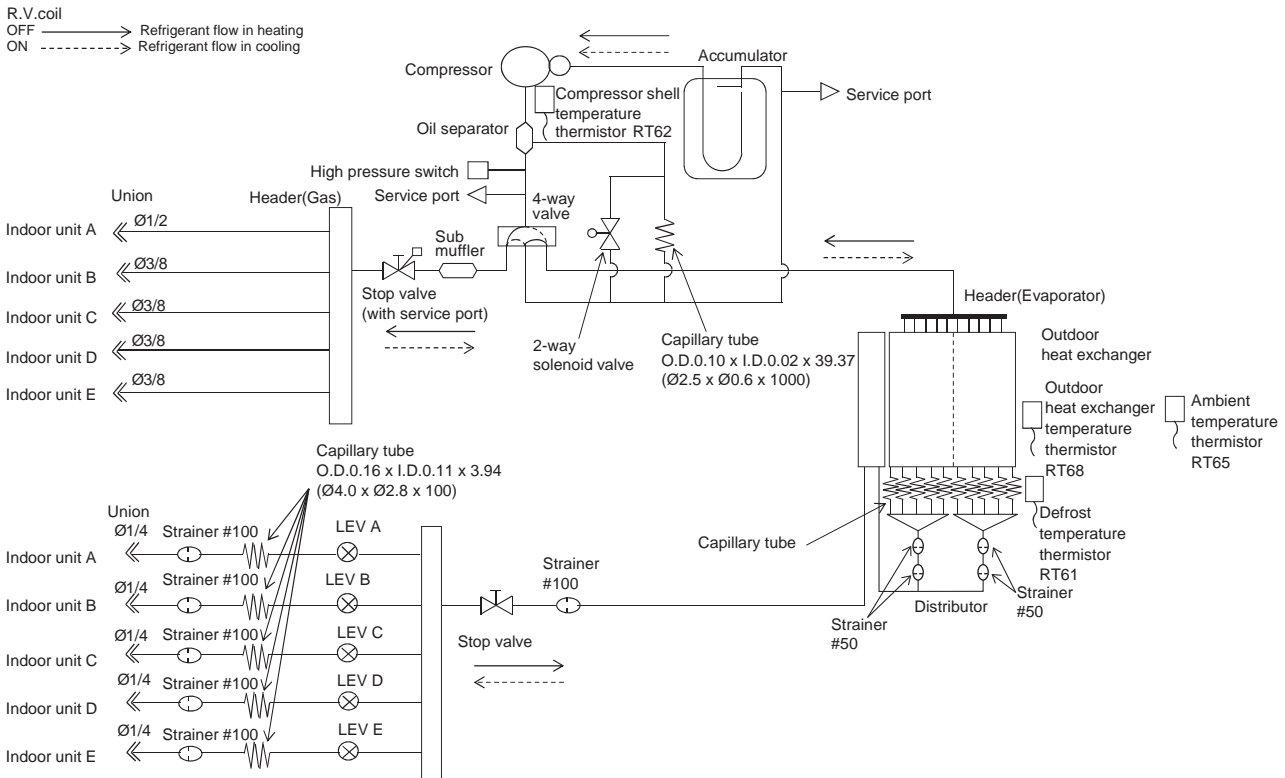


MXZ-4C36NA2

Unit: inch (mm)



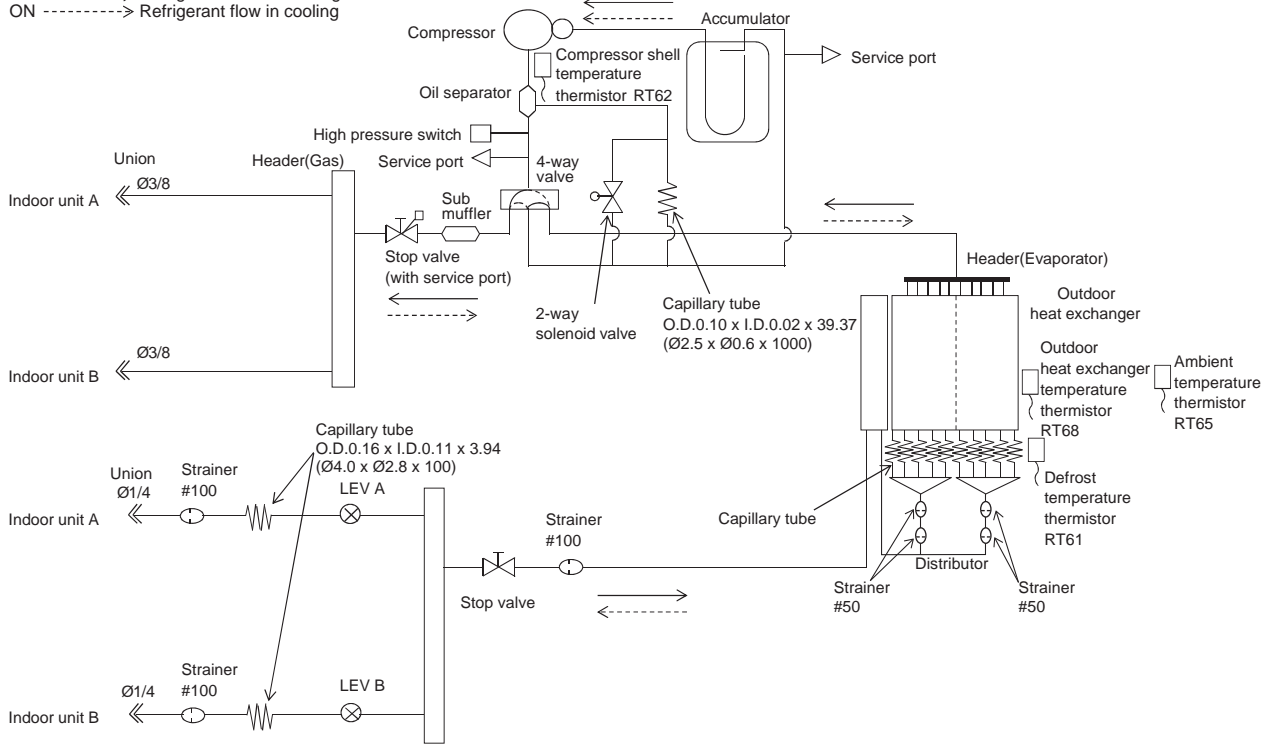
MXZ-5C42NA2



MXZ-2C20NAHZ2

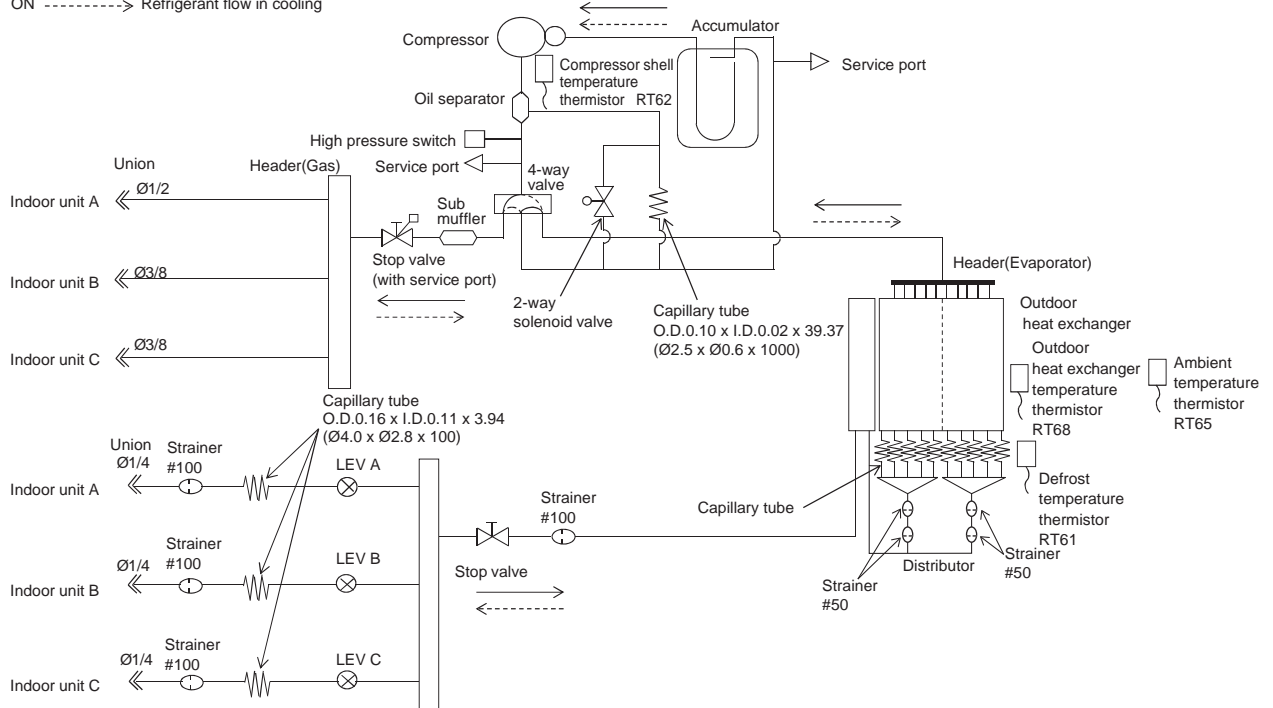
Unit: inch (mm)

R.V.coil
 OFF → Refrigerant flow in heating
 ON -----> Refrigerant flow in cooling



MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

R. V. coil
 OFF → Refrigerant flow in heating
 ON -----> Refrigerant flow in cooling



7 | CORRECTION FACTORS

MXZ-2C20NA2

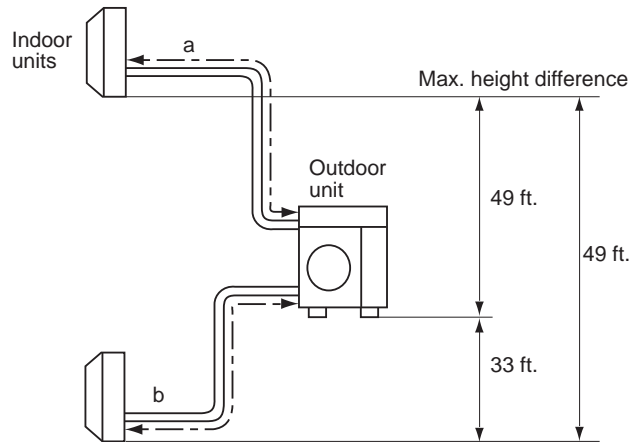
Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b)	82 ft. MAX.
Total piping length (a+b)	164 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	50 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	3/8
Indoor unit B	Liquid	1/4
	Gas	3/8

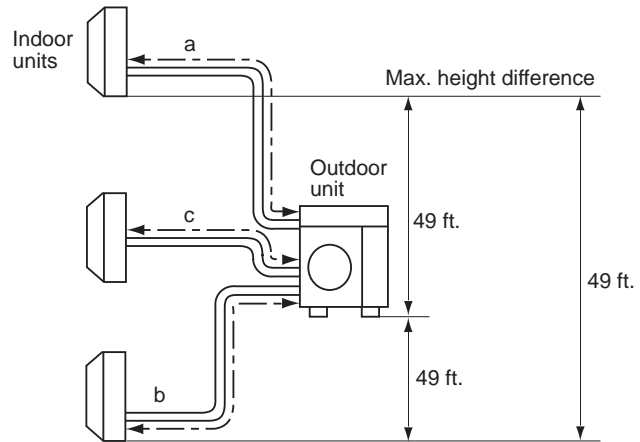
MXZ-3C24NA2 MXZ-3C30NA2 Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c)	82 ft. MAX.
Total piping length (a+b+c)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit : inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8

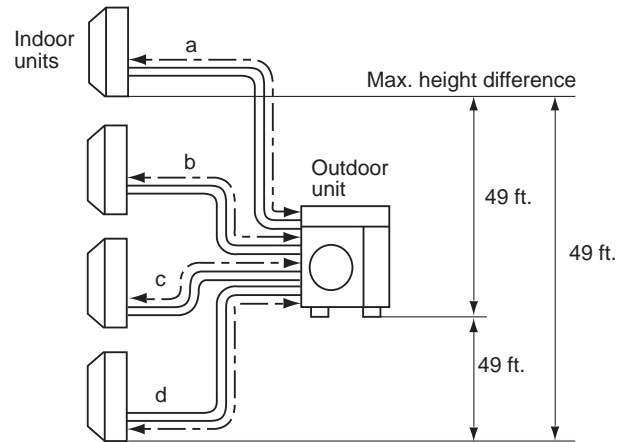
MXZ-4C36NA2 Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c, d)	82 ft. MAX.
Total piping length (a+b+c+d)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit : inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8
Indoor unit D	Liquid	1/4
	Gas	3/8

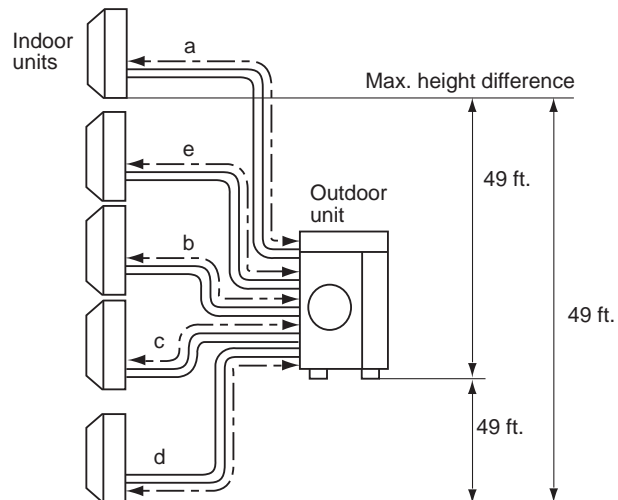
MXZ-5C42NA2 Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	6°FDB, 5°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c, d, e)	82 ft. MAX.
Total piping length (a+b+c+d+e)	262 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	80 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit : inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8
Indoor unit D	Liquid	1/4
	Gas	3/8
Indoor unit E	Liquid	1/4
	Gas	3/8

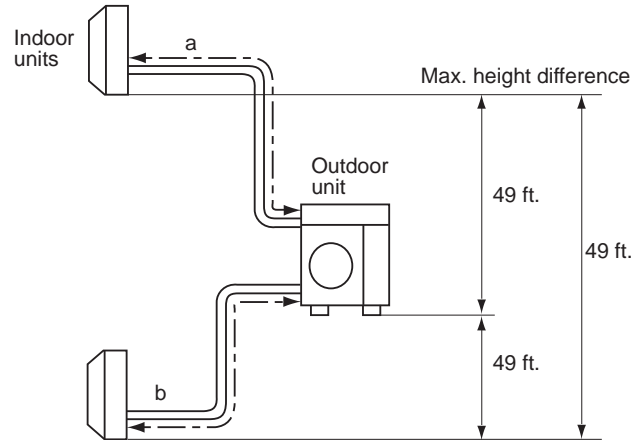
MXZ-2C20NAHZ2 Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	-12°FDB, -13°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b)	82 ft. MAX.
Total piping length (a+b)	164 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	50 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit: inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	3/8
Indoor unit B	Liquid	1/4
	Gas	3/8

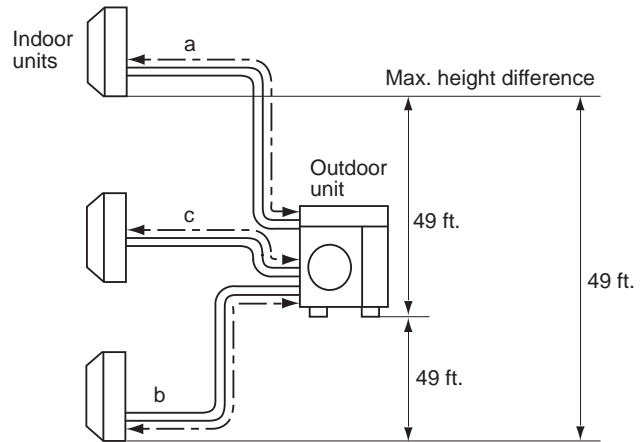
MXZ-3C24NAHZ2 MXZ-3C30NAHZ2 Operating Range

		Indoor intake air temperature	Outdoor intake air temperature
Cooling	Maximum	95°FDB, 71°FWB	115°FDB
	Minimum	67°FDB, 57°FWB	14°FDB
Heating	Maximum	80°FDB, 67°FWB	75°FDB, 65°FWB
	Minimum	70°FDB, 60°FWB	-12°FDB, -13°FWB

MAX. REFRIGERANT PIPING LENGTH & PIPE SIZE SELECTION

Piping length each indoor unit (a, b, c)	82 ft. MAX.
Total piping length (a+b+c)	230 ft. MAX.
Bending point for each unit	25 MAX.
Total bending point	70 MAX.

*It is irrelevant which unit is higher.



- Refrigerant pipe diameter is different according to indoor unit to be connected. When using extension pipes, refer to the tables below.
- When the diameter of refrigerant pipe is different from that of outdoor unit union, use optional Different-diameter pipe.

Unit : inch

Outdoor unit union diameter		
For		
Indoor unit A	Liquid	1/4
	Gas	1/2
Indoor unit B	Liquid	1/4
	Gas	3/8
Indoor unit C	Liquid	1/4
	Gas	3/8

8 | DATA

8-1. STANDARD OPERATION DATA

Model				MXZ-2C20NA2			
Indoor type				Non-Duct (09+09)		Duct (09+12)	
Item		Unit		Cooling	Heating	Cooling	Heating
Total	Capacity	Btu/h		18,000	22,000	20,000	22,000
	SHF	-		-	-	-	-
	Input	kW		1.417	1.641	2.000	1.771
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input	kW		1.373	1.597	1.880	1.691
	Comp. current (208/230V)	A		6.82/6.17	8.03/7.26	9.61/8.69	8.55/7.73
	Fan motor current	A		0.2	0.2	0.2	0.2
Refrigerant circuit	Condensing pressure	PSIG		396	328	419	351
	Suction pressure	PSIG		146	94	130	100
	Discharge temperature	°F		174	165	170	168
	Condensing temperature	°F		116	100	160	101
	Suction temperature	°F		74	47	55	49
	Comp. shell bottom temp.	°F		173	163	160	157
	Ref. pipe length [Total pipe length for multi-system]	ft		25 [50]			
	Refrigerant charge (R410A)	-		5 lb. 15 oz.			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm		650	700	650	700
	Airflow	CFM		1,342	1,458	1,342	1,458

Model				MXZ-3C24NA2			
Indoor type				Non-Duct (06+06+09)		Duct (09+09+09)	
Item		Unit		Cooling	Heating	Cooling	Heating
Total	Capacity	Btu/h		22,000	25,000	23,600	24,600
	SHF	-		-	-	-	-
	Input	kW		1.62	1.75	2.10	1.90
Electrical circuit	Power supply (V, phase, Hz)			208/230, 1, 60			
	Input	kW		1.554	1.684	1.920	1.780
	Comp. current (208/230V)	A		7.47 / 6.76	8.1 / 7.32	9.23 / 8.35	8.56 / 7.74
	Fan motor current	A		0.3	0.3	0.3	0.3
Refrigerant circuit	Condensing pressure	PSIG		395	310	419	345
	Suction pressure	PSIG		162	101	138	102
	Discharge temperature	°F		143	137	155	141
	Condensing temperature	°F		116	98	120	106
	Suction temperature	°F		59	36	50	34
	Comp. shell bottom temp.	°F		137	128	146	131
	Ref. pipe length [Total pipe length for multi-system]	ft		25[75]			
	Refrigerant charge (R410A)	-		6lb. 13oz.			
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm		720	750	720	750
	Airflow	CFM		2,287	2,382	2,287	2,382

Model			MXZ-3C30NA2				
Indoor type			Non-Duct (09+09+12)		Duct (09+09+12)		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	28,400	28,600	27,400	27,600	
	SHF	–	–	–	–	–	
	Input	kW	2.68	2.15	2.84	2.22	
Electrical circuit	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	2.614	2.084	2.650	2.090	
	Comp. current (208/230V)	A	12.57 / 11.37	10.02 / 9.06	12.74 / 11.52	10.05 / 9.09	
	Fan motor current	A	0.3	0.3	0.3	0.3	
Refrigerant circuit	Condensing pressure	PSIG	432	323	439	323	
	Suction pressure	PSIG	137	97	132	99	
	Discharge temperature	°F	159	136	165	136	
	Condensing temperature	°F	122	101	124	101	
	Suction temperature	°F	49	32	47	32	
	Comp. shell bottom temp.	°F	145	121	156	128	
	Ref. pipe length [Total pipe length for multi-system]	ft	25[75]				
	Refrigerant charge (R410A)	–	6 lb.13 oz.				
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm	720	750	720	750	
	Airflow	CFM	2,287	2,382	2,287	2,382	

Model			MXZ-4C36NA2				
Indoor type			Non-Duct (09+09+09+09)		Duct (09+09+09+09)		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	35,400	36,000	34,400	34,400	
	SHF	–	–	–	–	–	
	Input	kW	3.76	3.02	3.94	3.10	
Electrical circuit	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	3.672	2.932	3.700	2.940	
	Comp. current (208/230V)	A	17.65 / 15.97	14.1 / 12.75	17.79 / 16.09	14.13 / 12.78	
	Fan motor current	A	0.3	0.3	0.3	0.3	
Refrigerant circuit	Condensing pressure	PSIG	461	297	470	334	
	Suction pressure	PSIG	141	89	129	91	
	Discharge temperature	°F	172	138	176	147	
	Condensing temperature	°F	127	95	129	103	
	Suction temperature	°F	51	28	46	29	
	Comp. shell bottom temp.	°F	162	130	165	139	
	Ref. pipe length [Total pipe length for multi-system]	ft	25[100]				
	Refrigerant charge (R410A)	–	6 lb.13 oz.				
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm	720	750	720	750	
	Airflow	CFM	2,287	2,382	2,287	2,382	

Model			MXZ-5C42NA2				
Indoor type			Non-Duct (06+09+09+09+09)		Duct (09+09+09+09+09)		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	40,500	45,000	37,500	41,000	
	SHF	-	-	-	-	-	
	Input	kW	4.41	3.58	4.12	3.47	
Electrical circuit	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	4.300	3.465	3.870	3.270	
	Comp. current (208/230V)	A	20.67/18.7	16.66/15.07	18.61/16.83	15.72/14.22	
	Fan motor current	A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39	
Refrigerant circuit	Condensing pressure	PSIG	466	305	446	326	
	Suction pressure	PSIG	153	93	137	98	
	Discharge temperature	°F	172	155	165	143	
	Condensing temperature	°F	127	97	124	102	
	Suction temperature	°F	53	27	47	29	
	Comp. shell bottom temp.	°F	156	138	145	121	
	Ref. pipe length [Total pipe length for multi-system]	ft	25 [80]				
	Refrigerant charge (R410A)	-	8 lb. 13 oz.				
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm	630	730	630	730	
	Airflow	CFM	2,118	2,542	2,118	2,542	


Model			MXZ-2C20NAHZ2				
Indoor type			Non-Duct (09+09)		Duct (09+12)		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	18,000	22,000	20,000	22,000	
	SHF	-	-	-	-	-	
	Input	kW	1.34	1.62	1.82	1.75	
Electrical circuit	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	1.296	1.574	1.670	1.660	
	Comp. current (208/230V)	A	6.23/5.63	7.57/6.84	8.03/7.26	7.98/7.22	
	Fan motor current	A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39	
Refrigerant circuit	Condensing pressure	PSIG	406	341	406	334	
	Suction pressure	PSIG	154	110	133	113	
	Discharge temperature	°F	158	131	148	141	
	Condensing temperature	°F	108	105	112	103	
	Suction temperature	°F	60	37	46	37	
	Comp. shell bottom temp.	°F	137	107	127	117	
	Ref. pipe length [Total pipe length for multi-system]	ft	25 [50]				
	Refrigerant charge (R410A)	-	8 lb. 13 oz.				
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm	630	730	630	730	
	Airflow	CFM	2,118	2,542	2,118	2,542	

Model			MXZ-3C24NAHZ2				
Indoor type			Non-Duct (06+06+09)		Duct (09+09+09)		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	22,000	25,000	23,600	24,600	
	SHF	-	-	-	-	-	
	Input	kW	1.63	1.73	2.36	1.88	
Electrical circuit	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	1.564	1.661	2.180	1.760	
	Comp. current (208/230V)	A	7.52/6.8	7.99/7.22	10.48/9.48	8.46/7.65	
	Fan motor current	A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39	
Refrigerant circuit	Condensing pressure	PSIG	397	302	377	329	
	Suction pressure	PSIG	164	106	136	109	
	Discharge temperature	°F	144	122	152	127	
	Condensing temperature	°F	114	97	115	103	
	Suction temperature	°F	59	42	48	36	
	Comp. shell bottom temp.	°F	128	105	136	109	
	Ref. pipe length [Total pipe length for multi-system]	ft	25 [70]				
	Refrigerant charge (R410A)	-	8 lb. 13 oz.				
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm	630	730	630	730	
	Airflow	CFM	2,118	2,542	2,118	2,542	

Model			MXZ-3C30NAHZ2				
Indoor type			Non-Duct (09+09+12)		Duct (09+09+12)		
Item		Unit	Cooling	Heating	Cooling	Heating	
Total	Capacity	Btu/h	28,400	28,600	27,400	27,600	
	SHF	-	-	-	-	-	
	Input	kW	2.28	2.10	2.67	2.19	
Electrical circuit	Power supply (V, phase, Hz)		208/230, 1, 60				
	Input	kW	2.214	2.031	2.480	2.060	
	Comp. current (208/230V)	A	10.64/9.63	9.76/8.83	11.92/10.78	9.9/8.96	
	Fan motor current	A	0.43/0.39	0.43/0.39	0.43/0.39	0.43/0.39	
Refrigerant circuit	Condensing pressure	PSIG	404	321	416	329	
	Suction pressure	PSIG	146	103	131	107	
	Discharge temperature	°F	146	131	153	128	
	Condensing temperature	°F	117	101	118	103	
	Suction temperature	°F	52	35	45	35	
	Comp. shell bottom temp.	°F	129	111	135	108	
	Ref. pipe length [Total pipe length for multi-system]	ft	25 [70]				
	Refrigerant charge (R410A)	-	8 lb. 13 oz.				
Outdoor unit	Intake air temperature	DB	°F	95	47	95	47
		WB	°F	-	43	-	43
	Fan speed	rpm	650	730	650	730	
	Airflow	CFM	2,224	2,542	2,224	2,542	

8-2. OPERATING RANGE

(1) POWER SUPPLY

	Model	Rating	Guaranteed Voltage
Outdoor unit	MXZ-2C20NA2 MXZ-2C20NAHZ2 MXZ-3C24NA2 MXZ-3C24NAHZ2 MXZ-3C30NA2 MXZ-3C30NAHZ2 MXZ-4C36NA2 MXZ-5C42NA2	208/230 V 60 Hz 1 ϕ	Min. 198 V 208 V 230 V Max. 253 V 

(2) OPERATION

Function	Intake air temperature Condition	Indoor		Outdoor	
		DB (°F)	WB (°F)	DB (°F)	WB (°F)
Cooling	"A" Cooling steady state at rated compressor speed	80	67	95	(75)
	"B-2" Cooling steady state at rated compressor speed	80	67	82	(65)
	"B-1" Cooling steady state at minimum compressor speed	80	67	82	(65)
	Low ambient cooling steady state at minimum compressor speed	80	67	67	(53.5)
	Intermediate cooling steady state at intermediate compressor speed	80	67	87	(69)
Heating	Standard rating-heating at rated compressor speed	70	60	47	43
	Low temperature heating at rated compressor speed	70	60	17	15
	Max. temperature heating at minimum compressor speed	70	60	62	56.5
	High temperature heating at minimum compressor speed	70	60	47	43
	Frost accumulation at rated compressor speed	70	60	35	33
	Frost accumulation at intermediate compressor speed	70	60	35	33

8-3. PERFORMANCE CURVES

**MXZ-2C20NA2 MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2 MXZ-5C42NA2
MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2**

The standard specifications apply only to the operation of the air conditioner under normal conditions.

Since operating conditions vary according to the areas where these units are installed, the following information has been provided to clarify the operating characteristics of the air conditioner under the conditions indicated by the performance curve.

(1) GUARANTEED VOLTAGE

198 ~ 253 V 60 Hz

(2) AIR FLOW

Air flow should be set at MAX.

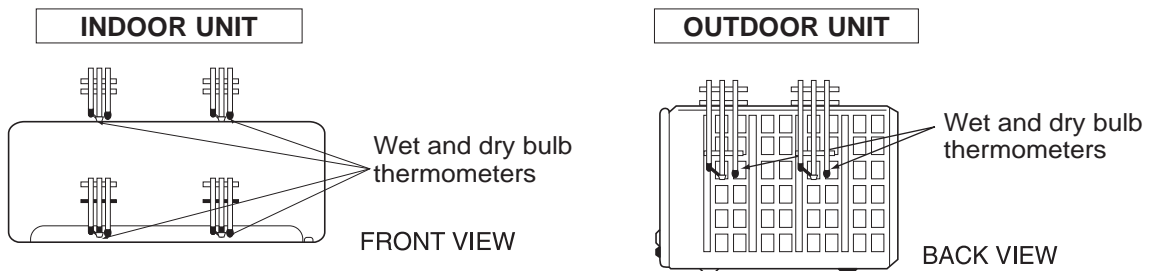
(3) MAIN READINGS

- | | | |
|---|------|-----------|
| (1) Indoor intake air wet-bulb temperature : | °FWB | } Cooling |
| (2) Indoor outlet air wet-bulb temperature : | °FWB | |
| (3) Outdoor intake air dry-bulb temperature : | °FDB | |
| (4) Total input: | W | |
| (5) Indoor intake air dry-bulb temperature : | °FDB | } Heating |
| (6) Outdoor intake air wet-bulb temperature : | °FWB | |
| (7) Total input : | W | |

Indoor air wet and dry bulb temperature difference on the left side of the following chart shows the difference between the indoor intake air wet and dry bulb temperature and the indoor outlet air wet and dry bulb temperature for your reference at service.

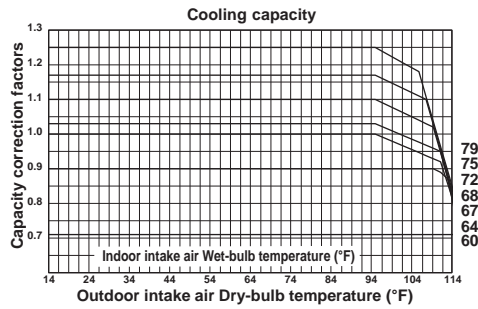
How to measure the indoor air wet and dry bulb temperature difference

1. Attach at least 2 sets of wet and dry bulb thermometers to the indoor air intake as shown in the figure, and at least 2 sets of wet and dry bulb thermometers to the indoor air outlet. The thermometers must be attached to the position where air speed is high.
2. Attach at least 2 sets of wet and dry bulb thermometers to the outdoor air intake. Cover the thermometers to prevent direct rays of the sun.
3. Check that the air filter is cleaned.
4. Open windows and doors of room.
5. Press the EMERGENCY OPERATION switch once (twice) to start the EMERGENCY COOL (HEAT) MODE.
6. Compressor starts running at 33 Hz (COOL) or 45 Hz (HEAT). The frequency at each operation mode is fixed.
7. When system stabilizes after more than 15 minutes, measure temperature and take an average temperature.
8. 10 minutes later, measure temperature again and check that the temperature does not change.

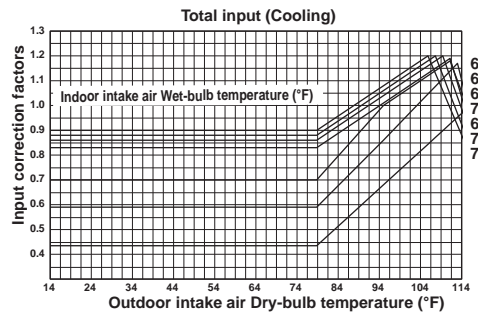


8-3-1. Capacity and the input curves MXZ-2C20NA2

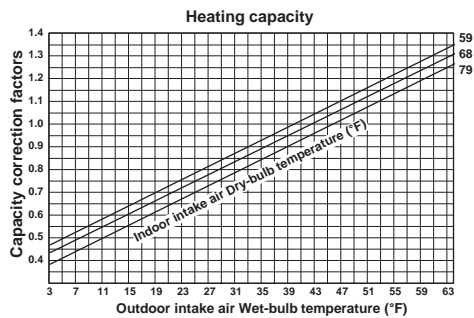
6.8	9.6	11.7	11.4
6.2	8.8	10.7	10.5
5.7	8.0	9.7	9.5
5.1	7.2	8.7	8.5
4.6	6.5	7.8	7.6
4.1	5.8	6.9	6.7
3.6	5.1	6.0	5.8
06 class	09 class	12 class	15 class



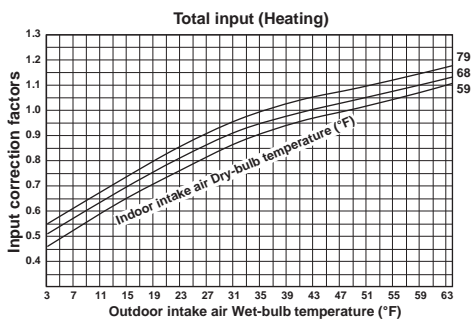
6.8	9.6	11.7	11.4
6.2	8.8	10.7	10.5
5.7	8.0	9.7	9.5
5.1	7.2	8.7	8.5
4.6	6.5	7.8	7.6
4.1	5.8	6.9	6.7
3.6	5.1	6.0	5.8
3.1	4.4	5.1	4.9
2.6	3.7	4.2	4.0
2.1	3.0	3.3	3.1
06 class	09 class	12 class	15 class



26.1	36.7	48.2	52.8
24.3	34.0	44.8	49.1
22.5	31.3	41.4	45.4
20.5	28.8	38.0	41.6
18.5	25.7	34.0	37.4
16.6	23.2	30.6	33.7
14.8	20.7	27.2	29.9
13.0	18.0	24.1	26.5
11.0	15.3	20.2	22.1
9.2	13.0	17.1	18.7
7.4	10.3	13.5	14.8
06 class	09 class	12 class	15 class

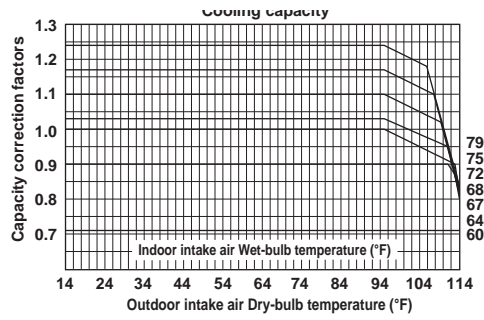


24.3	34.0	44.8	49.1
22.5	31.3	41.4	45.4
20.5	28.8	38.0	41.6
18.5	25.7	34.0	37.4
16.6	23.2	30.6	33.7
14.8	20.7	27.2	29.9
13.0	18.0	24.1	26.5
11.0	15.3	20.2	22.1
9.2	13.0	17.1	18.7
7.4	10.3	13.5	14.8
06 class	09 class	12 class	15 class

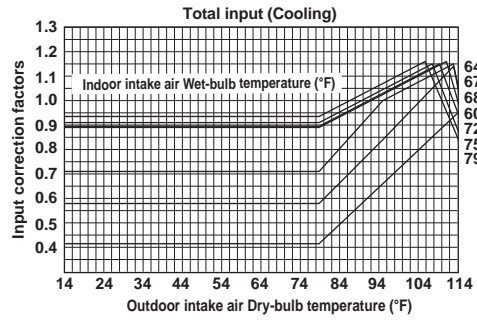


MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

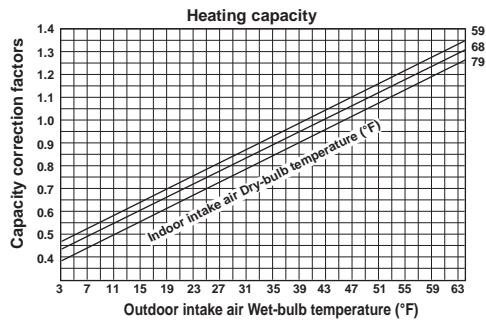
6.8	9.6	11.7	11.4	14.5	13.2
6.2	8.8	10.7	10.5	13.2	12.1
5.7	8.0	9.7	9.5	12.0	10.9
5.1	7.2	8.7	8.5	10.7	9.8
4.6	6.5	7.8	7.6	9.5	8.7
4.1	5.8	6.9	6.7	8.3	7.6
3.6	5.1	6.0	5.8	7.1	6.5
06 class	09 class	12 class	15 class	18 class	24 class



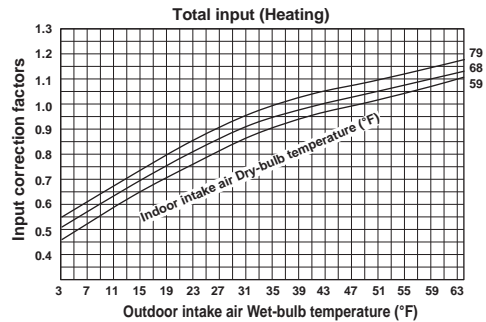
6.8	9.6	11.7	11.4	14.5	13.2
6.2	8.8	10.7	10.5	13.2	12.1
5.7	8.0	9.7	9.5	12.0	10.9
5.1	7.2	8.7	8.5	10.7	9.8
4.6	6.5	7.8	7.6	9.5	8.7
4.1	5.8	6.9	6.7	8.3	7.6
3.6	5.1	6.0	5.8	7.1	6.5
3.1	4.4	5.1	4.9	5.9	5.4
2.6	3.7	4.2	4.0	4.7	4.3
2.1	3.0	3.3	3.1	3.5	3.2
06 class	09 class	12 class	15 class	18 class	24 class



26.1	36.7	48.2	52.8	56.5	42.9
24.3	34.0	44.8	49.1	52.8	39.8
22.5	31.3	41.4	45.4	49.1	36.7
20.5	28.8	38.0	41.6	45.2	33.7
18.5	25.7	34.0	37.4	40.5	30.2
16.6	23.2	30.6	33.7	36.5	27.2
14.8	20.7	27.2	29.9	32.4	24.1
13.0	18.0	24.1	26.5	29.0	21.4
11.0	15.3	20.2	22.1	24.1	18.0
9.2	13.0	17.1	18.7	20.5	15.1
7.4	10.3	13.5	14.8	16.0	11.9
06 class	09 class	12 class	15 class	18 class	24 class



24.3	34.0	44.8	49.1	52.8	39.8
22.5	31.3	41.4	45.4	49.1	36.7
20.5	28.8	38.0	41.6	45.2	33.7
18.5	25.7	34.0	37.4	40.5	30.2
16.6	23.2	30.6	33.7	36.5	27.2
14.8	20.7	27.2	29.9	32.4	24.1
13.0	18.0	24.1	26.5	29.0	21.4
11.0	15.3	20.2	22.1	24.1	18.0
9.2	13.0	17.1	18.7	20.5	15.1
7.4	10.3	13.5	14.8	16.0	11.9
06 class	09 class	12 class	15 class	18 class	24 class



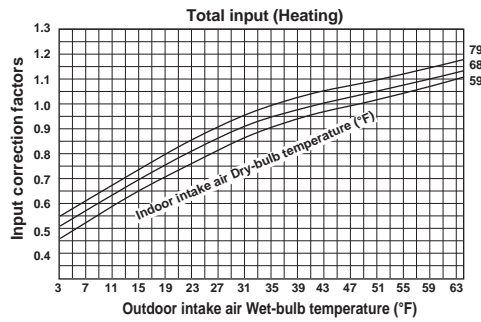
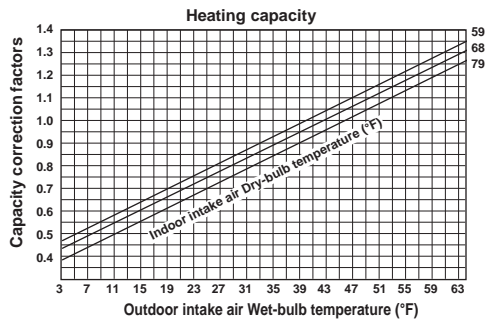
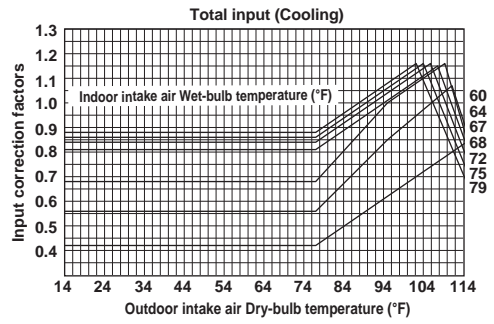
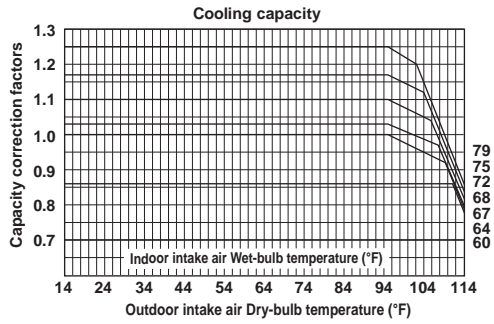
MXZ-5C42NA2

6.8	9.6	11.7	11.4	14.5	13.2
6.2	8.8	10.7	10.5	13.2	12.1
5.7	8.0	9.7	9.5	12.0	10.9
5.1	7.2	8.7	8.5	10.7	9.8
4.6	6.5	7.8	7.6	9.5	8.7
4.1	5.8	6.9	6.7	8.3	7.6
3.6	5.1	6.0	5.8	7.1	6.5
06 class	09 class	12 class	15 class	18 class	24 class

6.8	9.6	11.7	11.4	14.5	13.2
6.2	8.8	10.7	10.5	13.2	12.1
5.7	8.0	9.7	9.5	12.0	10.9
5.1	7.2	8.7	8.5	10.7	9.8
4.6	6.5	7.8	7.6	9.5	8.7
4.1	5.8	6.9	6.7	8.3	7.6
3.6	5.1	6.0	5.8	7.1	6.5
3.1	4.4	5.1	4.9	5.9	5.4
2.6	3.7	4.2	4.0	4.7	4.3
2.1	3.0	3.3	3.1	3.5	3.2
06 class	09 class	12 class	15 class	18 class	24 class

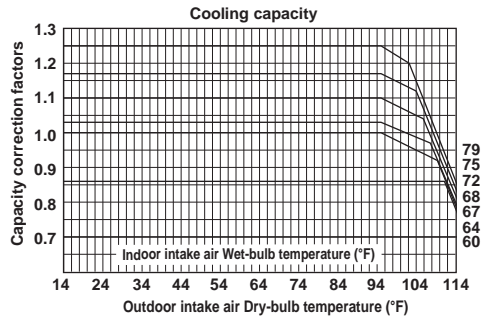
26.1	36.7	48.2	52.8	56.5	42.9
24.3	34.0	44.8	49.1	52.8	39.8
22.5	31.3	41.4	45.4	49.1	36.7
20.5	28.8	38.0	41.6	45.2	33.7
18.5	25.7	34.0	37.4	40.5	30.2
16.6	23.2	30.6	33.7	36.5	27.2
14.8	20.7	27.2	29.9	32.4	24.1
13.0	18.0	24.1	26.5	29.0	21.4
11.0	15.3	20.2	22.1	24.1	18.0
9.2	13.0	17.1	18.7	20.5	15.1
7.4	10.3	13.5	14.8	16.0	11.9
06 class	09 class	12 class	15 class	18 class	24 class

24.3	34.0	44.8	49.1	52.8	39.8
22.5	31.3	41.4	45.4	49.1	36.7
20.5	28.8	38.0	41.6	45.2	33.7
18.5	25.7	34.0	37.4	40.5	30.2
16.6	23.2	30.6	33.7	36.5	27.2
14.8	20.7	27.2	29.9	32.4	24.1
13.0	18.0	24.1	26.5	29.0	21.4
11.0	15.3	20.2	22.1	24.1	18.0
9.2	13.0	17.1	18.7	20.5	15.1
7.4	10.3	13.5	14.8	16.0	11.9
06 class	09 class	12 class	15 class	18 class	24 class

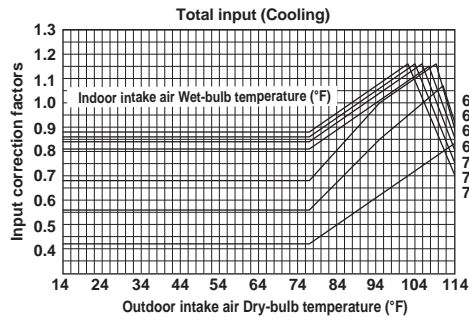


MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

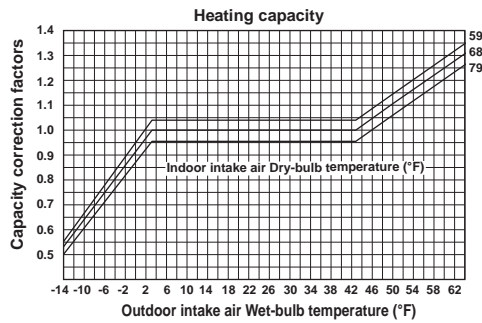
Indoor air Wet-bulb temperature difference (°F)	06 class	09 class	12 class	15 class	18 class	24 class
6.8	9.6	11.7	11.4	14.5	13.2	
6.2	8.8	10.7	10.5	13.2	12.1	
5.7	8.0	9.7	9.5	12.0	10.9	
5.1	7.2	8.7	8.5	10.7	9.8	
4.6	6.5	7.8	7.6	9.5	8.7	
4.1	5.8	6.9	6.7	8.3	7.6	
3.6	5.1	6.0	5.8	7.1	6.5	



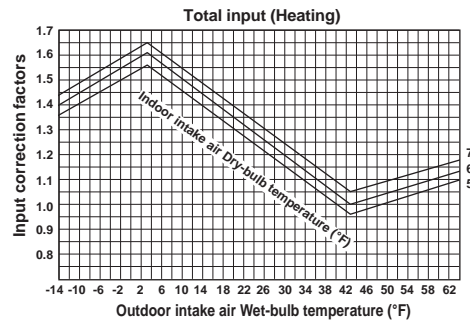
Indoor air Wet-bulb temperature difference (°F)	06 class	09 class	12 class	15 class	18 class	24 class
6.8	9.6	11.7	11.4	14.5	13.2	
6.2	8.8	10.7	10.5	13.2	12.1	
5.7	8.0	9.7	9.5	12.0	10.9	
5.1	7.2	8.7	8.5	10.7	9.8	
4.6	6.5	7.8	7.6	9.5	8.7	
4.1	5.8	6.9	6.7	8.3	7.6	
3.6	5.1	6.0	5.8	7.1	6.5	
3.1	4.4	5.1	4.9	5.9	5.4	
2.6	3.7	4.2	4.0	4.7	4.3	
2.1	3.0	3.3	3.1	3.5	3.2	



Indoor air Wet-bulb temperature difference (°F)	06 class	09 class	12 class	15 class	18 class	24 class
26.1	36.7	48.2	52.8	56.5	42.9	
24.3	34.0	44.8	49.1	52.8	39.8	
22.5	31.3	41.4	45.4	49.1	36.7	
20.5	28.8	38.0	41.6	45.2	33.7	
18.5	25.7	34.0	37.4	40.5	30.2	
16.6	23.2	30.6	33.7	36.5	27.2	
14.8	20.7	27.2	29.9	32.4	24.1	
13.0	18.0	24.1	26.5	29.0	21.4	
11.0	15.3	20.2	22.1	24.1	18.0	
9.2	13.0	17.1	18.7	20.5	15.1	



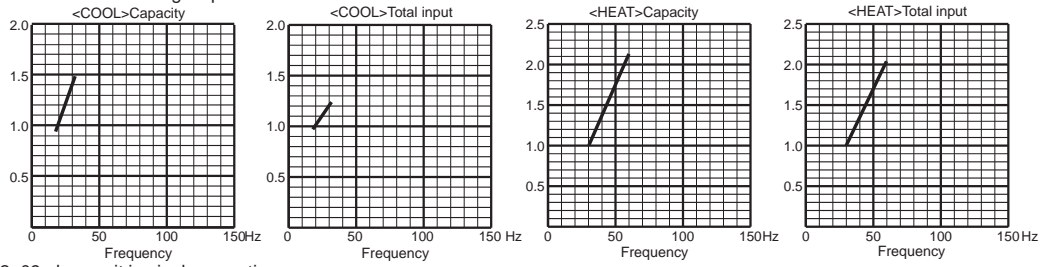
Indoor air Wet-bulb temperature difference (°F)	06 class	09 class	12 class	15 class	18 class	24 class
31.5	44.8	58.4	63.9	67.6	52.2	
29.7	42.1	55.0	60.2	63.9	49.1	
27.9	39.4	51.6	56.5	60.2	46.0	
26.1	36.7	48.2	52.8	56.5	42.9	
24.3	34.0	44.8	49.1	52.8	39.8	
22.5	31.3	41.4	45.4	49.1	36.7	
20.5	28.8	38.0	41.6	45.2	33.7	
18.5	25.7	34.0	37.4	40.5	30.2	
16.6	23.2	30.6	33.7	36.5	27.2	
14.8	20.7	27.2	29.9	32.4	24.1	



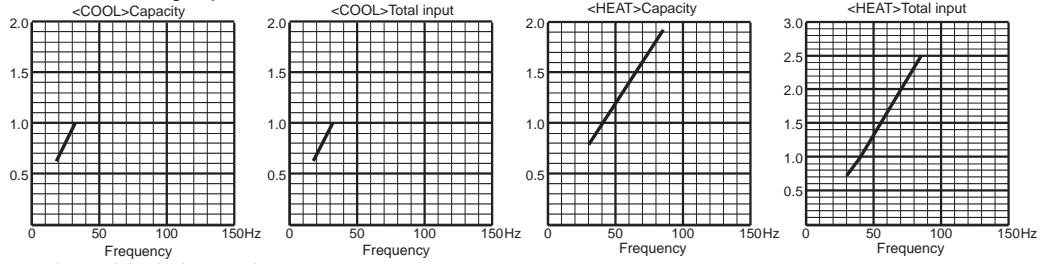
MXZ-2C20NA2

8-3-2. Capacity and input correction by means of inverter output frequency

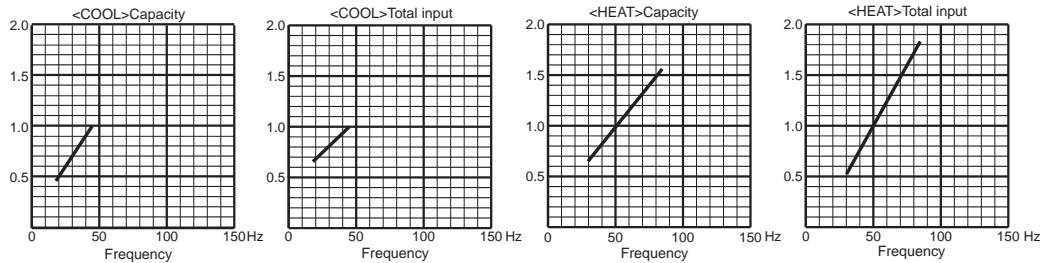
1. 06-class unit in single operation



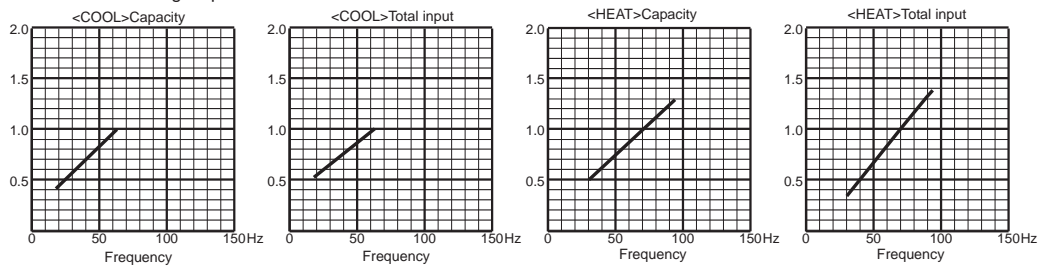
2. 09-class unit in single operation



3. 12-class unit in single operation

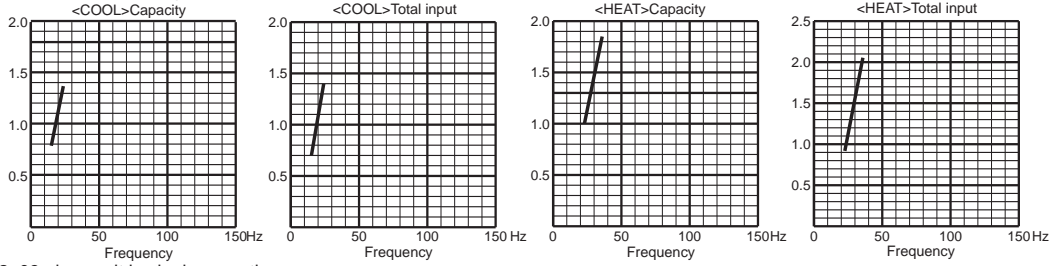


4. 15-class unit in single operation

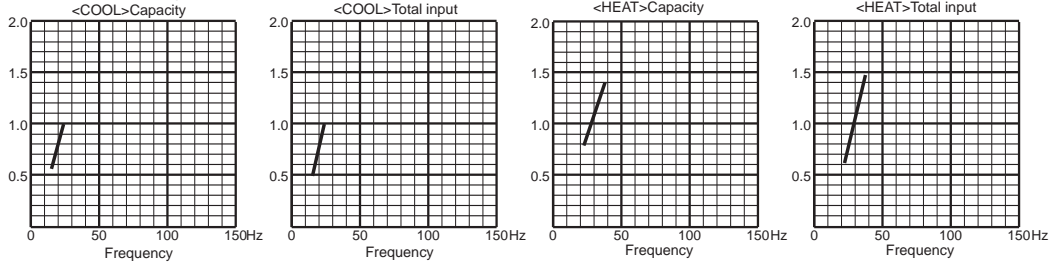


MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

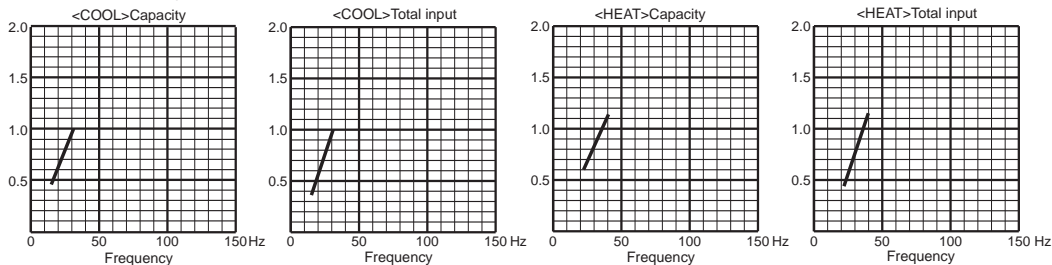
1. 06-class unit in single operation



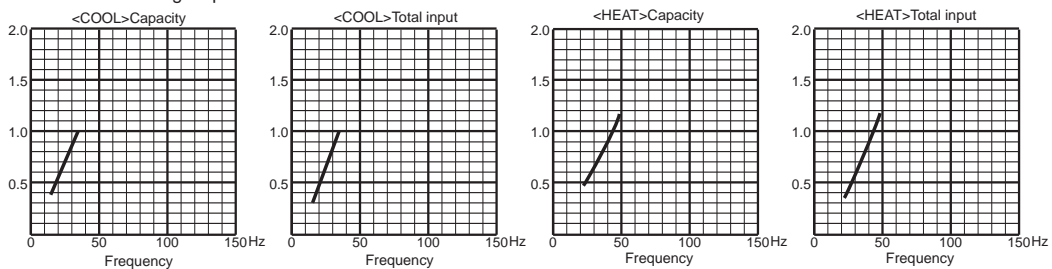
2. 09-class unit in single operation



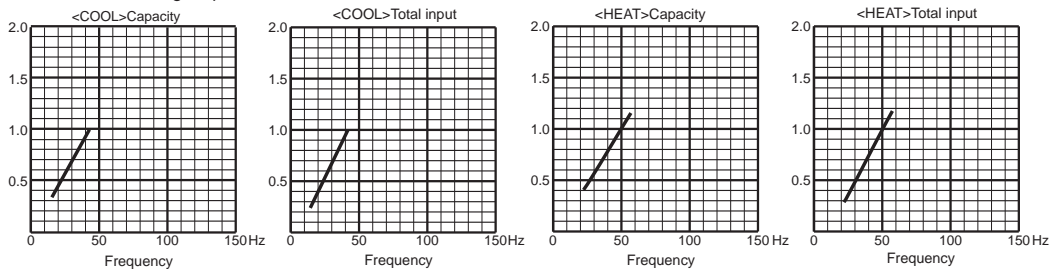
3. 12-class unit in single operation



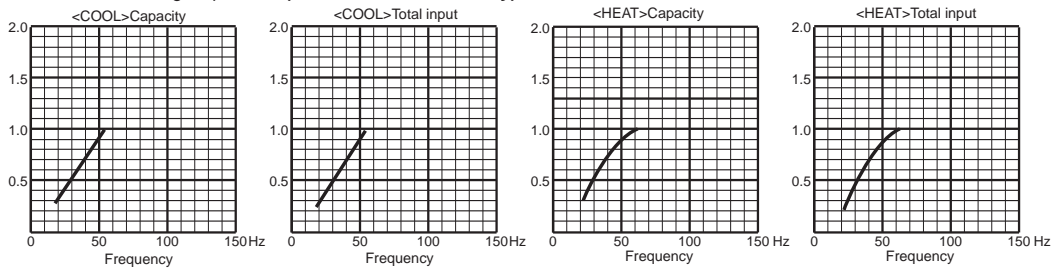
4. 15-class unit in single operation



5. 18-class unit in single operation

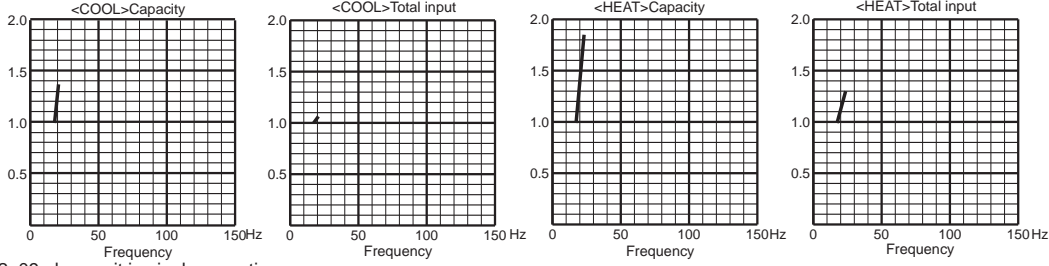


6. 24-class unit in single operation (MXZ-3C30/4C36NA2 only)

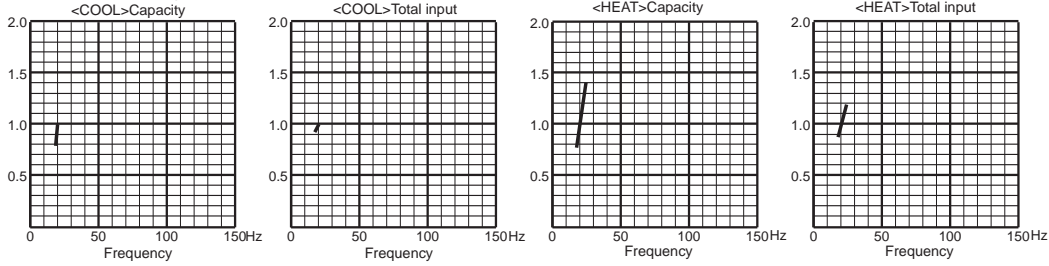


MXZ-5C42NA2 MXZ2C20NAHZ2 MXZ3C24NAHZ2 MXZ3C30NAHZ2

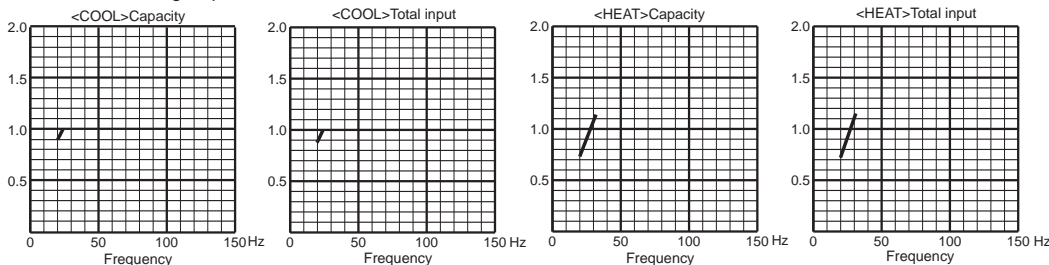
1. 06-class unit in single operation



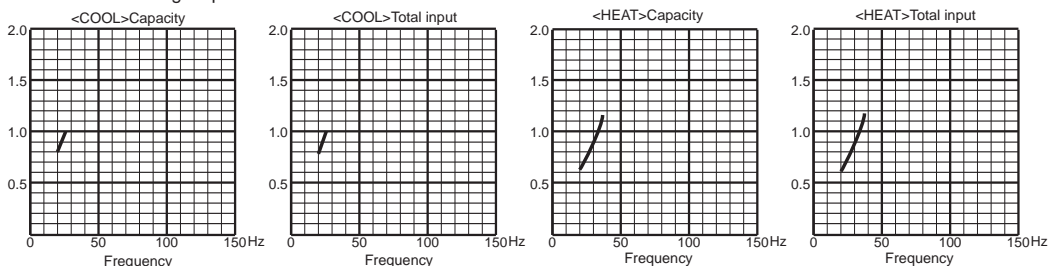
2. 09-class unit in single operation



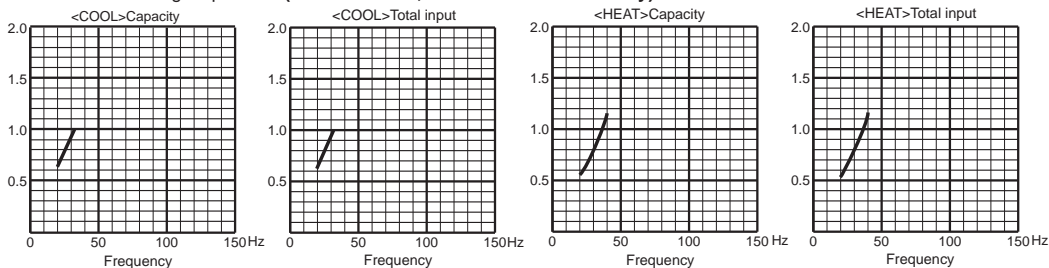
3. 12-class unit in single operation



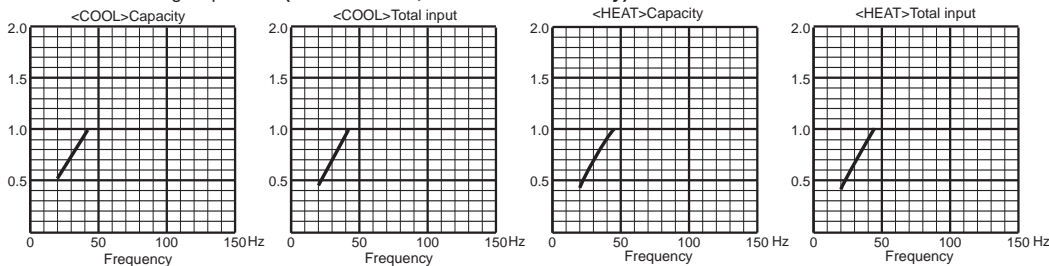
4. 15-class unit in single operation



5. 18-class unit in single operation (MXZ-5C42NA2, MXZ-3C24/30NAHZ2 only)



6. 24-class unit in single operation (MXZ-5C42NA2, MXZ-3C30NAHZ2 only)



MXZ-2C20NA2

8-3-3. OUTDOOR LOW PRESSURE AND OUTDOOR UNIT CURRENT

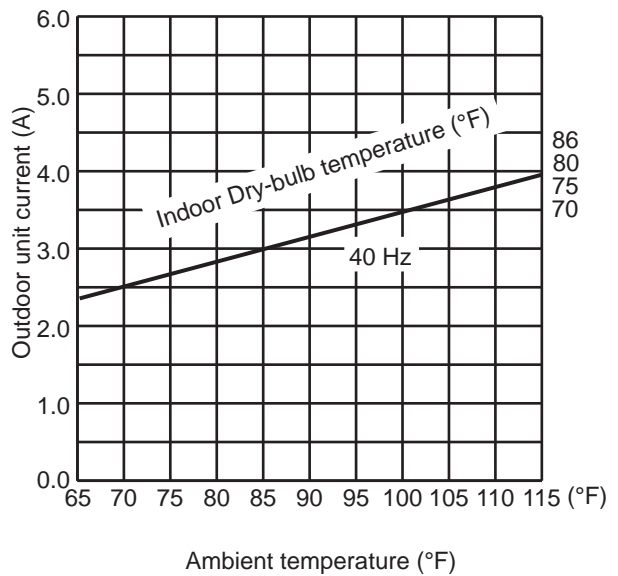
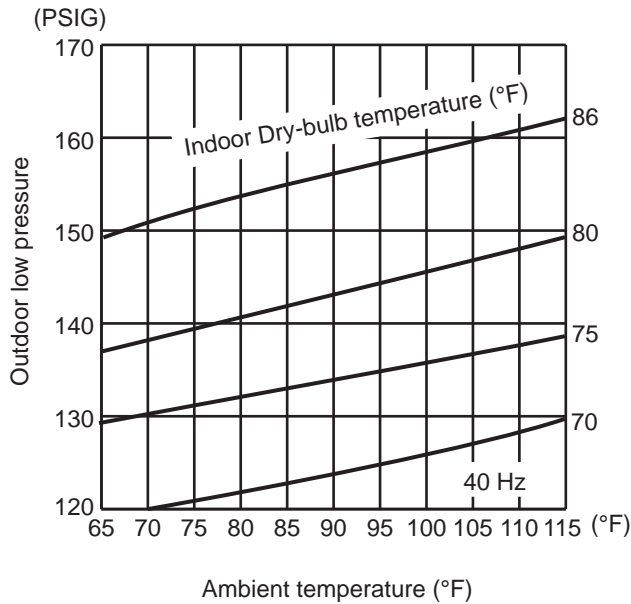
1. 06-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed: High
- ③ Inverter output frequency: 40 Hz

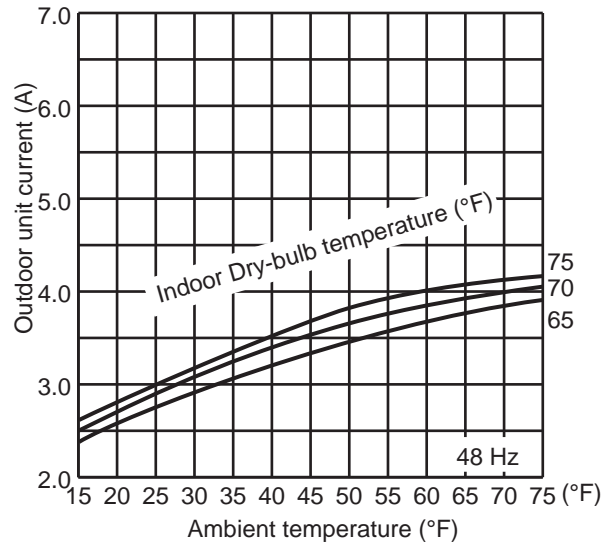
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of indoor humidity 75%
- ② Set air flow to High speed.
- ③ Inverter output frequency is 48 Hz.



MXZ-2C20NA2

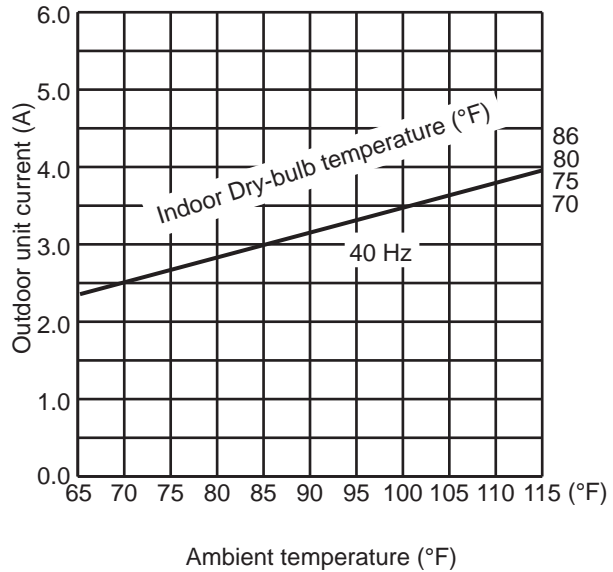
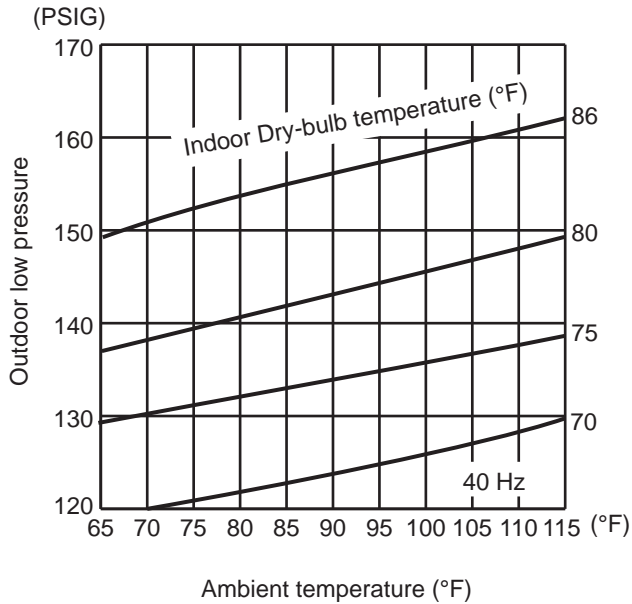
2. 09-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed: High
- ③ Inverter output frequency: 40 Hz

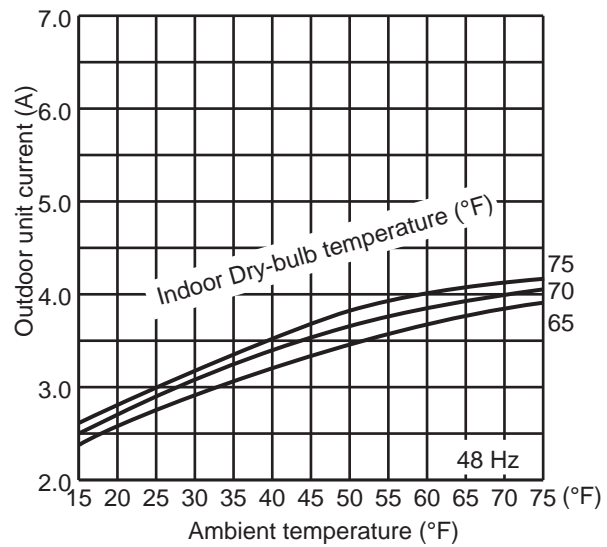
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of indoor humidity 75%
- ② Set air flow to High speed.
- ③ Inverter output frequency is 48 Hz.



MXZ-2C20NA2

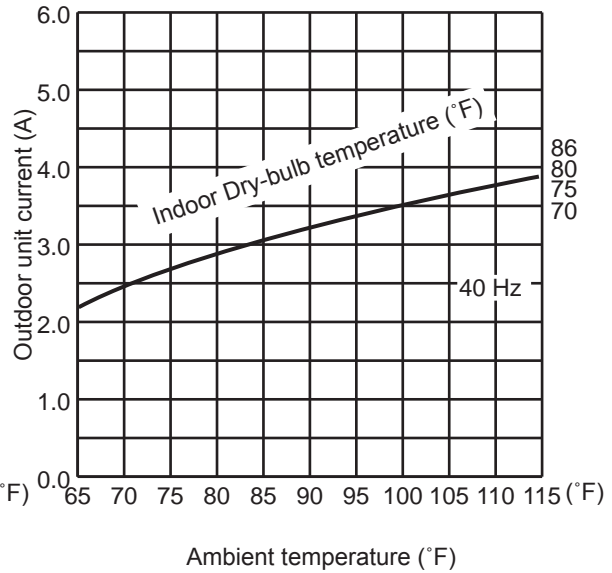
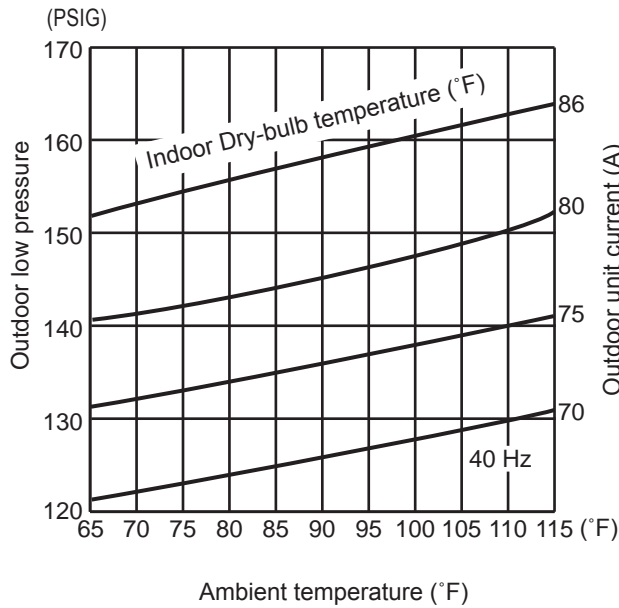
3. 12-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed: High
- ③ Inverter output frequency: 40 Hz

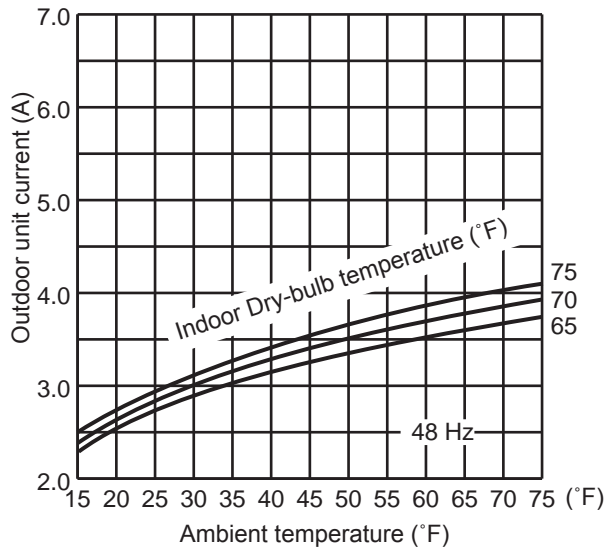
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of indoor humidity 75%
- ② Set air flow to High speed.
- ③ Inverter output frequency is 48 Hz.



MXZ-2C20NA2

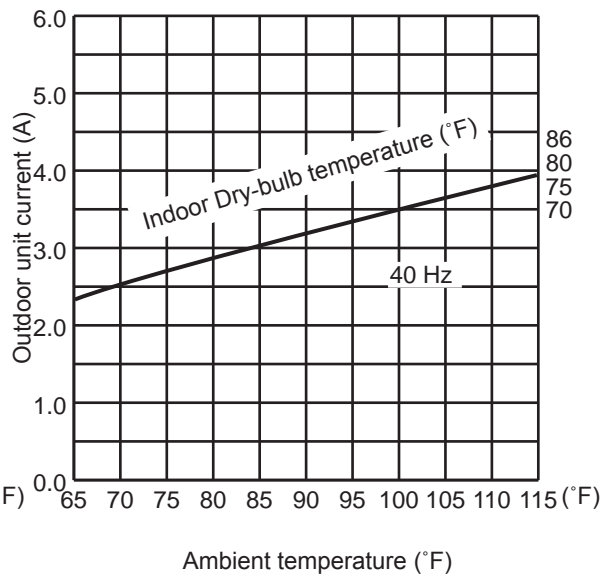
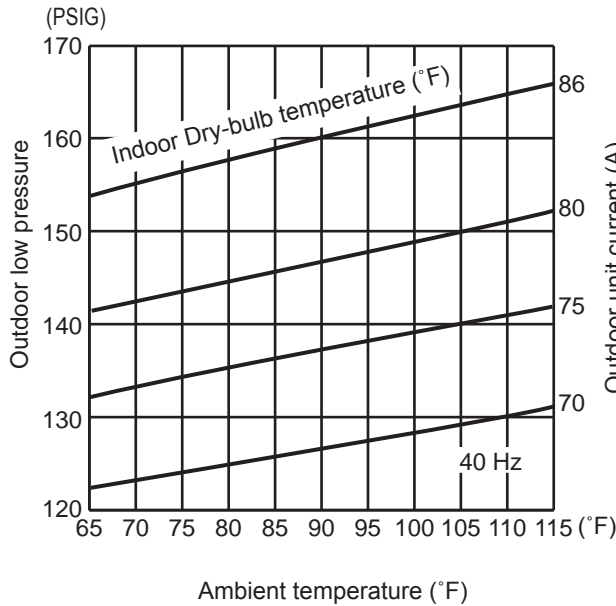
4. 15-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed: High
- ③ Inverter output frequency: 40 Hz

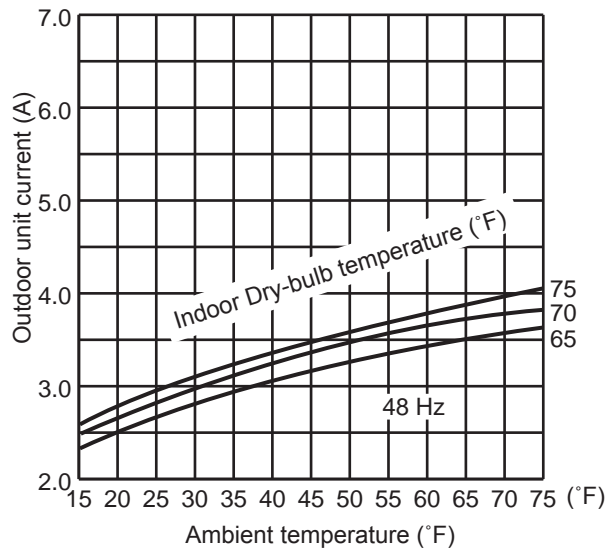
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 40 Hz (COOL) or 48 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of indoor humidity 75%
- ② Set air flow to High speed.
- ③ Inverter output frequency is 48 Hz.



MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

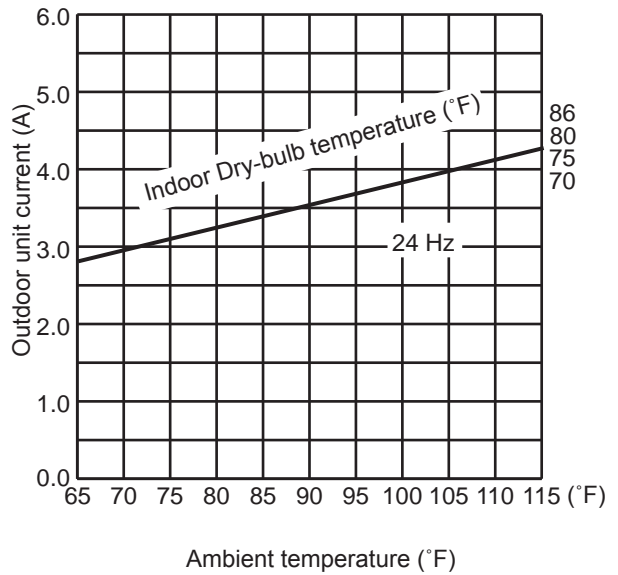
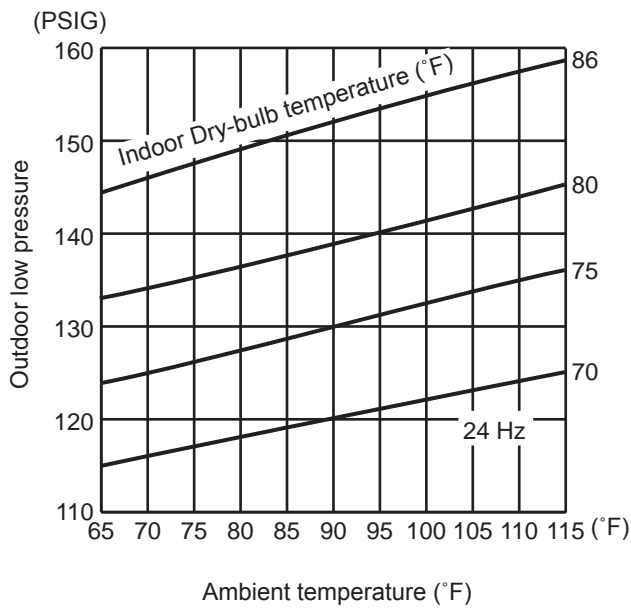
5. 06-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 24 Hz

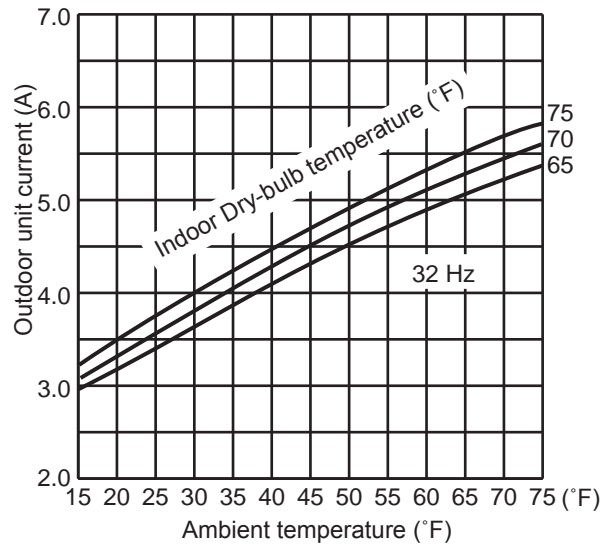
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 32 Hz.



MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

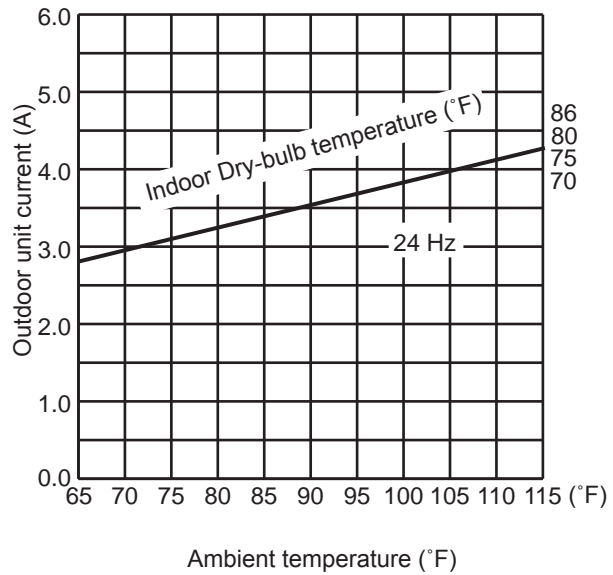
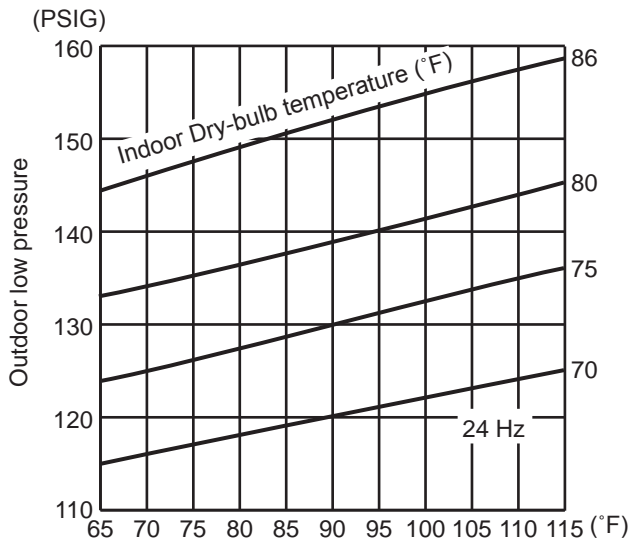
6. 09-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 24 Hz

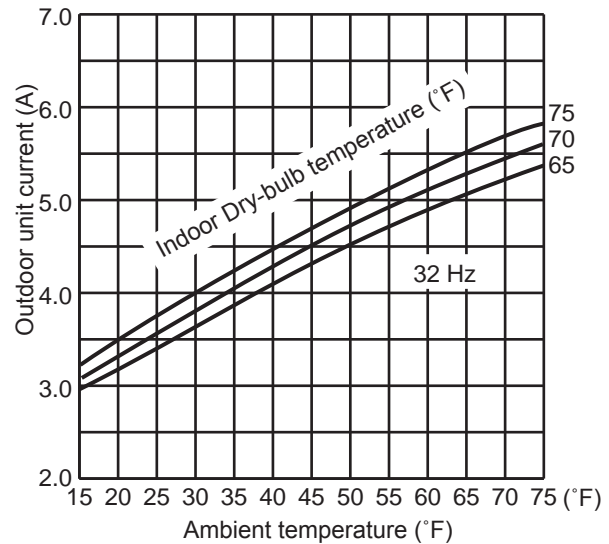
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation Ambient temperature (°F)

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 32 Hz.



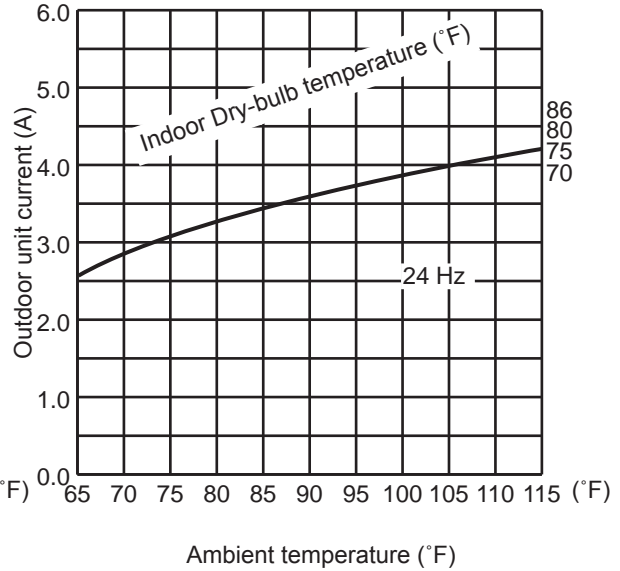
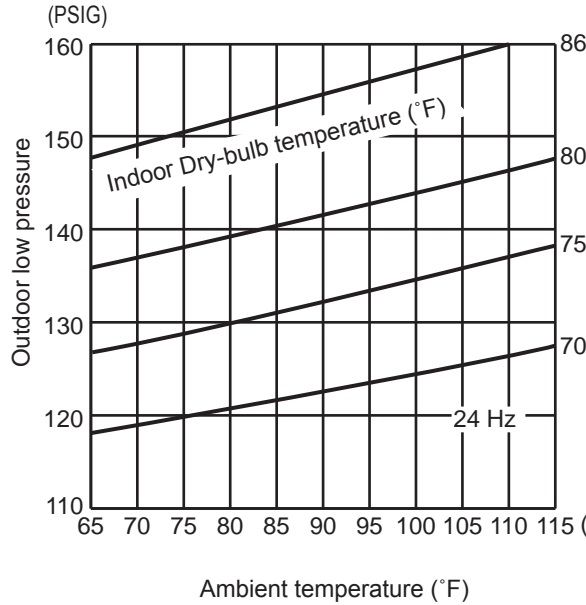
MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

7. 12-class unit in single operation

(1) COOL operation

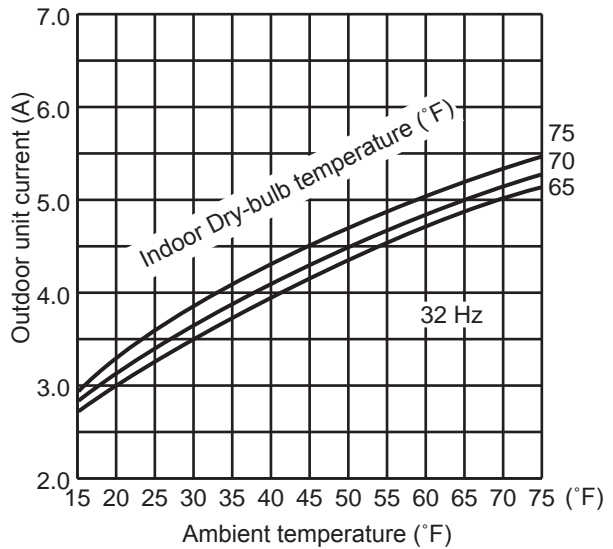
- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 24 Hz

- <How to work fixed-frequency operation>
1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
 2. Press emergency run ON/OFF button.
 3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
 4. Indoor fan runs at High speed and continues for 30 minutes.
 5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 32 Hz.



MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

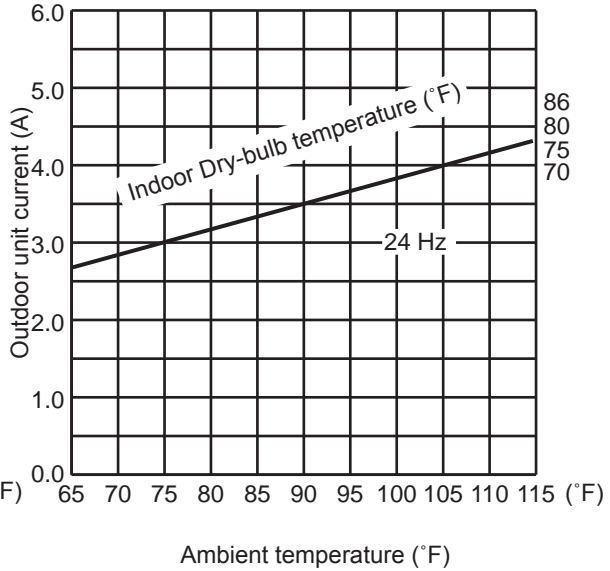
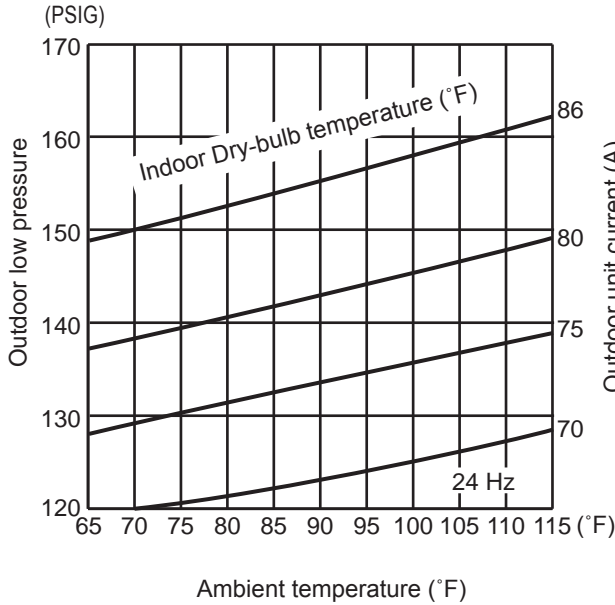
8. 15-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 24 Hz

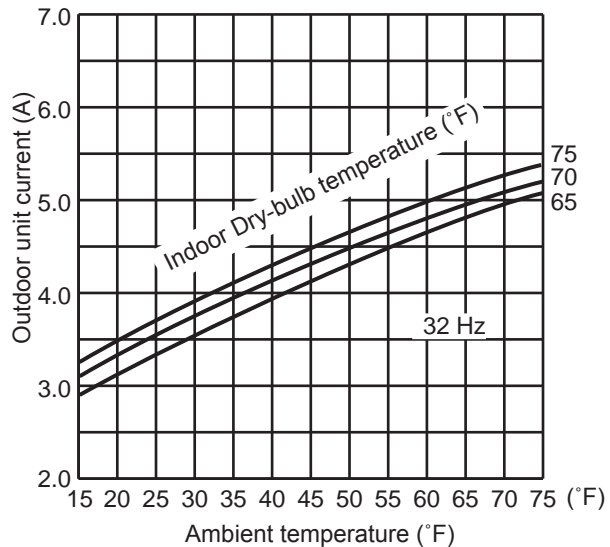
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%
- ② Set air flow to High speed.
- ③ Inverter output frequency is 32 Hz.



MXZ-3C24NA2 MXZ-3C30NA2 MXZ-4C36NA2

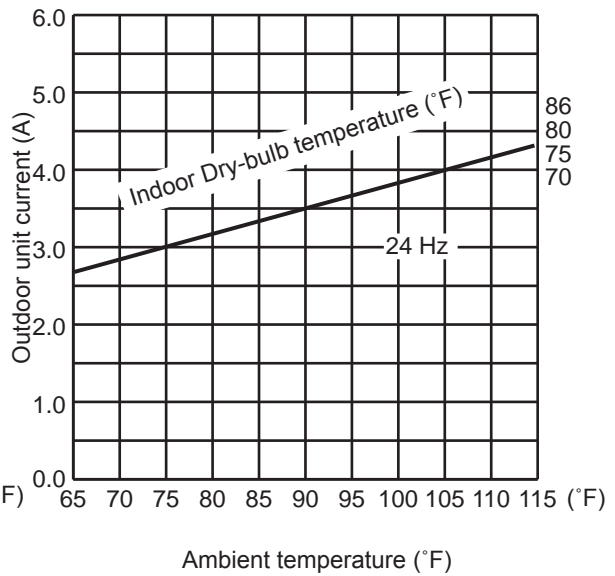
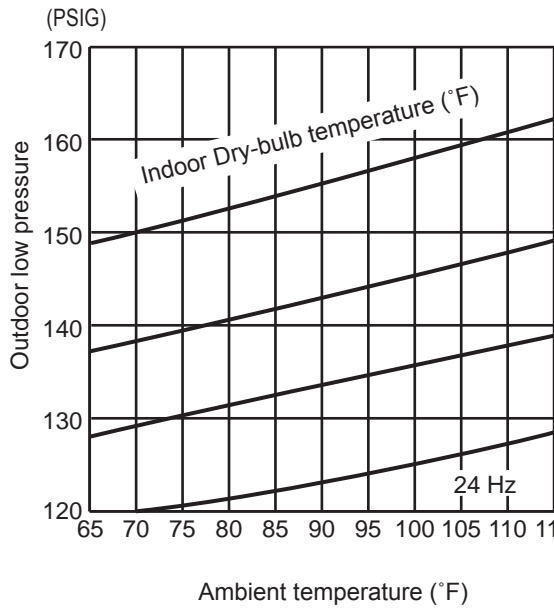
9. 18-class unit in single operation

(1) COOL operation

- ①Data is based on the condition of indoor humidity 50%
- ②Air flow speed : High
- ③Inverter output frequency : 24 Hz

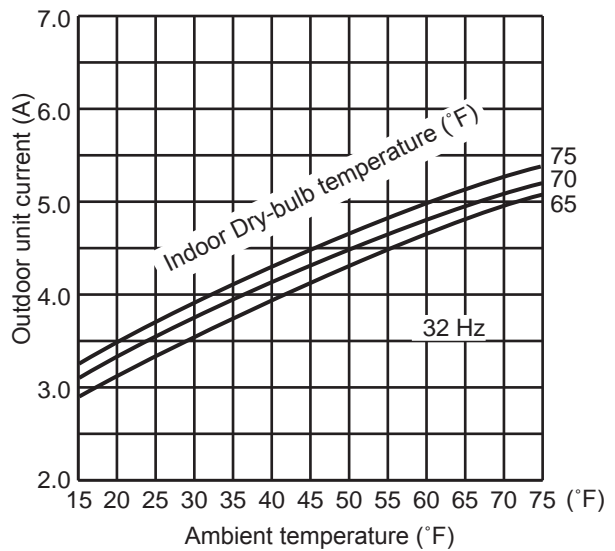
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ①Data is based on the condition of outdoor humidity 75%.
- ②Set air flow to High speed.
- ③Inverter output frequency is 32 Hz.



MXZ-3C30NA2 MXZ-4C36NA2

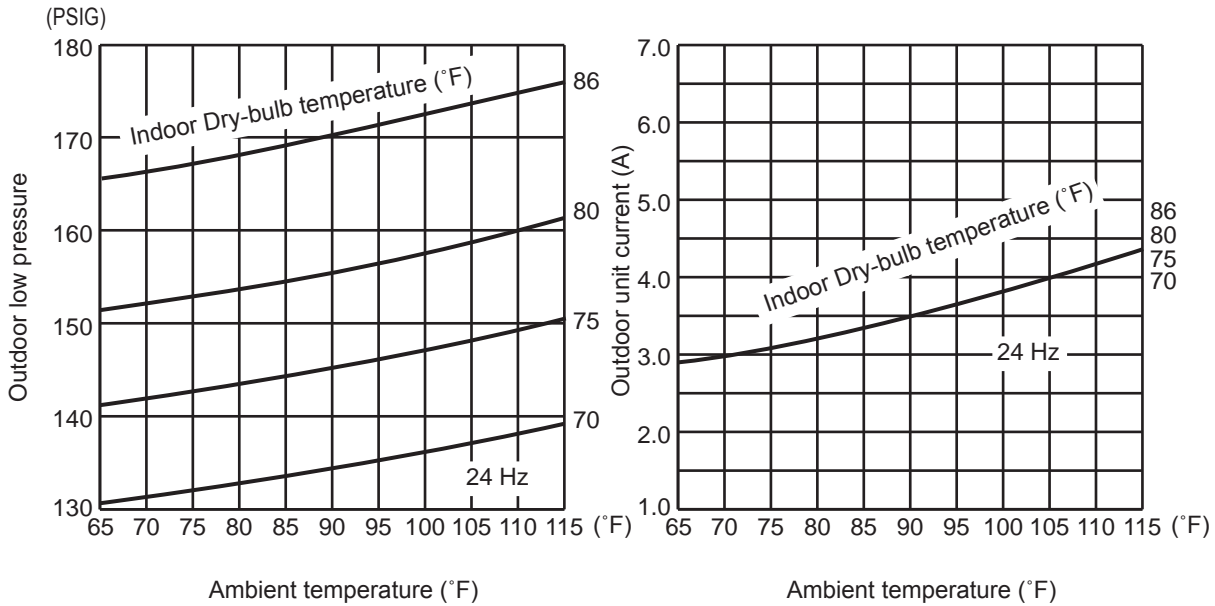
10. 24-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 24 Hz

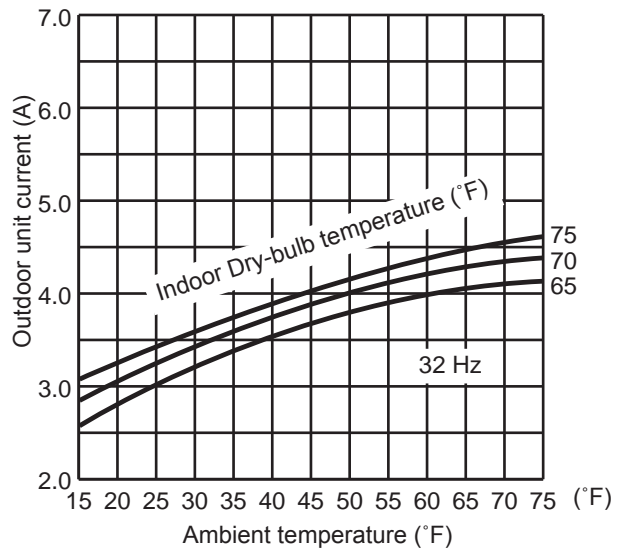
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 24 Hz (COOL) or 32 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%
- ② Set air flow to High speed.
- ③ Inverter output frequency is 32 Hz.



MXZ-5C42NA2 MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

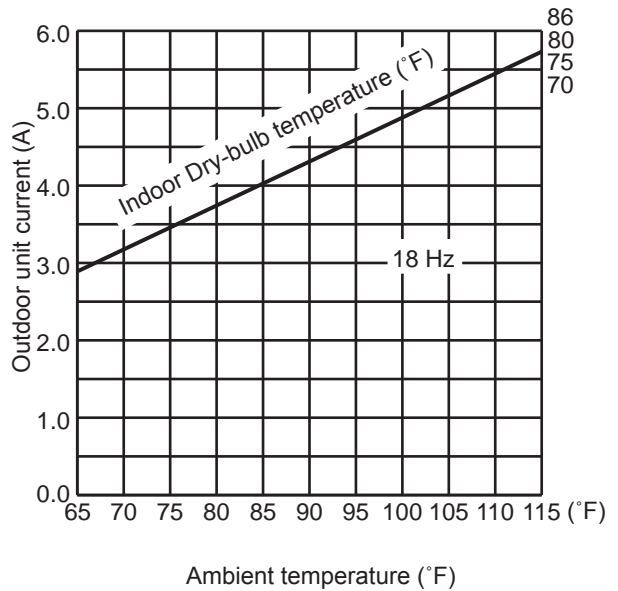
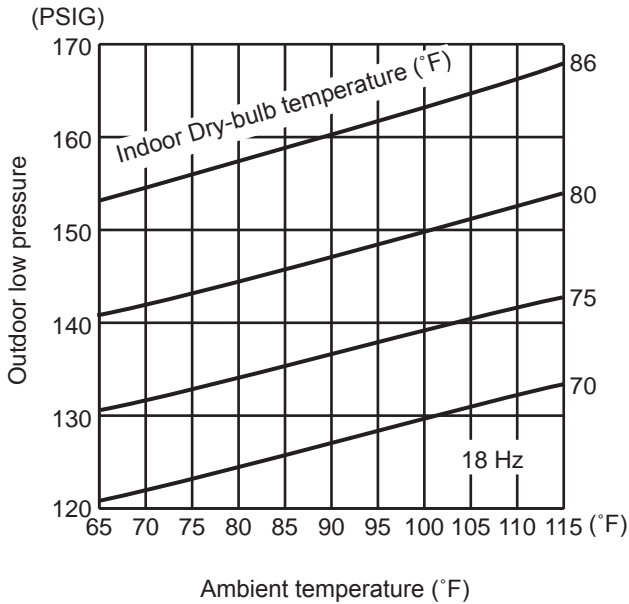
11. 06-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 18 Hz

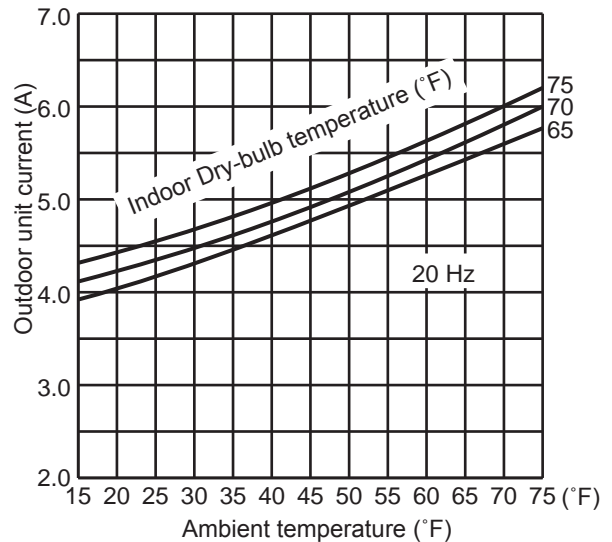
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 20 Hz.



MXZ-5C42NA2 MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

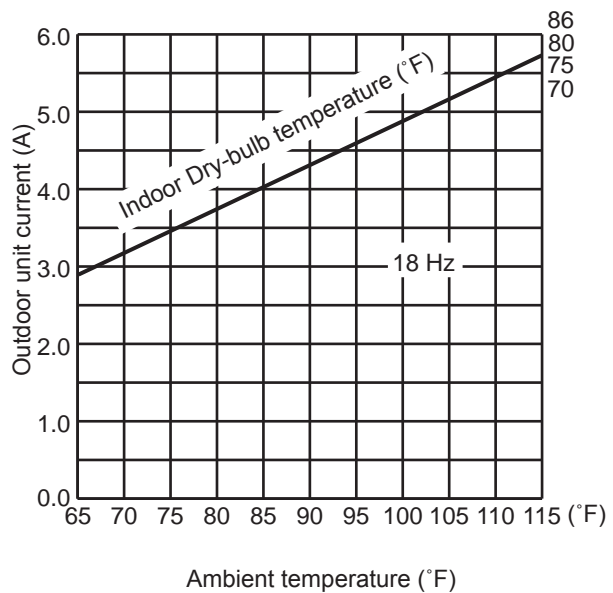
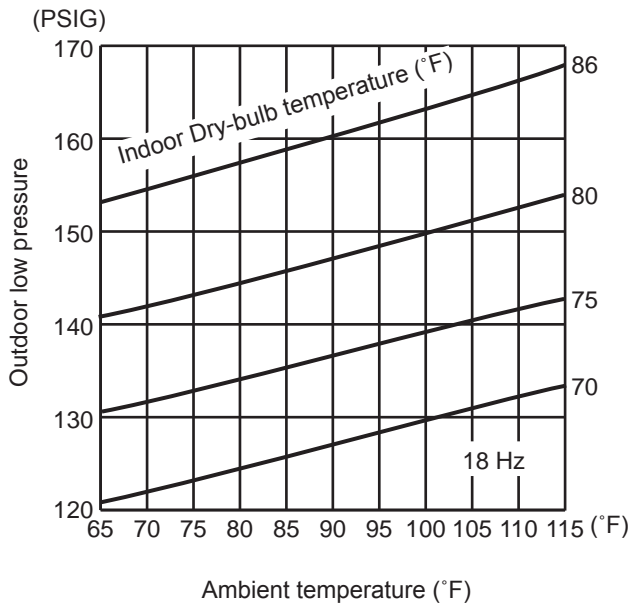
12. 09-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 18 Hz

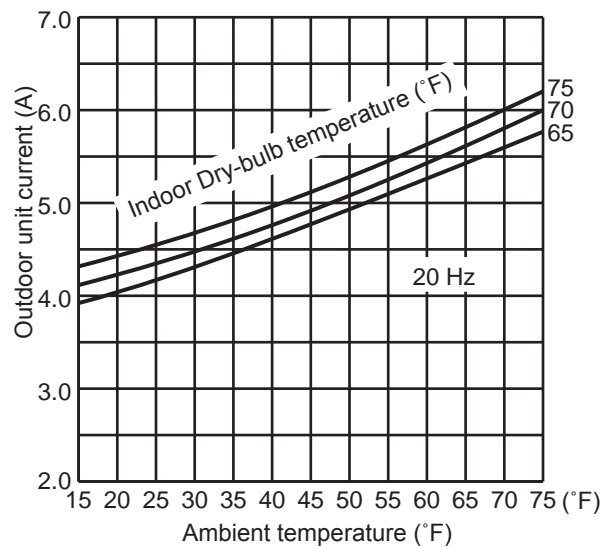
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 20 Hz.



MXZ-5C42NA2 MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

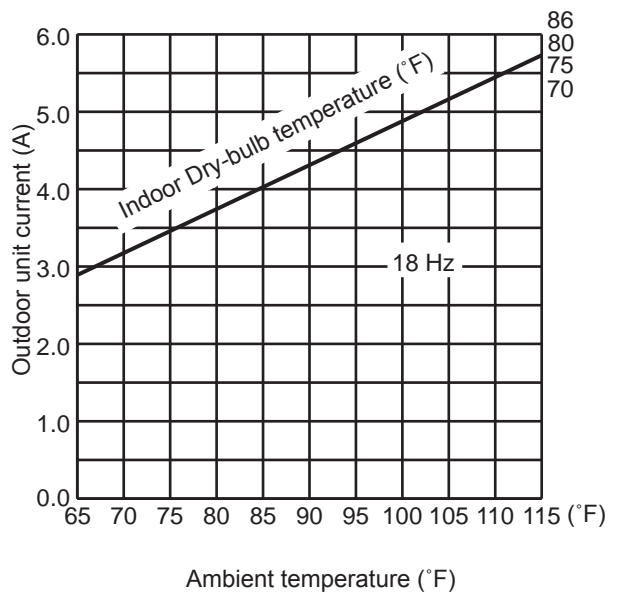
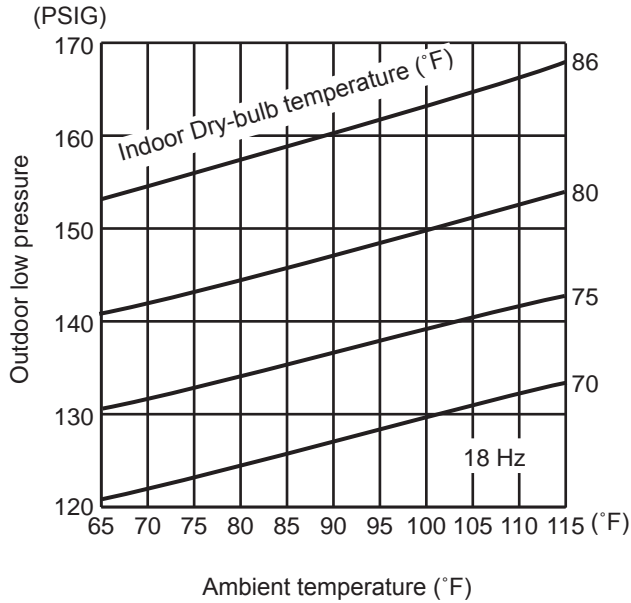
13. 12-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 18 Hz

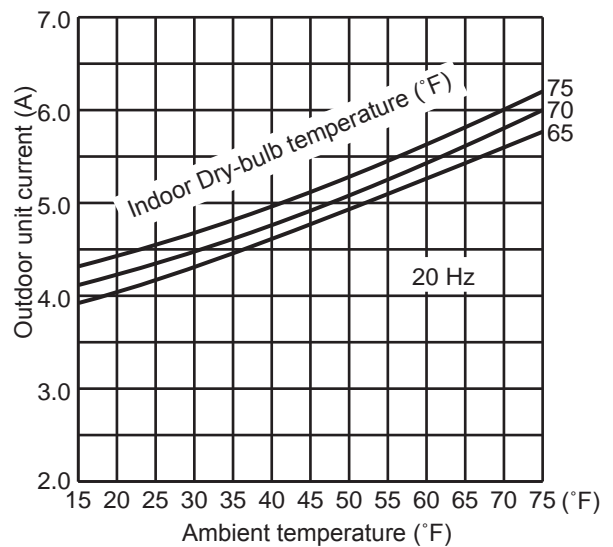
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 20 Hz.



MXZ-5C42NA2 MXZ-2C20NAHZ2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

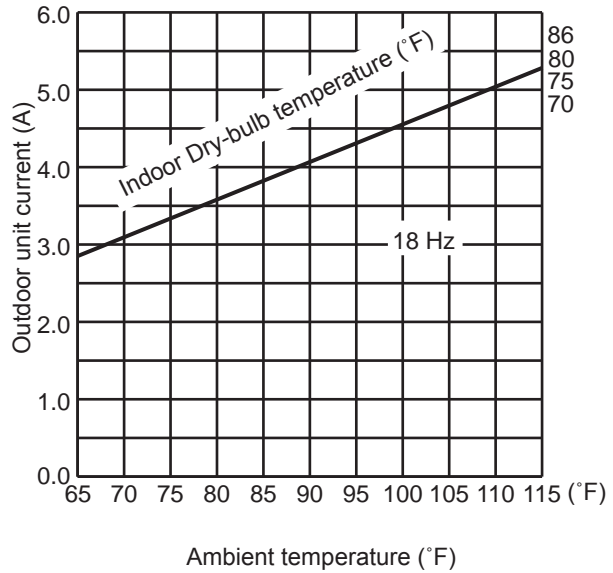
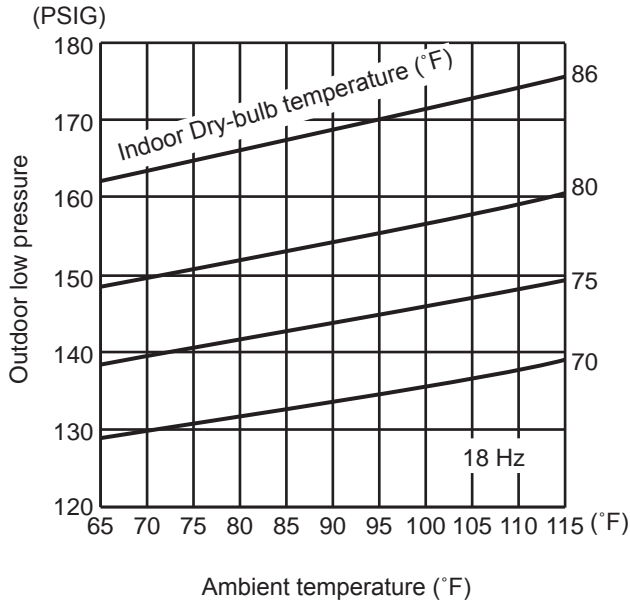
14. 15-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 18 Hz

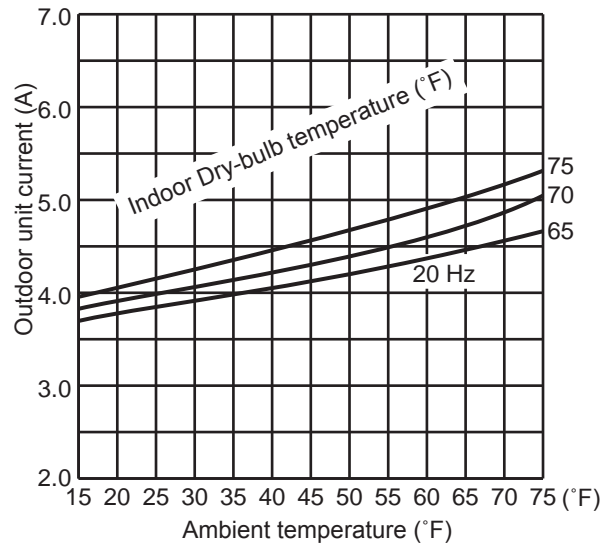
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 20 Hz.



MXZ-5C42NA2 MXZ-3C24NAHZ2 MXZ-3C30NAHZ2

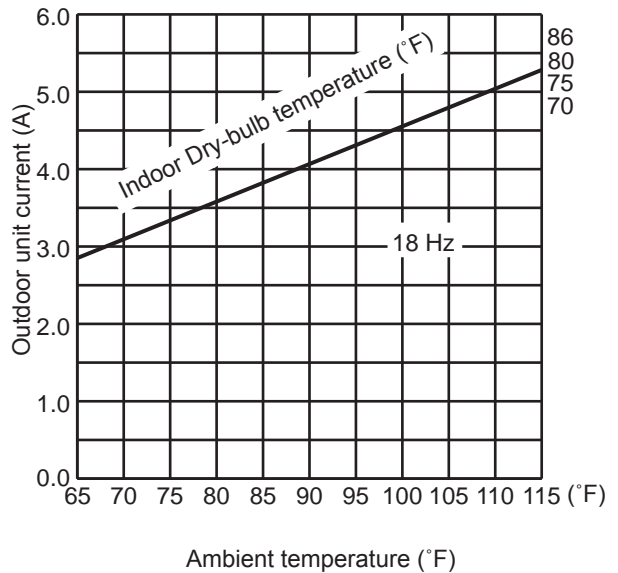
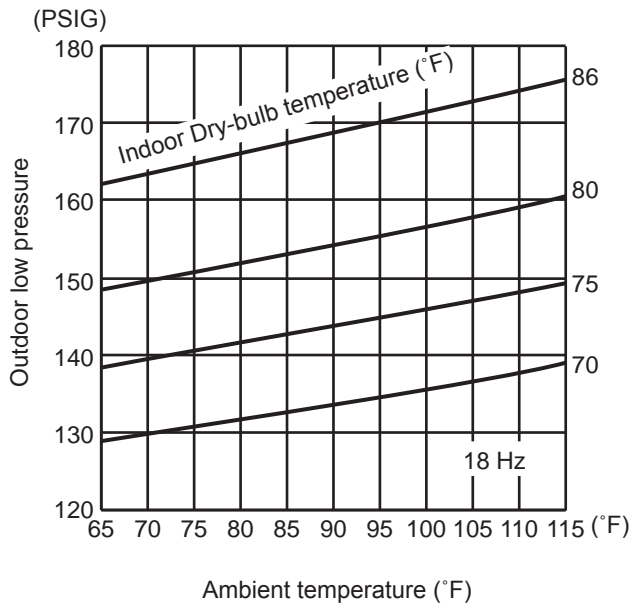
15. 18-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 18 Hz

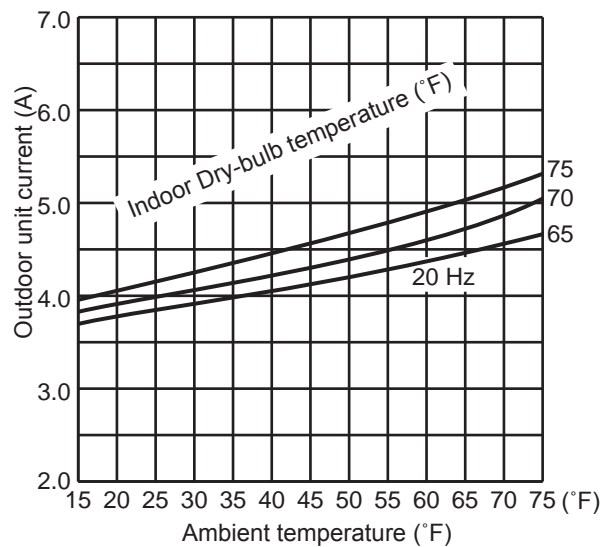
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 20 Hz.



MXZ-5C42NA2 MXZ-3C30NAHZ2

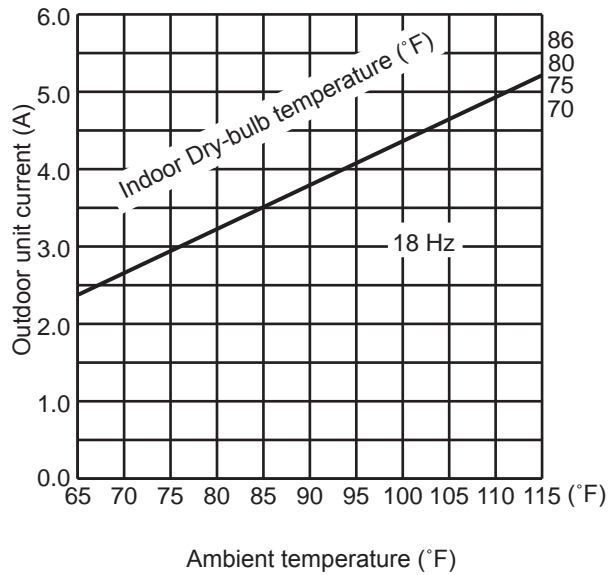
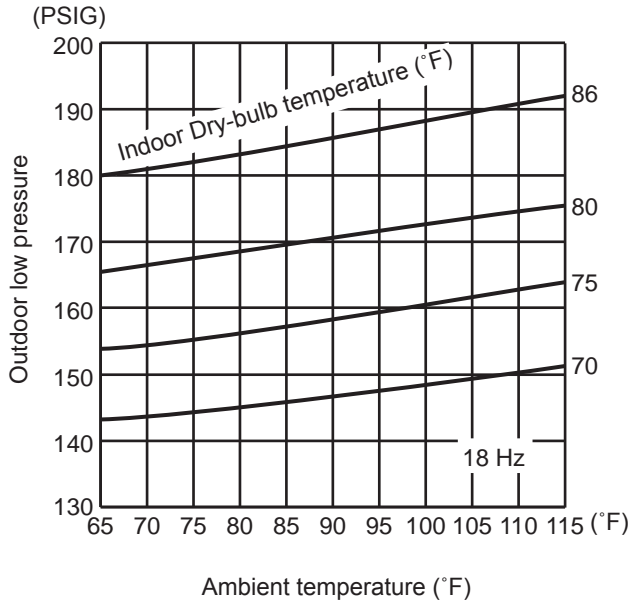
16. 24-class unit in single operation

(1) COOL operation

- ① Data is based on the condition of indoor humidity 50%
- ② Air flow speed : High
- ③ Inverter output frequency : 18 Hz

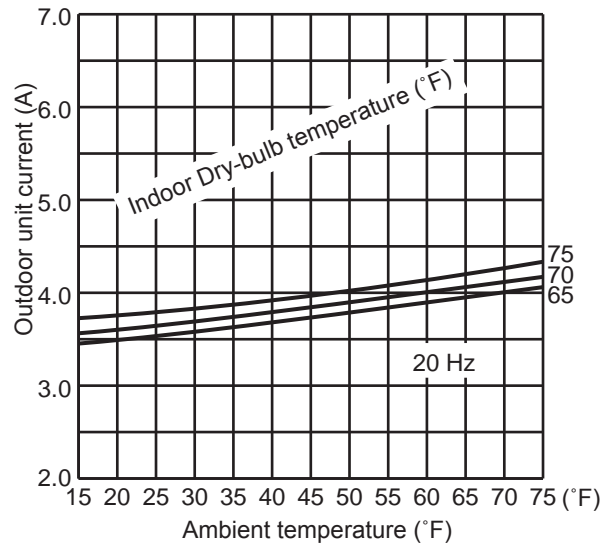
<How to work fixed-frequency operation>

1. Set emergency switch to COOL or HEAT. The switch is located on indoor unit.
2. Press emergency run ON/OFF button.
3. Compressor starts running at 18 Hz (COOL) or 20 Hz (HEAT).
4. Indoor fan runs at High speed and continues for 30 minutes.
5. To cancel this operation, press emergency run ON/OFF button or any button on remote controller.



(2) HEAT operation

- ① Data is based on the condition of outdoor humidity 75%.
- ② Set air flow to High speed.
- ③ Inverter output frequency is 20 Hz.

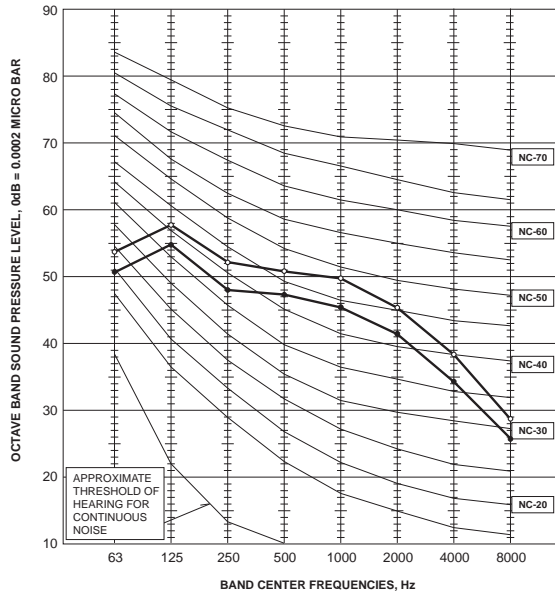


9 | NOISE CRITERION CURVES

9-1. OUTDOOR UNIT

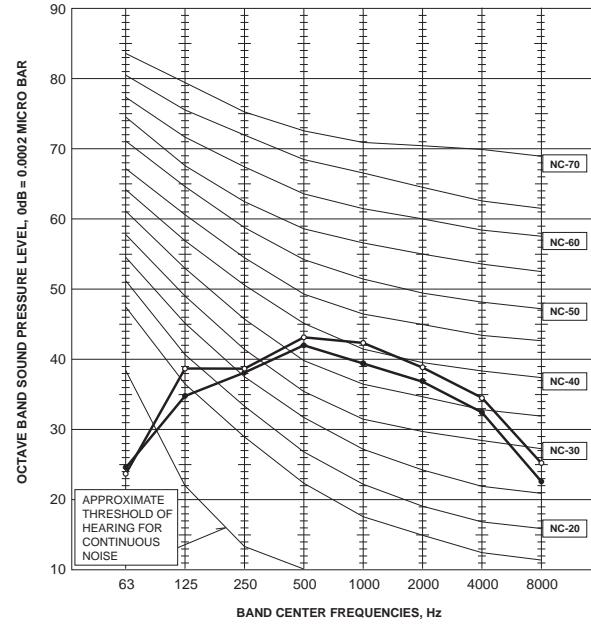
MXZ-2C20NA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	50	●—●
High	Heating	54	○—○



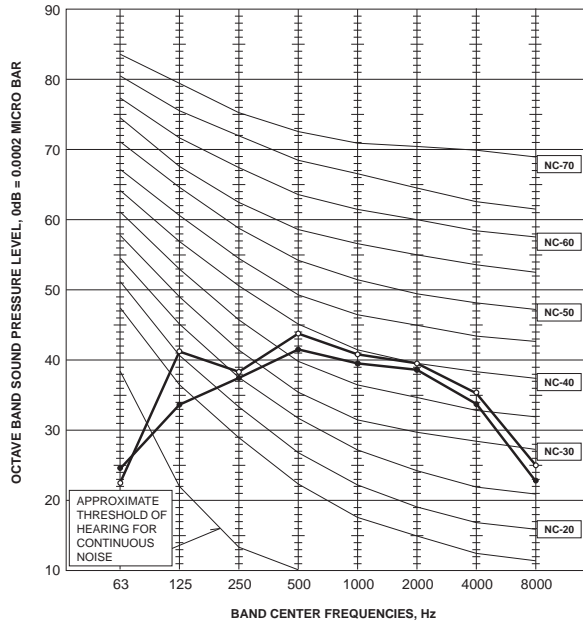
MXZ-3C24NA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	51	●—●
High	Heating	55	○—○



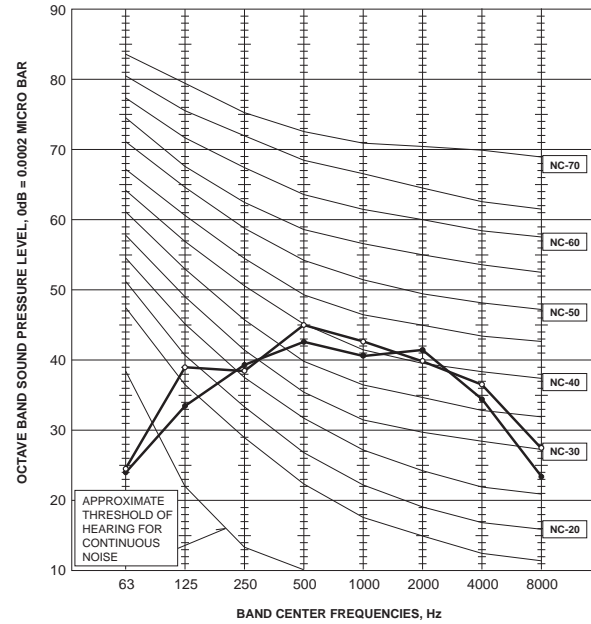
MXZ-3C30NA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	52	●—●
High	Heating	56	○—○



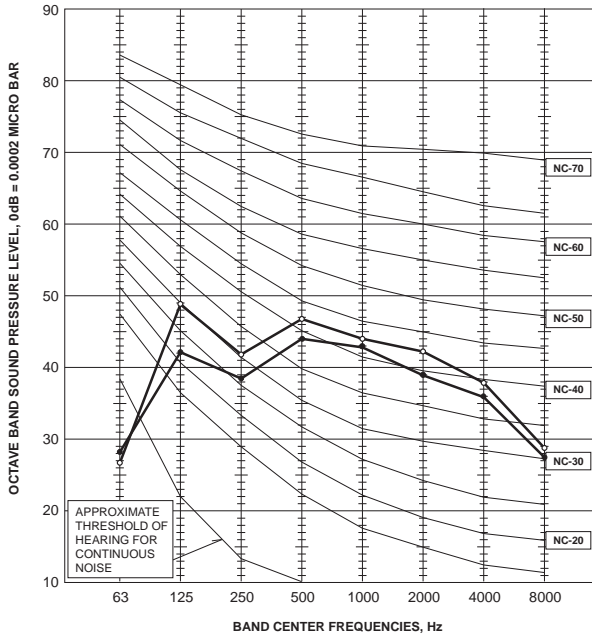
MXZ-4C36NA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	54	●—●
High	Heating	56	○—○



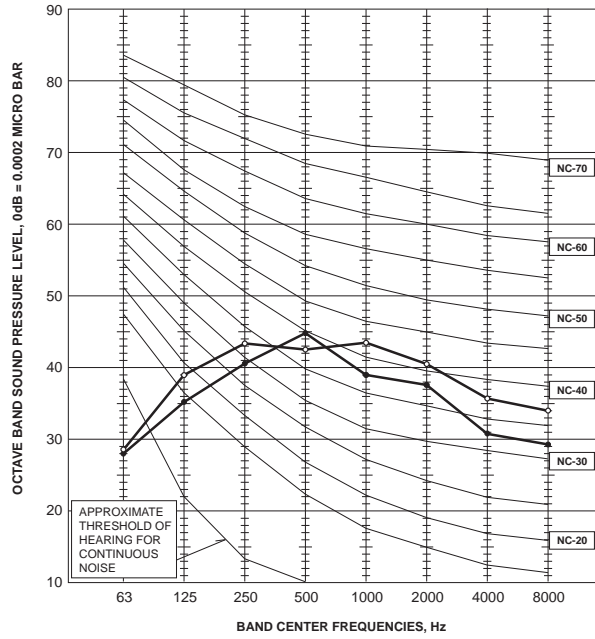
MXZ-5C42NA2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	56	●—●
High	Heating	58	○—○



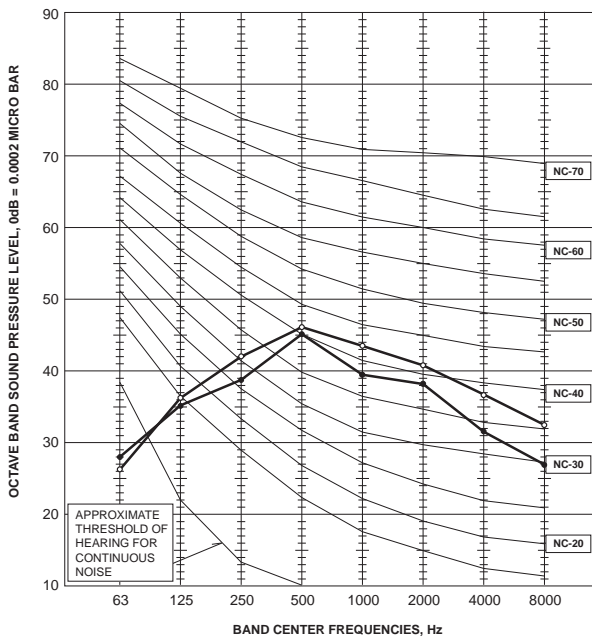
MXZ-2C20NAHZ2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	54	●—●
High	Heating	58	○—○



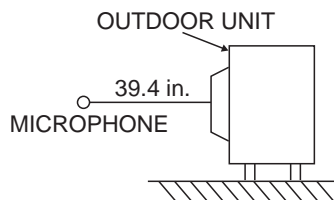
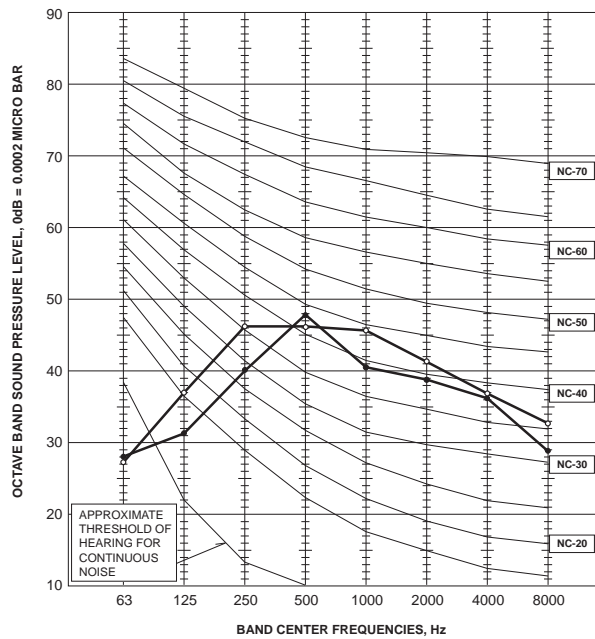
MXZ-3C24NAHZ2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	54	●—●
High	Heating	58	○—○



MXZ-3C30NAHZ2

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	54	●—●
High	Heating	58	○—○

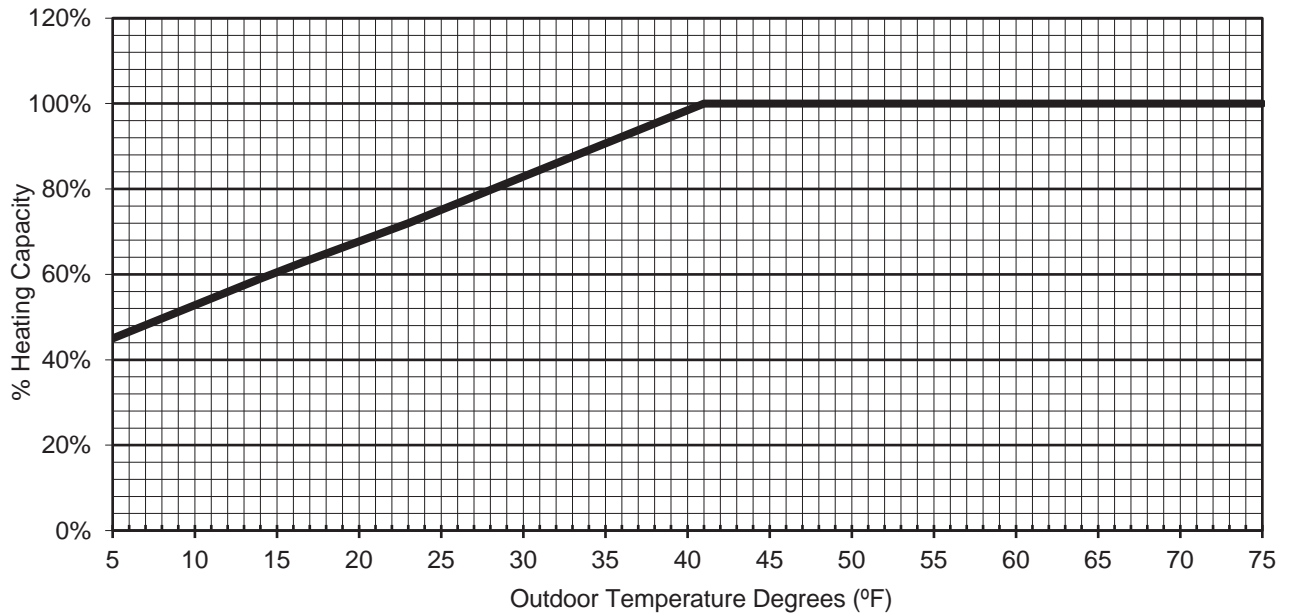


Test conditions

Cooling: Dry-bulb temperature 95°F Wet-bulb temperature 75°F
 Heating: Dry-bulb temperature 45°F Wet-bulb temperature 43°F

10 | MAX. HEATING CAPACITY IN LOW AMBIENT TEMPERATURE

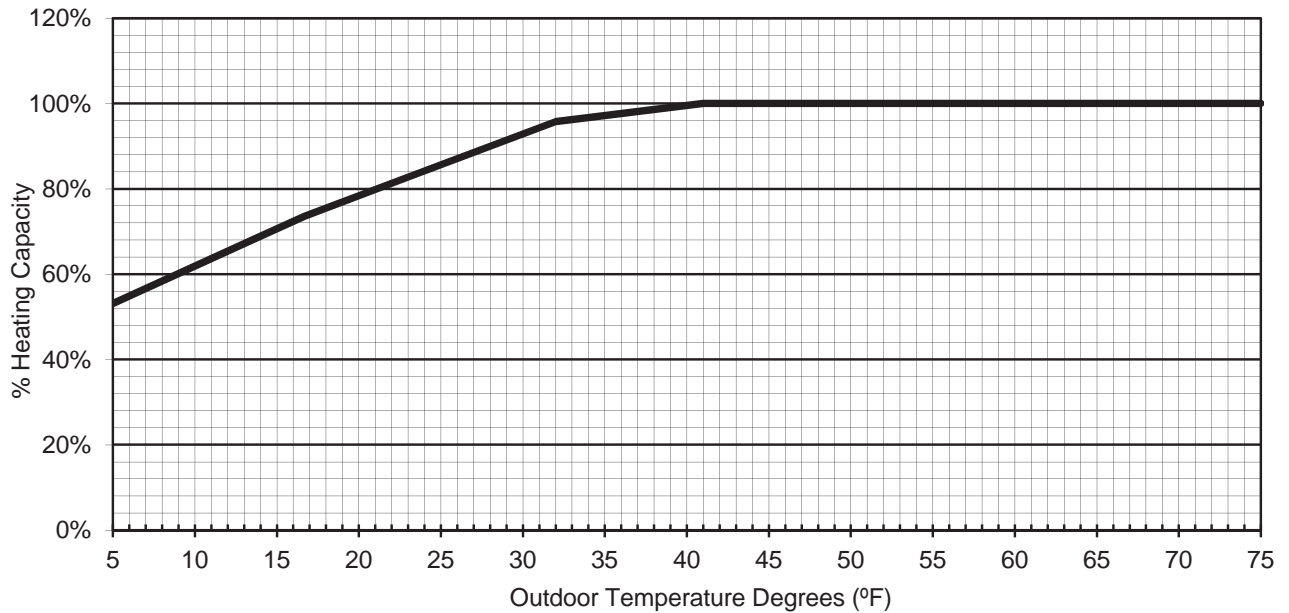
MXZ-2C20NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	41.9	50.0	75.0
% Heating Capacity	45%	59%	72%	86%	100%	100%	100%	100%

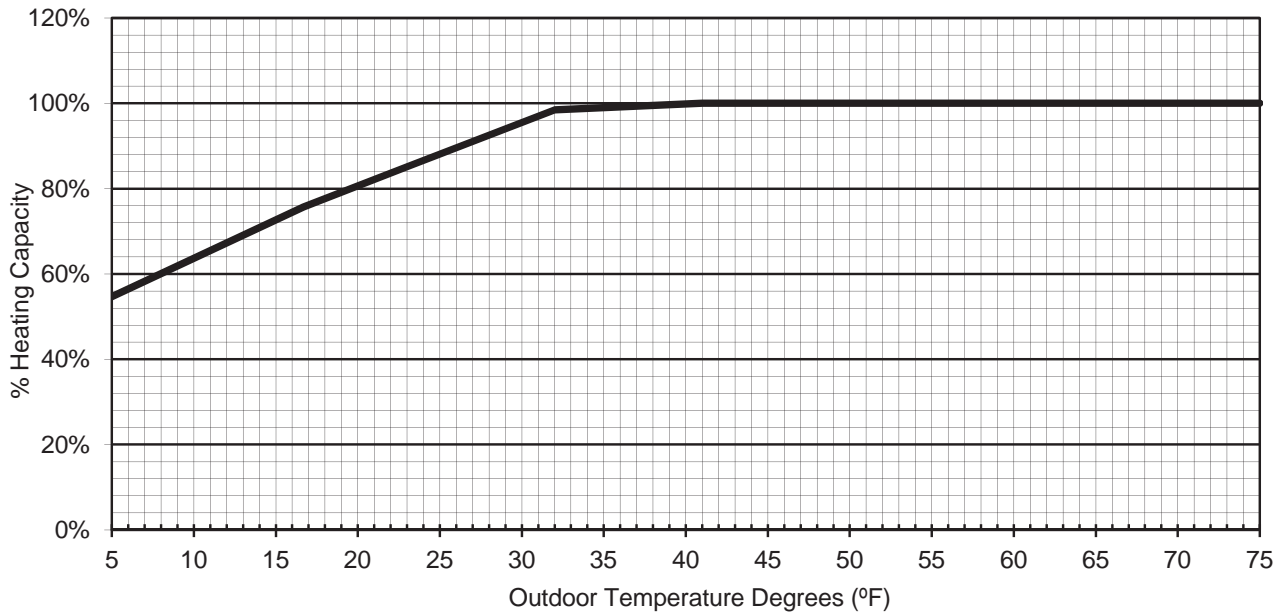
MXZ-3C24NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	53%	69%	83%	96%	100%	100%	100%

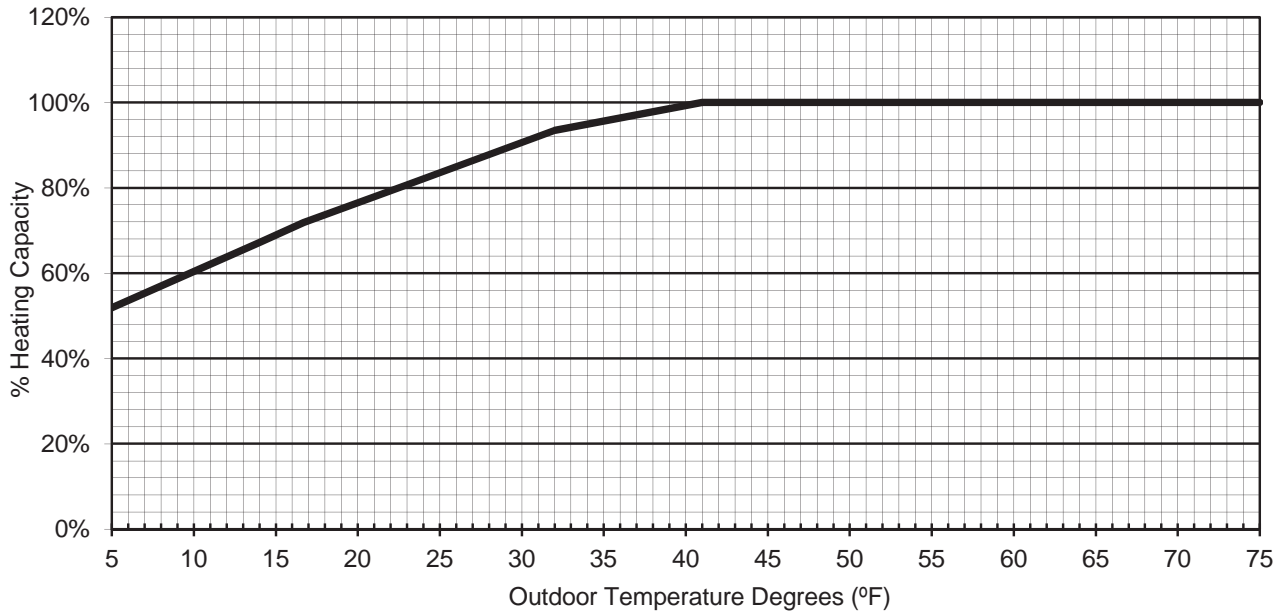
MXZ-3C30NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	55%	71%	85%	98%	100%	100%	100%

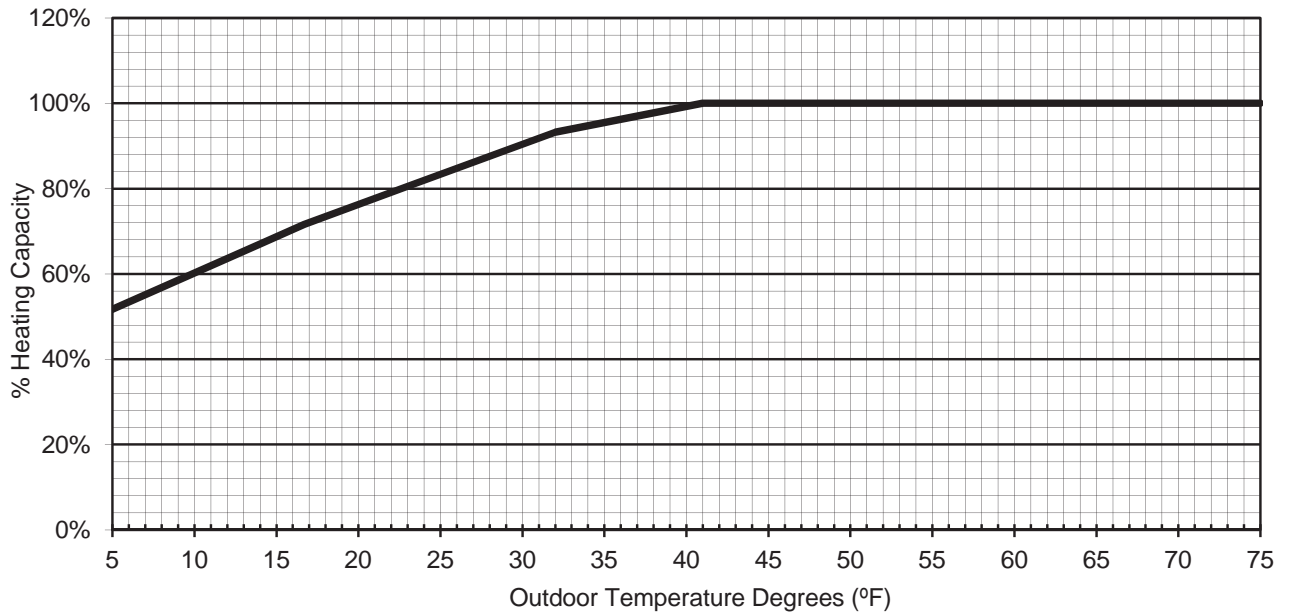
MXZ-4C36NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	52%	67%	81%	93%	100%	100%	100%

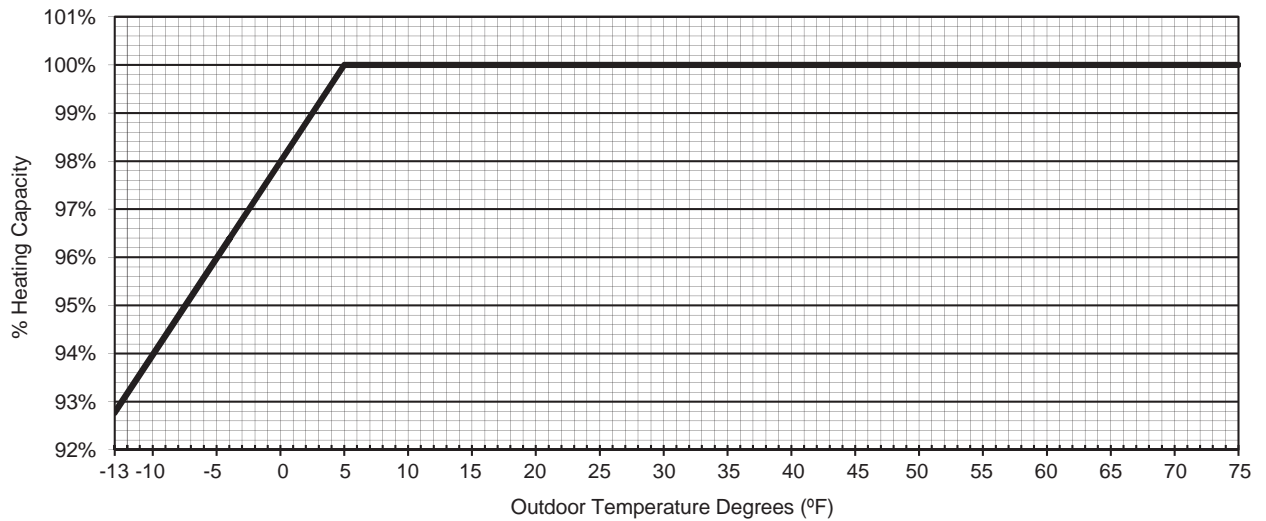
MXZ-5C42NA2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	52%	67%	81%	93%	100%	100%	100%

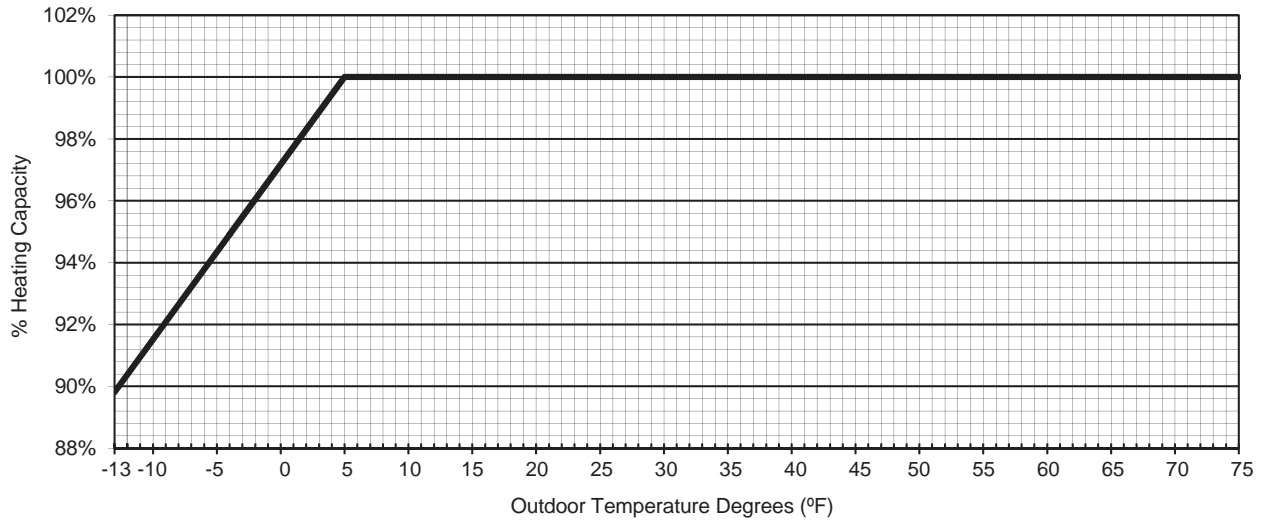
MXZ-2C20NAHZ2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	93%	96%	100%	100%	100%	100%	100%	100%	100%

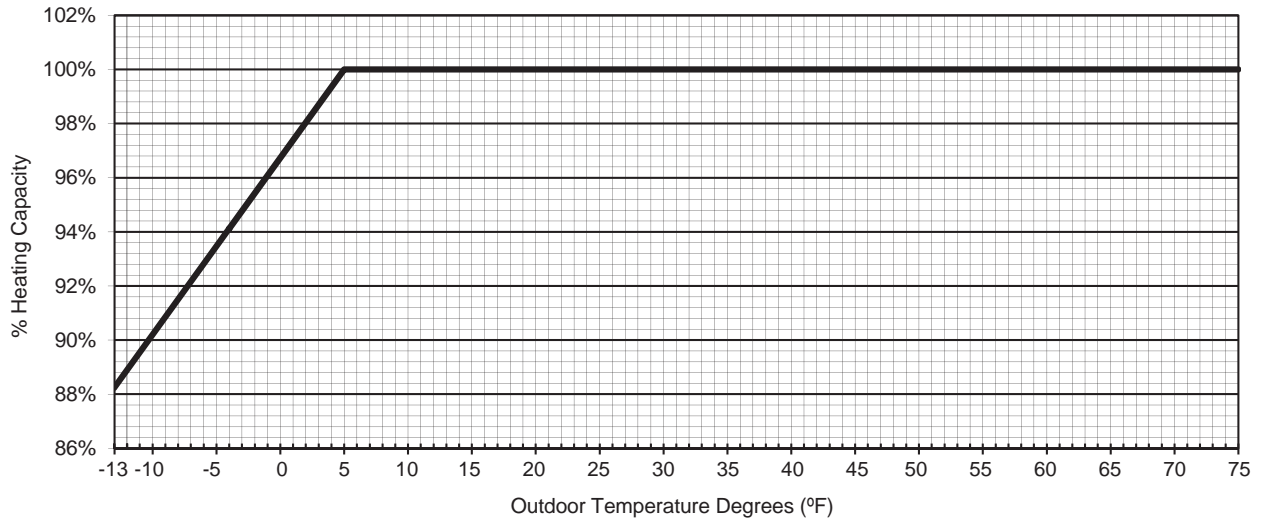
MXZ-3C24NAHZ2



HEATING CAPACITY

Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	90%	95%	100%	100%	100%	100%	100%	100%	100%

MXZ-3C30NAHZ2



HEATING CAPACITY

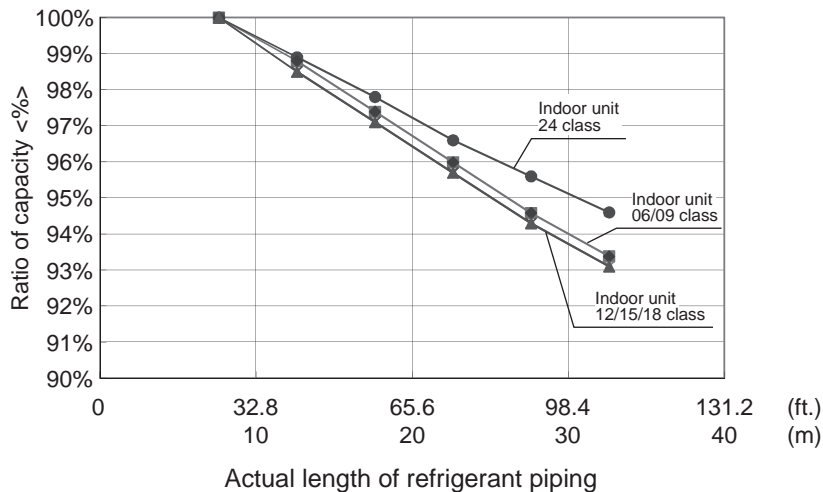
Outdoor Temperature Degrees (°F)	-13.0	-4.0	5.0	14.0	23.0	32.0	41.0	50.0	75.0
% Heating Capacity	88%	94%	100%	100%	100%	100%	100%	100%	100%

11 | CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

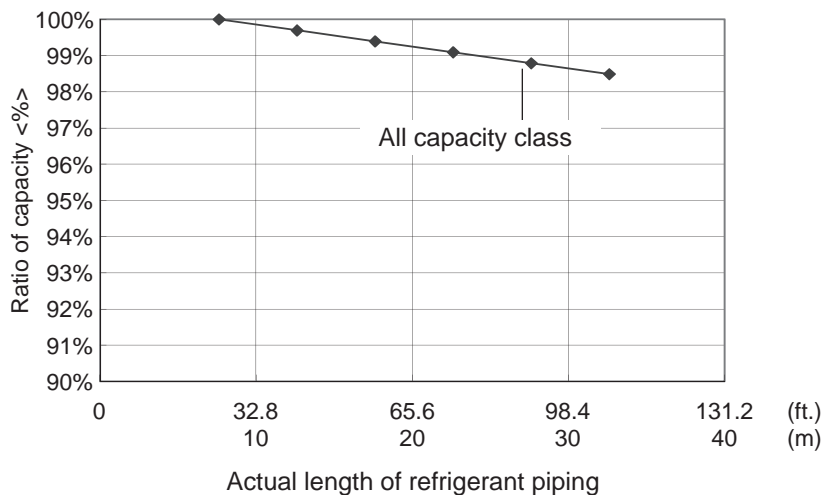
11-1. CAPACITY CORRECTION RATIO CURVE FOR PIPING LENGTH

MXZ-2C20/3C24/30/4C36/5C42NA2
MXZ-2C20/3C24/30NAHZ2

Correction ratio of capacity according to the length of piping (cooling)



Correction ratio of capacity according to the length of piping (heating)



The length intended for the capacity calculation, which counts the length of refrigerant piping and the number of bends, is called actual length.

$$\text{Length of refrigerant piping (ft.)} + (\text{Number of bends} \times 0.984 \text{ ft.}) = \text{Actual length of refrigerant piping (ft.)}$$

$$[\text{Length of refrigerant piping (m)} + (\text{Number of bends} \times 0.3 \text{ m})] = \text{Actual length of refrigerant piping (m)}$$

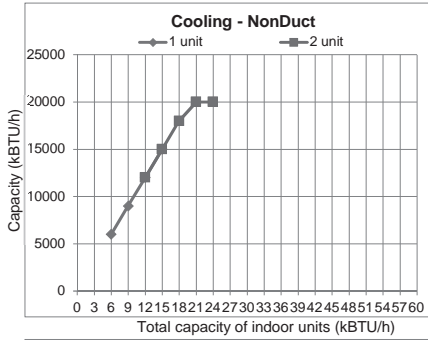
12 | STANDARD CAPACITY DIAGRAM

MXZ-2C20NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.
NOTE 2: Input for the indoor unit is excluded.

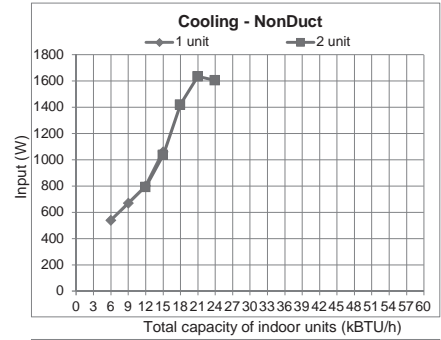
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit
6	6000	
9	9000	
12	12000	12000
15	15000	15000
18		18000
21		20000
24		20000



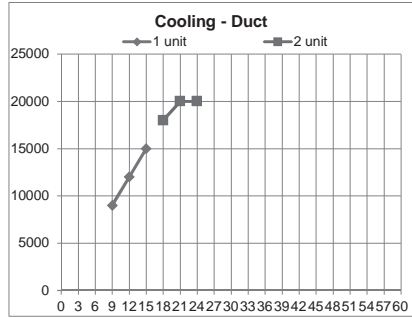
■ Input (Cooling - NonDuct)

	1 unit	2 unit
6	540	
9	670	
12	800	790
15	1060	1035
18		1420
21		1635
24		1605



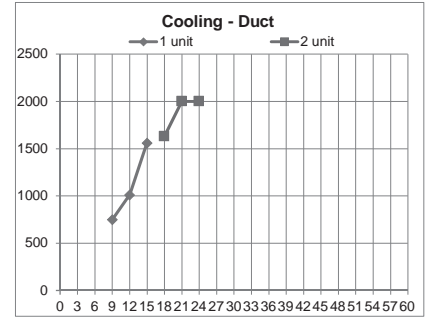
■ Capacity (Cooling - Duct)

	1 unit	2 unit
6		
9	9000	
12	12000	
15	15000	
18		18000
21		20000
24		20000



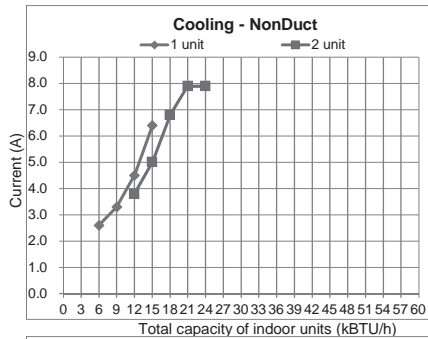
■ Input (Cooling - Duct)

	1 unit	2 unit
6		
9	750	
12	1010	
15	1560	
18		1630
21		2000
24		2000



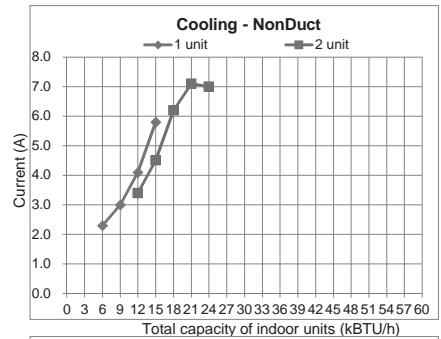
■ Current (208V)

	1 unit	2 unit
6	2.6	
9	3.3	
12	4.5	3.8
15	6.4	5.0
18		6.8
21		7.9
24		7.9



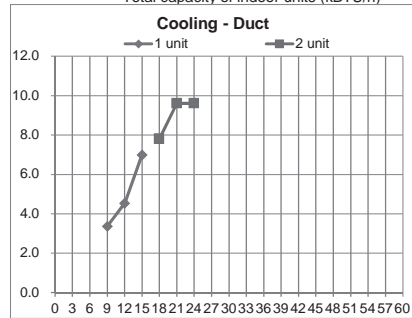
■ Current (230V)

	1 unit	2 unit
6	2.3	
9	3.0	
12	4.1	3.4
15	5.8	4.5
18		6.2
21		7.1
24		7.0



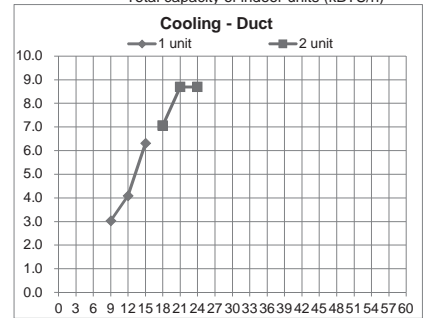
■ Current (208V)

	1 unit	2 unit
6		
9	3.4	
12	4.5	
15	7.0	
18		7.8
21		9.6
24		9.6



■ Current (230V)

	1 unit	2 unit
6		
9	3.0	
12	4.1	
15	6.3	
18		7.1
21		8.7
24		8.7



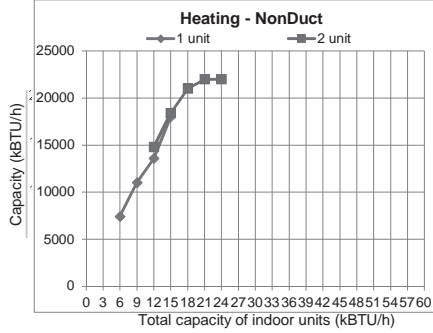
MXZ-2C20NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

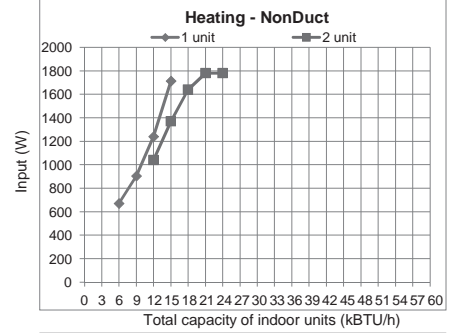
■Capacity (Heating - NonDuct)

	1 unit	2 unit
6	7400	
9	11000	
12	13600	14800
15	18000	18400
18		21000
21		22000
24		22000



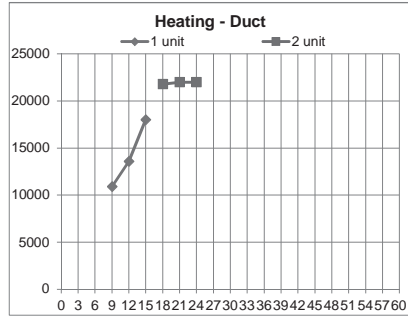
■Input (Heating - NonDuct)

	1 unit	2 unit
6	670	
9	905	
12	1240	1040
15	1715	1370
18		1640
21		1780
24		1780



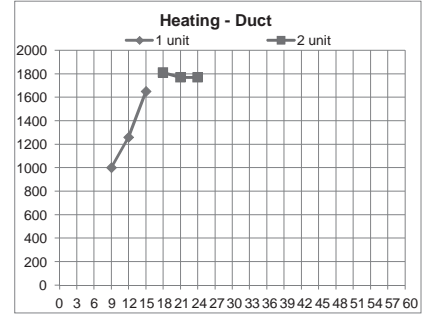
■Capacity (Heating - Duct)

	1 unit	2 unit
6		
9	10900	
12	13600	
15	18000	
18		21800
21		22000
24		22000



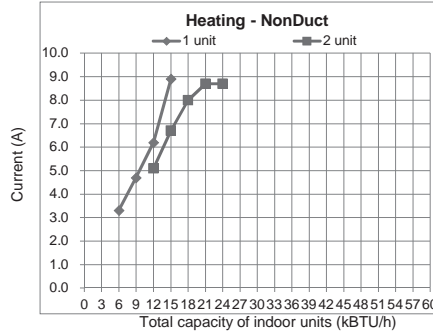
■Input (Heating - Duct)

	1 unit	2 unit
6		
9	1000	
12	1260	
15	1650	
18		1810
21		1770
24		1770



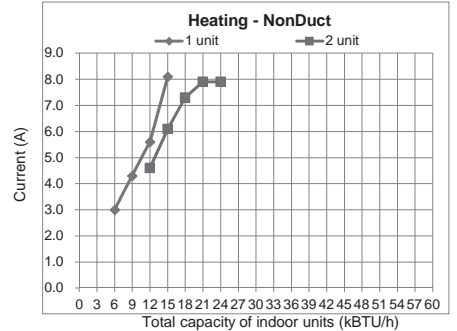
■Current (208V)

	1 unit	2 unit
6	3.3	
9	4.7	
12	6.2	5.1
15	8.9	6.7
18		8.0
21		8.7
24		8.7



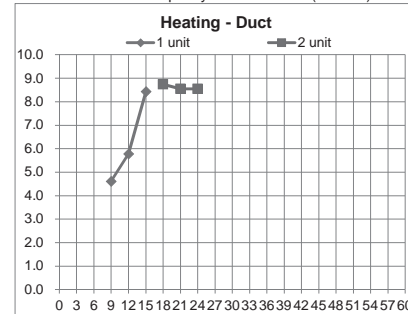
■Current (230V)

	1 unit	2 unit
6	3.0	
9	4.3	
12	5.6	4.6
15	8.1	6.1
18		7.3
21		7.9
24		7.9



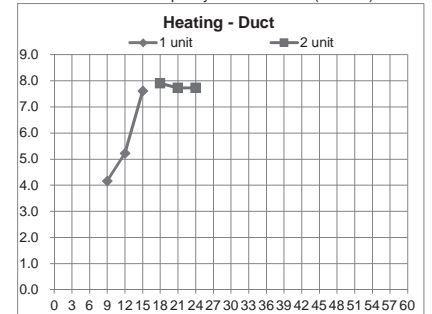
■Current (208V)

	1 unit	2 unit
6		
9	4.6	
12	5.8	
15	8.4	
18		8.7
21		8.6
24		8.6



■Current (230V)

	1 unit	2 unit
6		
9	4.2	
12	5.2	
15	7.6	
18		7.9
21		7.7
24		7.7



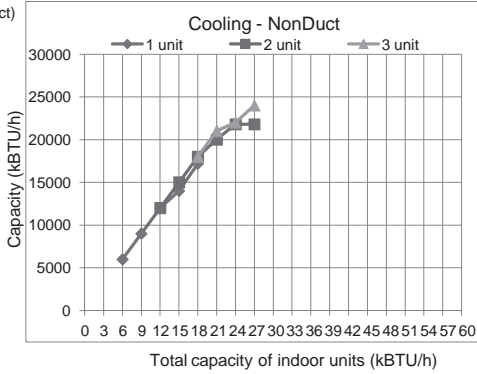
MXZ-3C24NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

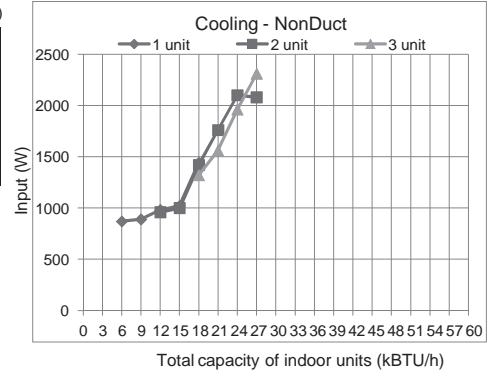
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	6000		
9	9000		
12	12000	12000	
15	14000	15000	
18	17200	18000	18000
21		20000	21000
24		21800	22000
27		21800	24000



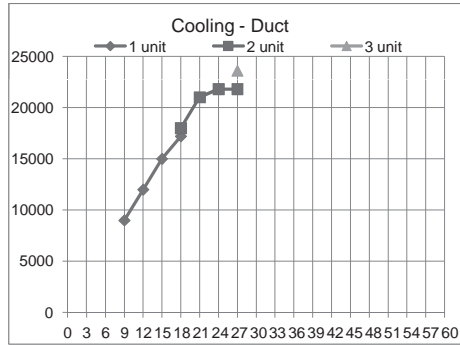
■ Input (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	870		
9	890		
12	980	960	
15	1020	1000	
18	1440	1420	1320
21		1760	1560
24		2100	1960
27		2080	2310



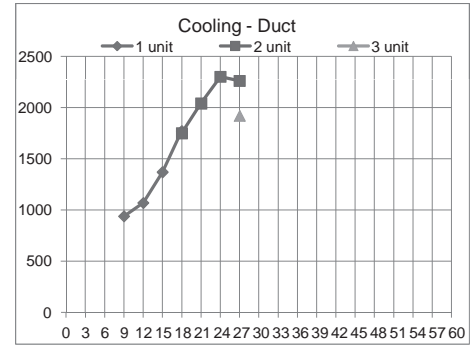
■ Capacity (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	9000		
12	12000		
15	15000		
18	17200	18000	
21		21000	
24		21800	
27		21800	23600



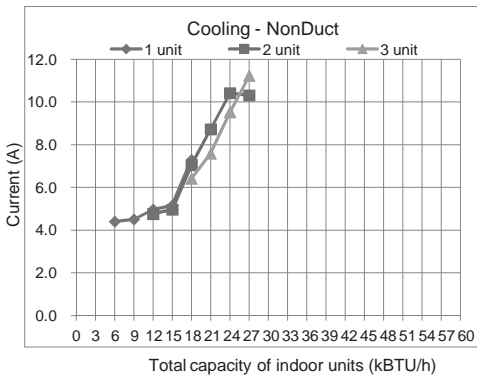
■ Input (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	940		
12	1070		
15	1370		
18	1770	1750	
21		2040	
24		2300	
27		2260	1920



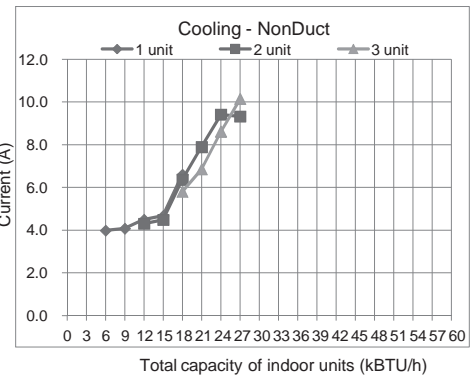
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.4		
9	4.5		
12	5.0	4.8	
15	5.2	5.0	
18	7.3	7.0	6.4
21		8.7	7.6
24		10.4	9.5
27		10.3	11.2



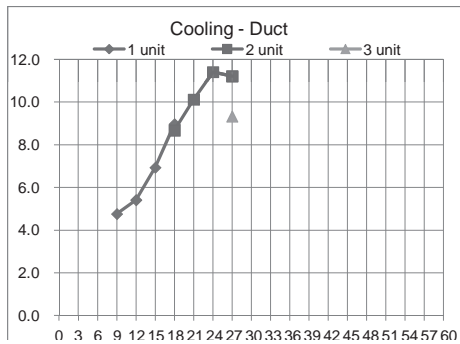
■ Current (230V)

	1 unit	2 unit	3 unit
6	4.0		
9	4.1		
12	4.5	4.3	
15	4.7	4.5	
18	6.6	6.4	5.8
21		7.9	6.9
24		9.4	8.6
27		9.3	10.1



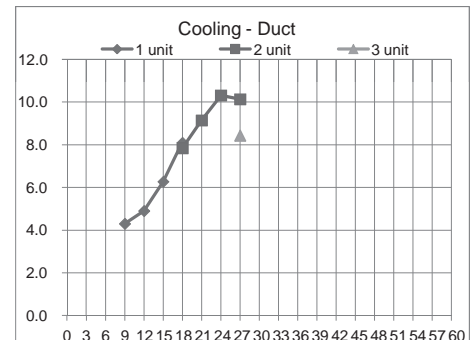
■ Current (208V)

	1 unit	2 unit	3 unit
6			
9	4.8		
12	5.4		
15	6.9		
18	9.0	8.7	
21		10.1	
24		11.4	
27		11.2	9.3



■ Current (230V)

	1 unit	2 unit	3 unit
6			
9	4.3		
12	4.9		
15	6.3		
18	8.1	7.8	
21		9.1	
24		10.3	
27		10.1	8.4



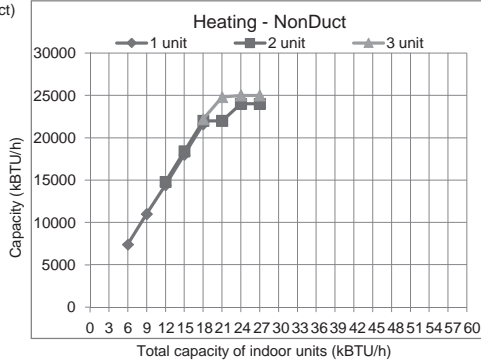
MXZ-3C24NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

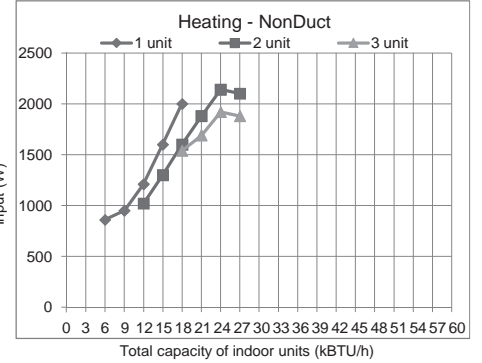
■ Capacity (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	7400		
9	11000		
12	14400	14800	
15	18000	18400	
18	21600	22000	22200
21		22000	24800
24		24000	25000
27		24000	25000



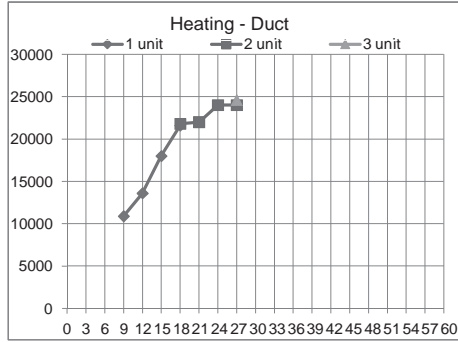
■ Input (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	860		
9	950		
12	1210	1020	
15	1600	1300	
18	2000	1600	1540
21		1880	1690
24		2140	1920
27		2100	1880



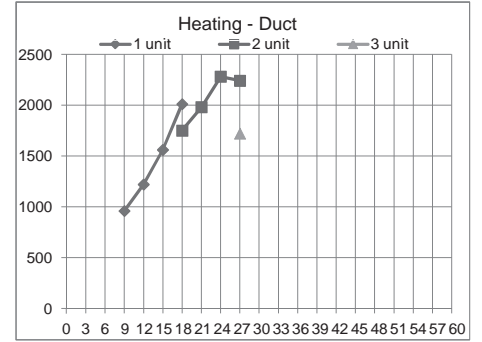
■ Capacity (Heating - Duct)

	1 unit	2 unit	3 unit
6	10900		
9	13600		
12	18000		
15	21600	21800	
18	21600	22000	
21		22000	
24		24000	
27		24000	24600



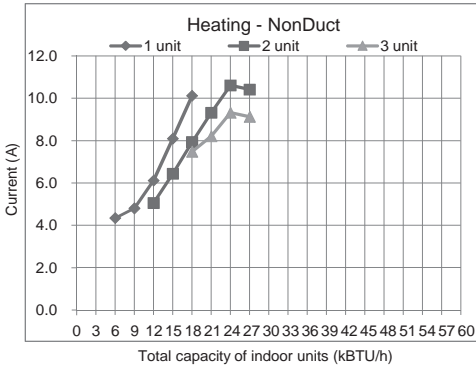
■ Input (Heating - Duct)

	1 unit	2 unit	3 unit
6	960		
9	1220		
12	1560		
15	2010	1750	
18	2010	1980	
21		2280	
24		2240	
27		2240	1720



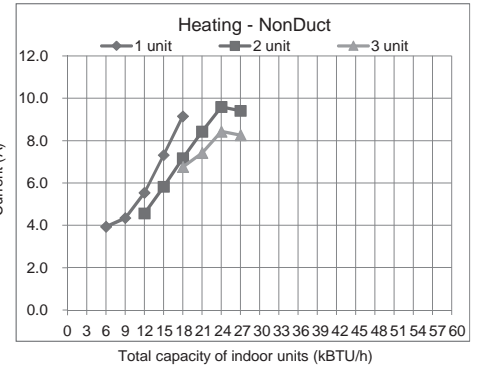
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.4		
9	4.8		
12	6.1	5.1	
15	8.1	6.4	
18	10.1	7.9	7.5
21		9.3	8.2
24		10.6	9.3
27		10.4	9.1



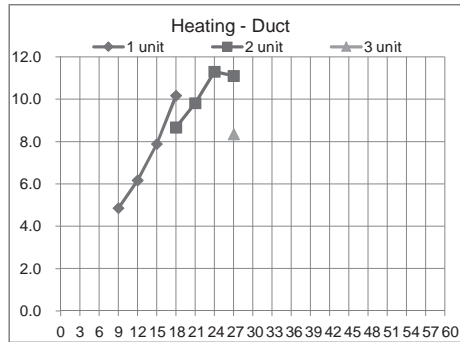
■ Current (230V)

	1 unit	2 unit	3 unit
6	3.9		
9	4.4		
12	5.5	4.6	
15	7.3	5.8	
18	9.2	7.2	6.8
21		8.4	7.4
24		9.6	8.4
27		9.4	8.3



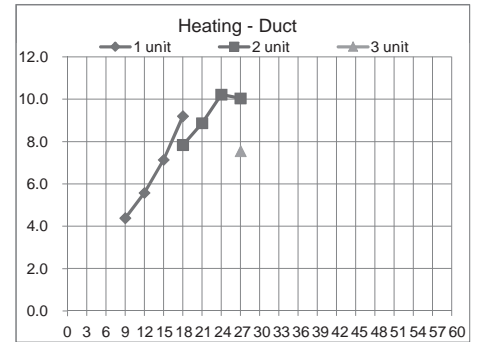
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.9		
9	6.2		
12	7.9		
15	10.2	8.7	
18		9.8	
21		11.3	
24		11.1	
27		11.1	8.4



■ Current (230V)

	1 unit	2 unit	3 unit
6	4.4		
9	5.6		
12	7.1		
15	9.2	7.8	
18		8.9	
21		10.2	
24		10.0	
27		10.0	7.6



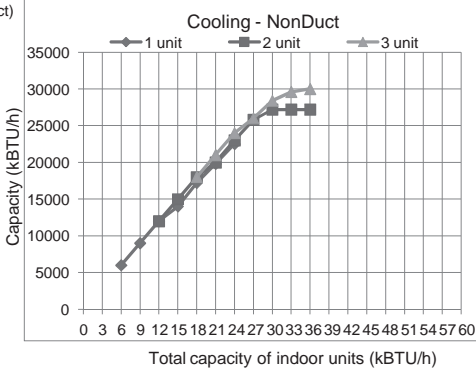
MXZ-3C30NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

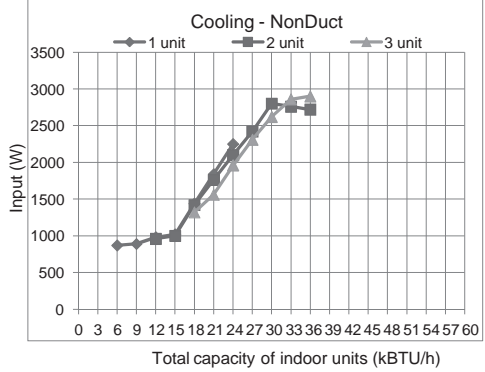
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	6000		
9	9000		
12	12000	12000	
15	14000	15000	
18	17200	18000	18000
21	19800	20000	21000
24	22500	23000	24000
27		25800	26000
30		27200	28400
33		27200	29600
36		27200	30000



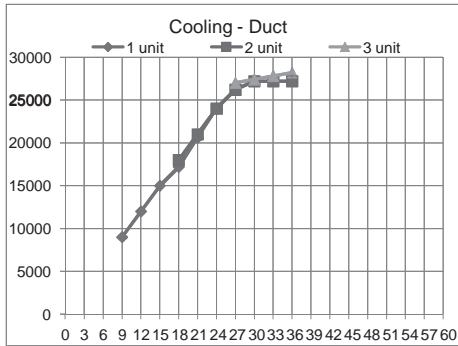
■ Input (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	870		
9	890		
12	980	960	
15	1020	1000	
18	1440	1420	1320
21	1840	1760	1560
24	2250	2100	1960
27		2420	2310
30		2800	2620
33		2760	2860
36		2720	2900



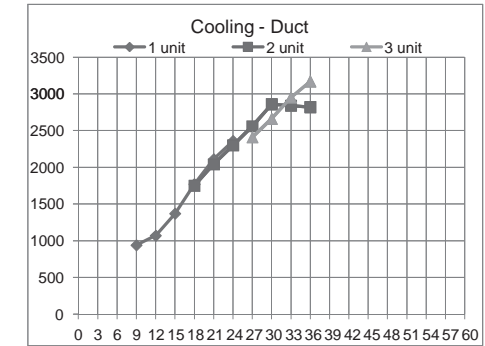
■ Capacity (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	9000		
12	12000		
15	15000		
18	17200	18000	
21	20600	21000	
24	24000	24000	
27		26200	27000
30		27200	27400
33		27200	27800
36		27200	28200



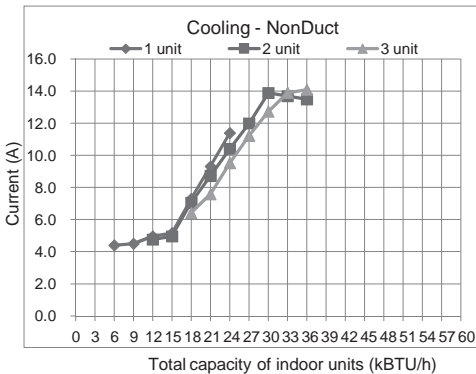
■ Input (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	940		
12	1070		
15	1370		
18	1770	1750	
21	2110	2040	
24	2360	2300	
27		2560	2410
30		2860	2660
33		2840	2950
36		2820	3170



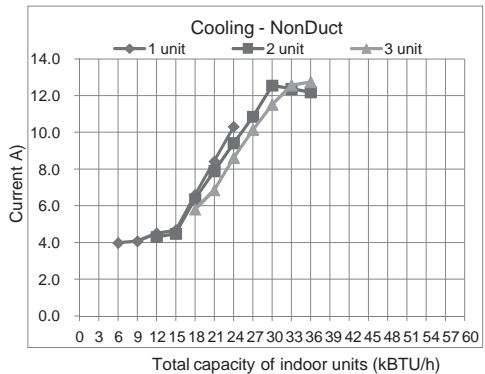
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.4		
9	4.5		
12	5.0	4.8	
15	5.2	5.0	
18	7.3	7.0	6.4
21	9.3	8.7	7.6
24	11.4	10.4	9.5
27		12.0	11.2
30		13.9	12.7
33		13.7	13.9
36		13.5	14.1



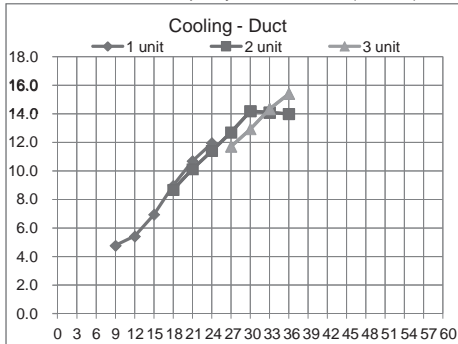
■ Current (230V)

	1 unit	2 unit	3 unit
6	4.0		
9	4.1		
12	4.5	4.3	
15	4.7	4.5	
18	6.6	6.4	5.8
21	8.4	7.9	6.9
24	10.3	9.4	8.6
27		10.9	10.1
30		12.6	11.5
33		12.4	12.6
36		12.2	12.7



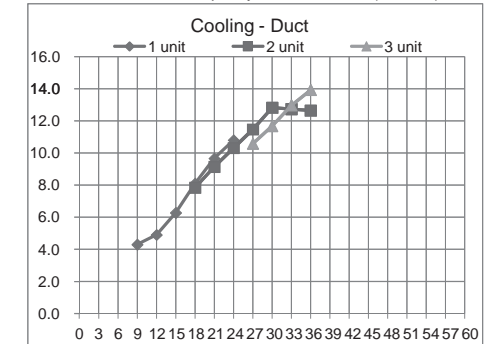
■ Current (208V)

	1 unit	2 unit	3 unit
6			
9	4.8		
12	5.4		
15	6.9		
18	9.0	8.7	
21	10.7	10.1	
24	11.9	11.4	
27		12.7	11.7
30		14.2	12.9
33		14.1	14.3
36		14.0	15.4



■ Current (230V)

	1 unit	2 unit	3 unit
6			
9	4.3		
12	4.9		
15	6.3		
18	8.1	7.8	
21	9.7	9.1	
24	10.8	10.3	
27		11.5	10.6
30		12.8	11.7
33		12.7	13.0
36		12.6	13.9



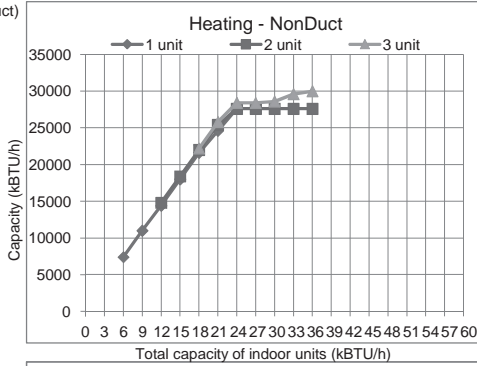
MXZ-3C30NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

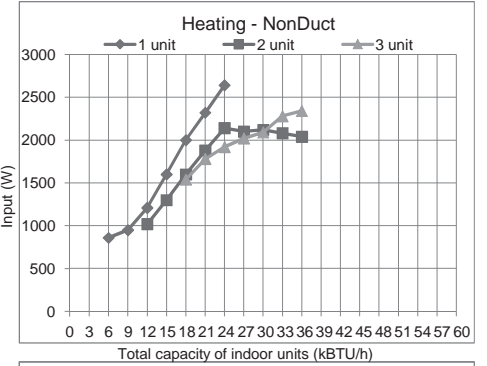
■ Capacity (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	7400		
9	11000		
12	14400	14800	
15	18000	18400	
18	21600	22000	22200
21	24600	25400	25800
24	27600	27600	28400
27		27600	28400
30		27600	28600
33		27600	29600
36		27600	30000



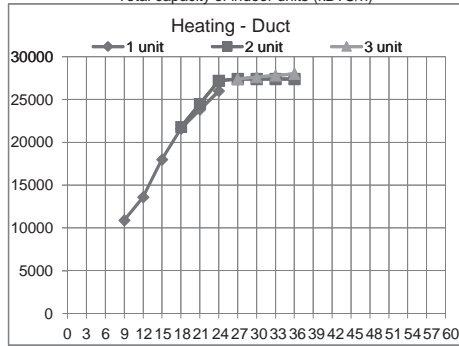
■ Input (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	860		
9	950		
12	1210	1020	
15	1600	1300	
18	2000	1600	1540
21	2320	1880	1780
24	2640	2140	1920
27		2100	2020
30		2120	2090
33		2080	2280
36		2040	2340



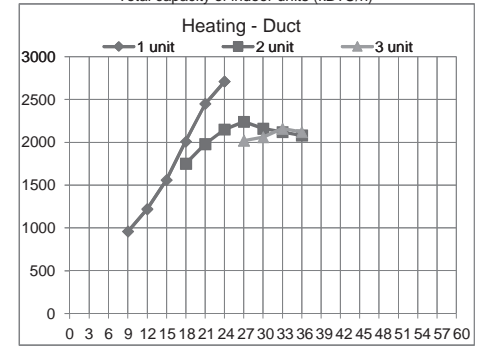
■ Capacity (Heating - Duct)

	1 unit	2 unit	3 unit
6			
9	10900		
12	13600		
15	18000		
18	21600	21800	
21	23800	24500	
24	26000	27200	
27		27400	27400
30		27400	27600
33		27400	27800
36		27400	28000



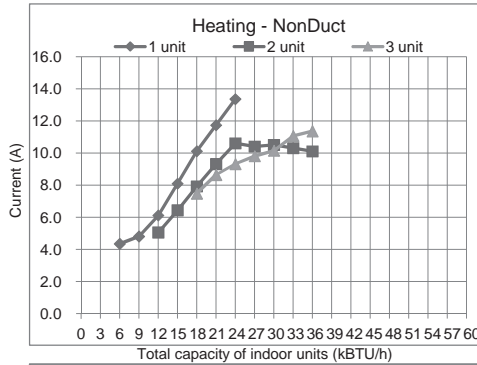
■ Input (Heating - Duct)

	1 unit	2 unit	3 unit
6			
9	960		
12	1220		
15	1560		
18	2010	1750	
21	2450	1980	
24	2710	2150	
27		2240	2020
30		2160	2060
33		2120	2160
36		2080	2120



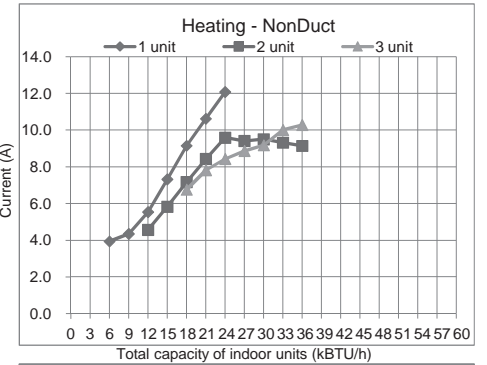
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.4		
9	4.8		
12	6.1	5.1	
15	8.1	6.4	
18	10.1	7.9	7.5
21	11.7	9.3	8.6
24	13.4	10.6	9.3
27		10.4	9.8
30		10.5	10.2
33		10.3	11.1
36		10.1	11.4



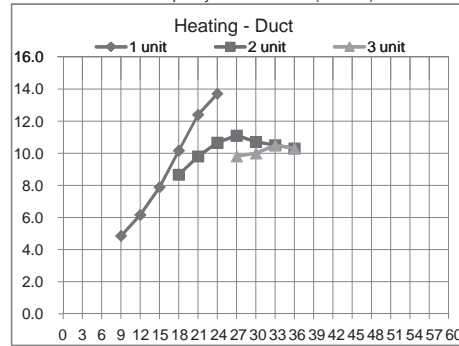
■ Current (230V)

	1 unit	2 unit	3 unit
6	3.9		
9	4.4		
12	5.5	4.6	
15	7.3	5.8	
18	9.2	7.2	6.8
21	10.6	8.4	7.8
24	12.1	9.6	8.4
27		9.4	8.9
30		9.5	9.2
33		9.3	10.0
36		9.1	10.3



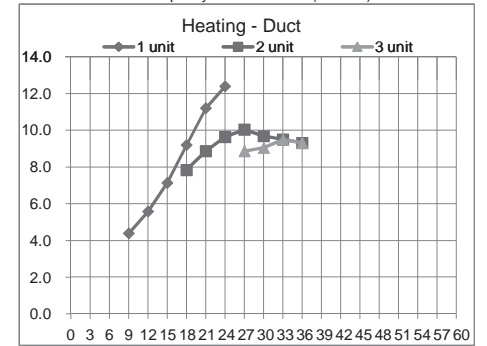
■ Current (208V)

	1 unit	2 unit	3 unit
6			
9	4.9		
12	6.2		
15	7.9		
18	10.2	8.7	
21	12.4	9.8	
24	13.7	10.7	
27		11.1	9.8
30		10.7	10.0
33		10.5	10.5
36		10.3	10.3



■ Current (230V)

	1 unit	2 unit	3 unit
6			
9	4.4		
12	5.6		
15	7.1		
18	9.2	7.8	
21	11.2	8.9	
24	12.4	9.6	
27		10.0	8.9
30		9.7	9.1
33		9.5	9.5
36		9.3	9.3



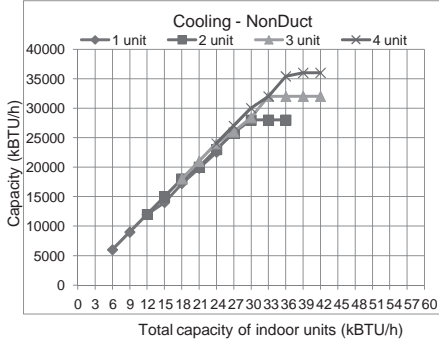
MXZ-4C36NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

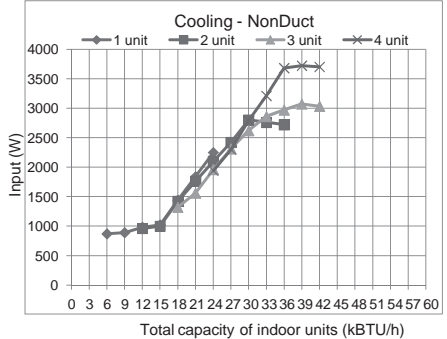
Capacity (Cooling - NonDuct)

	1 unit	2 unit	3 unit	4 unit
6	6000			
9	9000			
12	12000	12000		
15	14000	15000		
18	17200	18000	18000	
21	19800	20000	21000	
24	22500	23000	24000	24000
27		25800	26000	27000
30		28000	28400	30000
33		28000	32000	32000
36		28000	32000	35400
39			32000	36000
42			32000	36000



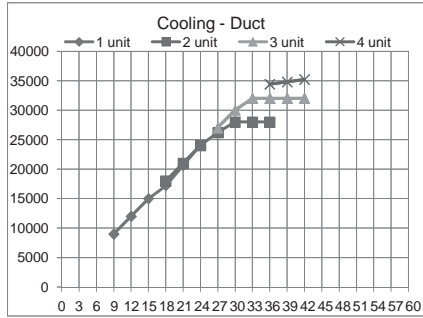
Input (Cooling - NonDuct)

	1 unit	2 unit	3 unit	4 unit
6	870			
9	890			
12	980	960		
15	1020	1000		
18	1440	1420	1320	
21	1840	1760	1560	
24	2250	2100	1960	1940
27		2420	2310	2300
30		2800	2620	2790
33		2760	2860	3210
36		2720	2970	3680
39			3070	3720
42			3030	3700



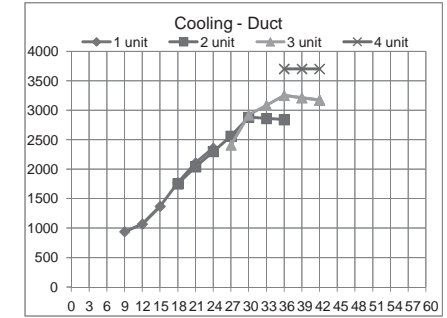
Capacity (Cooling - Duct)

	1 unit	2 unit	3 unit	4 unit
6				
9	9000			
12	12000			
15	15000			
18	17200	18000		
21	20600	21000		
24	24000	24000		
27		26200	27000	
30		28000	30000	
33		28000	32000	
36		28000	32000	34400
39			32000	34800
42			32000	35200



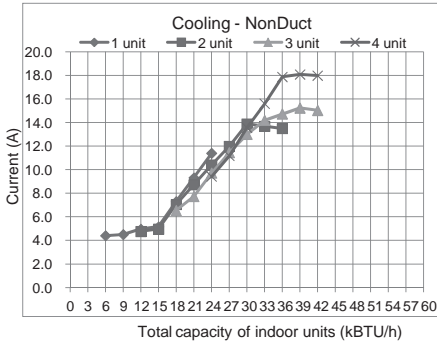
Input (Cooling - Duct)

	1 unit	2 unit	3 unit	4 unit
6				
9	940			
12	1070			
15	1370			
18	1770	1750		
21	2110	2040		
24	2360	2300		
27		2560	2410	
30		2880	2920	
33		2860	3080	
36		2840	3250	3700
39			3210	3700
42			3170	3700



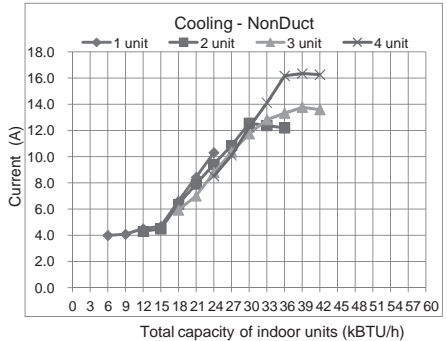
Current (208V)

	1 unit	2 unit	3 unit	4 unit
6	4.4			
9	4.5			
12	5.0	4.8		
15	5.2	5.0		
18	7.3	7.0	6.5	
21	9.3	8.7	7.7	
24	11.4	10.4	9.7	9.4
27		12.0	11.5	11.2
30		13.9	13.0	13.6
33		13.7	14.2	15.6
36		13.5	14.7	17.9
39			15.2	18.1
42			15.0	18.0



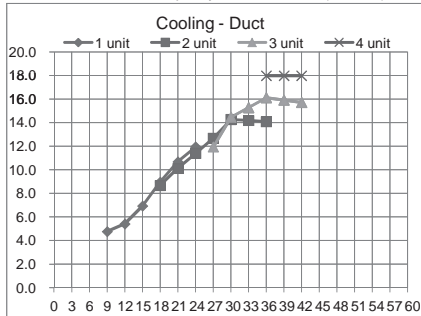
Current (230V)

	1 unit	2 unit	3 unit	4 unit
6	4.0			
9	4.1			
12	4.5	4.3		
15	4.7	4.5		
18	6.6	6.4	5.9	
21	8.4	7.9	7.0	
24	10.3	9.4	8.8	8.5
27		10.9	10.4	10.1
30		12.6	11.7	12.3
33		12.4	12.8	14.1
36		12.2	13.3	16.2
39			13.8	16.3
42			13.6	16.3



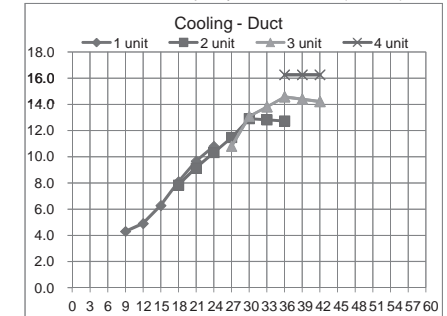
Current (208V)

	1 unit	2 unit	3 unit	4 unit
6				
9	4.8			
12	5.4			
15	6.9			
18	9.0	8.7		
21	10.7	10.1		
24	11.9	11.4		
27		12.7	11.9	
30		14.3	14.5	
33		14.2	15.3	
36		14.1	16.1	18.0
39			15.9	18.0
42			15.7	18.0



Current (230V)

	1 unit	2 unit	3 unit	4 unit
6				
9	4.3			
12	4.9			
15	6.3			
18	8.1	7.8		
21	9.7	9.1		
24	10.8	10.3		
27		11.5	10.8	
30		12.9	13.1	
33		12.8	13.8	
36		12.7	14.6	16.3
39			14.4	16.3
42			14.2	16.3



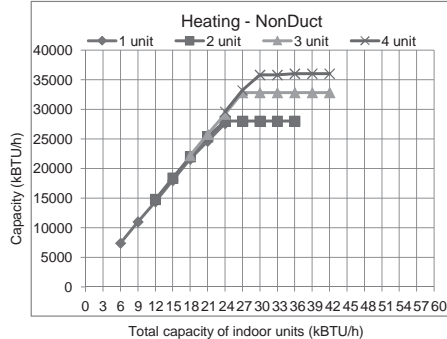
MXZ-4C36NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

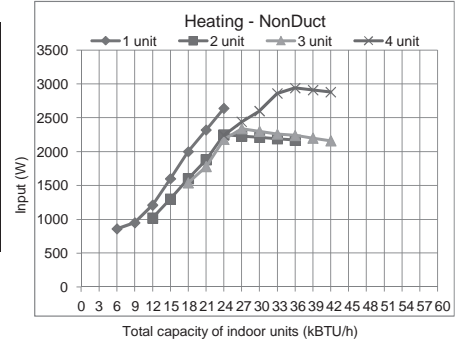
■ Capacity (Heating - NonDuct)

	1 unit	2 unit	3 unit	4 unit
6	7400			
9	11000			
12	14400	14800		
15	18000	18400		
18	21600	22000	22200	
21	24600	25400	25800	
24	27600	28000	29200	29600
27		28000	32800	33200
30		28000	32800	35800
33		28000	32800	35800
36		28000	32800	36000
39			32800	36000
42			32800	36000



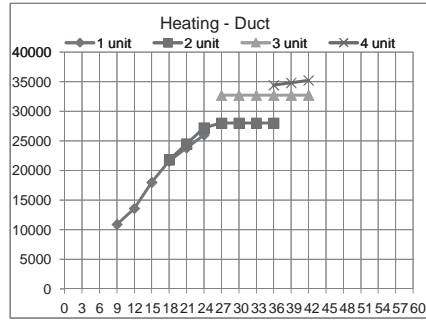
■ Input (Heating - NonDuct)

	1 unit	2 unit	3 unit	4 unit
6	860			
9	950			
12	1210	1020		
15	1600	1300		
18	2000	1600	1540	
21	2320	1880	1780	
24	2640	2250	2180	2240
27		2230	2340	2440
30		2210	2300	2600
33		2190	2260	2860
36		2170	2240	2940
39			2200	2910
42			2160	2880



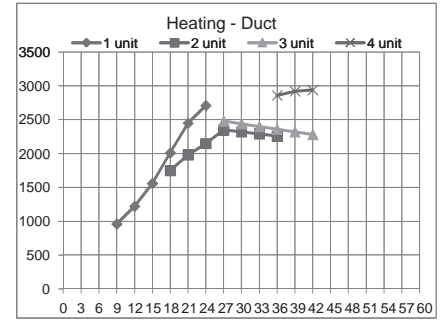
■ Capacity (Heating - Duct)

	1 unit	2 unit	3 unit	4 unit
6				
9	10900			
12	13600			
15	18000			
18	21600	21800		
21	23800	24500		
24	26000	27200		
27		28000	32700	
30		28000	32700	
33		28000	32700	
36		28000	32700	34400
39			32700	34800
42			32700	35200



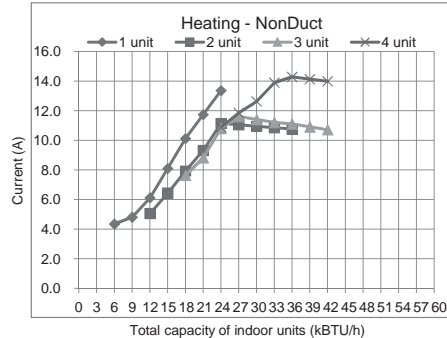
■ Input (Heating - Duct)

	1 unit	2 unit	3 unit	4 unit
6				
9	960			
12	1220			
15	1560			
18	2010	1750		
21	2450	1980		
24	2710	2150		
27		2350	2480	
30		2320	2440	
33		2290	2400	
36		2260	2360	2860
39			2320	2920
42			2280	2940



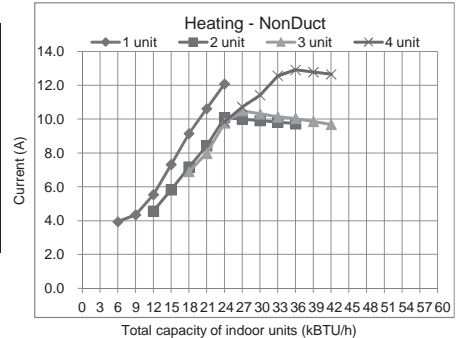
■ Current (208V)

	1 unit	2 unit	3 unit	4 unit
6	4.4			
9	4.8			
12	6.1	5.1		
15	8.1	6.4		
18	10.1	7.9	7.6	
21	11.7	9.3	8.8	
24	13.4	11.2	10.8	10.9
27		11.1	11.6	11.9
30		11.0	11.4	12.6
33		10.9	11.2	13.9
36		10.8	11.1	14.3
39			10.9	14.1
42			10.7	14.0



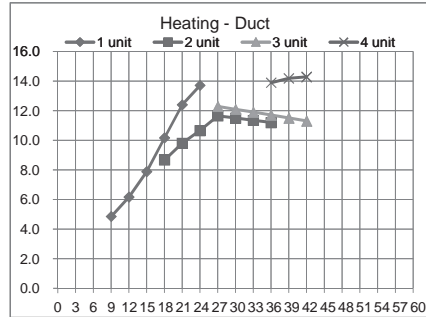
■ Current (230V)

	1 unit	2 unit	3 unit	4 unit
6	3.9			
9	4.4			
12	5.5	4.6		
15	7.3	5.8		
18	9.2	7.2	6.9	
21	10.6	8.4	8.0	
24	12.1	10.1	9.8	9.8
27		10.0	10.5	10.7
30		9.9	10.3	11.4
33		9.8	10.1	12.6
36		9.7	10.0	12.9
39			9.9	12.8
42			9.7	12.7



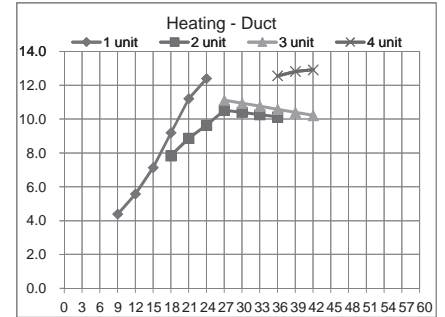
■ Current (208V)

	1 unit	2 unit	3 unit	4 unit
6				
9	4.9			
12	6.2			
15	7.9			
18	10.2	8.7		
21	12.4	9.8		
24	13.7	10.7		
27		11.7	12.3	
30		11.5	12.1	
33		11.4	11.9	
36		11.2	11.7	13.9
39			11.5	14.2
42			11.3	14.3



■ Current (230V)

	1 unit	2 unit	3 unit	4 unit
6				
9	4.4			
12	5.6			
15	7.1			
18	9.2	7.8		
21	11.2	8.9		
24	12.4	9.6		
27		10.5	11.1	
30		10.4	10.9	
33		10.3	10.8	
36		10.1	10.6	12.6
39			10.4	12.8
42			10.2	12.9



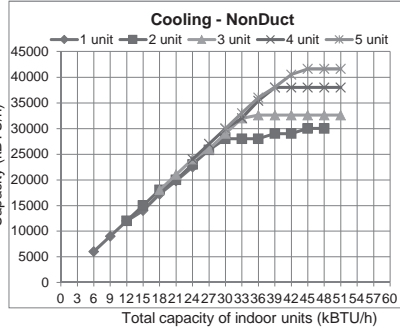
MXZ-5C42NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

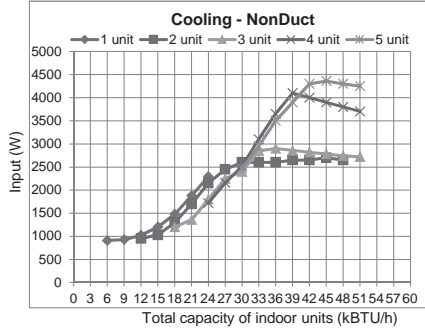
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	6000				
9	9000				
12	12000	12000			
15	14000	15000			
18	17200	18000	18000		
21	19800	20000	21000		
24	22500	23000	24000	24000	
27		25800	26000	27000	
30		28000	29000	30000	30000
33		28000	32000	32000	33000
36		28000	32600	35400	36000
39		29000	32600	38000	38000
42		29000	32600	38000	40500
45		30000	32600	38000	41600
48		30000	32600	38000	41600
51			32600	38000	41600



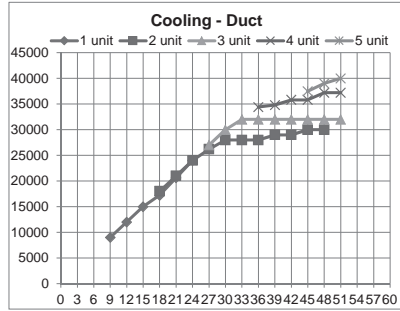
■ Input (Cooling - NonDuct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	910				
9	930				
12	1020	950			
15	1200	1030			
18	1480	1300	1200		
21	1880	1700	1360		
24	2290	2150	1800	1720	
27		2450	2250	2160	
30		2600	2400	2520	2470
33		2600	2850	3100	2950
36		2600	2900	3650	3500
39		2650	2860	4100	3900
42		2650	2820	4000	4300
45		2700	2780	3900	4360
48		2650	2740	3800	4300
51			2720	3700	4250



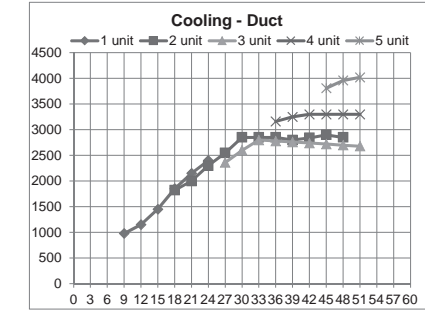
■ Capacity (Cooling - Duct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	9000				
12	12000				
15	15000				
18	17200	18000			
21	20600	21000			
24	24000	24000			
27		26200	27000		
30		28000	30000		
33		28000	32000		
36		28000	32000	34400	
39		29000	32000	34800	
42		29000	32000	35800	
45		30000	32000	35800	37500
48		30000	32000	37200	39000
51			32000	37200	40000



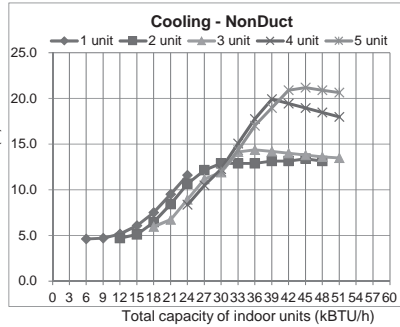
■ Input (Cooling - Duct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	980				
12	1150				
15	1450				
18	1850	1820			
21	2150	2000			
24	2400	2300			
27		2550	2360		
30		2850	2600		
33		2850	2800		
36		2850	2780	3160	
39		2800	2760	3250	
42		2840	2740	3300	
45		2900	2720	3300	3810
48		2850	2700	3300	3960
51			2680	3300	4020



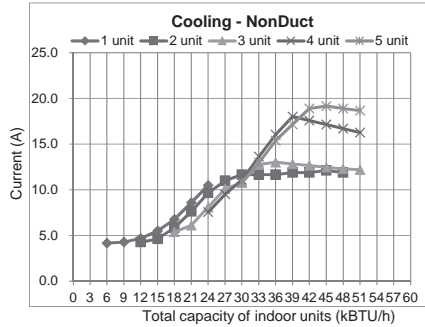
■ Current (208V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	4.6				
9	4.7				
12	5.2	4.7			
15	6.1	5.1			
18	7.5	6.4	6.0		
21	9.5	8.4	6.7		
24	11.6	10.7	8.9	8.4	
27		12.1	11.2	10.5	
30		12.9	11.9	12.2	12.0
33		12.9	14.1	15.1	14.3
36		12.9	14.4	17.7	17.0
39		13.1	14.2	19.9	18.9
42		13.1	14.0	19.4	20.9
45		13.4	13.8	18.9	21.2
48		13.1	13.6	18.5	20.9
51			13.5	18.0	20.6



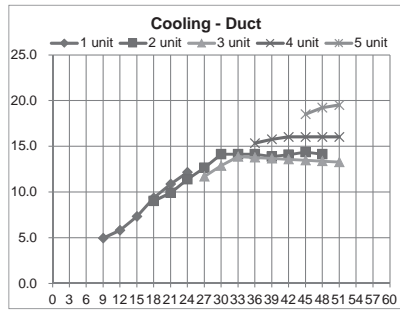
■ Current (230V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	4.2				
9	4.3				
12	4.7	4.3			
15	5.5	4.6			
18	6.8	5.8	5.4		
21	8.6	7.6	6.1		
24	10.5	9.6	8.1	7.6	
27		11.0	10.1	9.5	
30		11.7	10.8	11.1	10.9
33		11.7	12.8	13.6	13.0
36		11.7	13.0	16.0	15.4
39		11.9	12.8	18.0	17.1
42		11.9	12.6	17.6	18.9
45		12.1	12.5	17.1	19.2
48		11.9	12.3	16.7	18.9
51			12.2	16.3	18.7



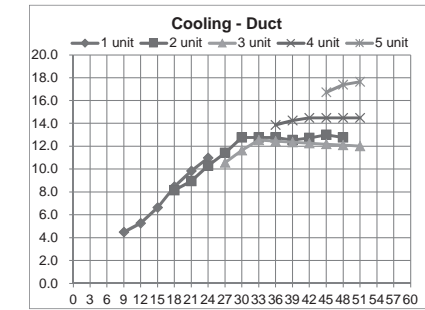
■ Current (208V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	5.0				
12	5.8				
15	7.3				
18	9.4	9.0			
21	10.9	9.9			
24	12.2	11.4			
27		12.6	11.7		
30		14.1	12.9		
33		14.1	13.9		
36		14.1	13.8	15.4	
39		13.9	13.7	15.8	
42		14.1	13.6	16.0	
45		14.4	13.5	16.0	18.5
48		14.1	13.4	16.0	19.2
51			13.3	16.0	19.5



■ Current (230V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	4.5				
12	5.3				
15	6.6				
18	8.5	8.2			
21	9.8	9.0			
24	11.0	10.3			
27		11.4	10.6		
30		12.8	11.7		
33		12.8	12.6		
36		12.8	12.5	13.9	
39		12.6	12.4	14.3	
42		12.7	12.3	14.5	
45		13.0	12.2	14.5	16.7
48		12.8	12.1	14.5	17.4
51			12.0	14.5	17.7



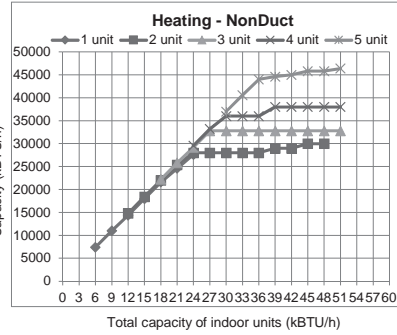
MXZ-5C42NA2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

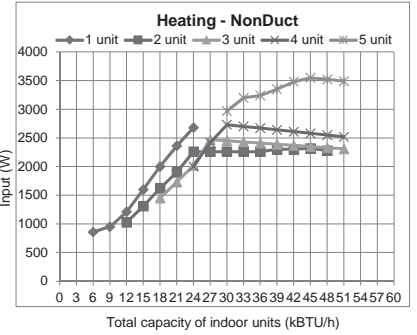
■ Capacity (Heating - NonDuct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	7400				
9	11000				
12	14400	14800			
15	18000	18400			
18	21600	22000	22200		
21	24600	25400	25800		
24	27600	28000	29200	29600	
27		28000	32800	33200	
30		28000	32800	36000	37000
33		28000	32800	36000	40600
36		28000	32800	36000	44000
39		29000	32800	38000	44600
42		29000	32800	38000	45000
45		30000	32800	38000	45800
48		30000	32800	38000	45800
51			32800	38000	46400



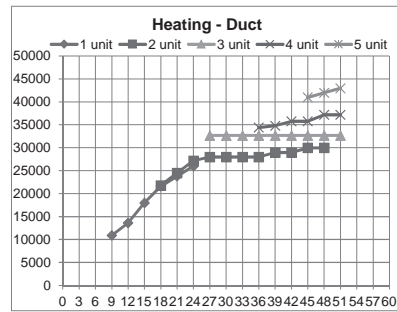
■ Input (Heating - NonDuct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	860				
9	950				
12	1210	1030			
15	1600	1310			
18	2000	1620	1450		
21	2360	1900	1730		
24	2680	2260	2020	2000	
27		2260	2470	2420	
30		2260	2450	2730	2970
33		2260	2430	2700	3200
36		2260	2410	2670	3240
39		2300	2390	2640	3350
42		2300	2370	2610	3480
45		2320	2350	2580	3550
48		2280	2330	2550	3520
51			2310	2520	3490



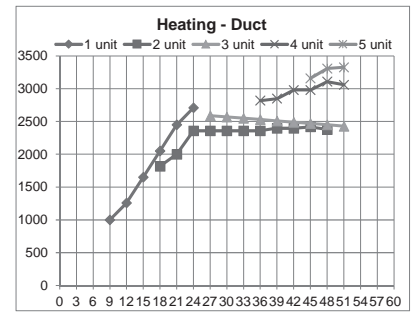
■ Capacity (Heating - Duct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	10900				
12	13600				
15	18000				
18	21600	21800			
21	23800	24500			
24	26000	27200			
27		28000	32700		
30		28000	32700		
33		28000	32700		
36		28000	32700	34400	
39		29000	32700	34800	
42		29000	32700	35800	
45		30000	32700	35800	41000
48		30000	32700	37200	42000
51			32700	37200	43000



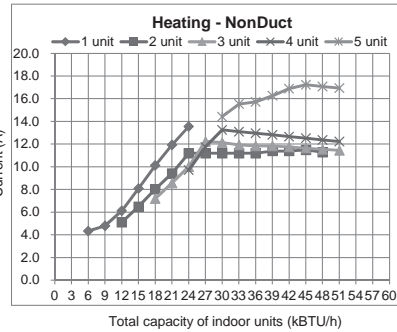
■ Input (Heating - Duct)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	1000				
12	1260				
15	1650				
18	2050	1820			
21	2450	2000			
24	2710	2360			
27		2360	2590		
30		2360	2570		
33		2360	2550		
36		2360	2530	2820	
39		2400	2510	2850	
42		2400	2490	2980	
45		2420	2470	2980	3160
48		2380	2450	3110	3310
51			2430	3060	3330



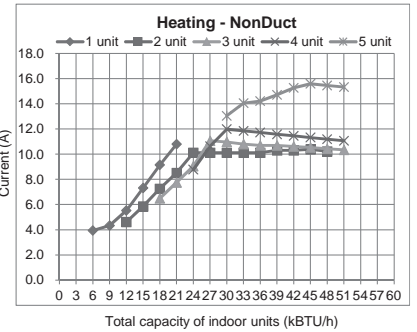
■ Current (208V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	4.4				
9	4.8				
12	6.1	5.1			
15	8.1	6.5			
18	10.1	8.0	7.2		
21	11.9	9.4	8.6		
24	13.6	11.2	10.0	9.7	
27		11.2	12.2	11.8	
30		11.2	12.1	13.3	14.4
33		11.2	11.9	13.1	15.5
36		11.2	11.9	13.0	15.7
39		11.4	11.9	12.8	16.3
42		11.4	11.8	12.7	16.9
45		11.5	11.7	12.5	17.2
48		11.3	11.6	12.4	17.1
51			11.5	12.2	17.0



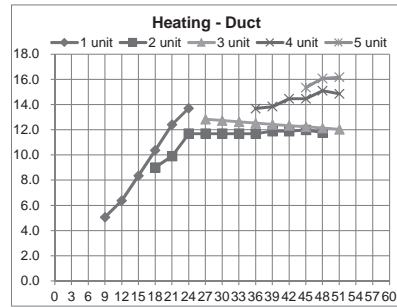
■ Current (230V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6	3.9				
9	4.4				
12	5.5	4.6			
15	7.3	5.9			
18	9.2	7.3	6.5		
21	10.8	8.5	7.8		
24	10.1	9.1	8.8		
27		10.1	11.1	10.6	
30		10.1	11.0	12.0	13.0
33		10.1	10.8	11.9	14.1
36		10.1	10.7	11.7	14.2
39		10.3	10.7	11.6	14.7
42		10.3	10.6	11.5	15.3
45		10.4	10.5	11.3	15.6
48		10.2	10.4	11.2	15.5
51			10.4	11.1	15.3



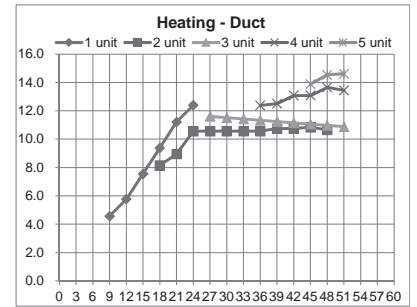
■ Current (208V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	5.1				
12	6.4				
15	8.4				
18	10.4	9.0			
21	12.4	9.9			
24	13.7	11.7			
27		11.7	12.8		
30		11.7	12.7		
33		11.7	12.6		
36		11.7	12.5	13.7	
39		11.9	12.4	13.8	
42		11.9	12.3	14.5	
45		12.0	12.2	14.5	15.4
48		11.8	12.1	15.1	16.1
51			12.0	14.9	16.2



■ Current (230V)

	1 unit	2 unit	3 unit	4 unit	5 unit
6					
9	4.6				
12	5.8				
15	7.6				
18	9.4	8.2			
21	11.2	9.0			
24	12.4	10.6			
27		10.6	11.6		
30		10.6	11.5		
33		10.6	11.4		
36		10.6	11.3	12.4	
39		10.8	11.3	12.5	
42		10.8	11.2	13.1	
45		10.9	11.1	13.1	13.9
48		10.7	11.0	13.7	14.5
51			10.9	13.4	14.6



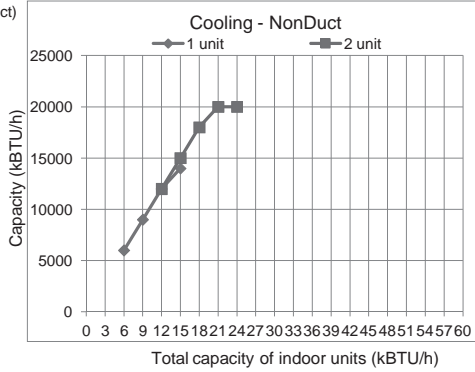
MXZ-2C20NAHZ2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

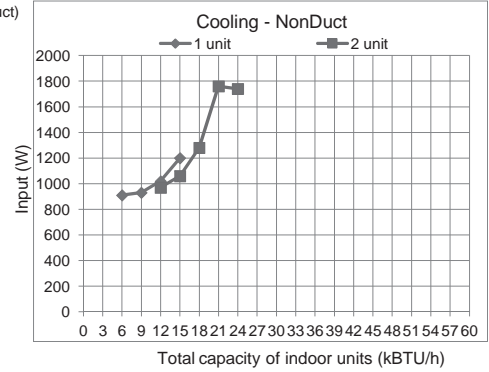
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit
6	6000	
9	9000	
12	12000	12000
15	14000	15000
18		18000
21		20000
24		20000



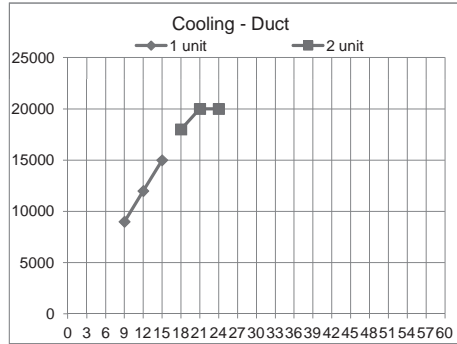
■ Input (Cooling - NonDuct)

	1 unit	2 unit
6	910	
9	930	
12	1020	970
15	1200	1060
18		1280
21		1760
24		1740



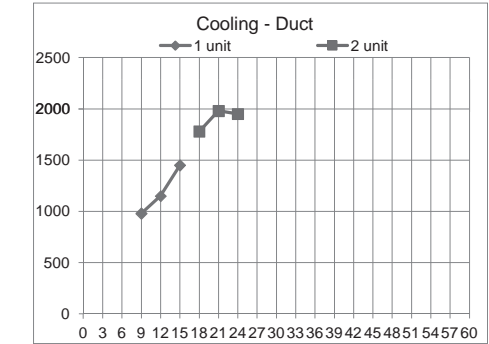
■ Capacity (Cooling - Duct)

	1 unit	2 unit
6		
9	9000	
12	12000	
15	15000	
18		18000
21		20000
24		20000



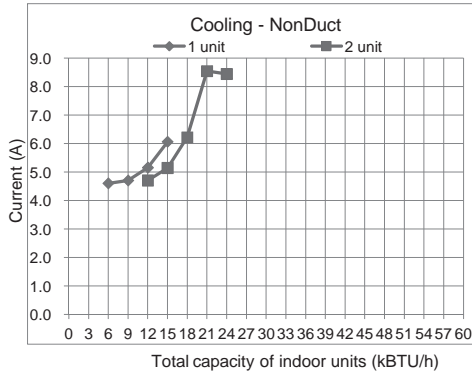
■ Input (Cooling - Duct)

	1 unit	2 unit
6		
9	980	
12	1150	
15	1450	
18		1780
21		1980
24		1950



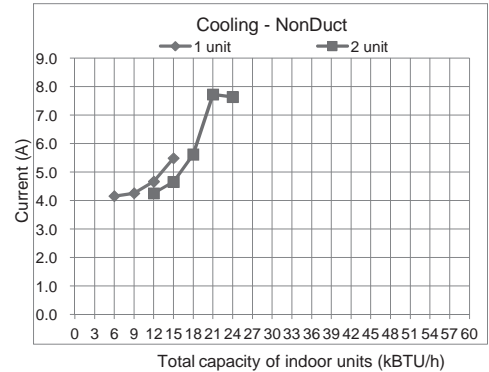
■ Current (208V)

	1 unit	2 unit
6	4.6	
9	4.7	
12	5.2	4.7
15	6.1	5.2
18		6.2
21		8.6
24		8.5



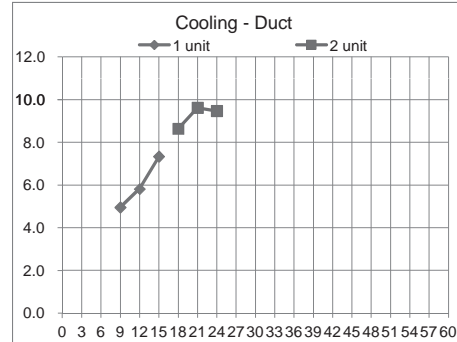
■ Current (230V)

	1 unit	2 unit
6	4.2	
9	4.3	
12	4.7	4.3
15	5.5	4.7
18		5.6
21		7.7
24		7.6



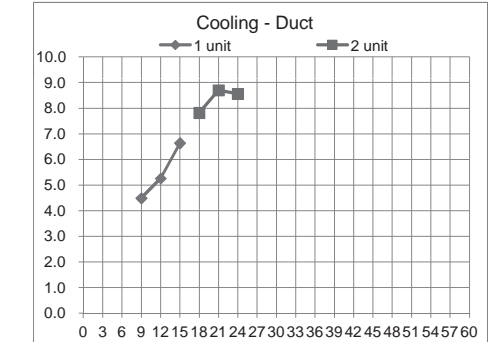
■ Current (208V)

	1 unit	2 unit
6		
9	5.0	
12	5.8	
15	7.3	
18		8.6
21		9.6
24		9.5



■ Current (230V)

	1 unit	2 unit
6		
9	4.5	
12	5.3	
15	6.6	
18		7.8
21		8.7
24		8.6



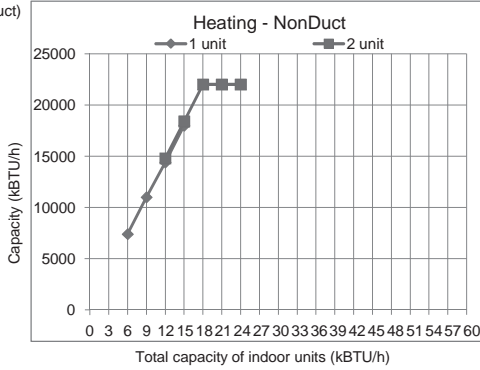
MXZ-2C20NAHZ2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

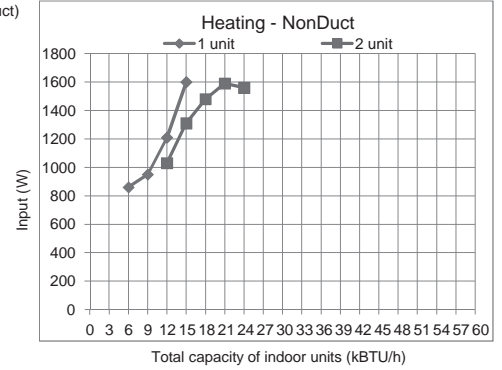
■ Capacity (Heating) - NonDuct

	1 unit	2 unit
6	7400	
9	11000	
12	14400	14800
15	18000	18400
18		22000
21		22000
24		22000



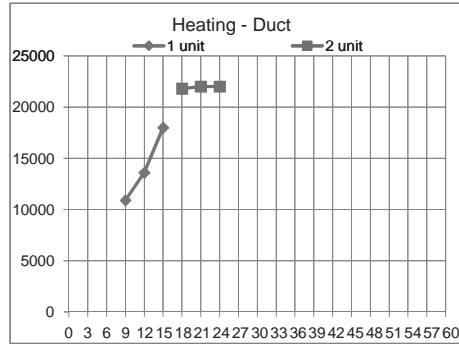
■ Input (Heating) - NonDuct

	1 unit	2 unit
6	860	
9	950	
12	1210	1030
15	1600	1310
18		1480
21		1590
24		1560



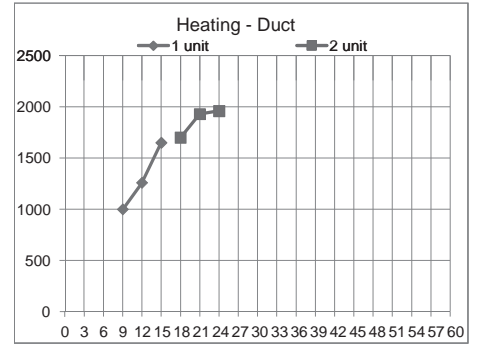
■ Capacity (Heating) - Duct

	1 unit	2 unit
6		
9	10900	
12	13600	
15	18000	
18		21800
21		22000
24		22000



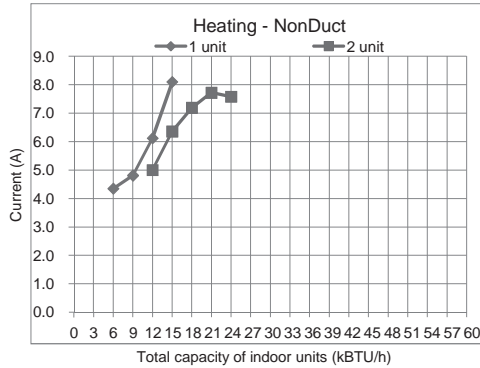
■ Input (Heating) - Duct

	1 unit	2 unit
6		
9	1000	
12	1260	
15	1650	
18		1700
21		1930
24		1960



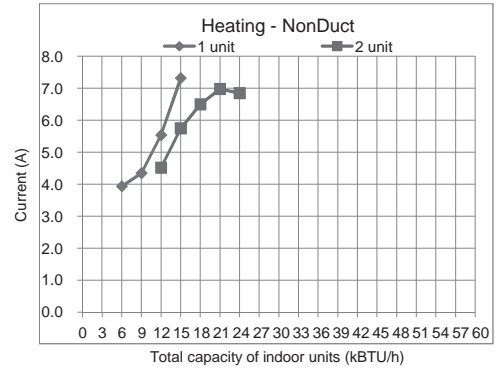
■ Current (208V)

	1 unit	2 unit
6	4.4	
9	4.8	
12	6.1	5.0
15	8.1	6.4
18		7.2
21		7.7
24		7.6



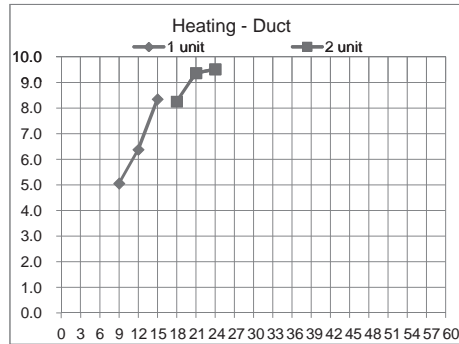
■ Current (230V)

	1 unit	2 unit
6	3.9	
9	4.4	
12	5.5	4.5
15	7.3	5.8
18		6.5
21		7.0
24		6.9



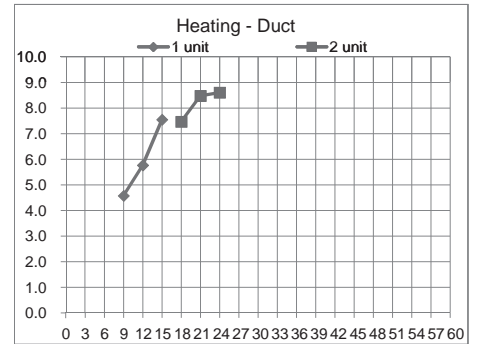
■ Current (208V)

	1 unit	2 unit
6		
9	5.1	
12	6.4	
15	8.4	
18		8.3
21		9.4
24		9.5



■ Current (230V)

	1 unit	2 unit
6		
9	4.6	
12	5.8	
15	7.6	
18		7.5
21		8.5
24		8.6



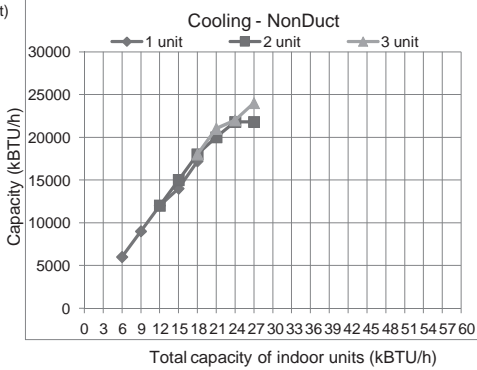
MXZ-3C24NAHZ2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

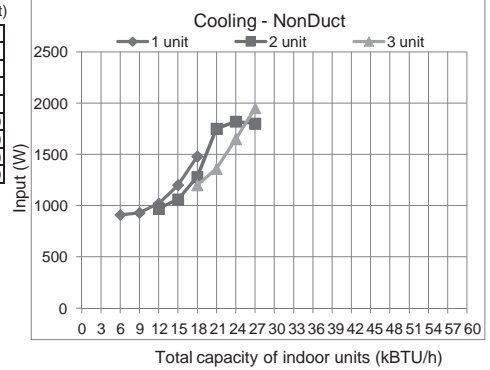
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	6000		
9	9000		
12	12000	12000	
15	14000	15000	
18	17200	18000	18000
21		20000	21000
24		21800	22000
27		21800	24000



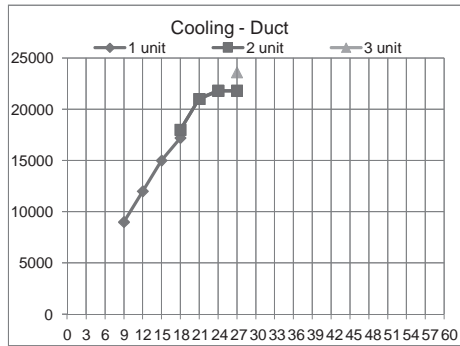
■ Input (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	910		
9	930		
12	1020	970	
15	1200	1060	
18	1480	1280	1200
21		1750	1360
24		1820	1650
27		1800	1950



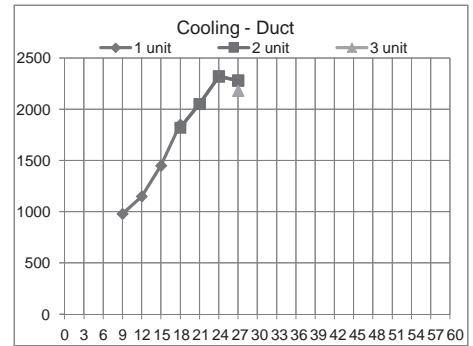
■ Capacity (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	9000		
12	12000		
15	15000		
18	17200	18000	
21		21000	
24		21800	
27		21800	23600



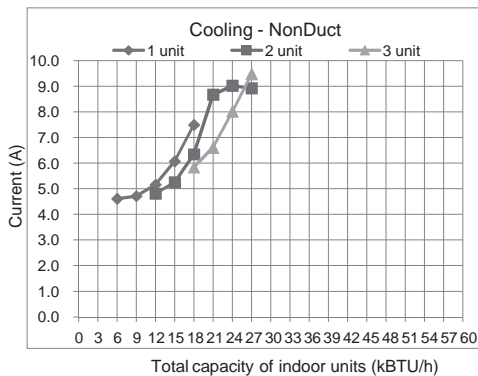
■ Input (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	980		
12	1150		
15	1450		
18	1850	1820	
21		2050	
24		2320	
27		2280	2180



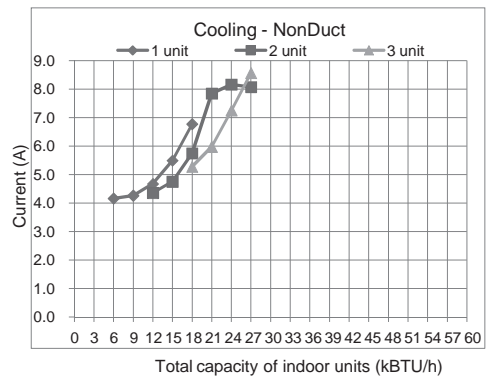
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.6		
9	4.7		
12	5.2	4.8	
15	6.1	5.3	
18	7.5	6.3	5.8
21		8.7	6.6
24		9.0	8.0
27		8.9	9.5



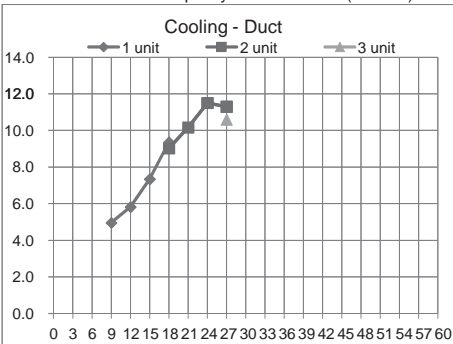
■ Current (230V)

	1 unit	2 unit	3 unit
6	4.2		
9	4.3		
12	4.7	4.4	
15	5.5	4.8	
18	6.8	5.7	5.3
21		7.8	6.0
24		8.2	7.3
27		8.1	8.6



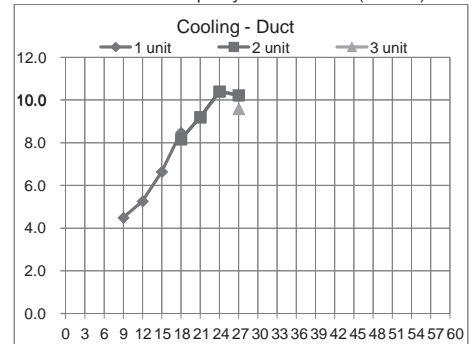
■ Current (208V)

	1 unit	2 unit	3 unit
6			
9	5.0		
12	5.8		
15	7.3		
18	9.4	9.0	
21		10.2	
24		11.5	
27		11.3	10.6



■ Current (230V)

	1 unit	2 unit	3 unit
6			
9	4.5		
12	5.3		
15	6.6		
18	8.5	8.2	
21		9.2	
24		10.4	
27		10.2	9.6



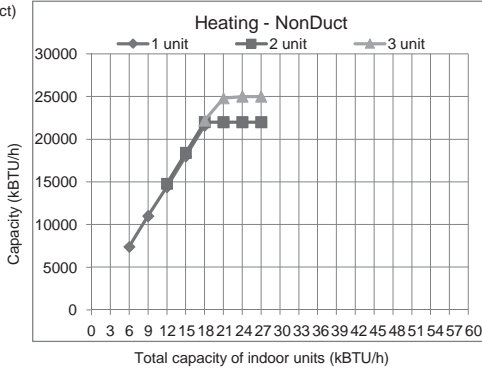
MXZ-3C24NAHZ2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

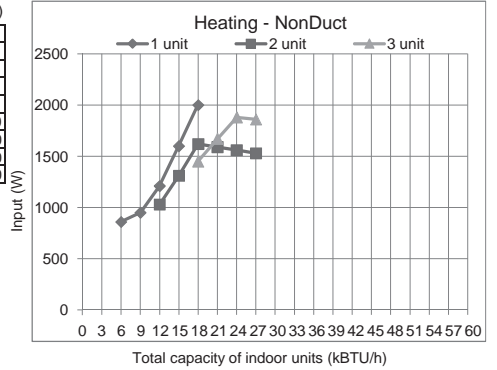
■ Capacity (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	7400		
9	11000		
12	14400	14800	
15	18000	18400	
18	21600	22000	22200
21		22000	24800
24		22000	25000
27		22000	25000



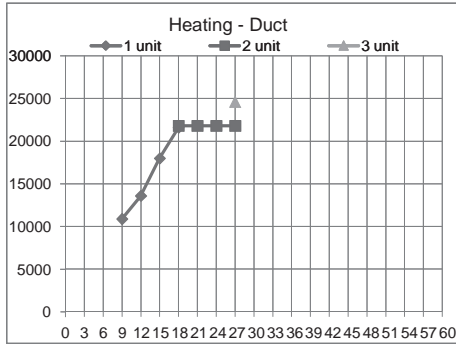
■ Input (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	860		
9	950		
12	1210	1030	
15	1600	1310	
18	2000	1620	1450
21		1590	1670
24		1560	1880
27		1530	1860



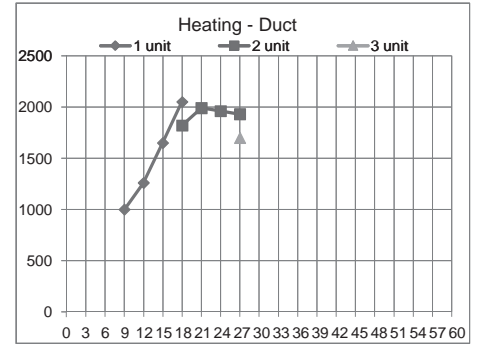
■ Capacity (Heating - Duct)

	1 unit	2 unit	3 unit
6	10900		
9	13600		
12	18000		
15	18000		
18	21600	21800	
21		21800	
24		21800	
27		21800	24600



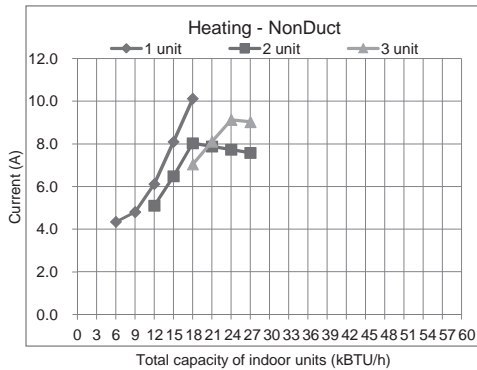
■ Input (Heating - Duct)

	1 unit	2 unit	3 unit
6	1000		
9	1260		
12	1650		
15	1650		
18	2050	1820	
21		1990	
24		1960	
27		1930	1700



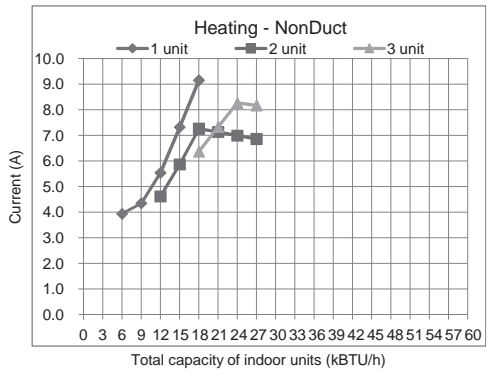
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.4		
9	4.8		
12	6.1	5.1	
15	8.1	6.5	
18	10.1	8.0	7.0
21		7.9	8.1
24		7.7	9.1
27		7.6	9.0



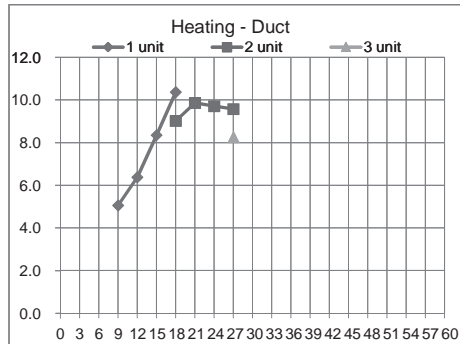
■ Current (230V)

	1 unit	2 unit	3 unit
6	3.9		
9	4.4		
12	5.5	4.6	
15	7.3	5.9	
18	9.2	7.3	6.4
21		7.1	7.3
24		7.0	8.3
27		6.9	8.2



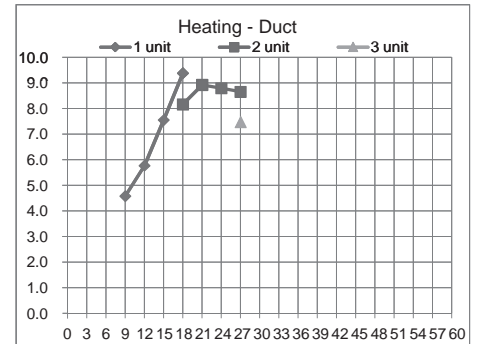
■ Current (208V)

	1 unit	2 unit	3 unit
6	5.1		
9	6.4		
12	8.4		
15	10.4	9.0	
18		9.9	
21		9.7	
24		9.6	
27		9.6	8.3



■ Current (230V)

	1 unit	2 unit	3 unit
6	4.6		
9	5.8		
12	7.6		
15	9.4	8.2	
18		8.9	
21		8.8	
24		8.8	
27		8.7	7.5



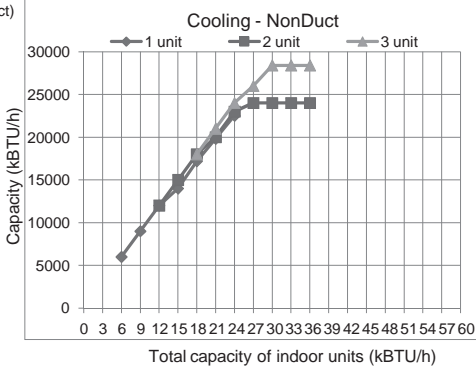
MXZ-3C30NAHZ2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

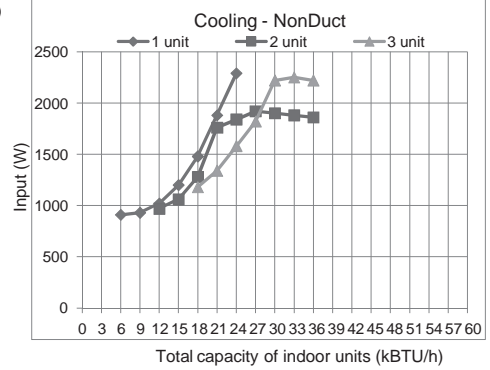
■ Capacity (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	6000		
9	9000		
12	12000	12000	
15	14000	15000	
18	17200	18000	18000
21	19800	20000	21000
24	22500	23000	24000
27		24000	26000
30		24000	28400
33		24000	28400
36		24000	28400



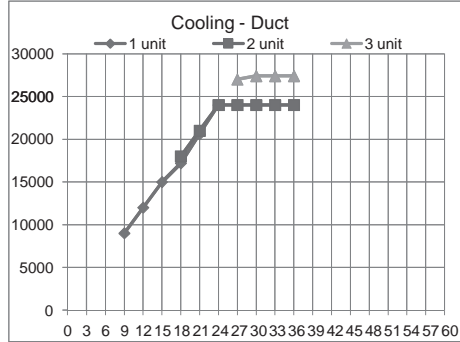
■ Input (Cooling - NonDuct)

	1 unit	2 unit	3 unit
6	910		
9	930		
12	1020	970	
15	1200	1060	
18	1480	1280	1180
21	1880	1760	1340
24	2290	1840	1580
27		1920	1820
30		1900	2220
33		1880	2250
36		1860	2220



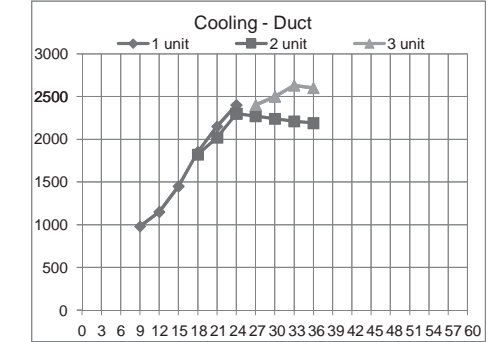
■ Capacity (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	9000		
12	12000		
15	15000		
18	17200	18000	
21	20600	21000	
24	24000	24000	
27		24000	27000
30		24000	27400
33		24000	27400
36		24000	27400



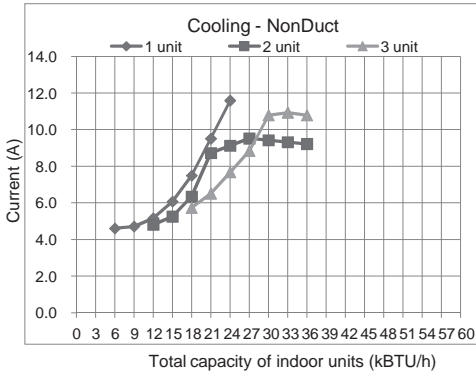
■ Input (Cooling - Duct)

	1 unit	2 unit	3 unit
6			
9	980		
12	1150		
15	1450		
18	1850	1820	
21	2150	2020	
24	2400	2300	
27		2270	2400
30		2240	2500
33		2210	2630
36		2190	2600



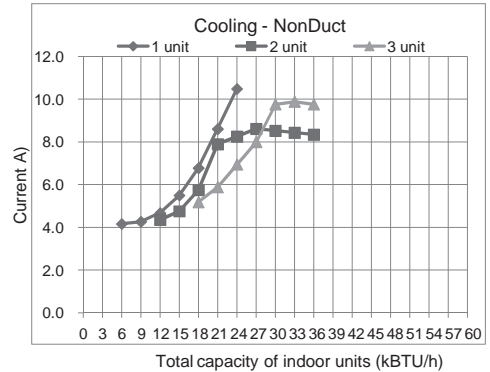
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.6		
9	4.7		
12	5.2	4.8	
15	6.1	5.3	
18	7.5	6.3	5.7
21	9.5	8.7	6.5
24	11.6	9.1	7.7
27		9.5	8.8
30		9.4	10.8
33		9.3	10.9
36		9.2	10.8



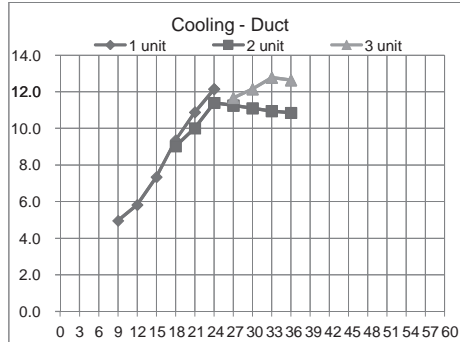
■ Current (230V)

	1 unit	2 unit	3 unit
6	4.2		
9	4.3		
12	4.7	4.4	
15	5.5	4.8	
18	6.8	5.7	5.2
21	8.6	7.9	5.9
24	10.5	8.3	6.9
27		8.6	8.0
30		8.5	9.8
33		8.4	9.9
36		8.3	9.8



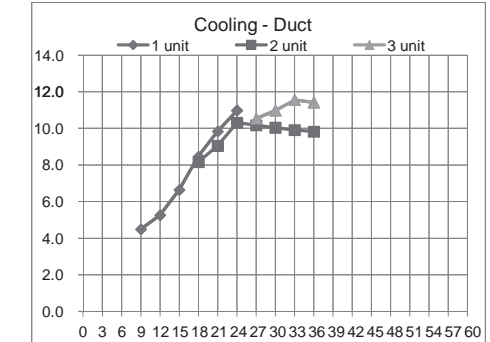
■ Current (208V)

	1 unit	2 unit	3 unit
6			
9	5.0		
12	5.8		
15	7.3		
18	9.4	9.0	
21	10.9	10.0	
24	12.2	11.4	
27		11.3	11.7
30		11.1	12.1
33		11.0	12.8
36		10.9	12.6



■ Current (230V)

	1 unit	2 unit	3 unit
6			
9	4.5		
12	5.3		
15	6.6		
18	8.5	8.2	
21	9.8	9.1	
24	11.0	10.3	
27		10.2	10.5
30		10.0	11.0
33		9.9	11.6
36		9.8	11.4



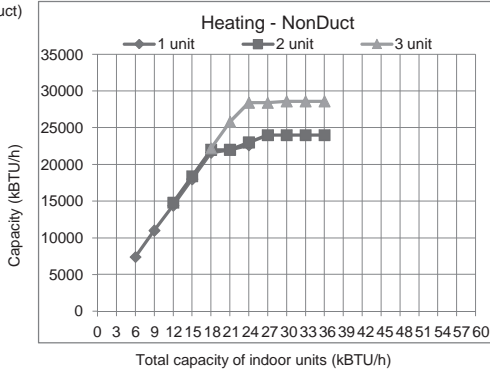
MXZ-3C30NAHZ2

NOTE 1: When 2 or more indoor units are running, the capacity per unit is obtained based on the capacity ratio of their individual operation.

NOTE 2: Input for the indoor unit is excluded.

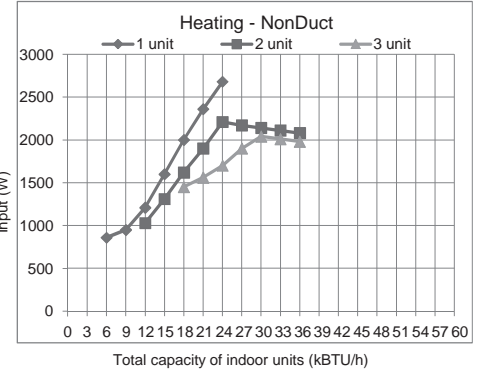
■ Capacity (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	7400		
9	11000		
12	14400	14800	
15	18000	18400	
18	21600	22000	22200
21	22000	22000	25800
24	22600	23000	28400
27		24000	28400
30		24000	28600
33		24000	28600
36		24000	28600



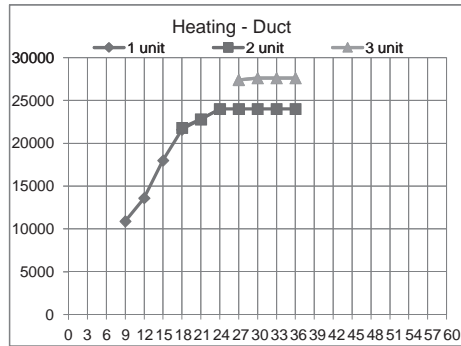
■ Input (Heating - NonDuct)

	1 unit	2 unit	3 unit
6	860		
9	950		
12	1210	1030	
15	1600	1310	
18	2000	1620	1450
21	2360	1900	1560
24	2680	2210	1700
27		2170	1900
30		2140	2040
33		2110	2010
36		2080	1980



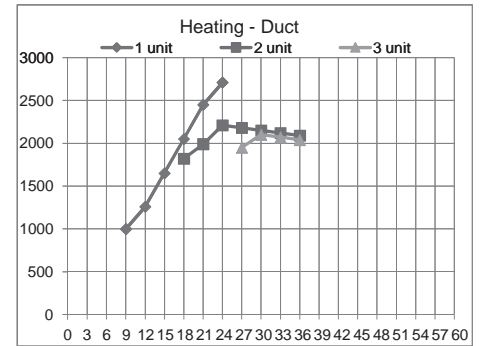
■ Capacity (Heating - Duct)

	1 unit	2 unit	3 unit
6			
9	10900		
12	13600		
15	18000		
18	21600	21800	
21	22800	22800	
24	24000	24000	
27		24000	27400
30		24000	27600
33		24000	27600
36		24000	27600



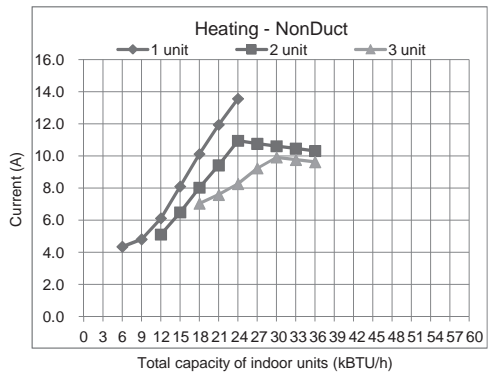
■ Input (Heating - Duct)

	1 unit	2 unit	3 unit
6			
9	1000		
12	1260		
15	1650		
18	2050	1820	
21	2450	1990	
24	2710	2210	
27		2180	1950
30		2150	2100
33		2120	2070
36		2090	2040



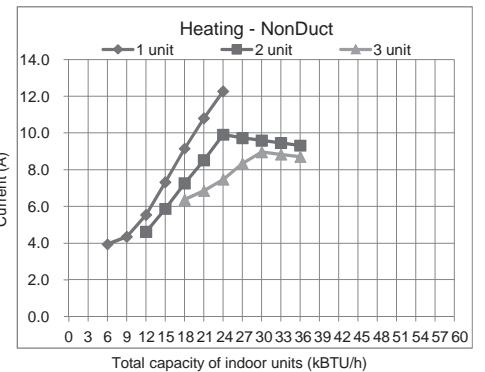
■ Current (208V)

	1 unit	2 unit	3 unit
6	4.4		
9	4.8		
12	6.1	5.1	
15	8.1	6.5	
18	10.1	8.0	7.0
21	11.9	9.4	7.6
24	13.6	11.0	8.3
27		10.8	9.2
30		10.6	9.9
33		10.5	9.8
36		10.3	9.6



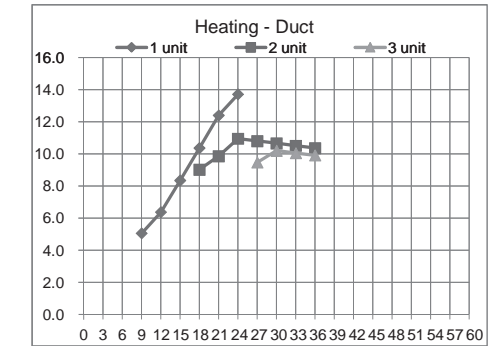
■ Current (230V)

	1 unit	2 unit	3 unit
6	3.9		
9	4.4		
12	5.5	4.6	
15	7.3	5.9	
18	9.2	7.3	6.4
21	10.8	8.5	6.9
24	12.3	9.9	7.5
27		9.7	8.3
30		9.6	9.0
33		9.5	8.8
36		9.3	8.7



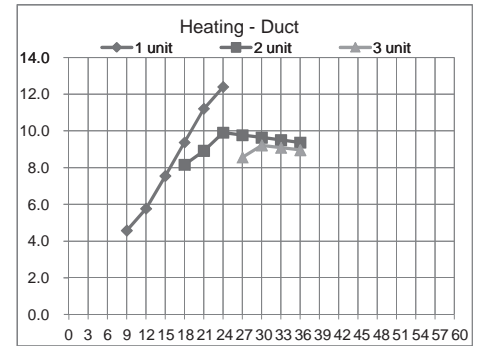
■ Current (208V)

	1 unit	2 unit	3 unit
6			
9	5.1		
12	6.4		
15	8.4		
18	10.4	9.0	
21	12.4	9.9	
24	13.7	11.0	
27		10.8	9.5
30		10.7	10.2
33		10.5	10.1
36		10.4	9.9



■ Current (230V)

	1 unit	2 unit	3 unit
6			
9	4.6		
12	5.8		
15	7.6		
18	9.4	8.2	
21	11.2	8.9	
24	12.4	9.9	
27		9.8	8.6
30		9.6	9.2
33		9.5	9.1
36		9.4	9.0



13 | PART LOAD CAPACITY CHART

MXZ-2C20NA2 1) COOLING

Rated
Q(Btu/h): 18000
W: 1417

Max.
Q(Btu/h): 20000

Indoor W.B. Outdoor D.B. (°F) (°C)			72°F / 22.2°C					67°F / 19.4°C					64°F / 17.8°C					61°F / 16.1°C					
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%
115	46.1	Q[Btu/h]	17275	14400	10800	7200	- 7473	17059	14220	10665	7110	- 7379	16627	13860	10395	6930	- 7192	15332	12780	9585	6390	- 6632	
		W	2324	1346	852	576	- 882	2495	1445	915	619	- 947	2569	1488	942	637	- 974	2398	1389	879	594	- 909	
110	43.3	Q[Btu/h]	19797	18360	13770	9180	- 8360	18028	16720	12540	8360	- 7613	17468	16200	12150	8100	- 7376	13780	12780	9585	6390	- 5819	
		W	2551	1700	1076	728	- 936	2466	1644	1040	704	- 905	2355	1570	994	672	- 864	1909	1273	806	545	- 700	
106	41.1	Q[Btu/h]	20887	18720	14040	9360	- 8562	19012	17040	12780	8520	- 7794	18075	16200	12150	8100	- 7410	14259	12780	9585	6390	- 5846	
		W	2577	1644	1040	704	- 903	2488	1587	1005	679	- 872	2324	1482	938	634	- 814	1874	1195	757	512	- 657	
102	38.9	Q[Btu/h]	21820	19080	14310	9540	- 8763	19853	17360	13020	8680	- 7973	18526	16200	12150	8100	- 7440	14615	12780	9585	6390	- 5869	
		W	2561	1587	1005	679	- 871	2470	1530	969	655	- 840	2250	1394	883	597	- 765	1805	1118	708	479	- 613	
98	36.7	Q[Btu/h]	22297	19440	14580	9720	- 8961	20278	17680	13260	8840	- 8149	18581	16200	12150	8100	- 7467	14658	12780	9585	6390	- 5891	
		W	2448	1530	969	655	- 839	2358	1474	933	631	- 808	2090	1306	827	559	- 716	1665	1041	659	445	- 570	
94	34.4	Q[Btu/h]	22440	19800	14850	9900	- 9165	20400	18000	13500	9000	- 8332	18360	16200	12150	8100	- 7498	14484	12780	9585	6390	- 5915	
		W	2392	1474	933	631	- 805	2300	1417	897	606	- 774	1978	1219	771	522	- 666	1564	964	610	412	- 527	
90	32.2	Q[Btu/h]	22440	19800	14850	9900	- 9353	20400	18000	13500	9000	- 8503	18360	16200	12150	8100	- 7652	14484	12780	9585	6390	- 6037	
		W	2392	1474	933	631	- 773	2300	1417	897	606	- 743	1978	1219	771	522	- 639	1564	964	610	412	- 505	
86	30	Q[Btu/h]	22440	19800	14850	9900	- 9539	20400	18000	13500	9000	- 8672	18360	16200	12150	8100	- 7805	14484	12780	9585	6390	- 6157	
		W	2392	1474	933	631	- 740	2300	1417	897	606	- 712	1978	1219	771	522	- 612	1564	964	610	412	- 484	
82	27.8	Q[Btu/h]	22440	19800	14850	9900	- 9726	20400	18000	13500	9000	- 8842	18360	16200	12150	8100	- 7958	14484	12780	9585	6390	- 6278	
		W	2392	1474	933	631	- 708	2300	1417	897	606	- 681	1978	1219	771	522	- 585	1564	964	610	412	- 463	
78	25.6	Q[Btu/h]	22440	19800	14850	-	- 9907	20400	18000	13500	-	- 9007	18360	16200	12150	-	- 8106	14484	12780	9585	-	- 6395	
		W	2392	1474	933	-	- 676	2300	1417	897	-	- 650	1978	1219	771	-	- 559	1564	964	610	-	- 442	
74	23.3	Q[Btu/h]	22440	19800	14850	-	-10096	20400	18000	13500	-	- 9179	18360	16200	12150	-	- 8261	14484	12780	9585	-	- 6517	
		W	2392	1474	933	-	- 643	2300	1417	897	-	- 618	1978	1219	771	-	- 532	1564	964	610	-	- 420	
70	21.1	Q[Btu/h]	22440	19800	14850	-	-10275	20400	18000	13500	-	- 9341	18360	16200	12150	-	- 8407	14484	12780	9585	-	- 6632	
		W	2392	1474	933	-	- 611	2300	1417	897	-	- 588	1978	1219	771	-	- 506	1564	964	610	-	- 400	
66	18.9	Q[Btu/h]	22440	19800	14850	-	-10452	20400	18000	13500	-	- 9502	18360	16200	12150	-	- 8552	14484	12780	9585	-	- 6746	
		W	2392	1474	933	-	- 580	2300	1417	897	-	- 558	1978	1219	771	-	- 480	1564	964	610	-	- 379	
62	16.7	Q[Btu/h]	22440	19800	14850	-	-10627	20400	18000	13500	-	- 9661	18360	16200	12150	-	- 8694	14484	12780	9585	-	- 6859	
		W	2392	1474	933	-	- 549	2300	1417	897	-	- 528	1978	1219	771	-	- 454	1564	964	610	-	- 359	
58	14.4	Q[Btu/h]	22440	19800	14850	-	-10808	20400	18000	13500	-	- 9825	18360	16200	12150	-	- 8843	14484	12780	9585	-	- 6976	
		W	2392	1474	933	-	- 549	2300	1417	897	-	- 528	1978	1219	771	-	- 454	1564	964	610	-	- 359	
54	12.2	Q[Btu/h]	22440	19800	14850	-	-10868	20400	18000	13500	-	- 9880	18360	16200	12150	-	- 8892	14484	12780	9585	-	- 7015	
		W	2392	1474	933	-	- 487	2300	1417	897	-	- 468	1978	1219	771	-	- 402	1564	964	610	-	- 318	
50	10	Q[Btu/h]	22440	19800	14850	-	-11146	20400	18000	13500	-	-10133	18360	16200	12150	-	- 9120	14484	12780	9585	-	- 7194	
		W	2392	1474	933	-	- 456	2300	1417	897	-	- 438	1978	1219	771	-	- 377	1564	964	610	-	- 298	
46	7.8	Q[Btu/h]	22440	19800	14850	-	-11312	20400	18000	13500	-	-10284	18360	16200	12150	-	- 9256	14484	12780	9585	-	- 7302	
		W	2392	1474	933	-	- 426	2300	1417	897	-	- 410	1978	1219	771	-	- 353	1564	964	610	-	- 279	
42	5.6	Q[Btu/h]	22440	19800	14850	-	-11477	20400	18000	13500	-	-10434	18360	16200	12150	-	- 9391	14484	12780	9585	-	- 7408	
		W	2392	1474	933	-	- 396	2300	1417	897	-	- 381	1978	1219	771	-	- 328	1564	964	610	-	- 259	
38	3.3	Q[Btu/h]	22440	19800	14850	-	-11648	20400	18000	13500	-	-10589	18360	16200	12150	-	- 9530	14484	12780	9585	-	- 7518	
		W	2392	1474	933	-	- 365	2300	1417	897	-	- 351	1978	1219	771	-	- 302	1564	964	610	-	- 239	
34	1.1	Q[Btu/h]	22440	19800	14850	-	-11146	20400	18000	13500	-	-10133	18360	16200	12150	-	- 9119	14484	12780	9585	-	- 7194	
		W	2392	1474	933	-	- 377	2300	1417	897	-	- 363	1978	1219	771	-	- 312	1564	964	610	-	- 247	
30	-1.1	Q[Btu/h]	22440	19800	14850	-	-11313	20400	18000	13500	-	-10285	18360	16200	12150	-	- 9256	14484	12780	9585	-	- 7302	
		W	2392	1474	933	-	- 347	2300	1417	897	-	- 334	1978	1219	771	-	- 287	1564	964	610	-	- 227	
26	-3.3	Q[Btu/h]	22440	19800	14850	-	-11487	20400	18000	13500	-	-10443	18360	16200	12150	-	- 9398	14484	12780	9585	-	- 7414	
		W	2392	1474	933	-	- 315	2300	1417	897	-	- 303	1978	1219	771	-	- 261	1564	964	610	-	- 206	
22	-5.6	Q[Btu/h]	22440	19800	14850	-	-11660	20400	18000	13500	-	-10600	18360	16200	12150	-	- 9540	14484	12780	9585	-	- 7526	
		W	2392	1474	933	-	- 284	2300	1417	897	-	- 273	1978	1219	771	-	- 235	1564	964	610	-	- 186	
18	-7.8	Q[Btu/h]	22440	19800	14850	-	-11823	20400	18000	13500	-	-10748	18360	16200	12150	-	- 9674	14484	12780	9585	-	- 7631	
		W	2392	1474	933	-	- 254	2300	1417	897	-	- 244	1978	1219	771	-	- 210	1564	964	610	-	- 166	
14	-10	Q[Btu/h]	22440	19800	14850	-	-11985	20400	18000	13500	-	-10895	18360	16200	12150	-	- 9806	14484	12780	9585	-	- 7736	
		W	2392	1474	933	-	- 225	2300	1417	897	-	- 216	1978	1219	771	-	- 186	1564	964	610	-	- 147	

* It may not reach the above capacities in low ambient temperatures.

* An air outlet guide is needed for ambient temperatures below 41°F.

MXZ-2C20NA2
2) HEATING

Rated
 Q(Btu/h): 22000
 W: 1641

Max.
 Q(Btu/h): 25500

Indoor D.B.		80°F / 26.7°C						70°F / 21.1°C						60°F / 15.6°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																		
65	18.3	Q[Btu/h]	23908	28087	21065	14043	- 13902	24738	29062	21796	14531	- 14385	25500	29957	22468	14978	- 14828		
		W	2650	1948	1642	1040	- 1638	2550	1875	1580	1001	- 1576	2500	1838	1549	981	- 1545		
60	15.6	Q[Btu/h]	23819	26498	19873	13249	- 12794	24707	27485	20614	13743	- 13270	25500	28368	21276	14184	- 13697		
		W	2675	1896	1599	1013	- 1470	2575	1825	1539	975	- 1416	2500	1772	1494	946	- 1374		
55	12.8	Q[Btu/h]	23719	24909	18682	12454	- 11695	24671	25909	19431	12954	- 12164	25500	26779	20084	13389	- 12573		
		W	2700	1843	1554	984	- 1310	2625	1792	1511	957	- 1273	2500	1707	1439	911	- 1213		
50	10.0	Q[Btu/h]	23607	23320	17490	-	- 13966	24631	24332	18249	-	- 14572	25500	25190	18893	-	- 15085		
		W	2700	1790	1509	-	- 1681	2575	1707	1439	-	- 1603	2500	1657	1397	-	- 1556		
45	7.2	Q[Btu/h]	23480	21731	16298	-	- 12590	24586	22755	17066	-	- 13183	25500	23601	17701	-	- 13673		
		W	2725	1753	1478	-	- 1457	2575	1656	1396	-	- 1377	2500	1608	1356	-	- 1336		
40	4.4	Q[Btu/h]	19857	18128	13596	-	- 11884	20878	19061	14296	-	- 12496	20912	19091	14318	-	- 12515		
		W	2333	1699	1432	-	- 1271	2226	1621	1367	-	- 1213	2140	1559	1314	-	- 1166		
35	1.7	Q[Btu/h]	17184	16698	-	-	- 14686	18155	17642	-	-	- 15516	18916	18381	-	-	- 16166		
		W	1991	1625	-	-	- 1968	1901	1551	-	-	- 1878	1810	1477	-	-	- 1789		
30	-1.1	Q[Btu/h]	16204	16116	-	-	- 13153	17217	17124	-	-	- 13975	17990	17893	-	-	- 14602		
		W	1661	1534	-	-	- 1660	1601	1479	-	-	- 1600	1510	1395	-	-	- 1509		
25	-3.9	Q[Btu/h]	14421	14607	-	-	- 11728	15427	15626	-	-	- 12546	16175	16383	-	-	- 13154		
		W	1413	1465	-	-	- 1430	1338	1387	-	-	- 1354	1250	1296	-	-	- 1266		
20	-6.7	Q[Btu/h]	12787	13097	-	-	- 13179	13794	14128	-	-	- 14217	14522	14874	-	-	- 14967		
		W	1164	1335	-	-	- 1843	1102	1264	-	-	- 1745	1030	1182	-	-	- 1631		
15	-9.4	Q[Btu/h]	11354	11588	-	-	- 11687	12376	12631	-	-	- 12739	13095	13364	-	-	- 13479		
		W	961	1205	-	-	- 1526	910	1141	-	-	- 1445	850	1067	-	-	- 1351		
10	-12.2	Q[Btu/h]	10003	10078	-	-	- 10282	11050	11133	-	-	- 11357	11767	11855	-	-	- 12094		
		W	800	1066	-	-	- 1283	752	1002	-	-	- 1206	690	919	-	-	- 1106		
5	-15.0	Q[Btu/h]	8779	8569	-	-	- 9008	9871	9635	-	-	- 10128	10599	10346	-	-	- 10875		
		W	672	965	-	-	- 1085	622	893	-	-	- 1003	560	804	-	-	- 904		

* Above data is for heating operation without any frost.

MXZ-3C24NA2
2) HEATING

Rated
 Q(Btu/h): 25000
 W: 1750

Max.
 Q(Btu/h): 30600
 W: 2580

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																		
65	18.3	Q[Btu/h]	28690	31917	23938	15958	- 13402	29686	33025	24769	16512	- 13867	30600	34042	25531	17021	- 14294		
		W	2735	2059	1736	1100	- 864	2632	1981	1670	1058	- 832	2580	1943	1638	1037	- 816		
60	15.6	Q[Btu/h]	28583	30111	22583	15056	- 12479	29648	31233	23425	15617	- 12944	30600	32236	24177	16118	- 13360		
		W	2761	2004	1689	1070	- 849	2657	1929	1626	1030	- 818	2580	1873	1579	1000	- 794		
55	12.8	Q[Btu/h]	28463	28306	21229	14153	- 11526	29606	29442	22081	14721	- 11988	30600	30431	22823	15215	- 12391		
		W	2786	2017	1700	1077	- 833	2657	1924	1622	1027	- 795	2580	1868	1574	997	- 772		
50	10.0	Q[Btu/h]	28328	26500	19875	13250	- 10574	29558	27650	20737	13825	- 11033	30600	28625	21469	14313	- 11422		
		W	2786	1909	1609	1019	- 809	2683	1838	1550	982	- 779	2580	1768	1490	944	- 749		
45	7.2	Q[Btu/h]	28175	24694	18521	12347	- 9625	29503	25858	19394	12929	- 10079	30600	26819	20115	13410	- 10453		
		W	2812	1876	1582	1002	- 792	2683	1790	1509	956	- 756	2580	1721	1451	919	- 727		
40	4.4	Q[Btu/h]	23556	20600	15450	10300	- 8679	24768	21660	16245	10830	- 9125	25743	22513	16884	11256	- 9484		
		W	2742	1822	1536	973	- 768	2616	1738	1465	928	- 732	2516	1671	1409	892	- 704		
35	1.7	Q[Btu/h]	22104	18975	14231	9488	- 7767	23354	20047	15036	10024	- 8206	24332	20888	15666	10444	- 8550		
		W	2658	1669	1407	891	- 744	2536	1593	1342	850	- 710	2439	1531	1291	818	- 683		
30	-1.1	Q[Btu/h]	22078	18314	13735	-	- 10611	23459	19459	14594	-	- 11275	24512	20333	15249	-	- 11781		
		W	2594	1629	1374	-	- 1235	2476	1555	1311	-	- 1179	2358	1481	1249	-	- 1123		
25	-3.9	Q[Btu/h]	21147	16599	12449	-	- 10009	22623	17757	13318	-	- 10707	23719	18617	13963	-	- 11226		
		W	2506	1518	1280	-	- 1212	2392	1449	1222	-	- 1157	2278	1380	1163	-	- 1101		
20	-6.7	Q[Btu/h]	20522	14883	11163	-	- 9396	22138	16055	12041	-	- 10136	23306	16902	12677	-	- 10671		
		W	2484	1446	1219	-	- 1221	2352	1370	1155	-	- 1156	2198	1280	1079	-	- 1080		
15	-9.4	Q[Btu/h]	20174	13168	9876	-	- 8789	21989	14353	10765	-	- 9579	23267	15187	11390	-	- 10136		
		W	2397	1256	1059	-	- 1197	2270	1189	1002	-	- 1134	2121	1111	937	-	- 1060		
10	-12.2	Q[Btu/h]	20062	11453	-	-	- 11194	22161	12651	-	-	- 12365	23599	13472	-	-	- 13167		
		W	2306	917	-	-	- 1801	2184	868	-	-	- 1705	2041	811	-	-	- 1594		
5	-15.0	Q[Btu/h]	20135	9738	-	-	- 10736	22640	10949	-	-	- 12071	24310	11756	-	-	- 12962		
		W	2353	966	-	-	- 1858	2177	894	-	-	- 1719	1961	805	-	-	- 1548		

* Above data is for heating operation without any frost.

MXZ-3C30NA2
2) HEATING

Rated
 Q(Btu/h): 28600
 W: 2150

Max.
 Q(Btu/h): 36000
 W: 3300

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q[Btu/h]	33753	36513	27385	18256	- 16752	34925	37781	28335	18890	- 17334	36000	38944	29208	19472	- 17868			
		W	3498	2530	2133	1351	- 1081	3366	2434	2052	1300	- 1040	3300	2387	2012	1274	- 1019			
60	15.6	Q[Btu/h]	33627	34447	25835	17224	- 15599	34880	35731	26798	17865	- 16180	36000	36878	27659	18439	- 16700			
		W	3531	2462	2075	1314	- 1062	3399	2370	1998	1265	- 1022	3300	2301	1939	1228	- 992			
55	12.8	Q[Btu/h]	33486	32382	24286	16191	- 14407	34830	33681	25261	16841	- 14985	36000	34813	26109	17406	- 15489			
		W	3564	2453	2068	1310	- 1042	3399	2340	1972	1249	- 993	3300	2272	1915	1213	- 964			
50	10.0	Q[Btu/h]	33328	30316	22737	15158	- 13218	34774	31632	23724	15816	- 13791	36000	32747	24560	16374	- 14278			
		W	3564	2345	1977	1252	- 1011	3432	2258	1904	1206	- 974	3300	2172	1831	1160	- 936			
45	7.2	Q[Btu/h]	33148	28250	21188	14125	- 12031	34710	29582	22186	14791	- 12598	36000	30681	23011	15341	- 13067			
		W	3597	2293	1933	1224	- 990	3432	2187	1844	1168	- 945	3300	2103	1773	1123	- 908			
40	4.4	Q[Btu/h]	27713	23566	17675	11783	- 10848	29139	24779	18584	12390	- 11407	30286	25754	19316	12877	- 11856			
		W	3516	2238	1887	1195	- 960	3354	2135	1800	1140	- 916	3225	2053	1731	1096	- 880			
35	1.7	Q[Btu/h]	26005	21707	16281	10854	- 9709	27475	22934	17201	11467	- 10258	28626	23895	17921	11948	- 10688			
		W	3408	2051	1729	1095	- 930	3251	1957	1649	1045	- 887	3126	1881	1586	1005	- 853			
30	-1.1	Q[Btu/h]	25975	20951	15713	-	- 13264	27599	22261	16696	-	- 14093	28838	23261	17445	-	- 14726			
		W	3326	2014	1698	-	- 1544	3175	1923	1621	-	- 1474	3024	1831	1544	-	- 1404			
25	-3.9	Q[Btu/h]	24879	18989	14242	-	- 12511	26616	20314	15236	-	- 13384	27905	21298	15974	-	- 14032			
		W	3213	1852	1562	-	- 1515	3067	1768	1491	-	- 1446	2921	1684	1420	-	- 1377			
20	-6.7	Q[Btu/h]	24144	17027	12770	-	- 11746	26045	18367	13775	-	- 12670	27419	19336	14502	-	- 13339			
		W	3185	1790	1509	-	- 1526	3016	1695	1429	-	- 1445	2818	1584	1335	-	- 1350			
15	-9.4	Q[Btu/h]	23734	15064	11298	-	- 10986	25870	16420	12315	-	- 11974	27373	17374	13030	-	- 12670			
		W	3073	1543	1301	-	- 1497	2910	1461	1231	-	- 1417	2719	1365	1151	-	- 1324			
10	-12.2	Q[Btu/h]	23603	13102	-	-	- 13992	26072	14473	-	-	- 15456	27763	15411	-	-	- 16458			
		W	2957	1204	-	-	- 2251	2800	1140	-	-	- 2131	2617	1065	-	-	- 1992			
5	-15.0	Q[Btu/h]	23689	11140	-	-	- 13420	26635	12525	-	-	- 15089	28600	13449	-	-	- 16202			
		W	3017	1187	-	-	- 2322	2790	1098	-	-	- 2148	2514	989	-	-	- 1935			

* Above data is for heating operation without any frost.

MXZ-4C36NA2
2) HEATING

Rated
 Q(Btu/h): 36000
 W: 3020

Max.
 Q(Btu/h): 43000
 W: 4020

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																		
65	18.3	Q[Btu/h]	47408	45960	34470	22980	- 20103	49054	47556	35667	23778	- 20801	50565	49020	36765	24510	- 21441		
		W	4713	3553	2995	1897	- 1297	4536	3419	2882	1826	- 1248	4447	3352	2826	1790	- 1223		
60	15.6	Q[Btu/h]	43369	43360	32520	21680	- 18719	44986	44976	33732	22488	- 19416	46430	46420	34815	23210	- 20040		
		W	4632	3458	2915	1846	- 1274	4459	3328	2806	1777	- 1227	4329	3231	2724	1726	- 1191		
55	12.8	Q[Btu/h]	39633	40760	30570	20380	- 17289	41224	42396	31797	21198	- 17983	42609	43820	32865	21910	- 18587		
		W	4543	3402	2868	1817	- 1250	4333	3245	2735	1733	- 1192	4207	3150	2656	1682	- 1157		
50	10.0	Q[Btu/h]	36347	38160	28620	19080	- 15861	37924	39816	29862	19908	- 16550	39262	41220	30915	20610	- 17133		
		W	4411	3294	2777	1759	- 1214	4248	3172	2674	1694	- 1169	4084	3050	2571	1629	- 1124		
45	7.2	Q[Btu/h]	33506	35560	26670	17780	- 14438	35085	37236	27927	18618	- 15118	36389	38620	28965	19310	- 15680		
		W	4319	3198	2696	1708	- 1188	4121	3051	2572	1629	- 1134	3962	2934	2473	1567	- 1090		
40	4.4	Q[Btu/h]	27993	29664	22248	14832	- 13018	29434	31190	23393	15595	- 13688	30592	32418	24314	16209	- 14227		
		W	4185	3144	2650	1679	- 1151	3993	2999	2529	1602	- 1099	3840	2884	2431	1540	- 1056		
35	1.7	Q[Btu/h]	26268	27324	20493	13662	- 11651	27752	28868	21651	14434	- 12310	28915	30078	22559	15039	- 12825		
		W	4057	2880	2428	1538	- 1116	3871	2748	2317	1468	- 1065	3722	2643	2228	1411	- 1024		
30	-1.1	Q[Btu/h]	26237	26372	19779	-	- 15917	27878	28021	21016	-	- 16912	29129	29279	21959	-	- 17671		
		W	3960	2852	2404	-	- 1853	3780	2722	2295	-	- 1768	3600	2593	2185	-	- 1684		
25	-3.9	Q[Btu/h]	25131	23902	17927	-	- 15013	26885	25570	19178	-	- 16061	28187	26809	20107	-	- 16839		
		W	3825	2580	2175	-	- 1817	3651	2462	2076	-	- 1735	3477	2345	1977	-	- 1652		
20	-6.7	Q[Btu/h]	24388	21432	16074	-	- 14095	26308	23119	17339	-	- 15204	27696	24339	18254	-	- 16006		
		W	3791	2537	2139	-	- 1831	3590	2402	2025	-	- 1734	3355	2245	1893	-	- 1620		
15	-9.4	Q[Btu/h]	23974	18962	14222	-	- 13183	26131	20668	15501	-	- 14369	27649	21869	16402	-	- 15204		
		W	3658	2167	1827	-	- 1796	3464	2052	1730	-	- 1701	3237	1918	1617	-	- 1589		
10	-12.2	Q[Btu/h]	23841	16492	-	-	- 16790	26335	18217	-	-	- 18547	28043	19399	-	-	- 19750		
		W	3520	1828	-	-	- 2701	3333	1731	-	-	- 2558	3115	1618	-	-	- 2390		
5	-15.0	Q[Btu/h]	23928	14022	-	-	- 16104	26904	15766	-	-	- 18107	28888	16929	-	-	- 19442		
		W	3591	1667	-	-	- 2787	3322	1542	-	-	- 2578	2993	1389	-	-	- 2322		

* Above data is for heating operation without any frost.

MXZ-5C42NA2
2) HEATING

Rated
 Q(Btu/h): 45000
 W: 3575

Max.
 Q(Btu/h): 53600

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																		
65	18.3	Q[Btu/h]	49353	54003	40502	27002	- 24012	51679	55878	41909	27939	- 24846	53600	57599	43199	28799	- 25611		
		W	6714	4522	3812	2415	- 1442	6406	4353	3670	2324	- 1389	6160	4226	3563	2257	- 1348		
60	15.6	Q[Btu/h]	49353	50948	38211	25474	- 22397	51679	52847	39635	26423	- 23232	53600	54544	40908	27272	- 23977		
		W	6714	4359	3675	2328	- 1407	6406	4196	3537	2241	- 1355	6160	4074	3434	2175	- 1315		
55	12.8	Q[Btu/h]	49353	47893	35920	23947	- 20727	51679	49815	37361	24908	- 21559	53600	51489	38616	25744	- 22283		
		W	6714	4153	3501	2218	- 1384	6406	3961	3339	2115	- 1320	6160	3845	3242	2053	- 1281		
50	10.0	Q[Btu/h]	49353	44838	33629	22419	- 19060	51679	46784	35088	23392	- 19888	53600	48434	36325	24217	- 20589		
		W	6714	4038	3404	2156	- 1347	6406	3889	3278	2076	- 1297	6160	3739	3152	1997	- 1248		
45	7.2	Q[Btu/h]	49353	41783	31337	20892	- 17398	51679	43752	32814	21876	- 18218	53600	45379	34034	22689	- 18895		
		W	6714	3905	3292	2085	- 1323	6406	3726	3141	1990	- 1262	6160	3583	3020	1913	- 1214		
40	4.4	Q[Btu/h]	40982	34855	26141	17428	- 15739	43091	36649	27487	18324	- 16549	44787	38091	28568	19046	- 17200		
		W	6433	3963	3341	2116	- 1286	6138	3781	3188	2019	- 1227	5902	3636	3065	1942	- 1180		
35	1.7	Q[Btu/h]	37993	32106	24079	16053	- 14141	40140	33920	25440	16960	- 14941	41822	35342	26506	17671	- 15567		
		W	6093	3598	3033	1921	- 1239	5868	3465	2921	1850	- 1193	5642	3331	2808	1779	- 1147		
30	-1.1	Q[Btu/h]	37222	30987	23240	-	- 17756	39549	32925	24694	-	- 18867	41325	34403	25802	-	- 19713		
		W	5802	3713	3130	-	- 1702	5588	3575	3014	-	- 1639	5373	3438	2898	-	- 1576		
25	-3.9	Q[Btu/h]	34714	28085	21064	-	- 16503	37136	30045	22534	-	- 17655	38936	31501	23625	-	- 18510		
		W	5460	2982	2514	-	- 1653	5307	2899	2444	-	- 1607	5103	2787	2350	-	- 1545		
20	-6.7	Q[Btu/h]	32562	25183	18887	-	- 15240	35125	27165	20374	-	- 16440	36979	28598	21449	-	- 17307		
		W	5172	3096	2610	-	- 1621	5027	3009	2537	-	- 1575	4834	2894	2439	-	- 1515		
15	-9.4	Q[Btu/h]	30781	22280	16710	-	- 14001	33551	24285	18214	-	- 15261	35500	25696	19272	-	- 16147		
		W	4894	2587	2181	-	- 1590	4894	2587	2181	-	- 1590	4574	2418	2038	-	- 1486		
10	-12.2	Q[Btu/h]	29238	19378	-	-	- 17313	32297	21405	-	-	- 19124	34392	22794	-	-	- 20364		
		W	4563	2224	-	-	- 2201	4434	2161	-	-	- 2139	4305	2098	-	-	- 2076		
5	-15.0	Q[Btu/h]	27926	16476	-	-	- 19414	31399	18525	-	-	- 21829	33715	19892	-	-	- 23439		
		W	4277	1856	-	-	- 2725	4156	1804	-	-	- 2648	4035	1751	-	-	- 2571		

* Above data is for heating operation without any frost.

MXZ-2C20NAH22
1) COOLING

Rated
Q(Btu/h): 18000
W: 1334

Max.
Q(Btu/h): 22000
W: 2630

Indoor W.B. Outdoor D.B. (°F) (°C)	72°F / 22.2°C				67°F / 19.4°C				64°F / 17.8°C				61°F / 16.1°C								
	Max.	Rated	75%	50% 25% Min.	Max.	Rated	75%	50% 25% Min.	Max.	Rated	75%	50% 25% Min.	Max.	Rated	75%	50% 25% Min.					
115 46.1	Q[Btu/h]	18583	14400	10800	-	-11603	17886	13860	10395	-	-11168	17653	13680	10260	-	-11023	16260	12600	9450	-	-10153
	W	3086	1041	659	-	-1186	3403	1147	726	-	-1308	3521	1187	752	-	-1354	3324	1121	709	-	-1277
110 43.3	Q[Btu/h]	19613	17856	13392	-	-12140	18388	16740	12555	-	-11382	17004	15480	11610	-	-10525	13840	12600	9450	-	-8567
	W	3064	1446	915	-	-1197	3223	1521	963	-	-1259	2886	1362	862	-	-1128	2148	1014	642	-	-839
106 41.1	Q[Btu/h]	20759	18900	14175	-	-12765	18782	17100	12825	-	-11550	17002	15480	11610	-	-10455	13839	12600	9450	-	-8510
	W	3193	1521	963	-	-1265	3081	1467	929	-	-1221	2723	1297	821	-	-1079	2017	960	608	-	-799
102 38.9	Q[Btu/h]	21174	19080	14310	-	-12938	19176	17280	12960	-	-11718	17179	15480	11610	-	-10497	13983	12600	9450	-	-8544
	W	3048	1494	946	-	-1226	2939	1441	912	-	-1182	2579	1264	800	-	-1038	1905	934	591	-	-766
98 36.7	Q[Btu/h]	21567	19440	14580	-	-13098	19570	17640	13230	-	-11886	17174	15480	11610	-	-10430	13979	12600	9450	-	-8490
	W	2905	1441	912	-	-1188	2798	1387	878	-	-1144	2418	1199	759	-	-989	1776	880	557	-	-726
94 34.4	Q[Btu/h]	22000	19800	14850	-	-13267	20000	18000	13500	-	-12061	17200	15480	11610	-	-10373	14000	12600	9450	-	-8443
	W	2787	1387	878	-	-1148	2680	1334	844	-	-1104	2278	1134	718	-	-938	1662	827	524	-	-684
90 32.2	Q[Btu/h]	22000	19800	14850	-	-13452	20000	18000	13500	-	-12229	17200	15480	11610	-	-10517	14000	12600	9450	-	-8560
	W	2787	1387	878	-	-1108	2680	1334	844	-	-1066	2278	1134	718	-	-906	1662	827	524	-	-661
86 30	Q[Btu/h]	22000	19800	14850	-	-13637	20000	18000	13500	-	-12397	17200	15480	11610	-	-10662	14000	12600	9450	-	-8678
	W	2787	1387	878	-	-1068	2680	1334	844	-	-1027	2278	1134	718	-	-873	1662	827	524	-	-637
82 27.8	Q[Btu/h]	22000	19800	14850	-	-13822	20000	18000	13500	-	-12565	17200	15480	11610	-	-10806	14000	12600	9450	-	-8796
	W	2787	1387	878	-	-1029	2680	1334	844	-	-989	2278	1134	718	-	-841	1662	827	524	-	-613
78 25.6	Q[Btu/h]	22000	19800	14850	-	-14007	20000	18000	13500	-	-12733	17200	15480	11610	-	-10951	14000	12600	9450	-	-8913
	W	2787	1387	878	-	-989	2680	1334	844	-	-951	2278	1134	718	-	-808	1662	827	524	-	-589
74 23.3	Q[Btu/h]	22000	19800	14850	-	-14200	20000	18000	13500	-	-12909	17200	15480	11610	-	-11102	14000	12600	9450	-	-9036
	W	2787	1387	878	-	-947	2680	1334	844	-	-911	2278	1134	718	-	-774	1662	827	524	-	-565
70 21.1	Q[Btu/h]	22000	19800	14850	-	-14384	20000	18000	13500	-	-13077	17200	15480	11610	-	-11246	14000	12600	9450	-	-9154
	W	2787	1387	878	-	-907	2680	1334	844	-	-872	2278	1134	718	-	-741	1662	827	524	-	-541
66 18.9	Q[Btu/h]	22000	19800	14850	-	-14569	20000	18000	13500	-	-13245	17200	15480	11610	-	-11391	14000	12600	9450	-	-9271
	W	2787	1387	878	-	-867	2680	1334	844	-	-834	2278	1134	718	-	-709	1662	827	524	-	-517
62 16.7	Q[Btu/h]	22000	19800	14850	-	-14754	20000	18000	13500	-	-13413	17200	15480	11610	-	-11535	14000	12600	9450	-	-9389
	W	2787	1387	878	-	-827	2680	1334	844	-	-796	2278	1134	718	-	-676	1662	827	524	-	-493
58 14.4	Q[Btu/h]	22000	19800	-	-	-14947	20000	18000	-	-	-13588	17200	15480	-	-	-11686	14000	12600	-	-	-9512
	W	2787	1387	-	-	-786	2680	1334	-	-	-756	2278	1134	-	-	-642	1662	827	-	-	-468
54 12.2	Q[Btu/h]	22000	19800	-	-	-15132	20000	18000	-	-	-13756	17200	15480	-	-	-11831	14000	12600	-	-	-9629
	W	2787	1387	-	-	-746	2680	1334	-	-	-717	2278	1134	-	-	-610	1662	827	-	-	-445
50 10	Q[Btu/h]	22000	19800	-	-	-15317	20000	18000	-	-	-13924	17200	15480	-	-	-11975	14000	12600	-	-	-9747
	W	2787	1387	-	-	-706	2680	1334	-	-	-679	2278	1134	-	-	-577	1662	827	-	-	-421
46 7.8	Q[Btu/h]	22000	19800	-	-	-15502	20000	18000	-	-	-14092	17200	15480	-	-	-12119	14000	12600	-	-	-9865
	W	2787	1387	-	-	-666	2680	1334	-	-	-641	2278	1134	-	-	-544	1662	827	-	-	-397
42 5.6	Q[Btu/h]	22000	19800	-	-	-15686	20000	18000	-	-	-14260	17200	15480	-	-	-12264	14000	12600	-	-	-9982
	W	2787	1387	-	-	-626	2680	1334	-	-	-602	2278	1134	-	-	-512	1662	827	-	-	-373
38 3.3	Q[Btu/h]	22000	19800	-	-	-15880	20000	18000	-	-	-14436	17200	15480	-	-	-12415	14000	12600	-	-	-10105
	W	2787	1387	-	-	-585	2680	1334	-	-	-562	2278	1134	-	-	-478	1662	827	-	-	-348
34 1.1	Q[Btu/h]	22000	19800	-	-	-16064	20000	18000	-	-	-14604	17200	15480	-	-	-12559	14000	12600	-	-	-10223
	W	2787	1387	-	-	-545	2680	1334	-	-	-524	2278	1134	-	-	-445	1662	827	-	-	-325
30 -1.1	Q[Btu/h]	22000	19800	-	-	-16249	20000	18000	-	-	-14772	17200	15480	-	-	-12704	14000	12600	-	-	-10340
	W	2787	1387	-	-	-505	2680	1334	-	-	-485	2278	1134	-	-	-413	1662	827	-	-	-301
26 -3.3	Q[Btu/h]	22000	19800	-	-	-16434	20000	18000	-	-	-14940	17200	15480	-	-	-12848	14000	12600	-	-	-10458
	W	2787	1387	-	-	-465	2680	1334	-	-	-447	2278	1134	-	-	-380	1662	827	-	-	-277
22 -5.6	Q[Btu/h]	22000	19800	-	-	-16627	20000	18000	-	-	-15116	17200	15480	-	-	-12999	14000	12600	-	-	-10581
	W	2787	1387	-	-	-423	2680	1334	-	-	-407	2278	1134	-	-	-346	1662	827	-	-	-252
18 -7.8	Q[Btu/h]	22000	19800	-	-	-16812	20000	18000	-	-	-15284	17200	15480	-	-	-13144	14000	12600	-	-	-10699
	W	2787	1387	-	-	-383	2680	1334	-	-	-369	2278	1134	-	-	-313	1662	827	-	-	-229
14 -10	Q[Btu/h]	22000	19800	-	-	-16997	20000	18000	-	-	-15452	17200	15480	-	-	-13288	14000	12600	-	-	-10816
	W	2787	1387	-	-	-344	2680	1334	-	-	-330	2278	1134	-	-	-281	1662	827	-	-	-205

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41°F.

MXZ-2C20NAHZ2
2) HEATING

Rated
 Q(Btu/h): 22000
 W: 1612

MAX.
 Q(BTU/H): 25500
 W: 3650

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q[Btu/h]	37925	27614	20711	-	-	17793	39317	28627	21471	-	-	18446	40493	29484	22113	-	-	18998
		W	3338	1897	1599	-	-	1065	3213	1826	1540	-	-	1026	3119	1773	1495	-	-	996
60	15.6	Q[Btu/h]	34415	26178	19634	-	-	16433	35746	27191	20393	-	-	17069	36873	28048	21036	-	-	17607
		W	3185	1837	1549	-	-	1044	3066	1768	1491	-	-	1005	2977	1717	1447	-	-	976
55	12.8	Q[Btu/h]	31200	24742	18557	-	-	15028	32478	25755	19316	-	-	15644	33559	26612	19959	-	-	16164
		W	3056	1753	1477	-	-	1031	2915	1671	1409	-	-	983	2830	1623	1368	-	-	955
50	10.0	Q[Btu/h]	28412	23306	17479	-	-	13628	29648	24319	18239	-	-	14221	30692	25176	18882	-	-	14722
		W	2897	1645	1386	-	-	1008	2790	1584	1335	-	-	971	2682	1523	1284	-	-	934
47	7.2	Q[Btu/h]	26099	22444	16833	-	-	12258	27278	23457	17593	-	-	12811	28274	24314	18236	-	-	13279
		W	2763	1632	1376	-	-	995	2636	1557	1313	-	-	949	2535	1498	1262	-	-	913
42	4.4	Q[Btu/h]	21738	18907	14180	-	-	10869	22787	19819	14864	-	-	11394	23673	20590	15443	-	-	11837
		W	2602	1687	1422	-	-	972	2483	1609	1357	-	-	927	2388	1548	1305	-	-	892
35	1.7	Q[Btu/h]	24347	18909	14182	-	-	17584	25495	19800	14850	-	-	18412	26515	20592	15444	-	-	19149
		W	3517	1956	1649	-	-	1652	3386	1884	1588	-	-	1591	3256	1811	1527	-	-	1530
32	-1.1	Q[Btu/h]	24810	19960	14970	-	-	16350	25979	20900	15675	-	-	17121	27018	21736	16302	-	-	17806
		W	3363	2064	1740	-	-	1607	3239	1988	1676	-	-	1547	3114	1911	1611	-	-	1488
27	-3.9	Q[Btu/h]	23317	19960	14970	-	-	15251	24416	20900	15675	-	-	15969	25392	21736	16302	-	-	16608
		W	3187	2066	1742	-	-	1553	3098	2008	1693	-	-	1509	2979	1931	1628	-	-	1451
22	-6.7	Q[Btu/h]	22024	19960	14970	-	-	14281	23062	20900	15675	-	-	14954	23984	21736	16302	-	-	15552
		W	3058	2173	1832	-	-	1520	2973	2112	1781	-	-	1478	2858	2031	1712	-	-	1421
17	-9.4	Q[Btu/h]	20975	19960	14970	-	-	13478	21964	20900	15675	-	-	14113	22842	21736	16302	-	-	14678
		W	2947	2280	1922	-	-	1495	2947	2280	1922	-	-	1495	2754	2131	1797	-	-	1397
12	-12.2	Q[Btu/h]	24102	19960	14970	-	-	15134	25237	20900	15675	-	-	15847	26247	21736	16302	-	-	16481
		W	3675	2560	2158	-	-	1780	3571	2487	2097	-	-	1730	3467	2415	2036	-	-	1680
5	-15.0	Q[Btu/h]	23511	19960	14970	-	-	14559	24619	20900	15675	-	-	15245	25603	21736	16302	-	-	15855
		W	3499	2666	2247	-	-	1748	3400	2590	2184	-	-	1699	3301	2515	2120	-	-	1649
2	-17.8	Q[Btu/h]	23405	19298	-	-	-	17480	24521	20217	-	-	-	18313	25501	21025	-	-	-	19045
		W	3903	2991	-	-	-	2491	3611	2766	-	-	-	2305	3253	2492	-	-	-	2076
-3	-20.6	Q[Btu/h]	23334	16540	-	-	-	17164	24509	17373	-	-	-	18027	25485	18065	-	-	-	18746
		W	3247	2542	-	-	-	2143	3155	2470	-	-	-	2083	3063	2398	-	-	-	2022
-8	-23.3	Q[Btu/h]	23987	13782	-	-	-	17147	25284	14528	-	-	-	18074	26286	15104	-	-	-	18791
		W	2971	2442	-	-	-	2083	2887	2373	-	-	-	2024	2803	2304	-	-	-	1965

* Above data is for heating operation without any frost.

MXZ-3C24NAHZ2
2) HEATING

Rated
 Q(Btu/h): 25000
 W: 1725

Max.
 Q(Btu/h): 30600
 W: 4540

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q[Btu/h]	38201	31380	23535	-	-	17806	39602	32531	24398	-	-	18459	40788	33505	25129	-	-	19011
		W	4804	2030	1712	-	-	1512	4625	1954	1648	-	-	1456	4490	1898	1600	-	-	1413
60	15.6	Q[Btu/h]	35737	29748	22311	-	-	16600	37120	30899	23174	-	-	17242	38290	31873	23905	-	-	17785
		W	4569	1966	1657	-	-	1457	4398	1892	1595	-	-	1403	4270	1837	1549	-	-	1362
55	12.8	Q[Btu/h]	33297	28116	21087	-	-	15402	34661	29267	21950	-	-	16033	35814	30241	22681	-	-	16567
		W	4377	1875	1581	-	-	1415	4175	1789	1508	-	-	1350	4053	1737	1464	-	-	1310
50	10.0	Q[Btu/h]	30978	26484	19863	-	-	14266	32325	27635	20726	-	-	14886	33464	28609	21457	-	-	15411
		W	4157	1767	1490	-	-	1363	4003	1702	1435	-	-	1313	3849	1637	1380	-	-	1262
47	7.2	Q[Btu/h]	28707	25505	19129	-	-	13145	30003	26656	19992	-	-	13738	31099	27630	20722	-	-	14240
		W	3975	1751	1476	-	-	1324	3793	1670	1408	-	-	1263	3647	1606	1354	-	-	1214
42	4.4	Q[Btu/h]	24119	21486	16114	-	-	12203	25282	22522	16891	-	-	12791	26266	23398	17549	-	-	13289
		W	3801	1805	1522	-	-	1282	3627	1722	1452	-	-	1223	3487	1656	1396	-	-	1176
35	1.7	Q[Btu/h]	28722	21488	16116	-	-	11359	30076	22500	16875	-	-	11894	31279	23400	17550	-	-	12370
		W	5571	2093	1765	-	-	1232	5364	2016	1699	-	-	1187	5158	1938	1634	-	-	1141
32	-1.1	Q[Btu/h]	28495	22681	17011	-	-	16716	29838	23750	17813	-	-	17503	31031	24700	18525	-	-	18203
		W	5297	2201	1856	-	-	2054	5101	2120	1787	-	-	1978	4904	2038	1718	-	-	1902
27	-3.9	Q[Btu/h]	26862	22681	17011	-	-	15625	28127	23750	17813	-	-	16361	29252	24700	18525	-	-	17016
		W	5006	2219	1870	-	-	1946	4865	2156	1818	-	-	1891	4678	2074	1748	-	-	1818
22	-6.7	Q[Btu/h]	25439	22681	17011	-	-	14651	26638	23750	17813	-	-	15341	27703	24700	18525	-	-	15955
		W	4791	2326	1961	-	-	1867	4657	2260	1906	-	-	1814	4478	2174	1832	-	-	1744
17	-9.4	Q[Btu/h]	24284	22681	17011	-	-	13830	25429	23750	17813	-	-	14481	26446	24700	18525	-	-	15061
		W	4608	2433	2051	-	-	1800	4608	2433	2051	-	-	1800	4307	2274	1917	-	-	1682
12	-12.2	Q[Btu/h]	29309	22681	17011	-	-	17351	30690	23750	17813	-	-	18169	31918	24700	18525	-	-	18896
		W	6161	2746	2315	-	-	2524	5986	2669	2250	-	-	2453	5812	2591	2184	-	-	2381
5	-15.0	Q[Btu/h]	28644	22681	17011	-	-	16654	29993	23750	17813	-	-	17439	31193	24700	18525	-	-	18136
		W	5827	2852	2405	-	-	2413	5662	2772	2337	-	-	2345	5497	2691	2269	-	-	2277
2	-17.8	Q[Btu/h]	28531	21929	-	-	-	19653	29890	22974	-	-	-	20590	31085	23893	-	-	-	21413
		W	6482	3200	-	-	-	3471	5996	2960	-	-	-	3211	5402	2667	-	-	-	2893
-3	-20.6	Q[Btu/h]	28593	18795	-	-	-	19138	30032	19742	-	-	-	20101	31228	20528	-	-	-	20902
		W	5274	2720	-	-	-	2899	5125	2643	-	-	-	2817	4975	2566	-	-	-	2735
-8	-23.3	Q[Btu/h]	28596	15662	-	-	-	18885	30142	16509	-	-	-	19906	31337	17163	-	-	-	20695
		W	5190	2614	-	-	-	2734	5043	2540	-	-	-	2657	4896	2466	-	-	-	2579

* Above data is for heating operation without any frost.

MXZ-3C30NAH22

Rated
Q(Btu/h): 28400
W: 2272

Max.
Q(Btu/h): 28400

1) COOLING

Indoor W.B.		72°F / 22.2°C					67°F / 19.4°C					64°F / 17.8°C					61°F / 16.1°C								
Outdoor D.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F) (°C)																									
115	46.1	Q[Btu/h]	25778	22720	17040	11360	-10735	24811	21868	16401	10934	-10333	24489	21584	16188	10792	-10198	22555	19880	14910	9940	-	9393		
		W	4028	1772	1122	758	-1246	4441	1954	1237	836	-1373	4596	2022	1280	865	-1421	4338	1908	1208	817	-	1341		
110	43.3	Q[Btu/h]	27460	28173	21129.6	14086.4	-11285	25743	26412	19809	13206	-10580	23806	24424	18318	12212	-9784	19377	19880	14910	9940	-	7964		
		W	4096	2463	1559	1054	-1243	4307	2590	1640	1109	-1307	3858	2320	1469	993	-1171	2871	1727	1093	739	-	872		
106	41.1	Q[Btu/h]	29263	29820	22365	14910	-11909	26476	26980	20235	13490	-10775	23968	24424	18318	12212	-9754	19509	19880	14910	9940	-	7939		
		W	4354	2590	1640	1109	-1301	4202	2499	1582	1070	-1256	3714	2209	1398	945	-1110	2750	1636	1035	700	-	822		
102	38.9	Q[Btu/h]	30043	30104	22578	15052	-12112	27209	27264	20448	13632	-10969	24374	24424	18318	12212	-9827	19840	19880	14910	9940	-	7998		
		W	4248	2545	1611	1089	-1248	4096	2454	1553	1050	-1204	3595	2153	1363	922	-1056	2655	1590	1007	681	-	780		
98	36.7	Q[Btu/h]	30792	30672	23004	15336	-12303	27941	27832	20874	13916	-11164	24520	24424	18318	12212	-9797	19958	19880	14910	9940	-	7974		
		W	4144	2454	1553	1050	-1196	3991	2363	1496	1011	-1152	3449	2042	1293	874	-996	2532	1500	949	642	-	731		
94	34.4	Q[Btu/h]	31240	31240	23430	15620	-12504	28400	28400	21300	14200	-11367	24424	24424	18318	12212	-9776	19880	19880	14910	9940	-	7957		
		W	2363	2363	1496	1011	-1142	2272	2272	1438	972	-1098	1931	1931	1222	827	-933	1409	1409	892	603	-	681		
90	32.2	Q[Btu/h]	31240	31240	23430	15620	-12718	28400	28400	21300	14200	-11561	24424	24424	18318	12212	-9943	19880	19880	14910	9940	-	8093		
		W	2363	2363	1496	1011	-1088	2272	2272	1438	972	-1046	1931	1931	1222	827	-889	1409	1409	892	603	-	649		
86	30	Q[Btu/h]	31240	31240	23430	15620	-12932	28400	28400	21300	14200	-11756	24424	24424	18318	12212	-10110	19880	19880	14910	9940	-	8229		
		W	2363	2363	1496	1011	-1034	2272	2272	1438	972	-994	1931	1931	1222	827	-845	1409	1409	892	603	-	617		
82	27.8	Q[Btu/h]	31240	31240	23430	15620	-13145	28400	28400	21300	14200	-11950	24424	24424	18318	12212	-10277	19880	19880	14910	9940	-	8365		
		W	2363	2363	1496	1011	-980	2272	2272	1438	972	-943	1931	1931	1222	827	-801	1409	1409	892	603	-	584		
78	25.6	Q[Btu/h]	31240	31240	23430	15620	-13359	28400	28400	21300	14200	-12145	24424	24424	18318	12212	-10445	19880	19880	14910	9940	-	8501		
		W	2363	2363	1496	1011	-926	2272	2272	1438	972	-891	1931	1931	1222	827	-757	1409	1409	892	603	-	552		
74	23.3	Q[Btu/h]	31240	31240	23430	15620	-13583	28400	28400	21300	14200	-12348	24424	24424	18318	12212	-10619	19880	19880	14910	9940	-	8644		
		W	2363	2363	1496	1011	-870	2272	2272	1438	972	-837	1931	1931	1222	827	-711	1409	1409	892	603	-	519		
70	21.1	Q[Btu/h]	31240	31240	23430	15620	-13797	28400	28400	21300	14200	-12543	24424	24424	18318	12212	-10787	19880	19880	14910	9940	-	8780		
		W	2363	2363	1496	1011	-816	2272	2272	1438	972	-785	1931	1931	1222	827	-667	1409	1409	892	603	-	487		
66	18.9	Q[Btu/h]	31240	31240	23430	15620	-14011	28400	28400	21300	14200	-12737	24424	24424	18318	12212	-10954	19880	19880	14910	9940	-	8916		
		W	2363	2363	1496	1011	-762	2272	2272	1438	972	-733	1931	1931	1222	827	-623	1409	1409	892	603	-	455		
62	16.7	Q[Btu/h]	31240	31240	23430	15620	-14225	28400	28400	21300	14200	-12932	24424	24424	18318	12212	-11121	19880	19880	14910	9940	-	9052		
		W	2363	2363	1496	1011	-709	2272	2272	1438	972	-681	1931	1931	1222	827	-579	1409	1409	892	603	-	422		
58	14.4	Q[Btu/h]	31240	31240	23430	15620	-14448	28400	28400	21300	14200	-13135	24424	24424	18318	12212	-11296	19880	19880	14910	9940	-	9194		
		W	2363	2363	1496	1011	-652	2272	2272	1438	972	-627	1931	1931	1222	827	-533	1409	1409	892	603	-	389		
54	12.2	Q[Btu/h]	31240	31240	23430	15620	-14662	28400	28400	21300	14200	-13329	24424	24424	18318	12212	-11463	19880	19880	14910	9940	-	9331		
		W	2363	2363	1496	1011	-599	2272	2272	1438	972	-575	1931	1931	1222	827	-489	1409	1409	892	603	-	357		
50	10	Q[Btu/h]	31240	31240	23430	15620	-14876	28400	28400	21300	14200	-13524	24424	24424	18318	12212	-11631	19880	19880	14910	9940	-	9467		
		W	2363	2363	1496	1011	-545	2272	2272	1438	972	-524	1931	1931	1222	827	-445	1409	1409	892	603	-	325		
46	7.8	Q[Btu/h]	31240	31240	23430	15620	-15090	28400	28400	21300	14200	-13718	24424	24424	18318	12212	-11798	19880	19880	14910	9940	-	9603		
		W	2363	2363	1496	1011	-491	2272	2272	1438	972	-472	1931	1931	1222	827	-401	1409	1409	892	603	-	293		
42	5.6	Q[Btu/h]	31240	31240	23430	15620	-15304	28400	28400	21300	14200	-13913	24424	24424	18318	12212	-11965	19880	19880	14910	9940	-	9739		
		W	2363	2363	1496	1011	-437	2272	2272	1438	972	-420	1931	1931	1222	827	-357	1409	1409	892	603	-	260		
38	3.3	Q[Btu/h]	31240	31240	23430	15620	-15528	28400	28400	21300	14200	-14116	24424	24424	18318	12212	-12140	19880	19880	14910	9940	-	9881		
		W	2363	2363	1496	1011	-381	2272	2272	1438	972	-366	1931	1931	1222	827	-311	1409	1409	892	603	-	227		
34	1.1	Q[Btu/h]	31240	31240	23430	-	-15742	28400	28400	21300	-	-14311	24424	24424	18318	-	-12307	19880	19880	14910	-	-	-10018		
		W	2363	2363	1496	-	-327	2272	2272	1438	-	-314	1931	1931	1222	-	-267	1409	1409	892	-	-	-195		
30	-1.1	Q[Btu/h]	31240	31240	23430	-	-15956	28400	28400	21300	-	-14505	24424	24424	18318	-	-12475	19880	19880	14910	-	-	-10154		
		W	2363	2363	1496	-	-273	2272	2272	1438	-	-262	1931	1931	1222	-	-223	1409	1409	892	-	-	-163		
26	-3.3	Q[Btu/h]	31240	31240	23430	-	-16170	28400	28400	21300	-	-14700	24424	24424	18318	-	-12642	19880	19880	14910	-	-	-10290		
		W	2363	2363	1496	-	-219	2272	2272	1438	-	-211	1931	1931	1222	-	-179	1409	1409	892	-	-	-131		
22	-5.6	Q[Btu/h]	31240	31240	23430	-	-16393	28400	28400	21300	-	-14903	24424	24424	18318	-	-12817	19880	19880	14910	-	-	-10432		
		W	2363	2363	1496	-	-163	2272	2272	1438	-	-157	1931	1931	1222	-	-133	1409	1409	892	-	-	-97		
18	-7.8	Q[Btu/h]	31240	31240	23430	-	-16607	28400	28400	21300	-	-15098	24424	24424	18318	-	-12984	19880	19880	14910	-	-	-10568		
		W	2363	2363	1496	-	-109	2272	2272	1438	-	-105	1931	1931	1222	-	-89	1409	1409	892	-	-	-65		
14	-10	Q[Btu/h]	31240	31240	23430	-	-16821	28400	28400	21300	-	-15292	24424	24424	18318	-	-13151	19880	19880	14910	-	-	-10704		
		W	2363	2363	1496	-	-55	2272	2272	1438	-	-53	1931	1931	1222	-	-45	1409	1409	892	-	-	-33		

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41°F.

MXZ-3C30NAHZ2
2) HEATING

Rated
 Q(Btu/h): 28600
 W: 2096

Max.
 Q(Btu/h): 36000

Indoor D.B.		80°F/26.7°C						70°F / 21.1°C						60°F/15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
65	18.3	Q[Btu/h]	44408	32309	24231	16154	- 17806	46038	33494	25121	16747	- 18459	47416	34497	25872	17248	- 19011			
		W	4468	2837	2392	1515	- 1512	4301	2731	2302	1458	- 1456	4176	2651	2235	1416	- 1413			
60	15.6	Q[Btu/h]	41544	30628	22971	15314	- 16600	43152	31814	23860	15907	- 17242	44512	32816	24612	16408	- 17785			
		W	4249	2747	2316	1467	- 1457	4091	2644	2229	1412	- 1403	3971	2567	2164	1371	- 1362			
55	12.8	Q[Btu/h]	38708	28948	21711	14474	- 15402	40293	30134	22600	15067	- 16033	41634	31136	23352	15568	- 16567			
		W	4071	2621	2209	1399	- 1415	3882	2499	2107	1335	- 1350	3769	2426	2046	1296	- 1310			
50	10.0	Q[Btu/h]	36012	27268	20451	13634	- 14266	37578	28453	21340	14227	- 14886	38902	29456	22092	14728	- 15411			
		W	3866	2496	2104	1333	- 1363	3723	2404	2027	1284	- 1313	3579	2311	1949	1234	- 1262			
47	7.2	Q[Btu/h]	33372	26260	19695	13130	- 13145	34878	27445	20584	13723	- 13738	36152	28448	21336	14224	- 14240			
		W	3697	2460	2073	1313	- 1324	3527	2347	1978	1253	- 1263	3392	2256	1902	1205	- 1214			
42	4.4	Q[Btu/h]	28038	22122	16591	11061	- 12203	29390	23188	17391	11594	- 12791	30534	24091	18068	12045	- 13289			
		W	3535	2522	2126	1347	- 1282	3373	2407	2029	1285	- 1223	3243	2314	1951	1236	- 1176			
35	1.7	Q[Btu/h]	33390	22124	16593	11062	- 11359	34963	23166	17375	11583	- 11894	36362	24093	18069	12046	- 12370			
		W	5181	2925	2466	1562	- 1232	4989	2817	2375	1504	- 1187	4797	2708	2283	1446	- 1141			
32	-1.1	Q[Btu/h]	33125	23353	17514	-	- 16716	34686	24453	18340	-	- 17503	36074	25431	19073	-	- 18203			
		W	4926	3049	2571	-	- 2054	4744	2936	2475	-	- 1978	4561	2823	2380	-	- 1902			
27	-3.9	Q[Btu/h]	31227	23353	17514	-	- 15625	32698	24453	18340	-	- 16361	34006	25431	19073	-	- 17016			
		W	4655	3127	2636	-	- 1946	4525	3039	2562	-	- 1891	4351	2922	2463	-	- 1818			
22	-6.7	Q[Btu/h]	29573	23353	17514	-	- 14651	30967	24453	18340	-	- 15341	32205	25431	19073	-	- 15955			
		W	4456	3250	2739	-	- 1867	4331	3159	2663	-	- 1814	4164	3037	2560	-	- 1744			
17	-9.4	Q[Btu/h]	28231	23353	17514	-	- 13830	29561	24453	18340	-	- 14481	30743	25431	19073	-	- 15061			
		W	4286	3373	2843	-	- 1800	4286	3373	2843	-	- 1800	4005	3152	2657	-	- 1682			
12	-12.2	Q[Btu/h]	34072	23353	17514	-	- 17351	35678	24453	18340	-	- 18169	37105	25431	19073	-	- 18896			
		W	5729	3864	3257	-	- 2524	5567	3755	3165	-	- 2453	5405	3645	3073	-	- 2381			
5	-15.0	Q[Btu/h]	33298	23353	17514	-	- 16654	34867	24453	18340	-	- 17439	36262	25431	19073	-	- 18136			
		W	5419	3986	3360	-	- 2413	5266	3873	3265	-	- 2345	5113	3760	3170	-	- 2277			
2	-17.8	Q[Btu/h]	33167	22578	19033	-	- 19653	34747	23654	19940	-	- 20590	36136	24600	18450	-	- 21413			
		W	6029	4472	3770	-	- 3471	5577	4136	3487	-	- 3211	5024	3726	3141	-	- 2893			
-3	-20.6	Q[Btu/h]	33239	19352	-	-	- 19138	34912	20326	-	-	- 20101	36303	21136	-	-	- 20902			
		W	4905	3801	-	-	- 2899	4766	3693	-	-	- 2817	4627	3586	-	-	- 2735			
-8	-23.3	Q[Btu/h]	33242	16125	-	-	- 18885	35040	16998	-	-	- 19906	36429	17671	-	-	- 20695			
		W	4827	3652	-	-	- 2734	4690	3549	-	-	- 2657	4554	3445	-	-	- 2579			

* Above data is for heating operation without any frost.






B. MULTI-USE

MXZ-8C48NA MXZ-8C60NA
MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ

1 | REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. OUTDOOR UNIT

Model name	Service Ref.	Service Manual No.
MXZ-8C48NA MXZ-8C60NA MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ	MXZ-8C48NA -  MXZ-8C60NA -  MXZ-4C36NAHZ -  MXZ-5C42NAHZ -  MXZ-8C48NAHZ - 	OCH573D OCB573B

1-2. BRANCH BOX

Model name	Service Ref.	Service Manual No.
PAC-MKA51BC PAC-MKA31BC	PAC-MKA51BC PAC-MKA31BC	OCH573D OCB573B

2 | SPECIFICATIONS

2-1. OUTDOOR UNIT MXZ-8C48NA

Conversion formula:	kcal/h = kW × 860
	Btu/h = kW × 3412
	CFM = m³/min × 35.31

Service Ref.			MXZ-8C48NA			
Standard performance	Indoor type		Non-Ducted	Mix	Ducted	
	Cooling	Capacity Rated*1	BTU/h	48,000	48,000	48,000
		Rated power consumption*1	W	4,000	4,465	5,050
		EER	BTU/Wh	12.00	10.75	9.50
		SEER	BTU/Wh	18.9	16.8	14.7
	Heating	Capacity Rated 47°F*1	BTU/h	54,000	54,000	54,000
		Capacity Max. 17°F*2	BTU/h	36,600	36,600	36,600
		Capacity Max. 5°F	BTU/h	32,400	32,400	32,400
		Rated power consumption 47°F*1	W	4,220	4,605	4,990
		COP 47°F*1	BTU/Wh	3.75	3.44	3.17
		HSPF IV/V	BTU/Wh	11.4/8.7	10.8/8.6	10.1/8.4
OUTDOOR UNIT	Connectable indoor units (Max.)		8			
	Max. Connectable Capacity	BTU/h	62,000			
	Power supply		1 Phase 208/230 V, 60 Hz			
	Breaker Size / Max. fuse size		40 A/52 A 40A/50 A (for the models with U1)			
	Min. circuit ampacity		37 A			
	Sound level (Cool/Heat)	dB	51/ 54			
	External finish		Munsell 3Y 7.8 / 1.1			
	Refrigerant control		Linear Expansion Valve			
	Compressor		Hermetic			
		Model	ANB33FNHMT			
		Motor output	kW	3.4		
		Starting method		Inverter		
	Heat exchanger		Plate fin coil			
	Fan	Fan (drive) × No.		Propeller fan × 2		
		Fan motor output	kW	0.06 + 0.06	0.074 + 0.074 (for the models with U1)	
		Airflow	m³/min (CFM)	110 (3885)		
	Dimensions (H × W × D)	W	in (mm)	41-11/32 (1050)		
		D	in (mm)	13+1 (330+25)		
		H	in (mm)	52-11/16 (1338)		
	Weight		lb (kg)	269 (122)		
	Refrigerant		R410A			
		Charge	lb (kg)	10 lbs. 9 oz. (4.8)		
		Oil / Model	fl oz (L)	78 (2.3) /Ethereal oil (FV50S)		
Protection devices	High pressure protection		HP switch			
	Compressor protection		Compressor thermo, Over current detection			
	Fan motor protection		Overheating / Voltage protection			
Guaranteed operation range		(cool)	D.B. 23 to 115°F [D.B. -5 to 46°C]*3			
		(heat)	D.B. -4 to 70°F [D.B. -20 to 21°C]			
REFRIGERANT PIPING	Total Piping length (Max.)		ft (m)	492 (150)		
	Farthest		ft (m)	262 (80)		
	Max. Height difference		ft (m)	164 (50)*4		
	Chargeless length		ft (m)	0		
	Piping diameter	Liquid	φin (mm)	φ3/8 (9.52)		
		Gas	φin (mm)	φ5/8 (15.88)		
	Connection method	Indoor side		Flared		
		Outdoor side		Flared		

*1 Rating conditions Cooling Indoor : D.B. 80°F/ W.B. 67°F [D.B. 26.7°C/ W.B. 19.4°C]
 Outdoor : D.B. 95°F [D.B. 35.0°C]
 Heating Indoor : D.B. 70°F [D.B. 21.1°C]
 Outdoor : D.B. 47°F/ W.B. 43°F [D.B. 8.3°C / W.B. 6.1°C]

*2 Conditions Heating Indoor : D.B. 70°F [D.B. 21.1°C]
 Outdoor : D.B. 17°F/ W.B. 15°F [D.B. -8.3°C/ W.B. -9.4°C]

*3 D.B. 5 to 115°F [D.B. -15 to 46°C], when an optional Air Outlet Guide is installed.

*4 131 ft [40 m], in case of installing outdoor unit lower than indoor unit.

Note: Refer to the indoor unit's service manual for the indoor units specifications.

MXZ-8C60NA

Conversion formula:	kcal/h = kW × 860
	BTU/h = kW × 3412
	CFM = m ³ /min × 35.31

Service Ref.			MXZ-8C60NA			
Standard performance	Indoor type		Non-Ducted	Mix	Ducted	
	Cooling	Capacity Rated* ¹	BTU/h	60,000	60,000	60,000
		Rated power consumption* ¹	W	4,800	5,525	6,250
		EER	BTU/Wh	12.50	11.05	9.60
		SEER	BTU/Wh	17.4	16.3	15.1
	Heating	Capacity Rated 47°F* ¹	BTU/h	66,000	66,000	66,000
		Capacity Max. 17°F* ²	BTU/h	65,000	61,500	58,000
		Capacity Max. 5°F	BTU/h	57,000	49,500	42,000
		Rated power consumption 47°F* ¹	W	5,670	5,670	5,670
		COP 47°F* ¹	BTU/Wh	3.40	3.40	3.40
HSPF IV/V		BTU/Wh	10.50/8.50	10.25/8.25	10.00/8.00	
OUTDOOR UNIT	Connectable indoor units (Max.)		8			
	Max. Connectable Capacity	BTU/h	78,000			
	Power supply		1 Phase 208/230 V, 60 Hz			
	Breaker Size/Max. fuse size		50 A/52 A			
	Min. circuit ampacity		46A			
	Sound level (Cool/Heat)	dB	58/59			
	External finish		Munsell 3Y 7.8/ 1.1			
	Refrigerant control		Linear Expansion Valve			
	Compressor		Hermetic			
		Model	ANB66FFZMT			
		Motor output	kW	4.2		
		Starting method		Inverter		
	Heat exchanger		Plate fin coil			
	Fan	Fan (drive) × No.		Propeller fan × 2		
		Fan motor output	kW	0.2 + 0.2		
		Airflow	m ³ /min (CFM)	138 (4879)		
	Dimensions (H × W × D)	W	in (mm)	41-11/32 (1050)		
		D	in (mm)	13+1 (330+25)		
		H	in (mm)	52-11/16 (1338)		
	Weight	lb (kg)		309 (140)		
	Refrigerant		R410A			
		Charge	lb (kg)	11 lbs. 4 oz.(5.1)		
	Oil/Model	oz (L)	78 (2.3)/Ethereal oil (FV50S)			
Protection devices	High pressure protection		HP switch			
	Compressor protection		Compressor thermo, Overcurrent detection			
	Fan motor protection		Overheating/Voltage protection			
Guaranteed operation range		(cool)	D.B 23 to 115°F [D.B. -5 to 46°C] * ³			
		(heat)	D.B. -4 to 70°F [D.B. -20 to 21°C]			
REFRIGERANT PIPING	Total Piping length (Max.)		492 (150)			
	Farthest		262 (80)			
	Max. Height difference		164 (50)* ⁴			
	Chargeless length		0			
	Piping diameter	Liquid	øinch (mm)	ø3/8 (9.52)		
		Gas	øinch (mm)	ø3/4 (19.05)		
	Connection method	Indoor side		Flared		
Outdoor side		Flared				

*¹ Rating conditions Cooling Indoor : D.B. 80°F/W.B. 67 °F [D.B.26.7°C/W.B. 19.4°C]

Outdoor : D.B. 95°F [D.B. 35.0°C]

Heating Indoor : D.B. 70°F [D.B. 21.1°C]

Outdoor : D.B. 47°F/W.B. 43°F [D.B. 8.3°C/W.B. 6.1°C]

*² Conditions Heating Indoor : D.B. 70°F [D.B. 21.1°C]

Outdoor : D.B. 17°F/W.B. 15°F [D.B. -8.3°C/W.B. -9.4°C]

*³ D.B. 5 to 115°F [D.B. -15 to 46°C], when an optional Air Outlet Guide øøis installed.

*⁴ 131 ft [40 m], in case of installing outdoor unit lower than indoor unit.

Note: Refer to the indoor unit's service manual for the indoor units specifications.

MXZ-4C36NAHZ MXZ-5C42NAHZ

Conversion formula:	kcal/h = kW x 860 BTU/h = kW x 3412 CFM = m ³ /min x 35.31
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Service Ref.			MXZ-4C36NAHZ			MXZ-5C42NAHZ			
Standard performance	Indoor type		Non-Ducted	Mix	Ducted	Non-Ducted	Mix	Ducted	
	Cooling	Capacity Rated* ¹	BTU/h	36,000	36,000	36,000	42,000	42,000	42,000
		Rated power consumption* ¹	W	2,570	2,845	3,180	3,130	3,470	3,890
		EER	BTU/Wh	14.00	12.65	11.30	13.40	12.10	10.80
		SEER	BTU/Wh	19.1	17.5	15.8	19.0	17.0	15.0
	Heating	Capacity Rated 47°F* ¹	BTU/h	45,000	45,000	45,000	48,000	48,000	48,000
		Capacity Max. 17°F* ²	BTU/h	45,000	45,000	45,000	48,000	48,000	48,000
		Capacity Max. 5°F	BTU/h	45,000	45,000	45,000	48,000	48,000	48,000
		Rated power consumption 47°F* ¹	W	3,340	3,795	4,250	3,430	3,890	4,350
		COP 47°F* ¹	BTU/Wh	3.95	3.48	3.10	4.10	3.62	3.23
HSPF IV/V		BTU/Wh	11.3/9.2	10.7/8.9	10.1/8.5	11.0/9.1	10.6/9.0	10.1/8.8	
OUTDOOR UNIT	Connectable indoor units (Max.)		4			5			
	Max. Connectable Capacity	BTU/h	46,000			54,000			
	Power supply		1 Phase 208/230 V, 60 Hz						
	Breaker Size / Max. fuse size		50 A/52 A 50 A/50 A (for the models with U1)						
	Min. circuit ampacity		42 A						
	Sound level (Cool/Heat)	dB	49/ 53			50/ 54			
	External finish		Munsell 3Y 7.8/ 1.1						
	Refrigerant control		Linear Expansion Valve						
	Compressor		Hermetic						
		Model	ANB33FJSMT						
		Motor output	2.8			3.0			
		Starting method	Inverter						
	Heat exchanger		Plate fin coil						
	Fan	Fan (drive) x No.		Propeller fan x 2					
		Fan motor output	kW	0.06 + 0.06			0.074 + 0.074 (for the models with U1)		
		Airflow	m ³ /min (CFM)	110 (3885)					
	Dimensions (H x W x D)	W	in (mm)	41-11/32 (1050)					
		D	in (mm)	13+1 (330+25)					
		H	in (mm)	52-11/16 (1338)					
	Weight	lb (kg)	276 (125)						
Refrigerant		R410A							
	Charge	lb (kg)	10 lbs. 9 oz.(4.8)						
	Oil/ Model	fl oz (L)	78 (2.3)/Ethereal oil (FV50S)						
Protection devices	High pressure protection		HP switch						
	Compressor protection		Compressor thermo, Overcurrent detection						
	Fan motor protection		Overheating / Voltage protection						
Guaranteed operation range		(cool)	D.B 23 to 115°F . [D.B.-5 to 46°C] * ³						
		(heat)	D.B. -13 to 70°F [D.B. -25 to 21°C]						
REFRIGERANT PIPING	Total Piping length (Max.)		492 (150)						
	Farthest		262 (80)						
	Max. Height difference		164 (50)* ⁴						
	Chargeless length		0						
	Piping diameter	Liquid	φin (mm)	φ3/8 (9.52)					
		Gas	φin (mm)	φ5/8 (15.88)					
	Connection method	Indoor side		Flared					
Outdoor side		Flared							

*¹ Rating conditions Cooling Indoor : D.B. 80°F/ W.B. 67 °F [D.B.26.7°C/ W.B. 19.4°C]

Outdoor : D.B. 95°F [D.B. 35.0°C]

Heating Indoor : D.B. 70°F [D.B. 21.1°C]

Outdoor : D.B. 47°F/ W.B. 43°F [D.B. 8.3°C/ W.B. 6.1°C]

*² Conditions Heating Indoor : D.B. 70°F [D.B. 21.1°C]

Outdoor : D.B. 17°F/ W.B. 15°F [D.B. -8.3°C/ W.B. -9.4°C]

*³ D.B. 5 to 115°F [D.B. -15 to 46°C], when an optional Air Outlet Guide is installed.

*⁴ 131 ft [40 m], in case of installing outdoor unit lower than indoor unit.

Note: Refer to the indoor unit's service manual for the indoor units specifications.

MXZ-8C48NAHZ

Conversion formula:	kcal/h = kW × 860
	Btu/h = kW × 3412
	CFM = m ³ /min × 35.31

Service Ref.			MXZ-8C48NAHZ			
Standard performance	Indoor type		Non-Ducted	Mix	Ducted	
	Cooling	Capacity Rated*1	BTU/h	48,000	48,000	48,000
		Rated power consumption*1	W	4,000	4,465	5,050
		EER	BTU/Wh	12.00	10.75	9.50
		SEER	BTU/Wh	18.9	16.8	14.7
	Heating	Capacity Rated 47°F*1	BTU/h	54,000	54,000	54,000
		Capacity 17°F*2	BTU/h	54,000	54,000	54,000
		Capacity 5°F	BTU/h	54,000	54,000	54,000
		Rated power consumption 47°F*1	W	4,220	4,605	4,990
		COP 47°F*1	BTU/Wh	3.75	3.44	3.17
HSPF IV/V		BTU/Wh	11.0/9.2	10.5/9.2	10.0/9.2	
OUTDOOR UNIT	Connectable indoor units (Max.)		8			
	Max. Connectable Capacity	BTU/h	62,000			
	Power supply		1 Phase 208/230 V, 60 Hz			
	Breaker Size / Max. fuse size		50 A/52 A 50 A/50 A (for the models with U1)			
	Min. circuit ampacity		42 A			
	Sound level (Cool/Heat)	dB	51/54			
	External finish		Munsell 3Y 7.8 / 1.1			
	Refrigerant control		Linear Expansion Valve			
	Compressor		Hermetic			
		Model	ANB33FJSMT			
		Motor output	kW	3.4		
		Starting method		Inverter		
	Heat exchanger		Plate fin coil			
	Fan	Fan (drive) × No.		Propeller fan × 2		
		Fan motor output	kW	0.06 + 0.06	0.74 + 0.74 (for the models with U1)	
		Airflow	m ³ /min (CFM)	110 (3885)		
	Dimensions (H × W × D)	W	in (mm)	41-11/32 (1050)		
		D	in (mm)	13+1 (330+25)		
		H	in (mm)	52-11/16 (1338)		
	Weight	lb (kg)	276 (125)			
	Refrigerant		R410A			
		Charge	lb (kg)	10 lbs. 9 oz. (4.8)		
		Oil / Model	fl oz (L)	78 (2.3) /Ethereal oil (FV50S)		
	Protection devices	High pressure protection		HP switch		
		Compressor protection		Compressor thermo, Over current detection		
		Fan motor protection		Overheating / Voltage protection		
	Guaranteed operation range		(cool)	D.B. 23 to 115°F [D.B. -5 to 46°C]*3		
			(heat)	D.B. -13 to 70°F [D.B. -25 to 21°C]		
REFRIGERANT PIPING	Total Piping length (Max.)		ft (m)	492 (150)		
	Farthest		ft (m)	262 (80)		
	Max. Height difference		ft (m)	164 (50)*4		
	Chargeless length		ft (m)	0		
	Piping diameter	Liquid	φin (mm)	φ3/8 (9.52)		
		Gas	φin (mm)	φ 5/8 (15.88)		
	Connection method	Indoor side		Flared		
Outdoor side		Flared				

*1 Rating conditions
 Cooling Indoor : D.B. 80°F / W.B. 67°F [D.B. 26.7°C / W.B. 19.4°C]
 Outdoor : D.B. 95°F [D.B. 35.0°C]
 Heating Indoor : D.B. 70°F [D.B. 21.1°C]
 Outdoor : D.B. 47°F / W.B. 43°F [D.B. 8.3°C / W.B. 6.1°C]

*2 Conditions
 Heating Indoor : D.B. 70°F [D.B. 21.1°C]
 Outdoor : D.B. 17°F / W.B. 15°F [D.B. -8.3°C / W.B. -9.4°C]

*3 D.B. 5 to 115°F [D.B. -15 to 46°C], when an optional Air Outlet Guide is installed.

*4 131 ft [40 m], in case of installing outdoor unit lower than indoor unit.

Note: Refer to the indoor unit's service manual for the indoor units specifications.

2-2. BRANCH BOX PAC-MKA51BC PAC-MKA31BC

Model name			PAC-MKA51BC	PAC-MKA31BC	
Connectable number of indoor units			Maximum 5	Maximum 3	
Power supply			Single phase, 208/230 V, 60 Hz		
Input		kW	0.003		
Running current		A	0.05		
External finish			Galvanized sheets		
Dimensions	Width	in (mm)	17-23/32 (450)		
	Depth	in (mm)	11-1/32 (280)		
	Height	in (mm)	6-11/16 (170)		
Weight		lb (kg)	16 (7.4)	15 (6.7)	
Piping connection (Flare)	Branch (indoor side)*	Liquid	in (mm)	$\phi 1/4(6.35) \times 5$ {A,B,C,D,E}	$\phi 1/4(6.35) \times 3$ {A,B,C}
		Gas	in (mm)	$\phi 3/8(9.52) \times 4$ {A,B,C,D}, $\phi 1/2(12.7) \times 1$ {E}	$\phi 3/8(9.52) \times 3$ {A,B,C}
	Main (outdoor side)	Liquid	in (mm)	$\phi 3/8 (9.52)$	
		Gas	in (mm)	$\phi 5/8 (15.88)$	

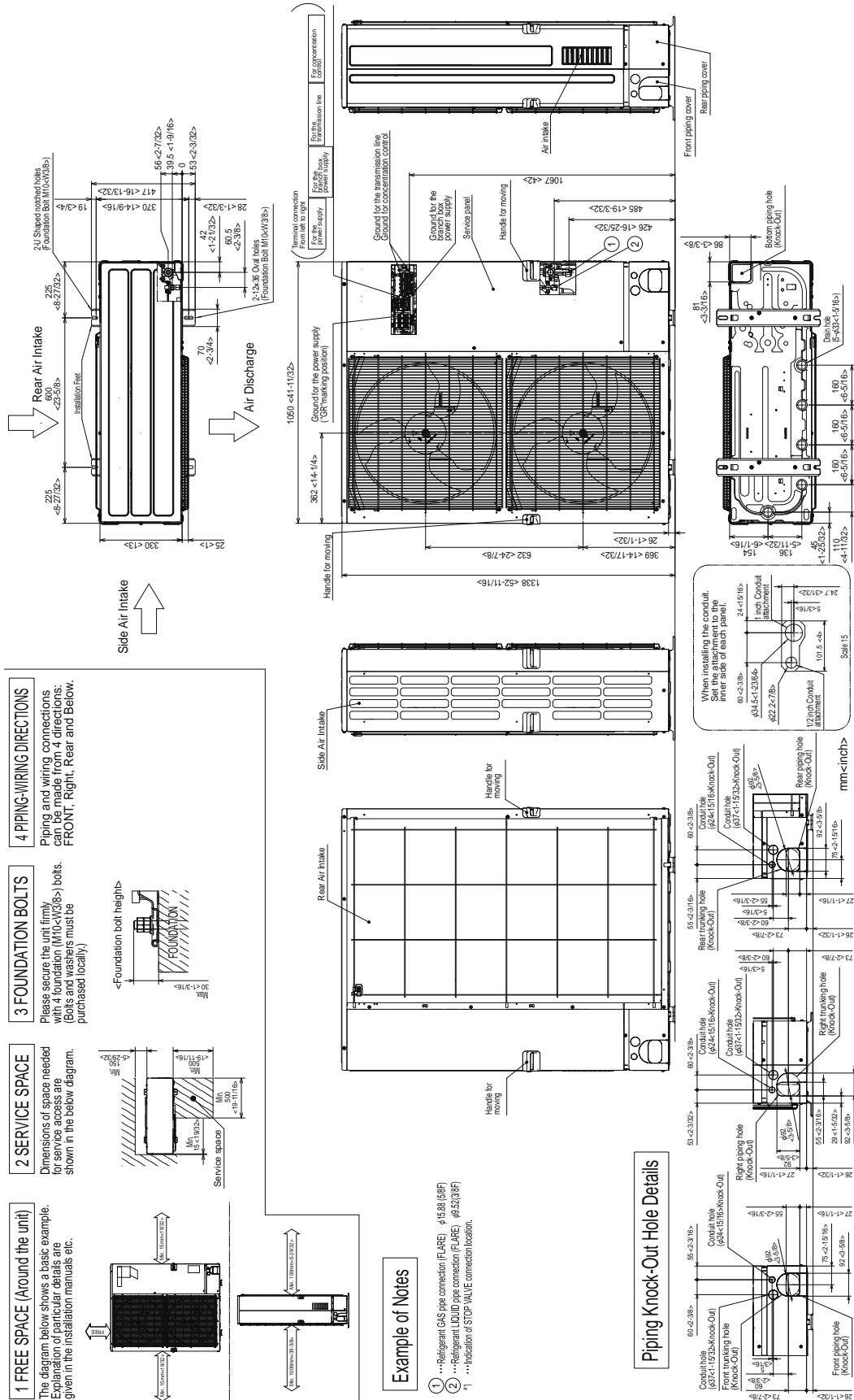
*The piping connection size differs according to the type and capacity of indoor units. Match the piping connection size for indoor and branch box. If the piping connection size of branch box does not match the piping connection size of indoor units, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

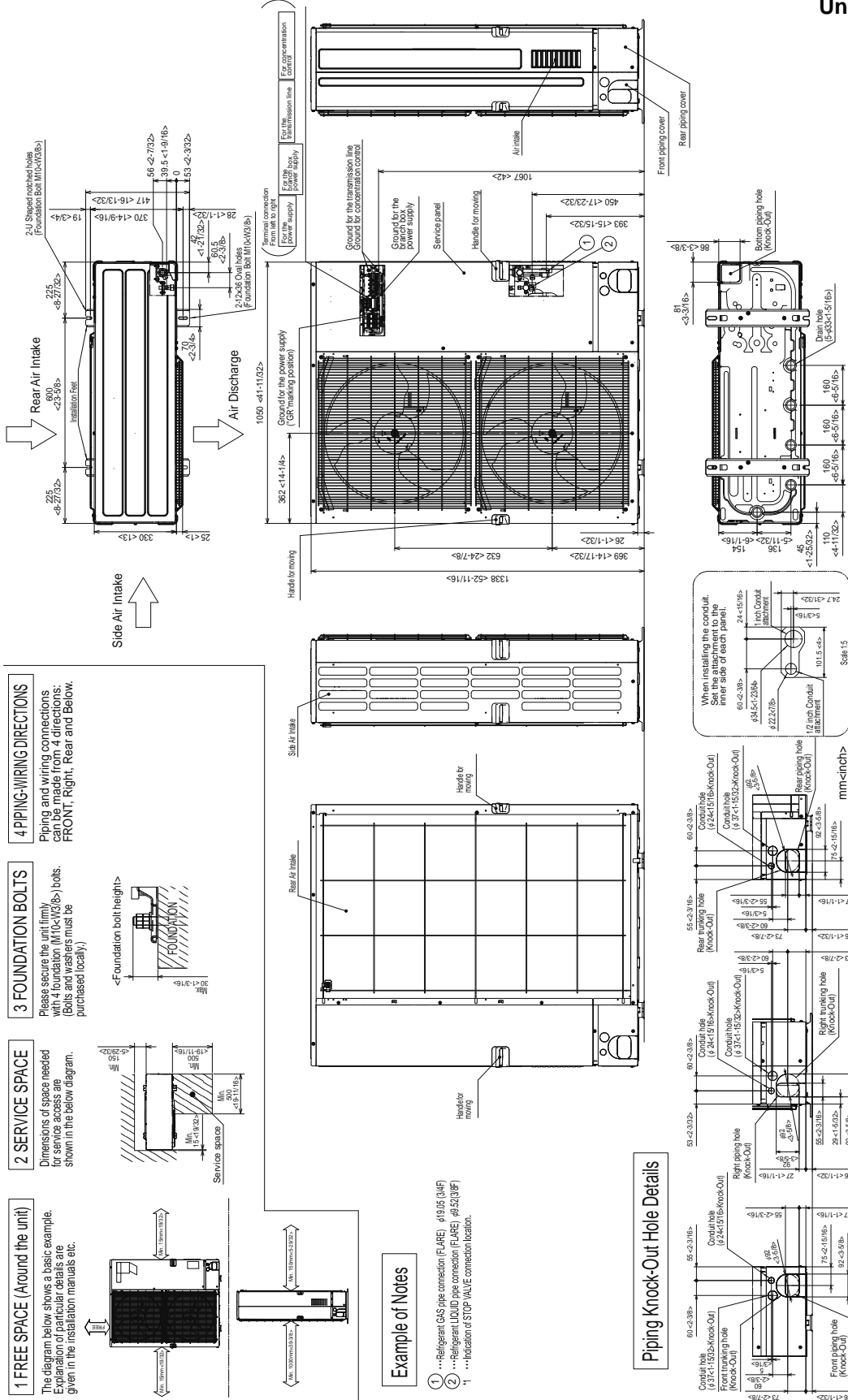
3 | OUTLINES AND DIMENSIONS

3-1. OUTDOOR UNIT

MXZ-8C48NA MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ

Unit: mm (inch)





4 PIPING-WIRING DIRECTIONS
Piping and wiring connections should be made from 4 directions: FRONT, Right, Rear and Below.

3 FOUNDATION BOLTS
Please secure the unit firmly. Foundation bolts (M10x13/8) bolts. (Bolt and washer must be purchased locally)

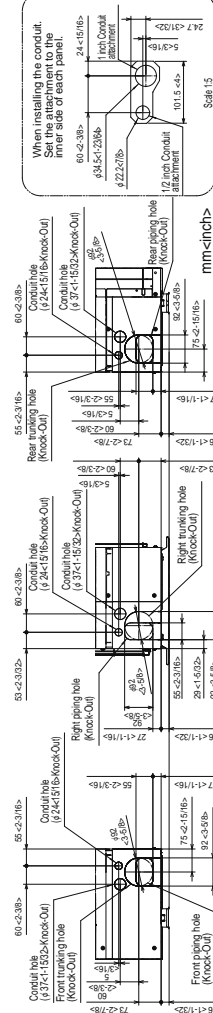
2 SERVICE SPACE
Dimensions of space needed for service access are shown in the below diagram.

1 FREE SPACE (Around the unit)
The diagram below shows a basic example. Explanation of particular details are given in the installation manuals etc.

Example of Notes

- ① ...Refrigerant GAS pipe connection (FLARE) φ19.05 (3/4F)
- ② ...Refrigerant LIQUID pipe connection (FLARE) φ6.32 (3/8F)
- ③ ...Indication of STOP VALVE connection location.

Piping Knock-Out Hole Details



3-2. BRANCH BOX PAC-MKA51BC

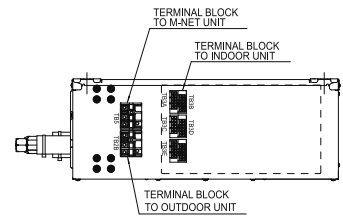
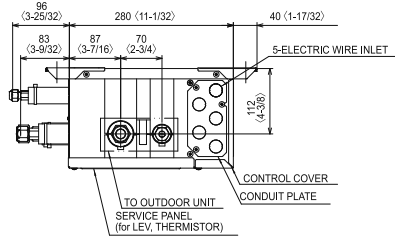
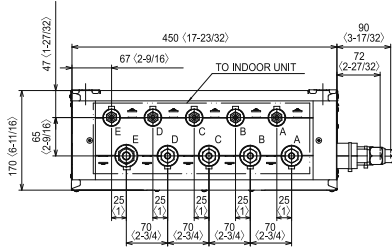
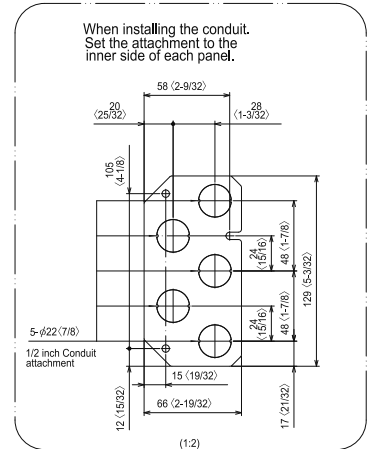
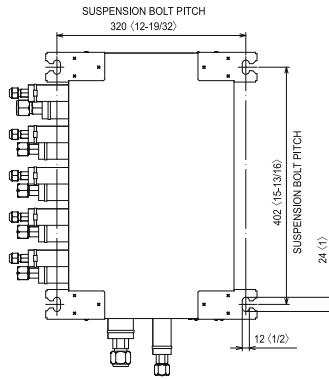
Unit: mm (inch)

SUSPENSION BOLT : W3/8(M10)

REFRIGERANT PIPE FLARED CONNECTION

Unit: inch

	A	B	C	D	E	TO OUTDOOR UNIT
LIQUID PIPE	1/4F	1/4F	1/4F	1/4F	1/4F	3/8F
GAS PIPE	3/8F	3/8F	3/8F	3/8F	1/2F	5/8F



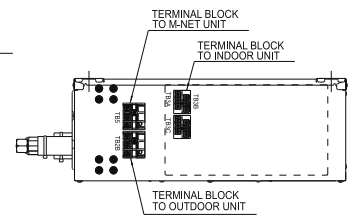
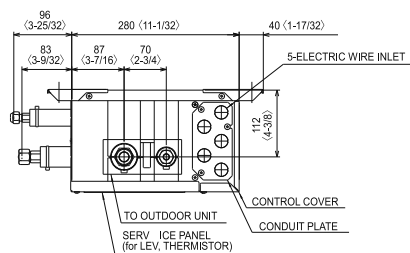
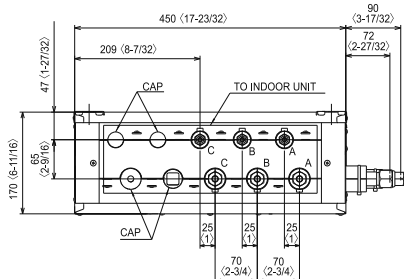
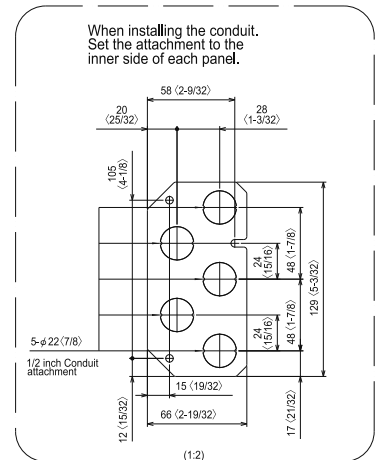
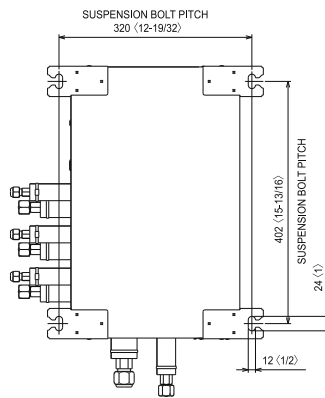
PAC-MKA31BC

SUSPENSION BOLT : W3/8(M10)

REFRIGERANT PIPE FLARED CONNECTION

Unit: inch

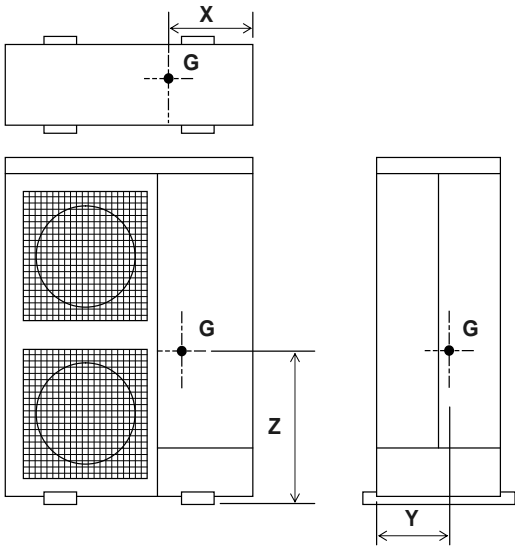
	A	B	C		TO OUTDOOR UNIT
LIQUID PIPE	1/4F	1/4F	1/4F		3/8F
GAS PIPE	3/8F	3/8F	3/8F		5/8F



4 | POSITION OF THE CENTER OF GRAVITY

4-1. OUTDOOR UNIT

Unit: inch (mm)

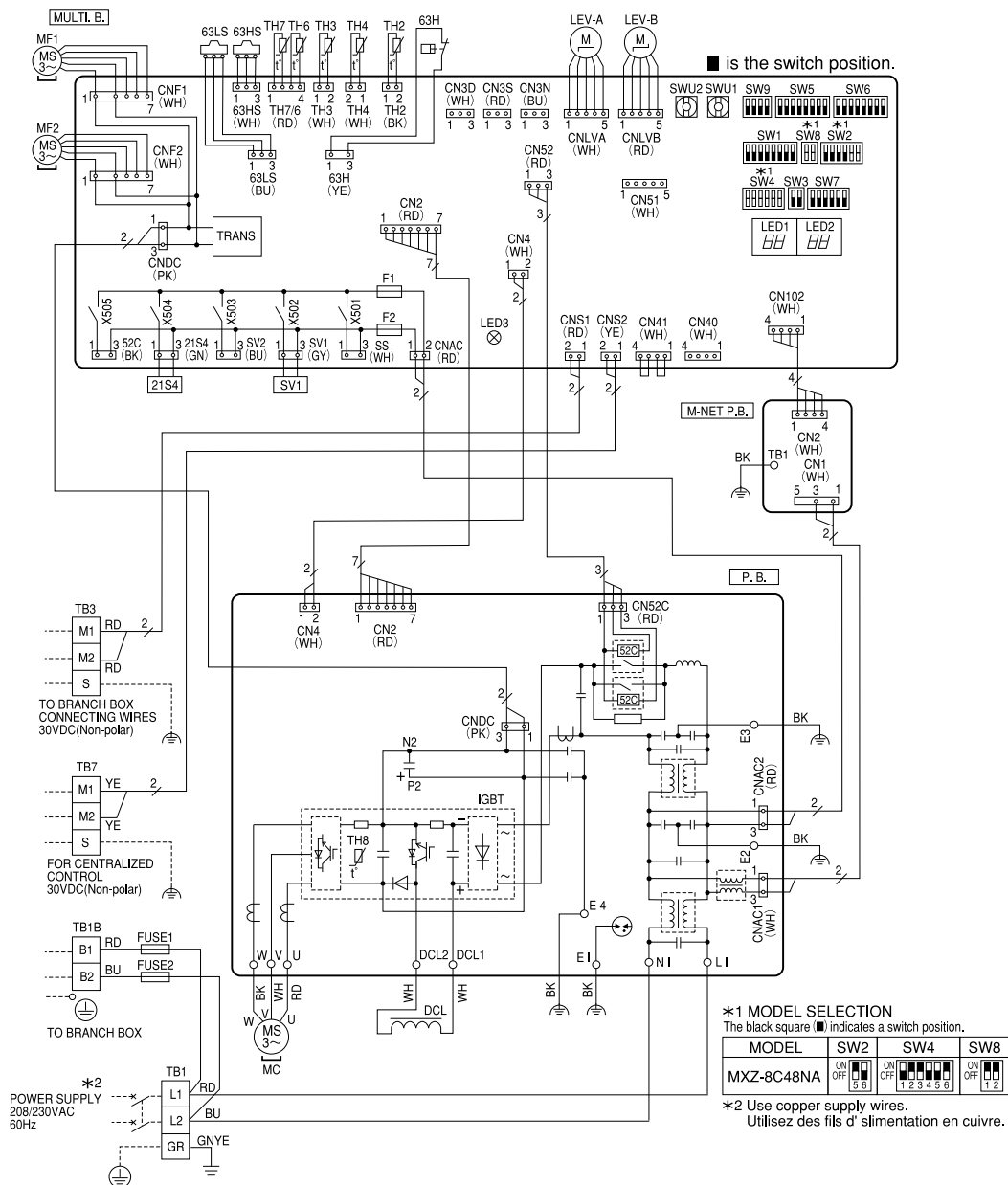


Model name	X	Y	Z
MXZ-8C48NA			
MXZ-4C36NAHZ	15	6-5/16	23-1/16
MXZ-5C42NAHZ	(380)	(160)	(586)
MXZ-8C48NAHZ			
MXZ-8C60NA	15-3/8	7-3/16	22-15/16
	(390)	(182)	(582)

5 | WIRING DIAGRAM

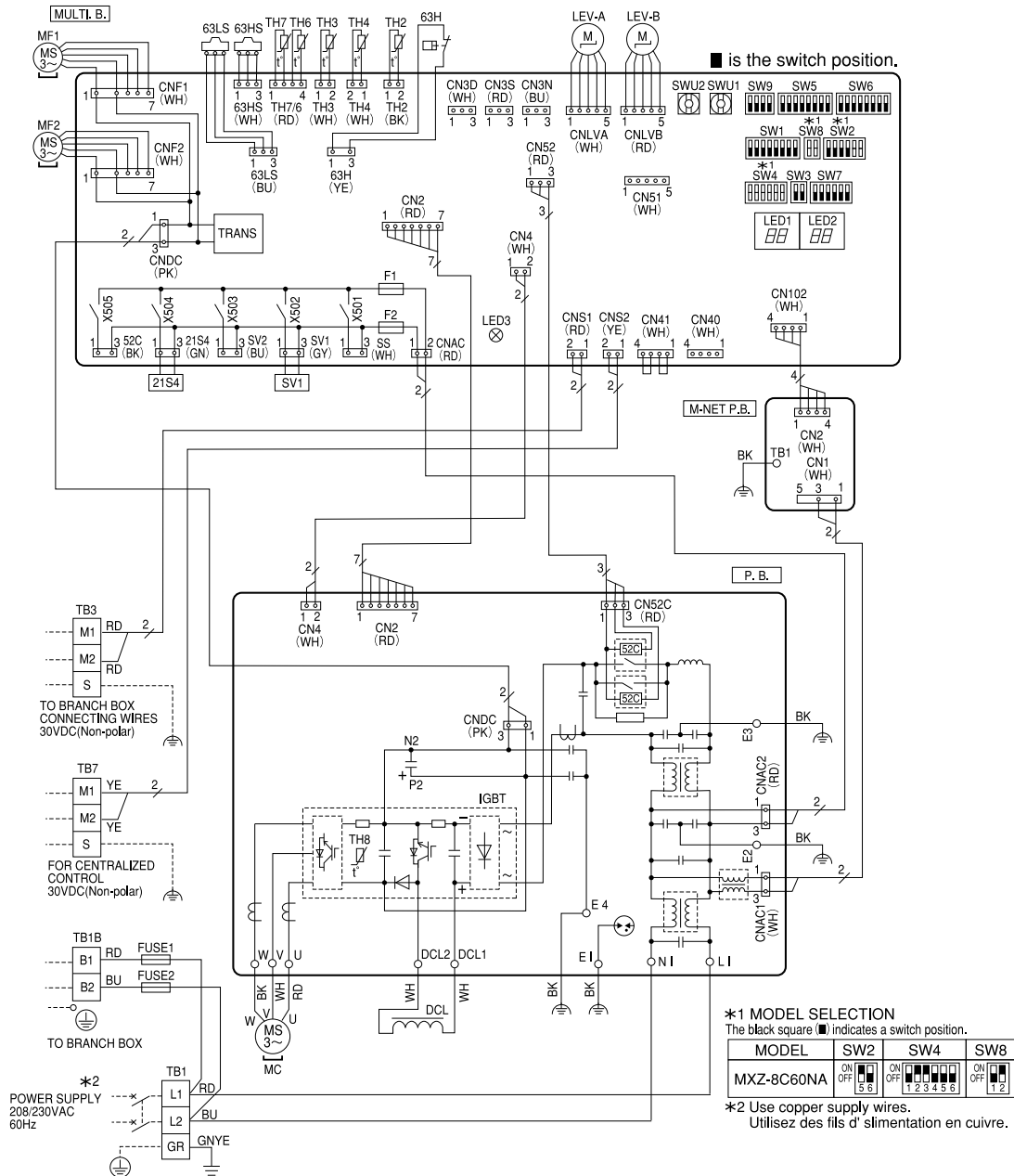
5-1. OUTDOOR UNIT MXZ-8C48NA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply)	TH8	Thermistor (Heat Sink)	SW9	Switch (Function Selection)
TB1B	Terminal Block (Branch Box)	LEV-A, LEV-B	Linear Expansion Valve	SWU1	Switch (Unit Address Selection, ones digit)
TB3	Terminal Block (Branch Box/Outdoor Transmission Line)	DCL	Reactor	SWU2	Switch (Unit Address Selection, tens digit)
TB7	Terminal Block (Centralized Control Transmission Line)	P.B.	Power Circuit Board	CNS1	Connector (Branch Box/Outdoor Transmission Line)
FUSE1, FUSE2	Fuse (T20AL250V)	U/V/W	Connection Terminal (U/V/W-Phase)	CNS2	Connector (Centralized Control Transmission Line)
MC	Motor For Compressor	LI	Connection Terminal (L-Phase)	SS	Connector (Connection For Option)
MF1, MF2	Fan Motor	NI	Connection Terminal (N-Phase)	CN3D	Connector (Connection For Option)
21S4	Solenoid Valve Coil (4-Way Valve)	DCL1, DCL2	Connection Terminal (Reactor)	CN3S	Connector (Connection For Option)
63H	High Pressure Switch	IGBT	Power Module	CN3N	Connector (Connection For Option)
63HS	High Pressure Sensor	E1, E2, E3, E4	Connection Terminal (Electrical Parts Box)	CN51	Connector (Connection For Option)
63LS	Low Pressure Sensor	MULTI.B.	Multi Controller Circuit Board	LED1, LED2	LED (Operation Inspection Display)
SV1	Solenoid Valve Coil (Bypass Valve)	SW1	Switch (Display Selection)	LED3	LED (Power Supply to Main Microcomputer)
TH2	Thermistor (Hic Pipe)	SW2	Switch (Function Selection)	F1, F2	Fuse (T6.3AL250V)
TH3	Thermistor (Outdoor Liquid Pipe)	SW3	Switch (Test Run)	X501~505	Relay
TH4	Thermistor (Compressor)	SW4	Switch (Model Selection)	M-NET P.B.	M-NET Power Circuit Board
TH6	Thermistor (Suction Pipe)	SW5	Switch (Function Selection)	TB1	Connection Terminal (Electrical Parts Box)
TH7	Thermistor (Ambient)	SW6	Switch (Function Selection)		
		SW7	Switch (Function Selection)		
		SW8	Switch (Model Selection)		



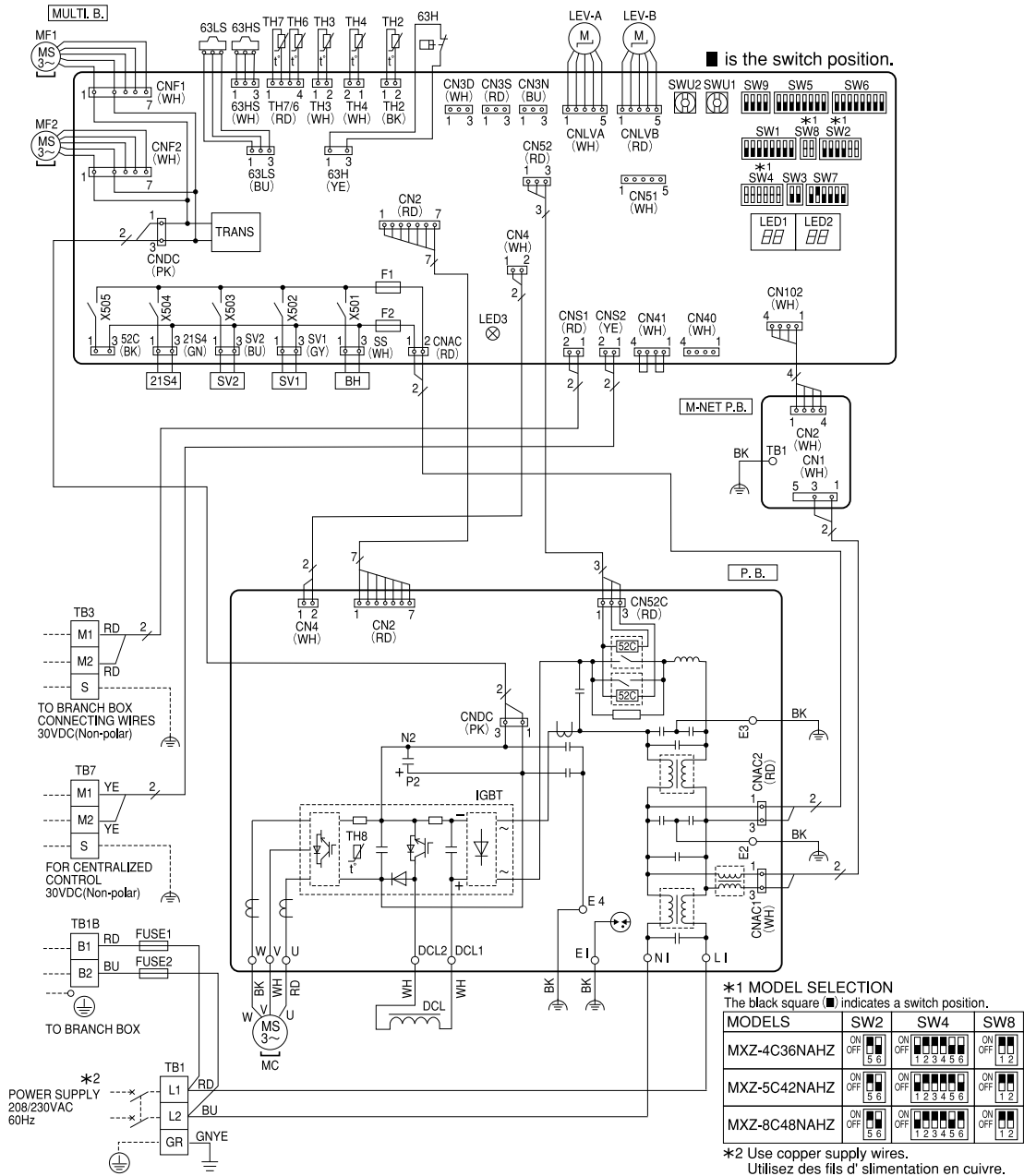
MXZ-8C60NA

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply)	TH8	Thermistor (Heat Sink)	SW9	Switch (Function Selection)
TB1B	Terminal Block (Branch Box)	LEV-A, LEV-B	Linear Expansion Valve	SWU1	Switch (Unit Address Selection, ones digit)
TB3	Terminal Block (Branch Box/Outdoor Transmission Line)	DCL	Reactor	SWU2	Switch (Unit Address Selection, tens digit)
TB7	Terminal Block (Centralized Control Transmission Line)	P.B.	Power Circuit Board	CNS1	Connector (Branch Box/Outdoor Transmission Line)
FUSE1, FUSE2	Fuse (T20AL250V)	U/V/W	Connection Terminal (U/V/W-Phase)	CNS2	Connector (Centralized Control Transmission Line)
MC	Motor For Compressor	LI	Connection Terminal (L-Phase)	SS	Connector (Connection For Option)
MF1, MF2	Fan Motor	NI	Connection Terminal (N-Phase)	CN3D	Connector (Connection For Option)
21S4	Solenoid Valve Coil (4-Way Valve)	DCL1, DCL2	Connection Terminal (Reactor)	CN3S	Connector (Connection For Option)
63H	High Pressure Switch	IGBT	Power Module	CN3N	Connector (Connection For Option)
63HS	High Pressure Sensor	E1, E2, E3, E4	Connection Terminal (Electrical Parts Box)	CN51	Connector (Connection For Option)
63LS	Low Pressure Sensor	MULTI.B.	Multi Controller Circuit Board	LED1, LED2	LED (Operation Inspection Display)
SV1	Solenoid Valve Coil (Bypass Valve)	SW1	Switch (Display Selection)	LED3	LED (Power Supply to Main Microcomputer)
TH2	Thermistor (Hic Pipe)	SW2	Switch (Function Selection)	F1, F2	Fuse (T6.3AL250V)
TH3	Thermistor (Outdoor Liquid Pipe)	SW3	Switch (Test Run)	X501~505	Relay
TH4	Thermistor (Compressor)	SW4	Switch (Model Selection)	M-NET P.B.	M-NET Power Circuit Board
TH6	Thermistor (Suction Pipe)	SW5	Switch (Function Selection)	TB1	Connection Terminal (Electrical Parts Box)
TH7	Thermistor (Ambient)	SW6	Switch (Function Selection)		
		SW7	Switch (Function Selection)		
		SW8	Switch (Model Selection)		



MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply)	TH7	Thermistor (Ambient)	SW9	Switch (Function Selection)
TB1B	Terminal Block (Branch Box)	TH8	Thermistor (Heat Sink)	SWU1	Switch (Unit Address Selection, ones digit)
TB3	Terminal Block (Branch Box/Outdoor Transmission Line)	LEV-A, LEV-B	Linear Expansion Valve	SWU2	Switch (Unit Address Selection, tens digit)
TB7	Terminal Block (Centralized Control Transmission Line)	DCL	Reactor	CNS1	Connector (Branch Box/Outdoor Transmission Line)
FUSE1, FUSE2	Fuse (T20AL250V)	P.B.	Power Circuit Board	CNS2	Connector (Centralized Control Transmission Line)
MC	Motor For Compressor	U/V/W	Connection Terminal (U/V/W-Phase)	SS	Connector (Connection For Option)
MF1, MF2	Fan Motor	LI	Connection Terminal (L-Phase)	CN3D	Connector (Connection For Option)
21S4	Solenoid Valve Coil (4-Way Valve)	NI	Connection Terminal (N-Phase)	CN3S	Connector (Connection For Option)
63H	High Pressure Switch	DCL1, DCL2	Connection Terminal (Reactor)	CN3N	Connector (Connection For Option)
63HS	High Pressure Sensor	IGBT	Power Module	CN51	Connector (Connection For Option)
63LS	Low Pressure Sensor	E1, E2, E3, E4	Connection Terminal (Electrical Parts Box)	LED1, LED2	LED (Operation Inspection Display)
SV1	Solenoid Valve Coil (Bypass Valve)	MULTI.B.	Multi Controller Circuit Board	LED3	LED (Power Supply to Main Microcomputer)
SV2	Solenoid Valve (Switching Valve)	SW1	Switch (Display Selection)	F1, F2	Fuse (T6.3AL250V)
BH	Base Heater	SW2	Switch (Function Selection)	X501~505	Relay
TH2	Thermistor (Hic Pipe)	SW3	Switch (Test Run)	M-NET P.B.	M-NET Power Circuit Board
TH3	Thermistor (Outdoor Liquid Pipe)	SW4	Switch (Model Selection)	TB1	Connection Terminal (Electrical Parts Box)
TH4	Thermistor (Compressor)	SW5	Switch (Function Selection)		
TH6	Thermistor (Suction Pipe)	SW6	Switch (Function Selection)		
		SW7	Switch (Function Selection)		
		SW8	Switch (Model Selection)		

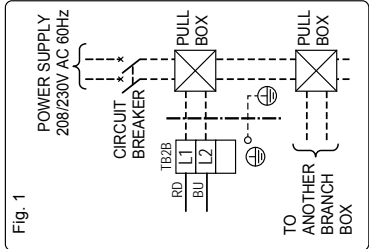
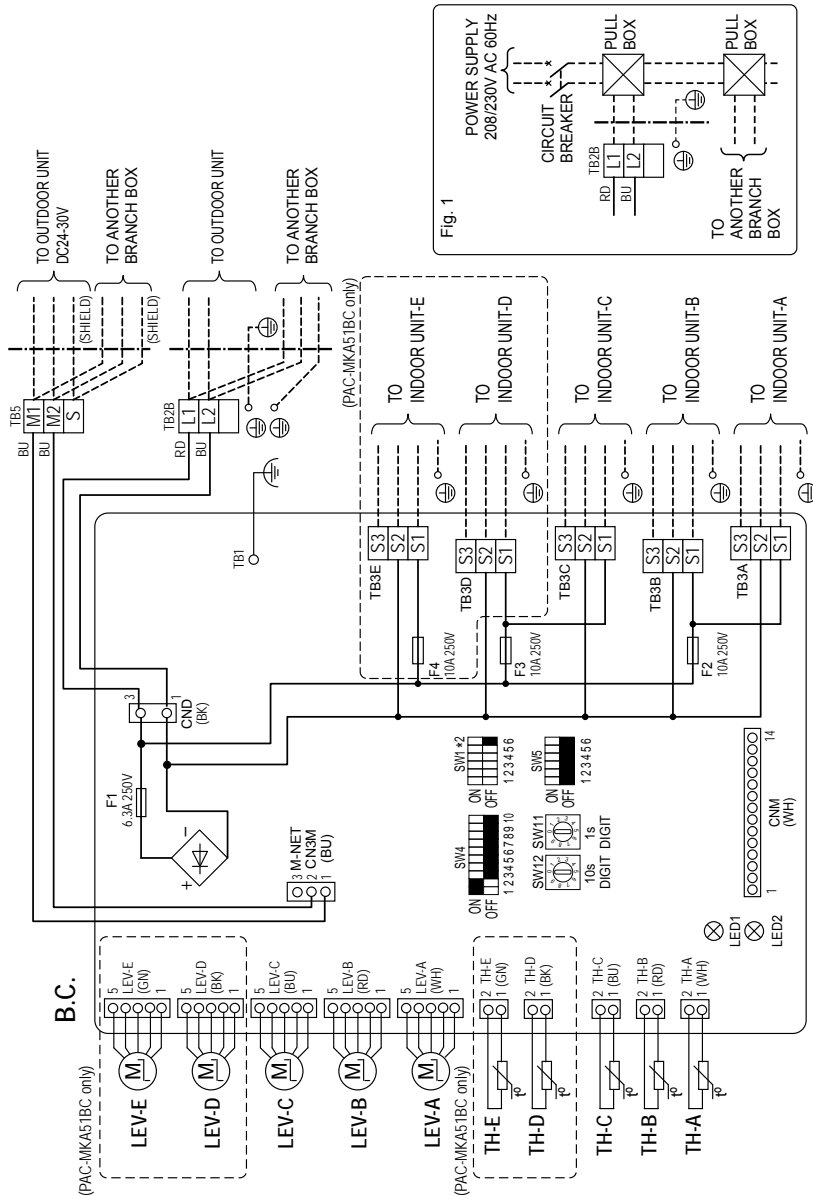


5-2. BRANCH BOX PAC-MKA51BC PAC-MKA31BC

- <Note>
- At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
 - Caution for electrical work.
 - Use copper supply wires.
 - When work to supply power separately to Branch box and outdoor units are applied, refer to Fig. 1.
 - For the connection method, please refer to the Branch box Installation Manual.

<Symbols used in wiring diagram>

□ : Terminal block, □ : Connector
 □ : Dip switch (black square) indicates a switch position



Mark	Meaning	Function
LED 1	Main power supply	Main power supply (208/230V) Power on → Lamps are lit
LED 2	Total number of indoor units	Lamp is lit Blink depend on the total number <example> The total number is 2 ① Blink 2 times. ② Turn off for 3 sec. ③ Repeat ① to ②.

SW1-1	INDOOR UNIT-A	OFF	ON
SW1-2	INDOOR UNIT-B	NOT CONNECT	CONNECT
SW1-3	INDOOR UNIT-C	NOT CONNECT	CONNECT
SW1-4	INDOOR UNIT-D	NOT CONNECT	CONNECT
SW1-5	INDOOR UNIT-E	NOT CONNECT	CONNECT
SW1-6	NO USE		

After each indoor unit is connected to the outdoor unit, turn on the switch corresponding to each indoor unit. For example, when the indoor units are connected to INDOOR UNIT-A and C, turn SW1-1 and SW1-3 to on.

*3 LED on Branch box controller board for service

SYMBOL	NAME
B.C.	Branch box controller board
F1	Fuse <UL 6.3A 250V AC>
F2-F4	Fuse <UL 10A 250V AC> *1
SW1	Switch for indoor unit connection *2
SW4	Switch for function selection
SW5	Switch for function selection
CNM	Connector <connection for service>
LED1,2	Light emitting diode *3
TB3A-E	Terminal block <to indoor unit-A-E> *4
SW11	Address Setting ones digit
SW12	Address Setting tens digit
LEVA-E	Linear expansion valve *4
TH-A-E	Thermistor <Gas pipe> *4
TB2B	Terminal block <to Power Supply>
TB5	Transmission line

*1 F4 for PAC-MKA51BC only
 *2 SW1 setting

<Combination of indoor units>
 Enter the location of combined indoor units with model name in each blank below because it is necessary for service and maintenance.

Indoor unit-A	Indoor unit-B	Indoor unit-C	Indoor unit-D	Indoor unit-E
---------------	---------------	---------------	---------------	---------------

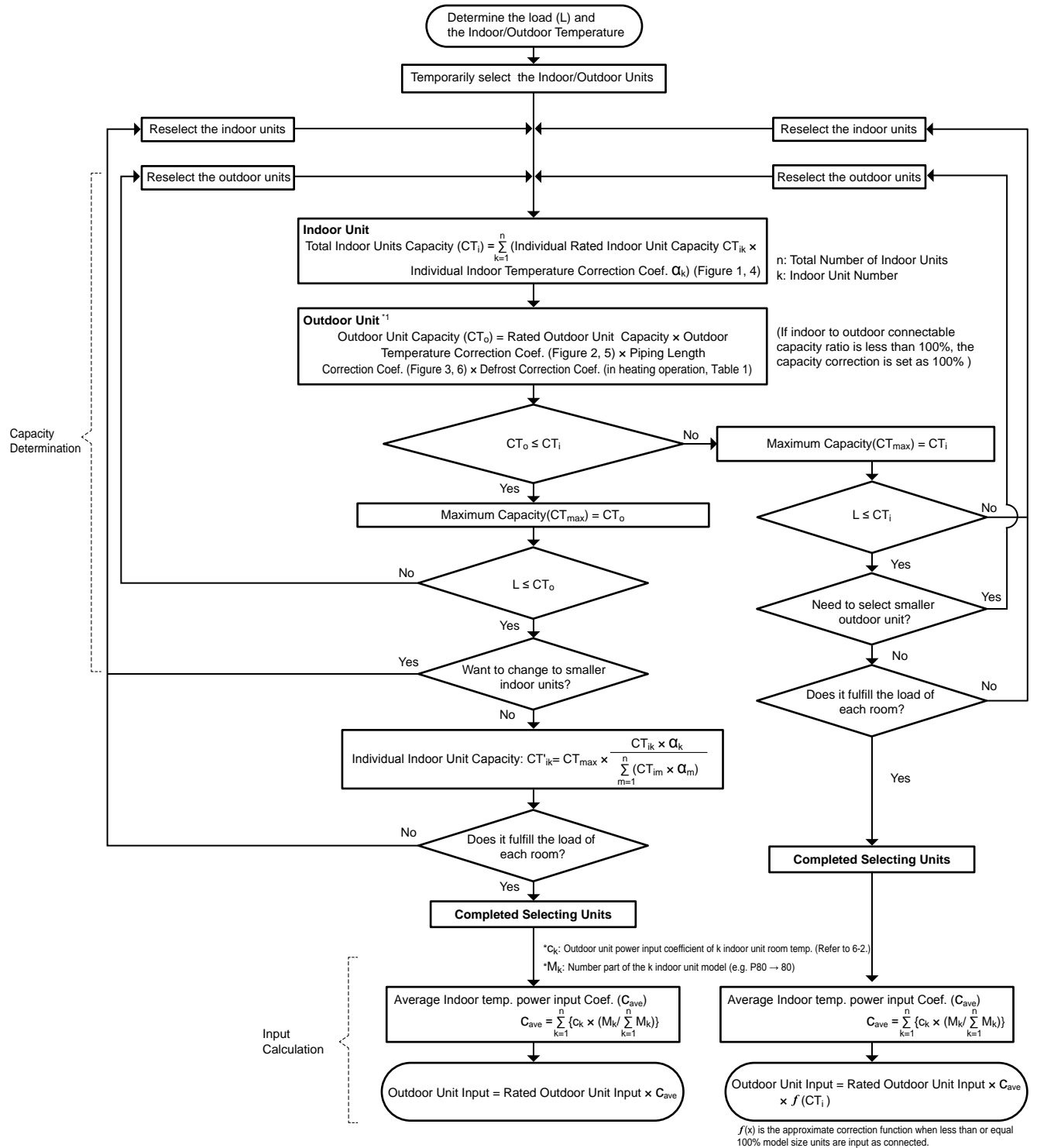
6-1. SELECTION OF COOLING/HEATING UNITS

MXZ-8C48NA MXZ-8C60NA

MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ MXZ-8C60NAHZ

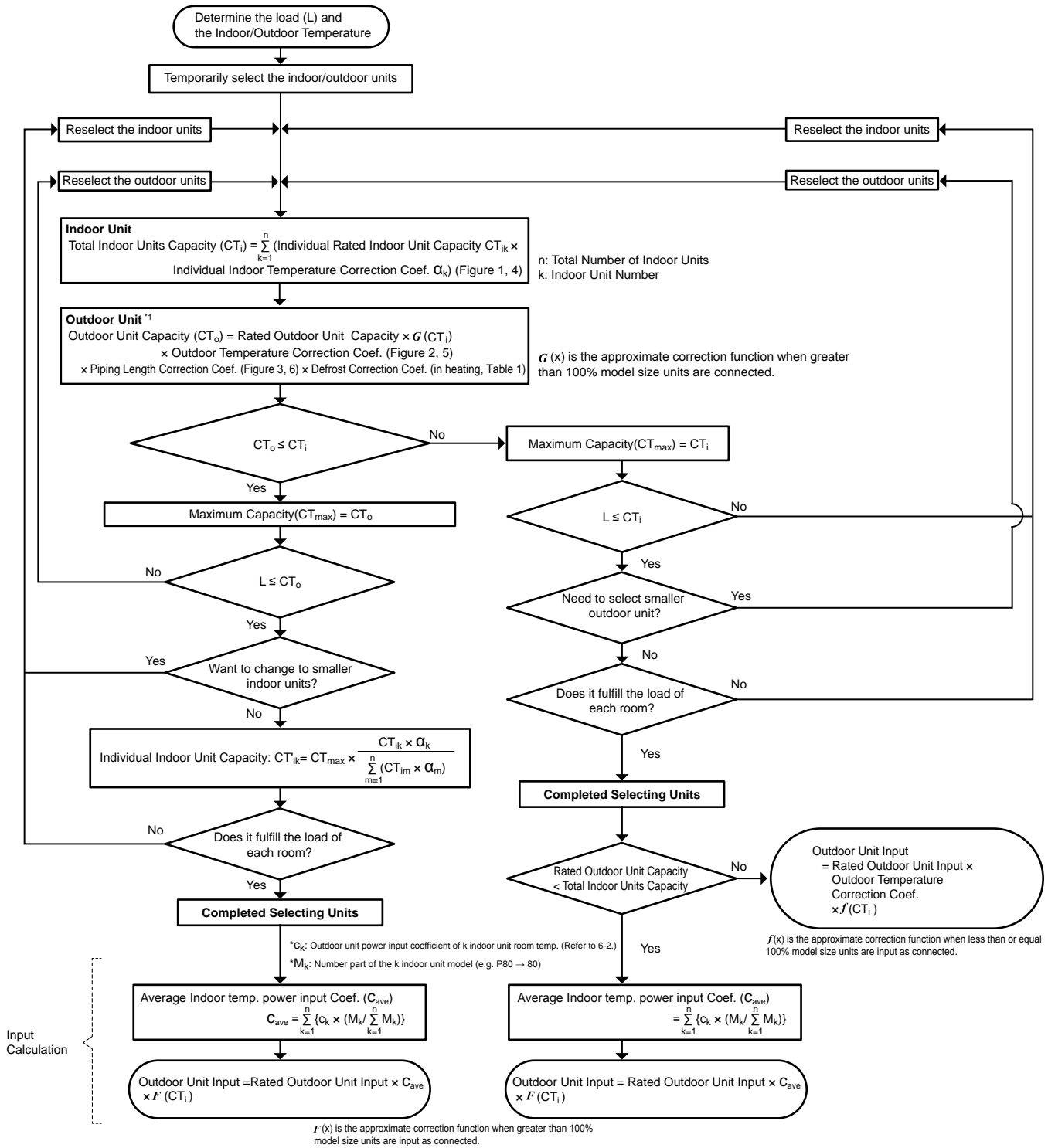
How to determine the capacity when less than or equal 100% indoor model size units are connected in total:

The purpose of this flow chart is to select the indoor and outdoor units. For other purposes, this flow chart is intended only for reference.



How to determine the capacity when greater than 100% indoor model size units are connected in total:

The purpose of this flow chart is to select the indoor and outdoor units. For other purposes, this flow chart is intended only for reference.



<Cooling>

Design Condition	
Outdoor Design Dry Bulb Temperature	98.6°F (37.0°C)
Total Cooling Load	29.6 kBTU/h
Room1	
Indoor Design Dry Bulb Temperature	80.6°F (27.0°C)
Indoor Design Wet Bulb Temperature	68.0°F (20.0°C)
Cooling Load	13.6 kBTU/h
Room2	
Indoor Design Dry Bulb Temperature	75.2°F (24.0°C)
Indoor Design Wet Bulb Temperature	66.2°F (19.0°C)
Cooling Load	16.0 kBTU/h
<Other>	
Indoor/Outdoor Equivalent Piping Length	250 ft

Capacity of indoor unit

	Model Number for indoor unit	Model 06	Model 09	Model 12	Model 15	Model 18	Model 24	Model 30	Model 36
M series	Model capacity [KBU/h]	6.0	9.0	12.0	14.0 ^{*1} 15.0 ^{*2}	17.0 ^{*3} 17.2 ^{*4}	22.5	-	-
P series		-	-	12.0	-	18.0	24.0	30.0	36.0
SEZ		-	8.1	11.5	14.1	17.2	-	-	-
SLZ		-	8.4	11.1	15.0	-	-	-	-
MVZ		-	-	12.0	-	18.0	24.0	30.0	36.0

- *1 For MSZ-GE/GL15NA
- *2 For the models other than *1 above
- *3 For MFZ-KA/KJ18NA
- *4 For the models other than *1 above

1. Cooling Calculation

(1) Temporary Selection of Indoor Units

- Room1
MSZ-FH15
- Room2
MSZ-FH18

15.0 kBTU/h (Rated)
17.2 kBTU/h (Rated)

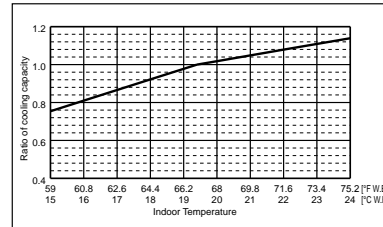


Figure 1 Indoor unit temperature correction
To be used to correct indoor unit only

(2) Total Indoor Units Capacity

15 + 18 = 33

(3) Selection of Outdoor Unit

The P36 outdoor unit is selected as total indoor units capacity is P33
MXZ-4C36

36.0 kBTU/h

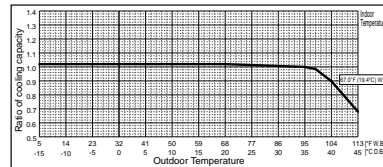


Figure 2 Outdoor unit temperature correction
To be used to correct outdoor unit only

(4) Total Indoor Units Capacity Correction Calculation

- Room1
Indoor Design Wet Bulb Temperature Correction (68.0°F) 1.02 (Refer to Figure 1)
- Room2
Indoor Design Wet Bulb Temperature Correction (66.2°F) 0.95 (Refer to Figure 1)

Total Indoor Units Capacity (CTi)

$$CTi = \sum (\text{Indoor Unit Rating} \times \text{Indoor Design Temperature Correction})$$

$$= 15.0 \times 1.02 + 17.2 \times 0.95$$

$$= 31.6 \text{ kBTU/h}$$

(5) Outdoor Unit Correction Calculation

- Outdoor Design Dry Bulb Temperature Correction (98.6°F) 0.98 (Refer to Figure 2)
- Piping Length Correction (250 ft) 0.93 (Refer to Figure 3)
- Total Outdoor Unit Capacity (CTo)
- CTo = Outdoor Rating × Outdoor Design Temperature Correction × Piping Length Correction
- = 36.0 × 0.98 × 0.93
- = 32.8 kBTU/h

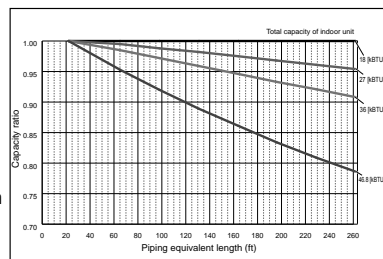


Figure 3 Correction of refrigerant piping length

(6) Determination of Maximum System Capacity

Comparison of Capacity between Total Indoor Units Capacity (CTi) and Total Outdoor Unit Capacity (CTo)

CTi = 31.6 < CTo = 32.8, thus, select CTi.

CTx = CTi = 31.6 kBTU/h

(7) Comparison with Essential Load

Against the essential load 29.6 kBTU/h, the maximum system capacity is 31.6 kBTU/h: Proper outdoor units have been selected.

(8) Calculation of Maximum Indoor Unit Capacity of Each Room

CTx = CTi, thus, calculate by the calculation below

Room1

$$\text{Indoor Unit Rating} \times \text{Indoor Design Temperature Correction}$$

$$= 15.0 \times 1.02$$

$$= 15.3 \text{ kBTU/h} \quad \text{OK: fulfills the load 13.6 kBTU/h}$$

Room2

$$\text{Indoor Unit Rating} \times \text{Indoor Design Temperature Correction}$$

$$= 17.2 \times 0.95$$

$$= 16.3 \text{ kBTU/h} \quad \text{OK: fulfills the load 16.0 kBTU/h}$$

Go on to the heating trial calculation since the selected units fulfill the cooling loads of Room 1, 2.

<Heating>

Design Condition	
Outdoor Design Wet Bulb Temperature	35.6°F (2.0°C)
Total Heating Load	34.4 kBTU/h
Room1	
Indoor Design Dry Bulb Temperature	69.8°F (21.0°C)
Heating Load	16.3 kBTU/h
Room2	
Indoor Design Dry Bulb Temperature	73.4°F (23.0°C)
Heating Load	18.1 kBTU/h
<Other> Indoor/Outdoor Equivalent Piping Length	230 ft

Capacity of indoor unit

	Model Number for indoor unit	Model 06	Model 09	Model 12	Model 15	Model 18	Model 24	Model 30	Model 36
M series	Model capacity [KBU/h]	6.0	10.9	13.6 ^{*1} 14.4 ^{*2} 13.0 ^{*3}	18	20.3 ^{*1} 21.6 ^{*2} 21.0 ^{*3}	27.6	-	-
P series		-	-	13.5	-	18.0	26.0	34.0	40.0
SEZ		-	10.9	13.6	18.0	17.2	-	-	-
SLZ		-	10.2	13.7	17.1	-	-	-	-
MVZ		-	-	12.0	-	18.0	27.0	34.0	40.0

*1 For MSZ-FH/FE12,18NA
 *2 For MSZ-GE/GL12,18NA
 *3 For the models other than *1 and *2 above

2. Heating Calculation

(1) Temporary Selection of Indoor Units

- Room1
MSZ-FH15 **18.0 kBTU/h (Rated)**
- Room2
MSZ-FH18 **20.3 kBTU/h (Rated)**

(2) Total Indoor Units Capacity

15 + 18 = 33

(3) Selection of Outdoor Unit

The P36 outdoor unit is selected as total indoor units capacity is P33
 MXZ-4C36 **45.0 kBTU/h**

(4) Total Indoor Units Capacity Correction Calculation

- Room1
Indoor Design Dry Bulb Temperature Correction (69.8°F) **1.00 (Refer to Figure 4)**
- Room2
Indoor Design Dry Bulb Temperature Correction (73.4°F) **0.92 (Refer to Figure 4)**

Total Indoor Units Capacity (CTi)

$$CT_i = \sum (\text{Indoor Unit Rating} \times \text{Indoor Design Temperature Correction})$$

$$= 18.0 \times 1.00 + 20.3 \times 0.92$$

$$= 36.7 \text{ kBTU/h}$$

(5) Outdoor Unit Correction Calculation

- Outdoor Design Wet Bulb Temperature Correction (35.6°F) **1.0 (Refer to Figure 5)**
- Piping Length Correction (230 ft) **0.96 (Refer to Figure 6)**
- Defrost Correction **0.89 (Refer to Table 1)**

Total Outdoor Unit Capacity (CTo)

$$CT_o = \text{Outdoor Unit Rating} \times \text{Outdoor Design Temperature Correction} \times \text{Piping Length Correction} \times \text{Defrost Correction}$$

$$= 45.0 \times 1.0 \times 0.96 \times 0.89$$

$$= 38.4 \text{ kBTU/h}$$

Table 1 Table of correction factor at frost and defrost

Outdoor Intake temperature <W.B.: °F (°C)>	43(6)	37(4)	36(2)	32(0)	28(-2)	25(-4)	21(-6)	18(-8)	14(-10)	5(-15)	-4(-20)	-13(-25)
Correction factor	1.0	0.98	0.89	0.88	0.89	0.9	0.95	0.95	0.95	0.95	0.95	0.95

(6) Determination of Maximum System Capacity

Comparison of Capacity between Total Indoor Units Capacity (CTi) and Total Outdoor Unit Capacity (CTo)

CTi = 36.7 < CTo = 38.4, thus, select CTi.

CTx = CTi = 36.7 kBTU/h

(7) Comparison with Essential Load

Against the essential load 34.4 kBTU/h, the maximum system capacity is 36.7 kBTU/h: Proper outdoor units have been selected.

(8) Calculation of Maximum Indoor Unit Capacity of Each Room

CTx = CTi, thus, calculate by the calculation below

Room1
 Maximum Capacity × Room1 Capacity after the Temperature Correction / (Room1,2 Total Capacity after the Temperature Correction)
 = 36.7 × (18.0 × 1.00) / (18.0 × 1.00 + 20.3 × 0.92)
 = 18.0 kBTU/h **OK: fulfills the load 16.3 kBTU/h**

Room2
 Maximum Capacity × Room2 Capacity after the Temperature Correction / (Room1,2 Total Capacity after the Temperature Correction)
 = 36.7 × (20.3 × 0.92) / (18.0 × 1.00 + 20.3 × 0.92)
 = 18.7 kBTU/h **OK: fulfills the load 18.1 kBTU/h**

Completed selecting units since the selected units fulfill the heating loads of Room 1, 2.

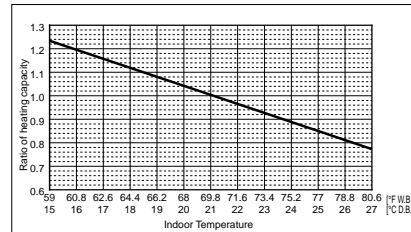


Figure 4 Indoor unit temperature correction
 To be used to correct indoor unit only

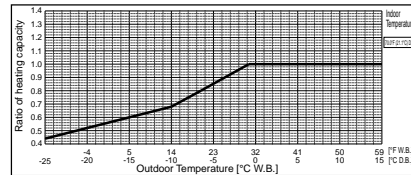


Figure 5 Outdoor unit temperature correction
 To be used to correct outdoor unit only

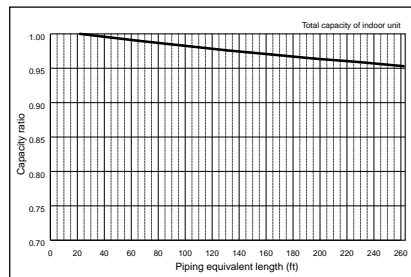


Figure 6 Correction of refrigerant piping length

3. Power input of outdoor unit

Outdoor unit : MXZ-4C36
Indoor unit 1 : MSZ-FH15
Indoor unit 2 : MSZ-FH18

<Cooling>

(1) Rated power input of outdoor unit **2.57 kW**

(2) Calculation of the average indoor temperature power input coefficient

Coefficient of the outdoor unit for indoor unit 1 (Outdoor temp. 98.6°F [37.0°C] D.B., Indoor temp. 68.0°F [20.0°C] W.B.)
1.04 (Refer to "6-2. CORRECTING BY TEMPERATURE".)

Coefficient of the outdoor unit for indoor unit 2 (Outdoor temp. 98.6°F [37.0°C] D.B., Indoor temp. 64.4°F [18.0°C] W.B.)
0.85 (Refer to "6-2. CORRECTING BY TEMPERATURE".)

$$\text{Average indoor temp. power input coefficient } (C_{ave}) = \sum_{k=1}^n \{C_k \times (M_k / \sum_{k=1}^n M_k)\}$$

n: Total number of the indoor units
k: Number of the indoor unit
C_k: Outdoor unit power input coefficient of k indoor unit room temp.
M_k: Number part of the k indoor unit model (e.g. P80 → 80)

$$= 1.04 \times 15 / (15 + 18) + 0.85 \times 18 / (15 + 18) \\ = 0.94$$

(3) Coefficient of the partial load f (CTi)

Total Indoor units capacity
15 + 18 = 33, thus, f (CTi) = 0.9 (Refer to the tables in "9. STANDARD CAPACITY DIAGRAM".)

(4) Outdoor power input (Plo)

Maximum System Capacity (CTx) = Total Outdoor unit Capacity (CTo), so use the following formula
Plo = Outdoor unit Cooling Rated Power Input × Correction Coefficient of Indoor temperature × f (CTi)
= 2.57 × 0.94 × 0.9
= 2.2 kW

<Heating>

(1) Rated power input of outdoor unit **3.34 kW**

(2) Calculation of the average indoor temperature power input coefficient

Coefficient of the outdoor unit for indoor unit 1 (Outdoor temp. 26.6°F [-3°C] W.B., Indoor temp. 68.0°F [20°C] D.B.)
1.34 (Refer to "6-2. CORRECTING BY TEMPERATURE".)

Coefficient of the outdoor unit for indoor unit 2 (Outdoor temp. 26.6°F [-3°C] W.B., Indoor temp. 77.0°F [25°C] D.B.)
1.09 (Refer to "6-2. CORRECTING BY TEMPERATURE".)

$$\text{Average indoor temp. power input coefficient } (C_{ave}) = \sum_{k=1}^n \{C_k \times (M_k / \sum_{k=1}^n M_k)\}$$

n: Total number of the indoor units
k: Number of the indoor unit
C_k: Outdoor unit power input coefficient of k indoor unit room temp.
M_k: Number part of the k indoor unit model (e.g. P80 → 80)

$$= 1.34 \times 15 / (15 + 18) + 1.09 \times 18 / (15 + 18) \\ = 1.20$$

(3) Coefficient of the partial load f (CTi)

Total indoor units capacity
15 + 18 = 33, thus, f (CTi) = 0.9 (Refer to the tables in "6-4. STANDARD CAPACITY TEMPERATURE".)

(4) Outdoor power input (Plo)

Maximum System Capacity (CTx) = Total Indoor unit Capacity (CTi), so use the following formula
Plo = Outdoor unit Heating Rated Power Input × Correction Coefficient of Indoor temperature × f (CTi)
= 3.34 × 1.20 × 0.9
= 3.61 kW

6-2. CORRECTING BY TEMPERATURE

MXZ-4C36/5C42/8C48NA(HZ), 8C60NA could have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

<Cooling>

		MXZ	
		8C48	8C60
Nominal cooling capacity	BTU/h	48,000	60,000
Input	kW	4.00	4.80

		MXZ	
		4C36	5C42
Nominal cooling capacity	BTU/h	36,000	48,000
Input	kW	2.57	3.13

Figure 7 Indoor unit temperature correction

To be used to correct indoor unit capacity only

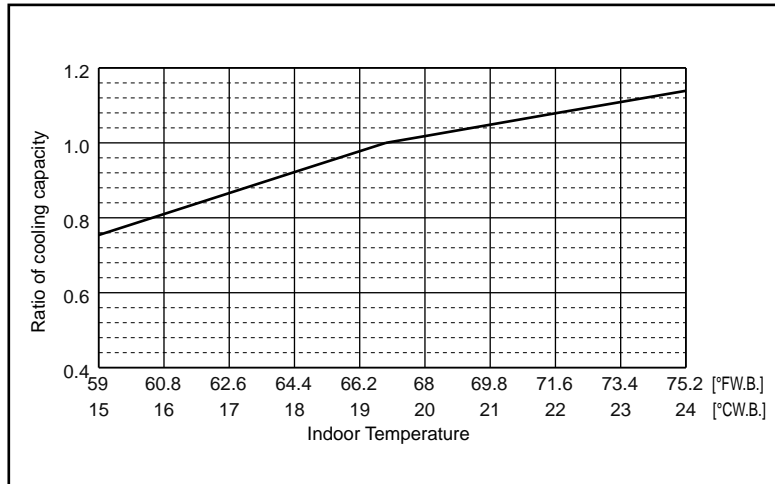
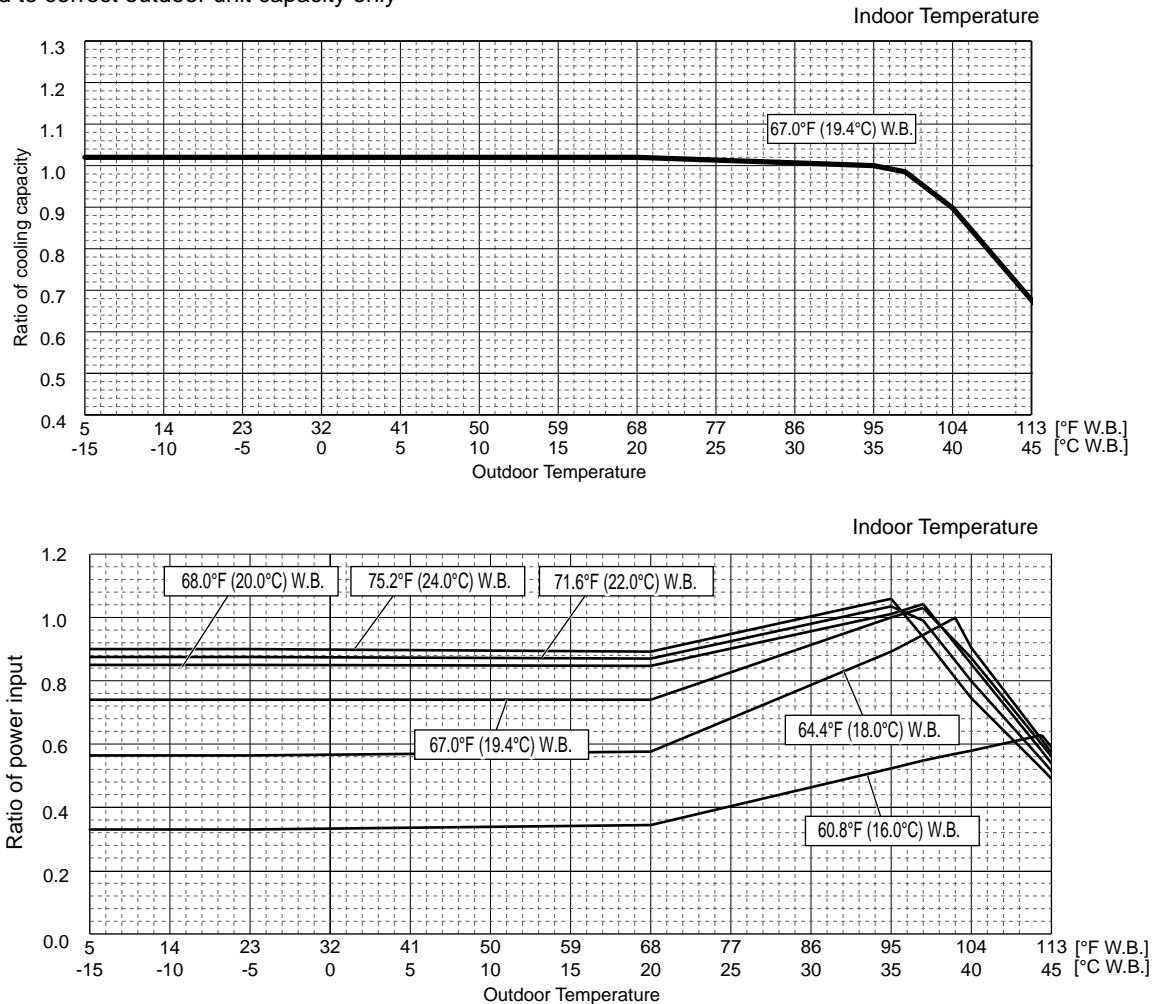


Figure 8 Outdoor unit temperature correction

To be used to correct outdoor unit capacity only



<Heating>

		MXZ	
		8C48NA	8C60NA
Nominal heating capacity	BTU/h	54,000	66,000
Input	kW	4.22	5.67

Figure 9 Indoor unit temperature correction
To be used to correct indoor unit capacity only

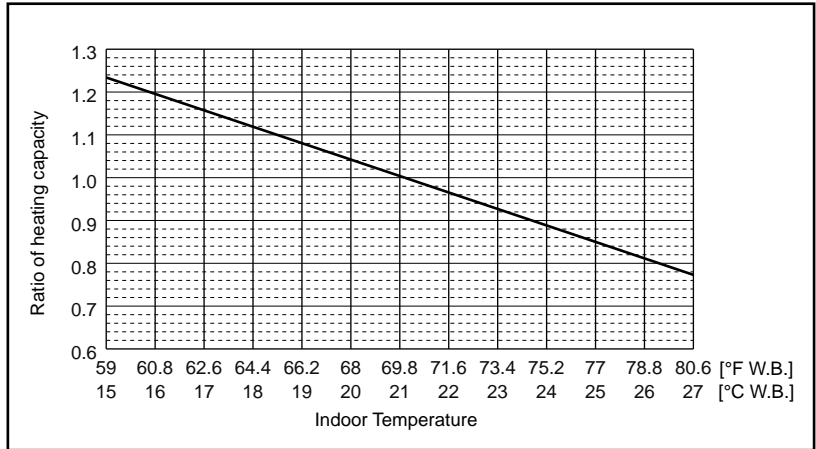
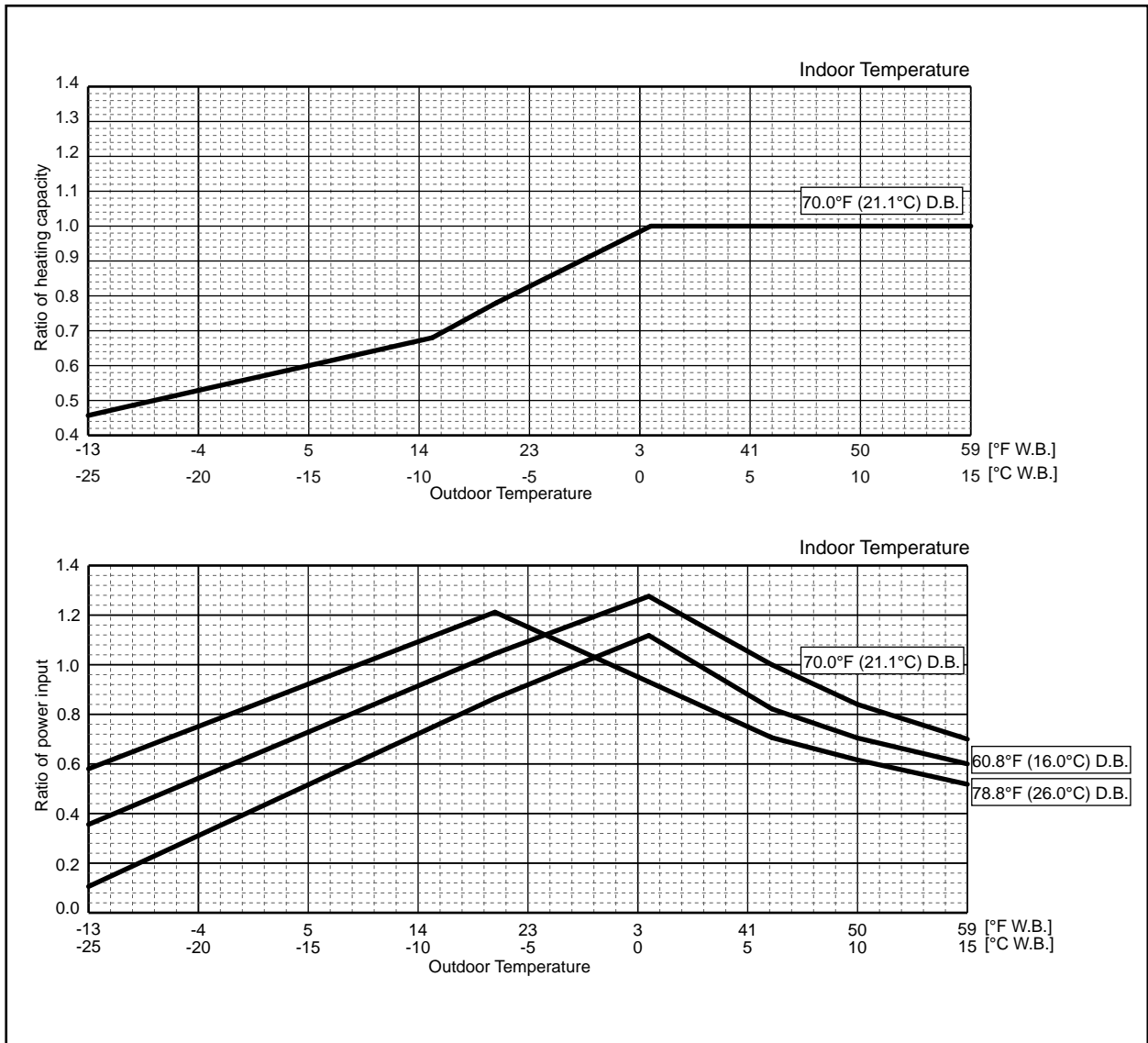


Figure 10 Outdoor unit temperature correction
To be used to correct outdoor unit capacity only



<Heating> (NAHZ)

Figure 11 Indoor unit temperature correction
To be used to correct indoor unit capacity only

		MXZ		
		4C36NAHZ	5C42NAHZ	8C48NAHZ
Nominal heating capacity	BTU/h	45,000	48,000	54,000
Input	kW	3.34	3.43	4.22

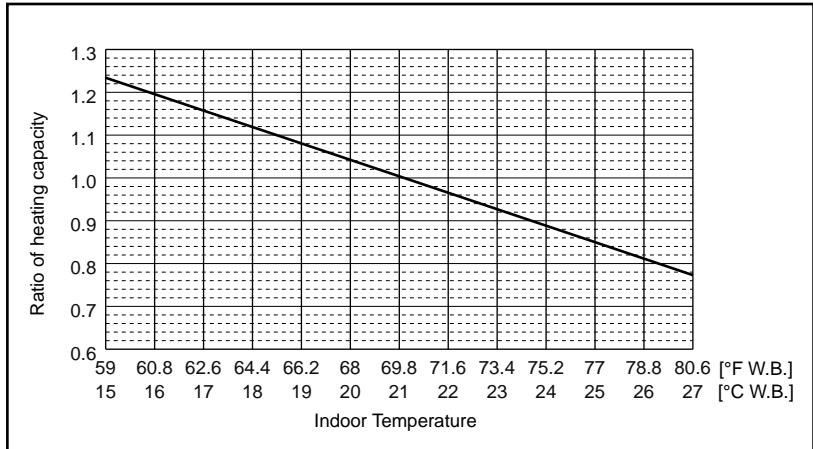
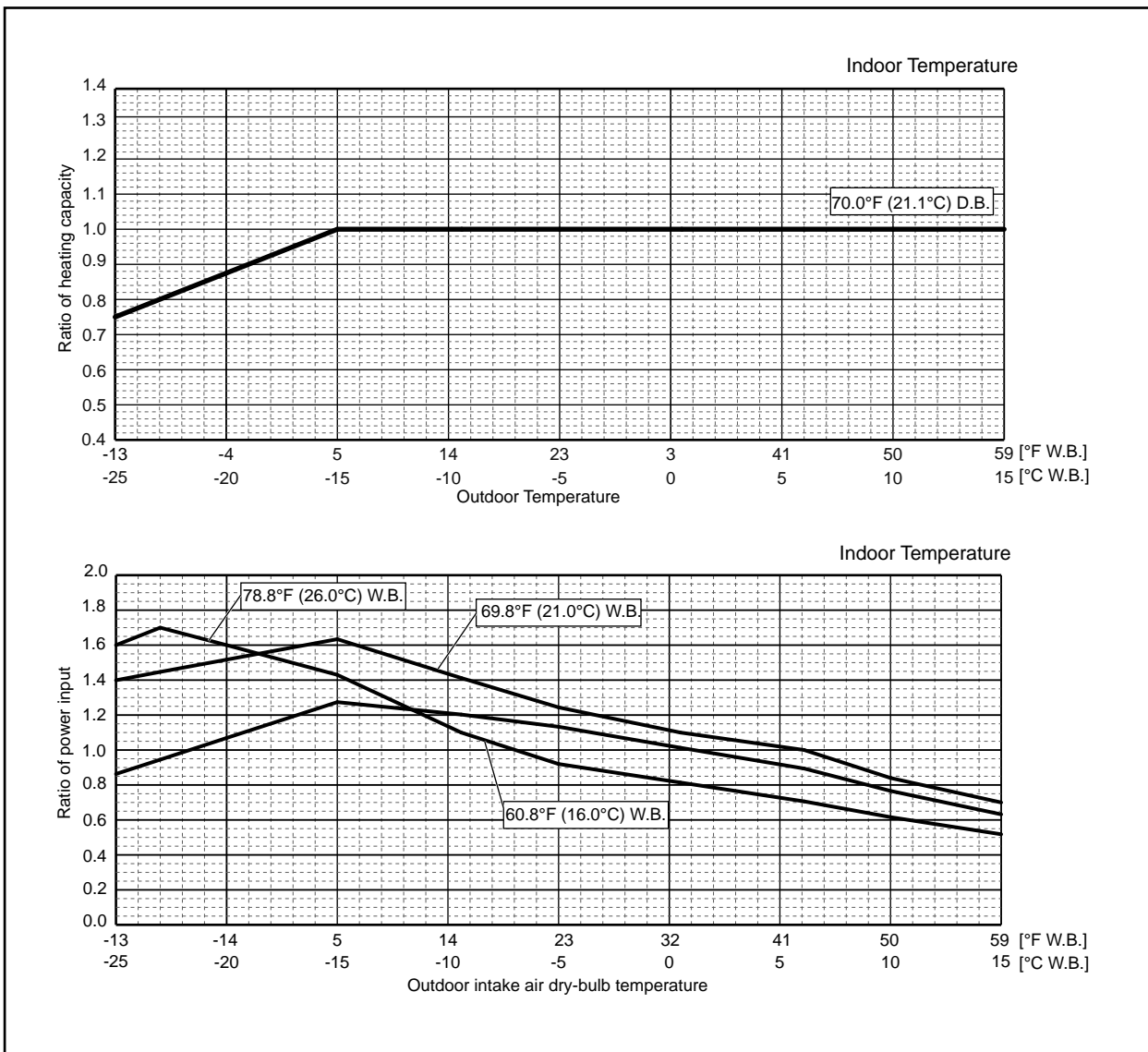


Figure 12 Outdoor unit temperature correction
To be used to correct outdoor unit capacity only



6-3. STANDARD OPERATION DATA (REFERENCE DATA)

Operation				Outdoor unit model			
				MXZ-8C48NA/NAHZ		MXZ-8C60NA	
Operating conditions	Ambient temperature	Indoor	DB/WB	80°F/67°F	70°F/60°F	80°F/67°F	70°F/60°F
		Outdoor		95°F/75°F	47°F/43°F	95°F/75°F	47°F/43°F
	Indoor unit	No. of connected units	Unit	4		5	
		No. of units in operation		4		5	
		Model		—		12 × 4	
	Piping	Main pipe	m	9.84 (3)		9.84 (3)	
		Branch pipe		14.76 (4.5)		14.76 (4.5)	
		Total pipe length		68.90 (21)		83.79 (25.5)	
	Fan speed	—		Hi		Hi	
	Amount of refrigerant	lb oz (kg)		17 lb 7 oz (7.9)		20 lb (8.9)	
Outdoor unit	Electric current	A	22.1	21.9	20.4	24.4	
	Voltage	V	230		230		
	Compressor frequency	Hz	86	91	45	51	
LEV opening	Indoor unit	Pulse	112	132	187	229	
Pressure	High pressure/Low pressure		MPa	2.83/0.77	2.82/0.55	2.84/0.92	2.44/0.672
			PSI	410/112	409/80	412/134	354/97.5
Temp. of each section	Outdoor unit	Discharge	°F [°C]	157.6 [69.8]	149.2 [65.1]	167 [75.0]	133.9 [56.6]
		Heat exchanger outlet		105.6 [40.9]	34.3 [1.3]	98.8 [37.1]	51.1 [10.2]
		Accumulator inlet		47.1 [8.4]	33.4 [0.8]	49.5 [9.7]	32.4 [0.2]
		Compressor inlet		42.4 [5.8]	30.6 [-0.8]	72.5 [22.5]	31.6 [-0.2]
	Indoor unit	LEV inlet		71.1 [21.7]	98.8 [37.1]	59.7 [15.4]	81.9 [27.7]
		Heat exchanger inlet		47.5 [8.6]	134.6 [57.0]	52.5 [11.4]	104.2 [40.1]

Operation				Outdoor unit model			
				MXZ-4C36NAHZ		MXZ-5C42NAHZ	
Operating conditions	Ambient temperature	Indoor	DB/WB	80°F/67°F	70°F/60°F	80°F/67°F	70°F/60°F
		Outdoor		95°F/75°F	47°F/43°F	95°F/75°F	47°F/43°F
	Indoor unit	No. of connected units	Unit	4		4	
		No. of units in operation		4		4	
		Model		—		09 × 4	
	Piping	Main pipe	m	9.84 (3)		9.84 (3)	
		Branch pipe		14.76 (4.5)		14.76 (4.5)	
		Total pipe length		68.90 (21)		68.90 (21)	
	Fan speed	—		Hi		Hi	
	Amount of refrigerant	lb oz (kg)		17 lb 7 oz (7.9)		17 lb 7 oz (7.9)	
Outdoor unit	Electric current	A	14.1	18.7	17.2	19.1	
	Voltage	V	230		230		
	Compressor frequency	Hz	59	74	70	80	
LEV opening	Indoor unit	Pulse	112	128	129	128	
Pressure	High pressure/Low pressure		MPa	2.57/0.98	2.78/0.64	2.72/0.80	2.80/0.56
			PSI	373/142	403/93	395/116	406/81
Temp. of each section	Outdoor unit	Discharge	°F [°C]	143.8 [62.1]	151.5 [66.4]	148.6 [64.8]	145.8 [63.2]
		Heat exchanger outlet		100.8 [38.2]	36.7 [2.6]	101.8 [38.8]	35.6 [2.0]
		Accumulator inlet		50.5 [10.3]	36.1 [2.3]	49.5 [9.7]	34.9 [1.6]
		Compressor inlet		47.1 [8.4]	34.0 [1.1]	45.3 [7.4]	32.7 [0.4]
	Indoor unit	LEV inlet		70.0 [21.1]	103.5 [39.7]	83.7 [28.7]	100.2 [37.9]
		Heat exchanger inlet		54.1 [12.3]	138.9 [59.4]	49.6 [9.8]	132.3 [55.7]

6-4. CORRECTING CAPACITY FOR CHANGES IN THE LENGTH OF REFRIGERANT PIPING

- (1) During cooling, obtain the ratio (and the equivalent piping length) of the outdoor units rated capacity and the total in-use indoor capacity, and find the capacity ratio corresponding to the standard piping length from Figure 13 to 16. Then multiply by the cooling capacity from Figure 7 and 8 in "6-2. CORRECTION BY TEMPERATURE" to obtain the actual capacity.
- (2) During heating, find the equivalent piping length, and find the capacity ratio corresponding to standard piping length from Figure 17 to 18. Then multiply by the heating capacity from Figure 9 to 12 in "6-2. CORRECTION BY TEMPERATURE" to obtain the actual capacity.

(1) Capacity Correction Curve

Figure 13 MXZ-8C48NA <Cooling>

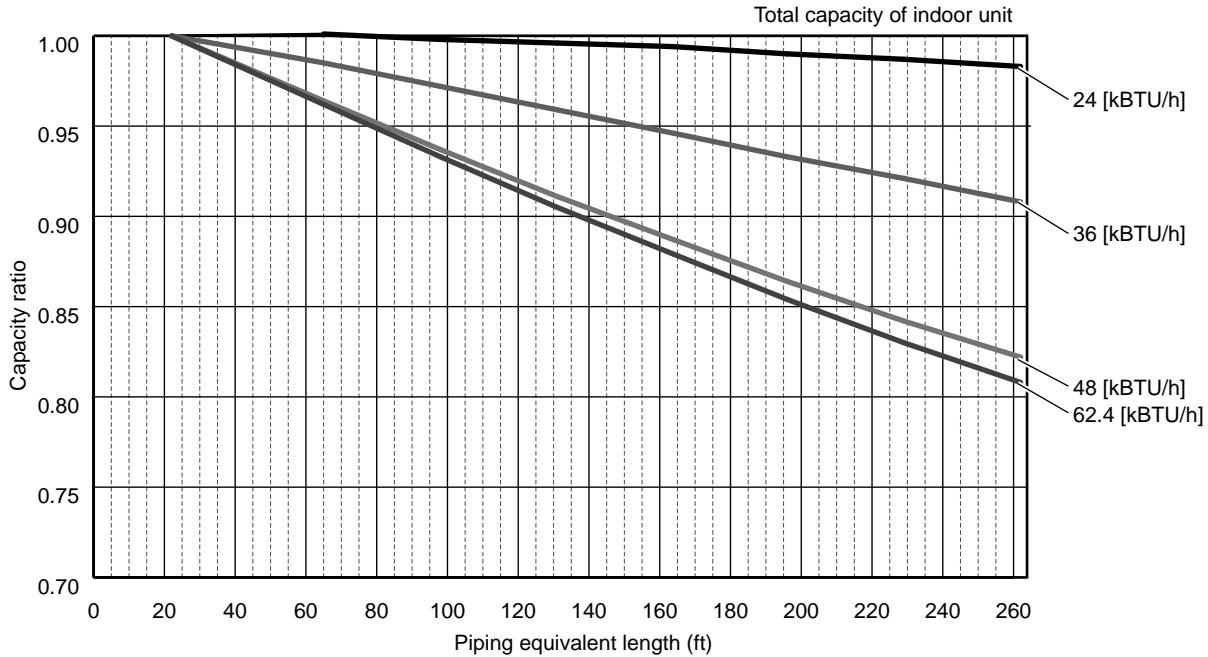


Figure 14 MXZ-8C60NA <Cooling>

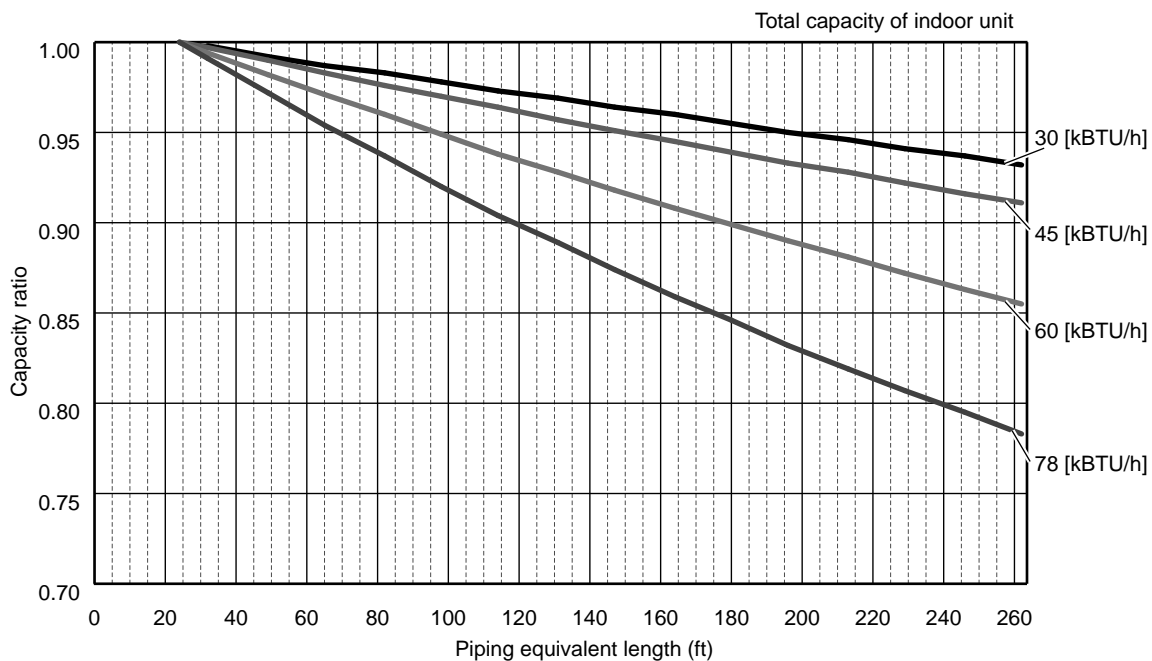


Figure 15 MXZ-4C36NAHZ <Cooling>

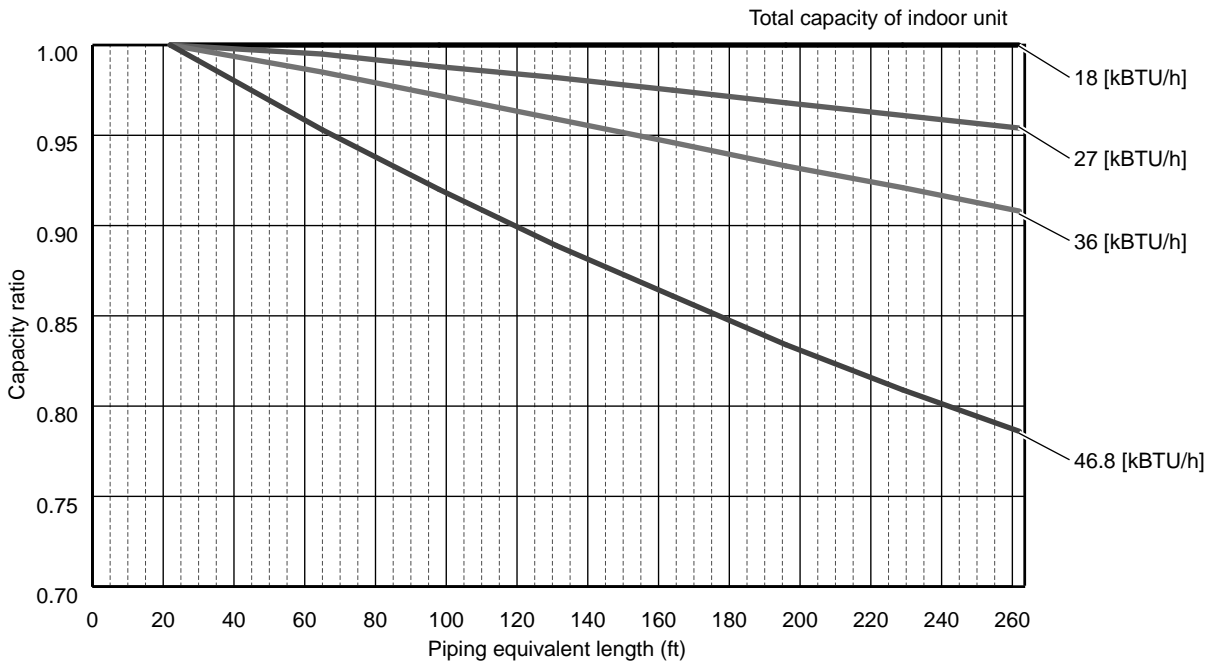


Figure 16 MXZ-5C42NAHZ <Cooling>

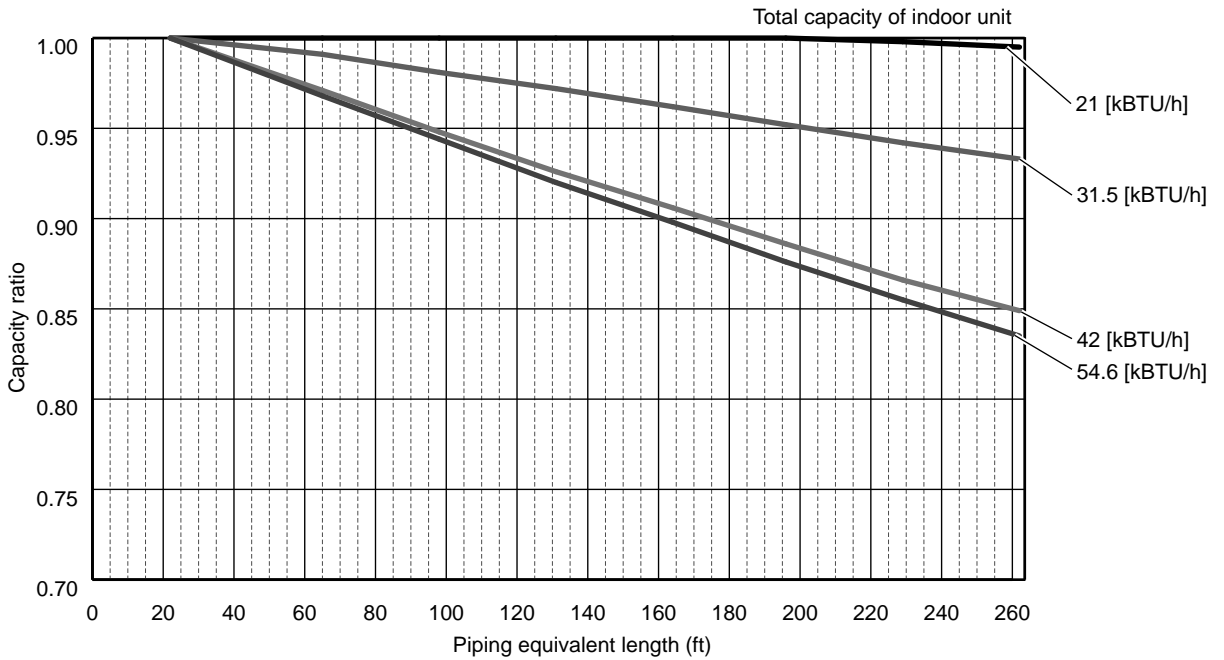


Figure 17 MXZ-4C36NAHZ/5C42NAHZ/8C48NA <Heating>

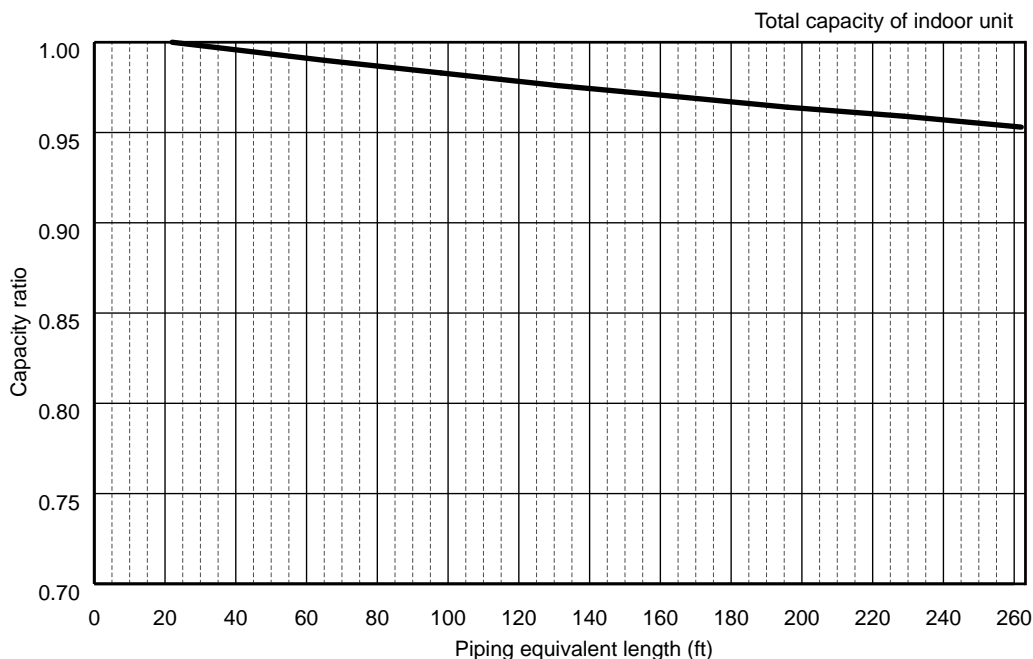
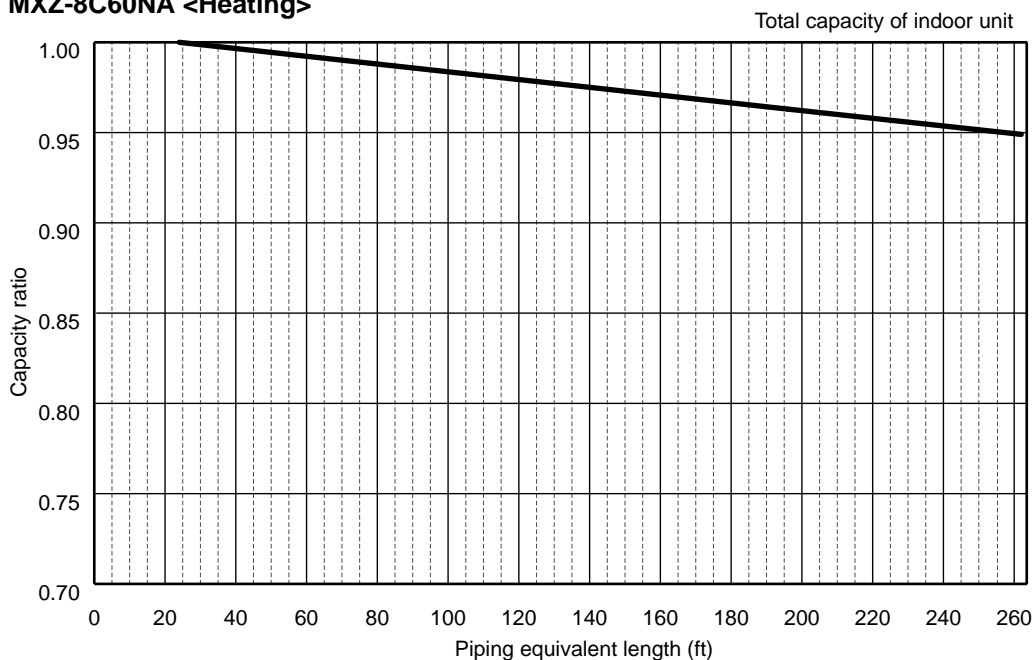


Figure 18 MXZ-8C60NA <Heating>



(2) Method for Obtaining the Equivalent Piping Length

Equivalent length for type P60 = (length of piping to farthest indoor unit) + (0.3 x number of bends in the piping) (m)

Length of piping to farthest indoor unit: type P60.....80 m

6-4-1. Correction of Heating Capacity for Frost and Defrosting

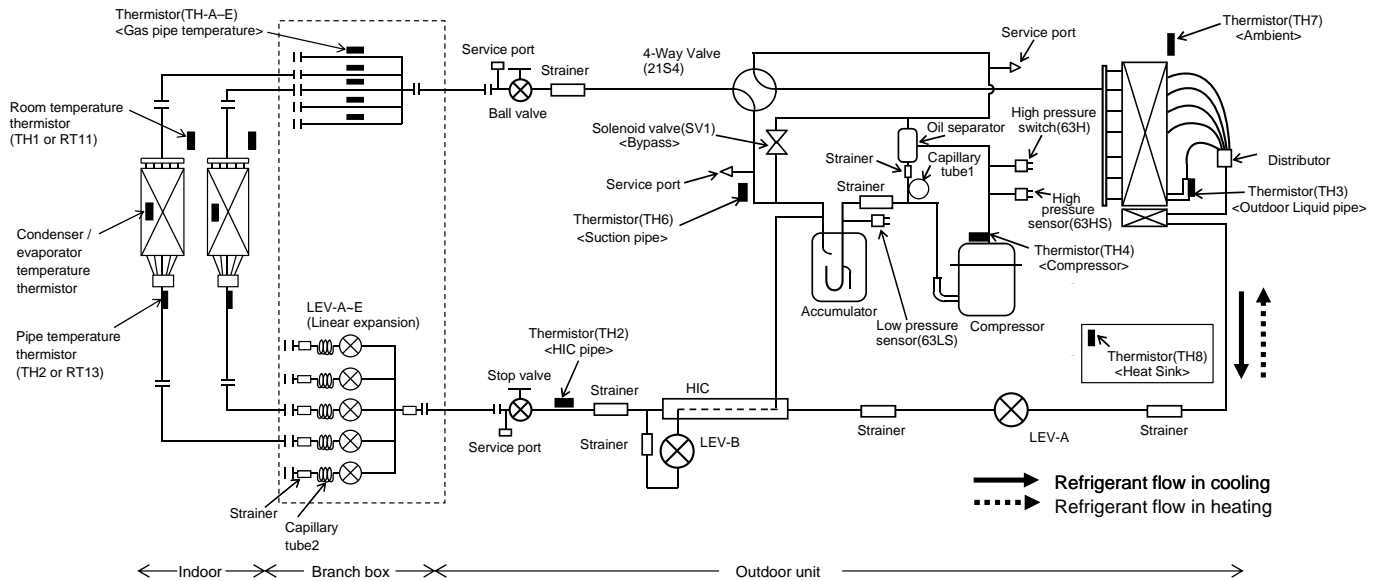
If heating capacity has been reduced due to frost formation or defrosting, multiply the capacity by the appropriate correction factor from the following table to obtain the actual heating capacity.

Correction factor diagram

Outdoor Intake temperature <W.B. °F (°C)>	43(6)	39(4)	36(2)	32(0)	28(-2)	25(-4)	21(-6)	18(-8)	14(-10)	5(-15)	-4(-20)	-13(-25)
Correction factor	1.0	0.98	0.89	0.88	0.89	0.9	0.95	0.95	0.95	0.95	0.95	0.95

7 | NECESSARY CONDITIONS FOR SYSTEM CONSTRUCTION

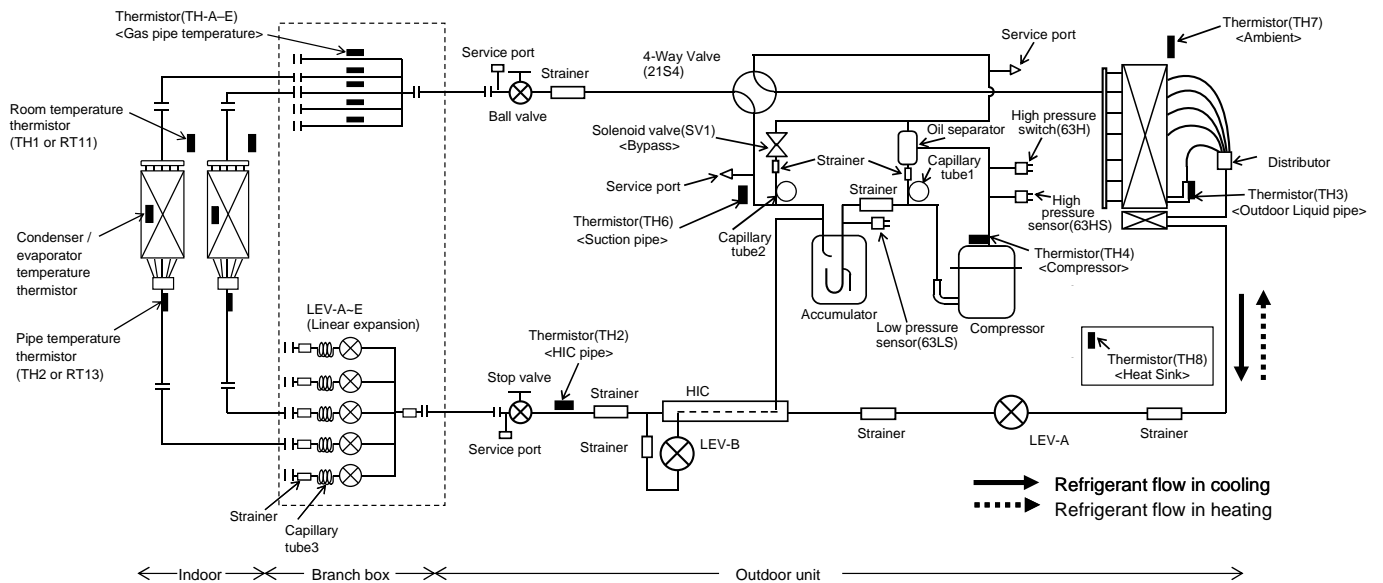
REFRIGERANT SYSTEM DIAGRAM MXZ-8C48NA



Unit: inch (mm)

		Capillary tube 1 (For return of oil from oil separator)	Capillary tube 2 behind LEV (in cooling mode)
Outdoor unit	MXZ-8C48NA	$\phi 0.098 \times \phi 0.031 \times L(39-1/2)$ ($\phi 2.5 \times \phi 0.8 \times L1000$)	
Branch box	PAC-MKA51BC	—	$(\phi 0.157 \times \phi 0.117 \times L(5-1/8)) \times 5$ ($(\phi 4 \times \phi 3.0 \times L130) \times 5$)
	PAC-MKA31BC	—	$(\phi 0.157 \times \phi 0.117 \times L(5-1/8)) \times 3$ ($(\phi 4 \times \phi 3.0 \times L130) \times 3$)

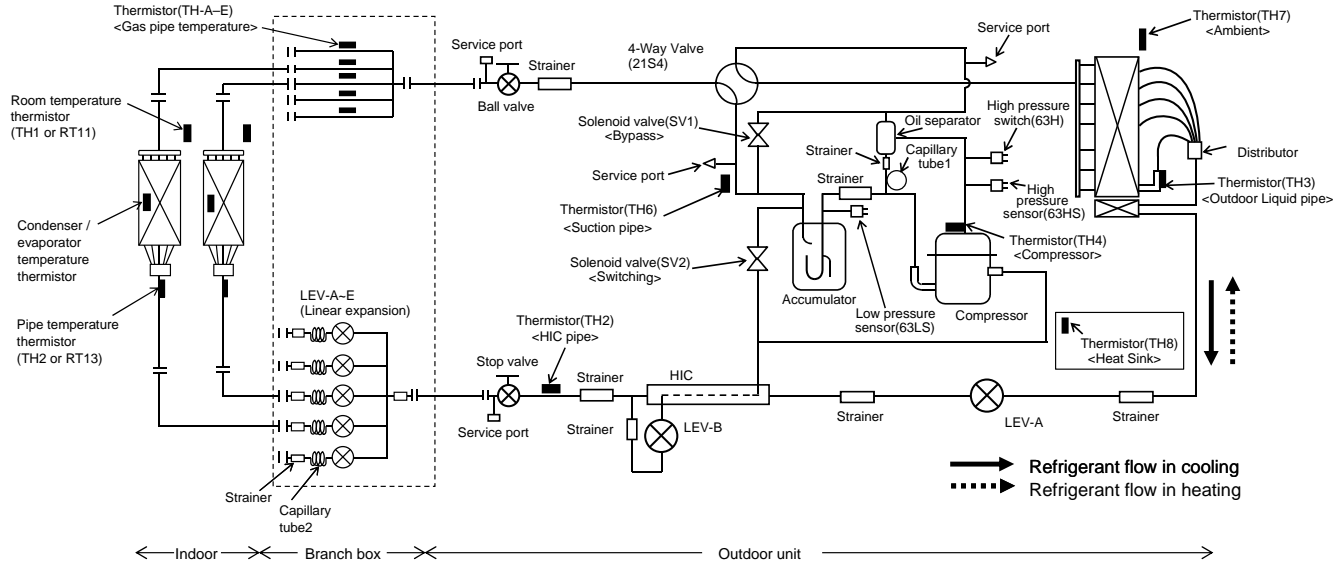
MXZ-8C60NA



Unit: inch (mm)

		Capillary tube 1 (For return of oil from oil separator)	Capillary tube 2 (For solenoid valve (SV1))	Capillary tube 3 behind LEV (in cooling mode)
Outdoor unit	MXZ-8C60NA	$\phi 0.098 \times \phi 0.031 \times L(39-1/2)$ ($\phi 2.5 \times \phi 0.8 \times L800$)	$\phi 4.0 \times \phi 3.0 \times L500$	
Branch box	PAC-MKA51BC	—	—	$(\phi 0.157 \times \phi 0.117 \times L(5-1/8)) \times 5$ ($(\phi 4 \times \phi 3.0 \times L130) \times 5$)
	PAC-MKA31BC	—	—	$(\phi 0.157 \times \phi 0.117 \times L(5-1/8)) \times 3$ ($(\phi 4 \times \phi 3.0 \times L130) \times 3$)

MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ



← Indoor → Branch box → Outdoor unit →

Unit: inch (mm)

		Capillary tube 1 (For return of oil from oil separator)	Capillary tube 2 behind LEV (in cooling mode)
Outdoor unit	MXZ-4C36NAHZ	$\phi 0.098 \times \phi 0.031 \times L(39-1/2)$ $(\phi 2.5 \times \phi 0.8 \times L1000)$	
	MXZ-5C42NAHZ MXZ-8C48NAHZ		
Branch box	PAC-MKA51BC	—	$(\phi 0.157 \times \phi 0.117 \times L(5-1/8)) \times 5$ $((\phi 4 \times \phi 3.0 \times L130) \times 5)$
	PAC-MKA31BC	—	$(\phi 0.157 \times \phi 0.117 \times L(5-1/8)) \times 3$ $((\phi 4 \times \phi 3.0 \times L130) \times 3)$

MXZ-8C48NA MXZ-8C60NA

Operating Range

		Indoor intake air temp.		Outdoor intake air temp.
		M series	S, P series	
Cooling	Maximum	90 °FDB, 73 °FWB	95 °FDB, 71 °FWB	115 °FDB
	Minimum	67 °FDB, 57 °FWB	67 °FDB, 57 °FWB	23 °FDB
Heating	Maximum	80 °FDB, 67 °FWB	80 °FDB, 67 °FWB	70 °FDB, 59 °FWB
	Minimum	70 °FDB, 60 °FWB	70 °FDB, 60 °FWB	-4 °FWB

MXZ-4C36NAHZ MXZ-5C42NAHZ MXZ-8C48NAHZ

Operating Range

		Indoor intake air temp.		Outdoor intake air temp.
		M series	S, P series	
Cooling	Maximum	90 °FDB, 73 °FWB	95 °FDB, 71 °FWB	115 °FDB
	Minimum	67 °FDB, 57 °FWB	67 °FDB, 57 °FWB	23 °FDB
Heating	Maximum	80 °FDB, 67 °FWB	80 °FDB, 67 °FWB	70 °FDB, 59 °FWB
	Minimum	70 °FDB, 60 °FWB	70 °FDB, 60 °FWB	-13 °FWB

Installing the refrigerant piping

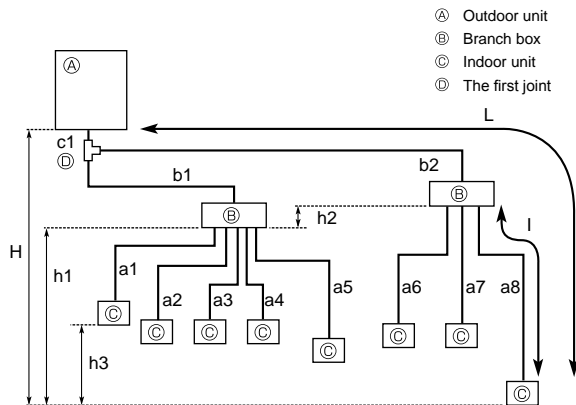


Fig.

Permissible length (one-way)	Total piping length	$c1 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 \leq 150 \text{ m (492 ft.)}$
	Farthest piping length (L)	$c1 + b2 + a8 \leq 80 \text{ m (262 ft.)}$
	Piping length between outdoor unit and branch boxes	$c1 + b1 + b2 \leq 55 \text{ m (180 ft.)}$
	Farthest branch box from the first joint (b2)	$b2 \leq 30 \text{ m (98 ft.)}$
	Farthest piping length after branch box (l)	$a8 \leq 25 \text{ m (82 ft.)}$
	Total piping length between branch boxes and indoor units	$a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 \leq 95 \text{ m (311 ft.)}$
Permissible height difference (one-way)	In indoor/outdoor section (H) *1	$H \leq 50 \text{ m (164 ft.)}$ (In case of outdoor unit is set higher than indoor unit) $H \leq 40 \text{ m (131 ft.)}$ (In case of outdoor unit is set lower than indoor unit)
	In branch box/indoor unit section (h1)	$h1 + h2 \leq 15 \text{ m (49 ft.)}$
	In each branch unit (h2)	$h2 \leq 15 \text{ m (49 ft.)}$
	In each indoor unit (h3)	$h3 \leq 12 \text{ m (39 ft.)}$
Number of bends		$ c1 + b1 + a1 , c1 + b1 + a2 , c1 + b1 + a3 , c1 + b1 + a4 , c1 + b1 + a5 , c1 + b2 + a6 , c1 + b2 + a7 , c1 + b2 + a8 \leq 15$

*1 Branch box should be placed within the level between the outdoor unit and indoor units.

Pipe length and height difference

Flared connections

- This unit has flared connections on each indoor unit and branch box and outdoor unit sides.
- Remove the valve cover of the outdoor unit, then connect the pipe.
- Refrigerant pipes are used to connect the branch box and outdoor unit.

Piping connection size

	A	B
Liquid	ϕ3/8 inch [9.52 mm]	The piping connection size differs according to the type and capacity of indoor units. Match the piping connection size of branch box with indoor unit. If the piping connection size of branch box does not match the piping connection size of indoor unit, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)
Gas	ϕ5/8 inch / ϕ3/4 inch* [15.88 mm] / [19.05 mm]	

* MXZ-8C60NA only

■ Pipe size (Branch box-Indoor unit) *Case of M series or S series Indoor unit

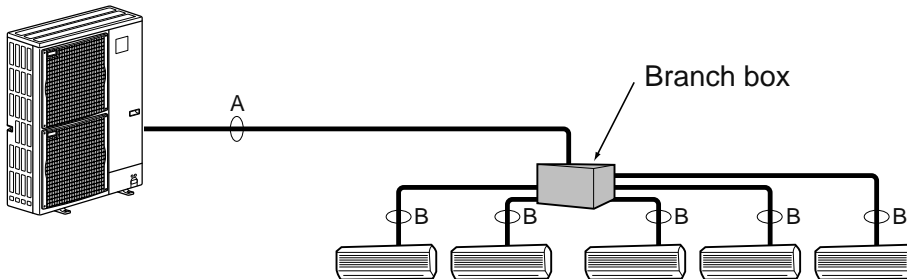
Indoor unit type	(BTU/h)	06	09	12	15	18	24
Pipe size (ømm) (inch)	Liquid	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)
	Gas	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø12.7 (1/2)	ø12.7 (1/2)	ø15.88 (5/8)

■ Pipe size (Branch box-Indoor unit) *Case of P series indoor unit

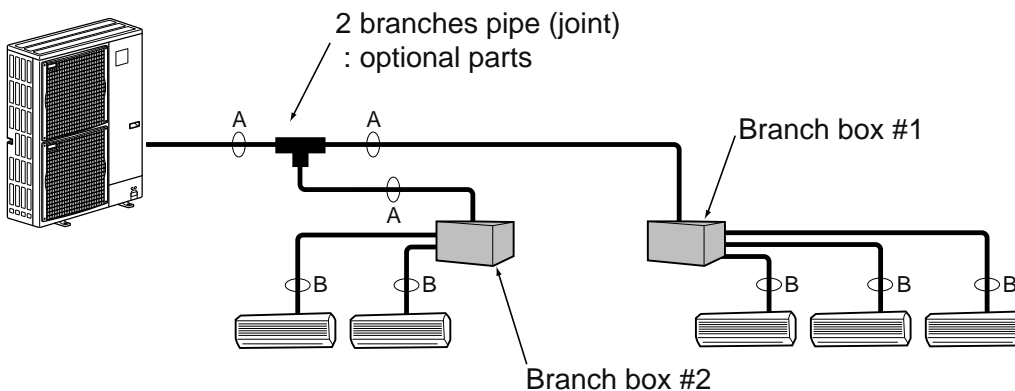
Indoor unit type	(BTU/h)	12	18	24	30	36
Pipe size (ømm) (inch)	Liquid	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)
	Gas	ø12.7 (1/2)	ø12.7 (1/2)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)

Flare connection employed. (No brazing!)

- In case of using 1-branch box
Flare connection employed (No brazing)



- In case of using 2-branch boxes



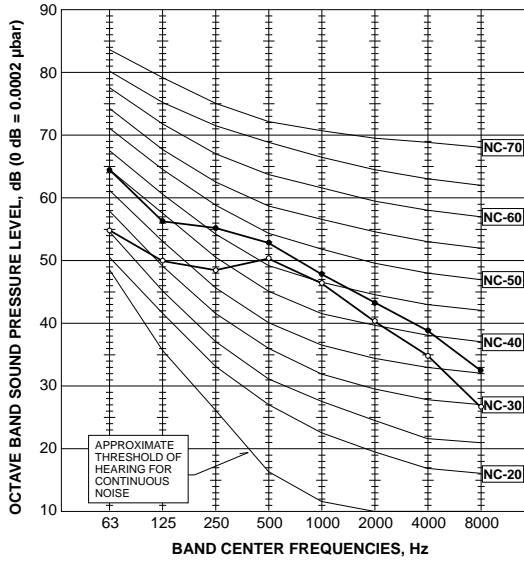
- Installation procedure (2 branches pipe (joint))
Refer to the installation manuals of MSDD-50AR-E and MSDD-50BR-E.

8 | NOISE CRITERION CURVES

8-1. OUTDOOR UNIT

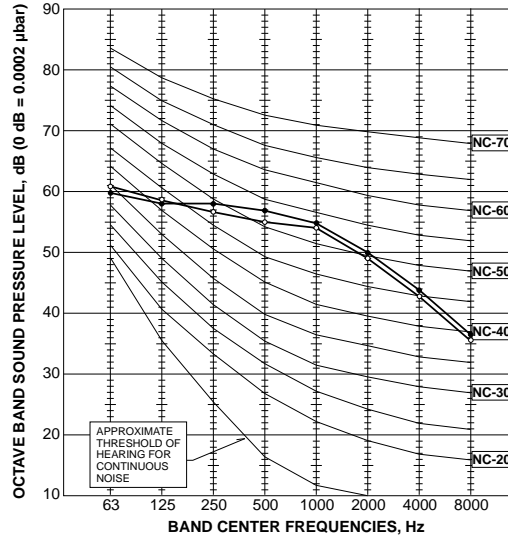
MXZ-8C48NA
MXZ-8C48NAHZ

MODE	SPL(dB)	LINE
COOLING	51	○—○
HEATING	54	●—●



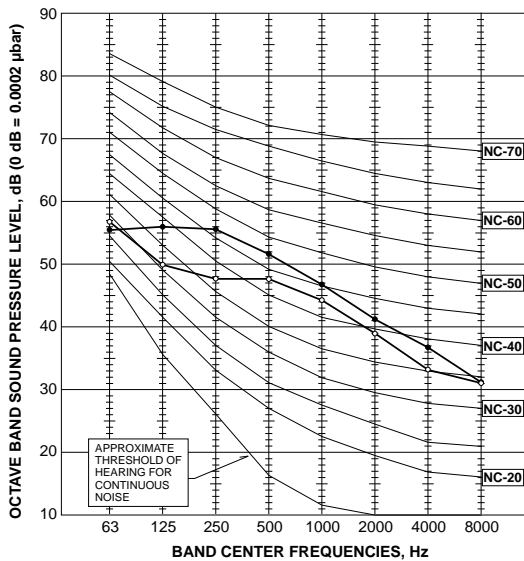
MXZ-8C60NA

MODE	SPL(dB)	LINE
COOLING	58	○—○
HEATING	59	●—●



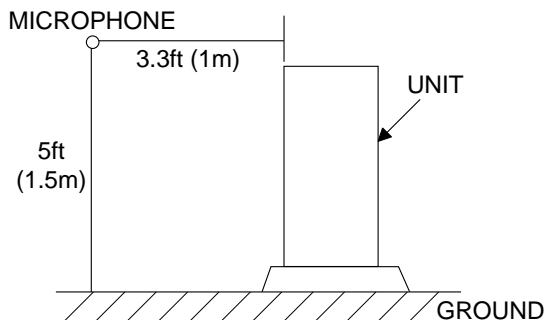
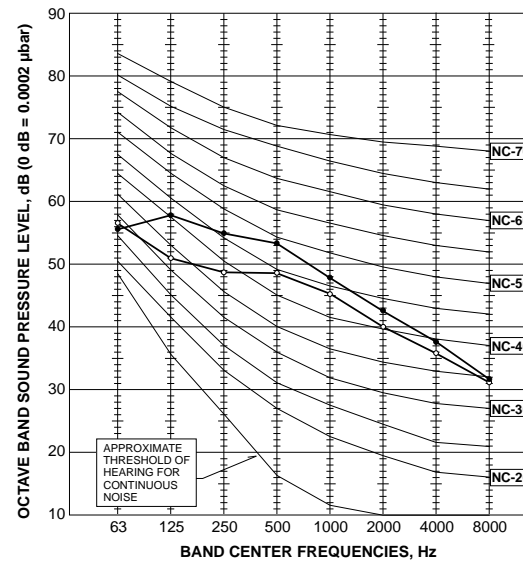
MXZ-4C36NAHZ

MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	53	●—●



MXZ-5C42NAHZ

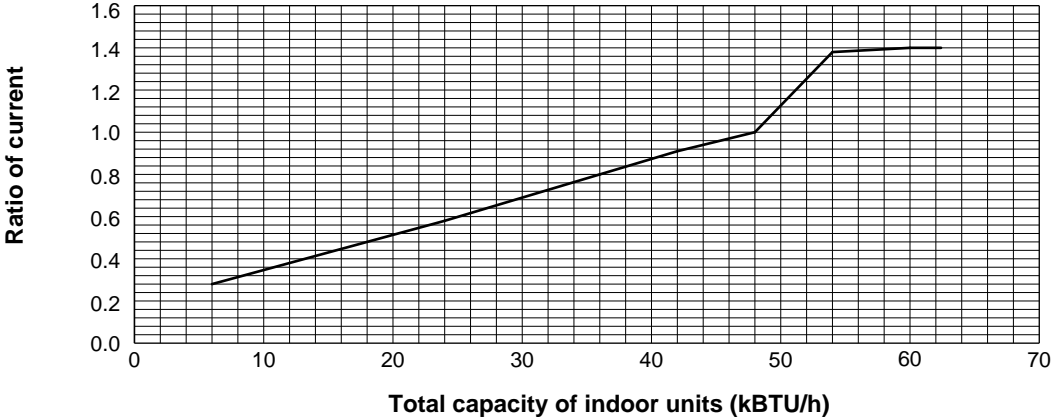
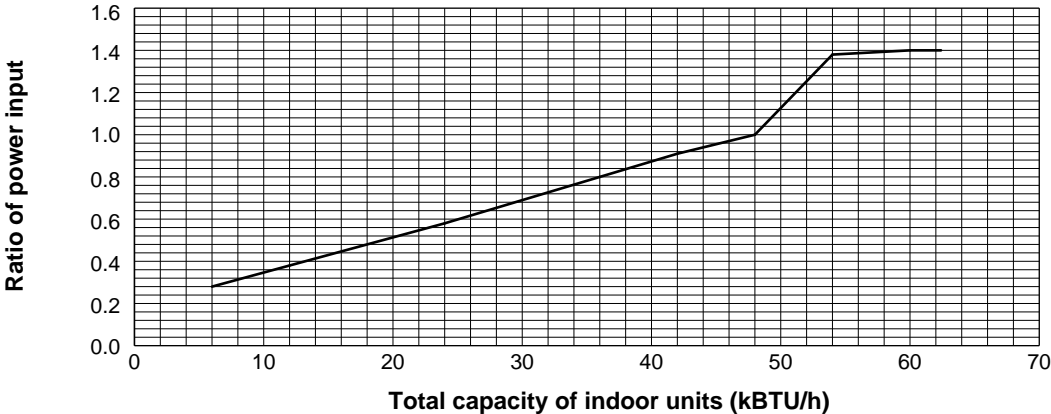
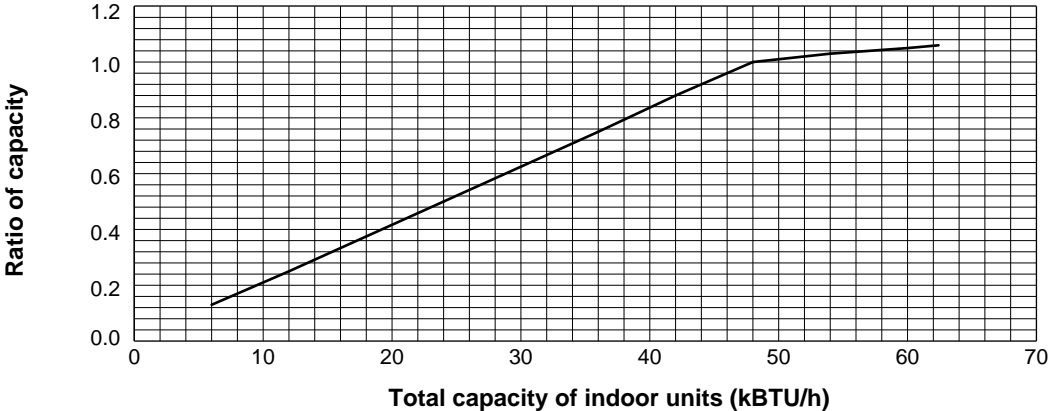
MODE	SPL(dB)	LINE
COOLING	50	○—○
HEATING	54	●—●



9 | STANDARD CAPACITY DIAGRAM

9-1. MXZ-8C48NA MXZ-8C48NAHZ <cooling>

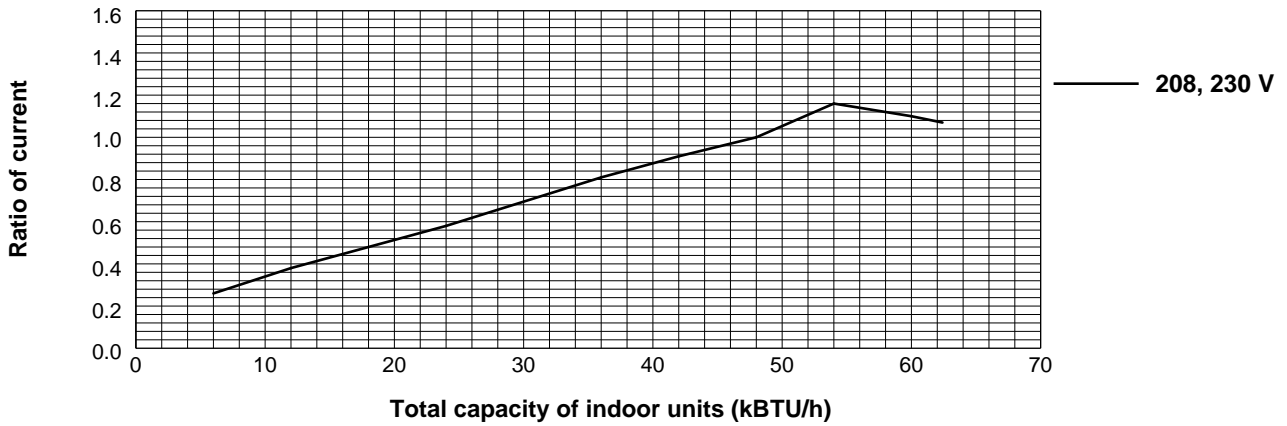
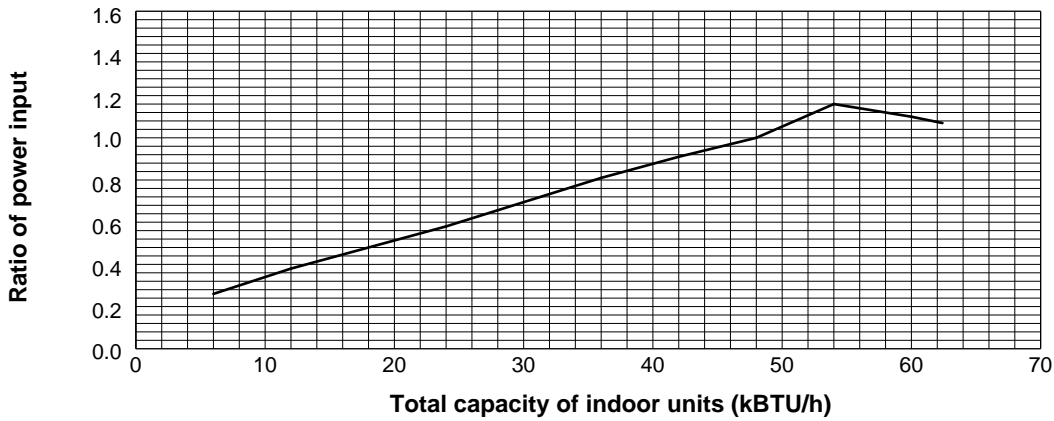
		MXZ
		8C48NAHZ
Nominal cooling capacity	BTU/h	48,000
Input	kW	4.00
Current (208V)	A	19.5
Current (230V)	A	17.6



— 208, 230 V

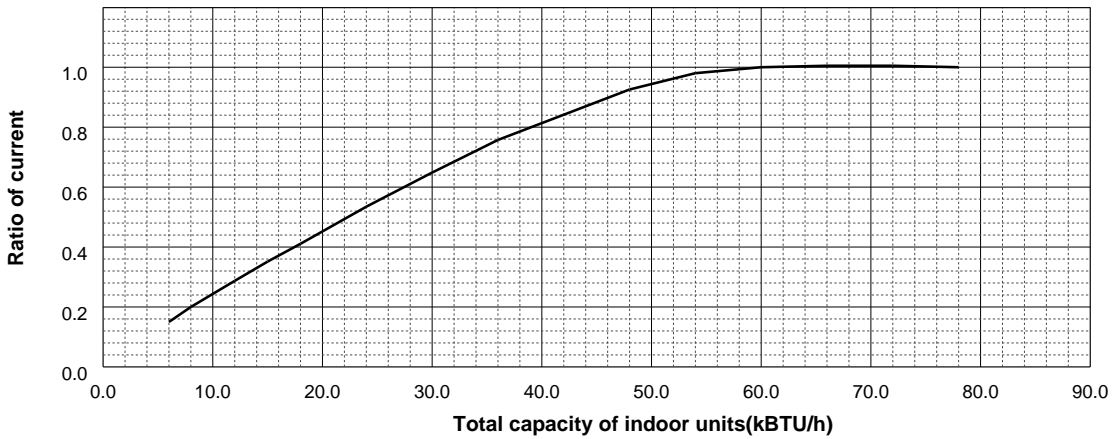
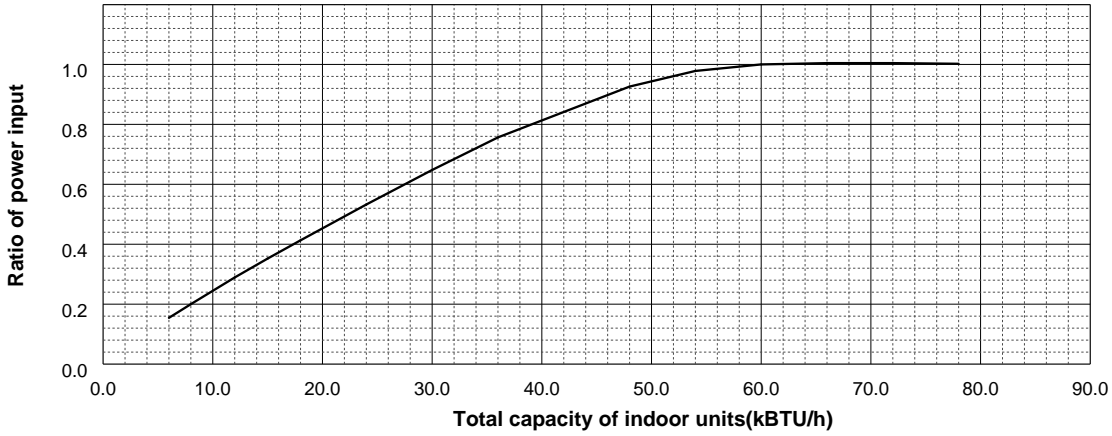
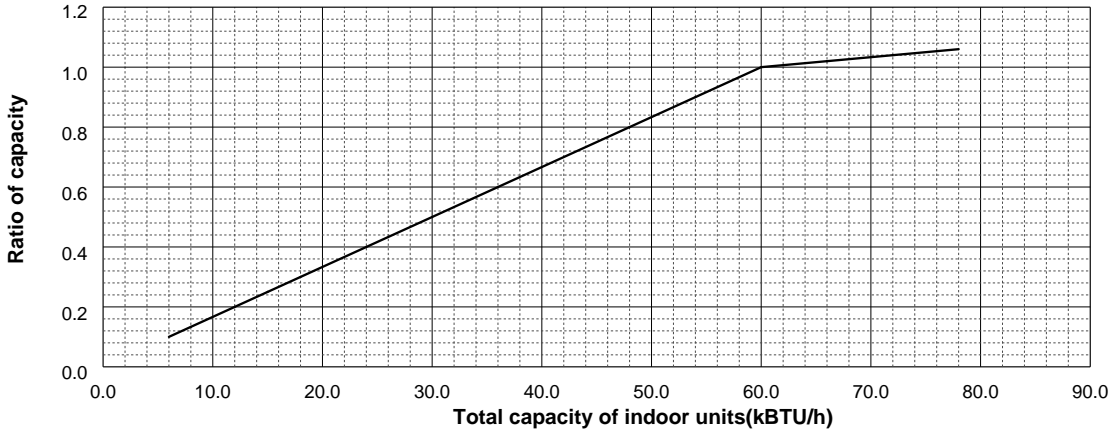
9-2. MXZ-8C48NA MXZ-8C48NAHZ <heating>

		MXZ
		8C48NA(HZ)
Nominal cooling capacity	BTU/h	54,000
Input	kW	4.22
Current (208V)	A	20.5
Current (230V)	A	18.6



9-3. MXZ-8C60NA <cooling>

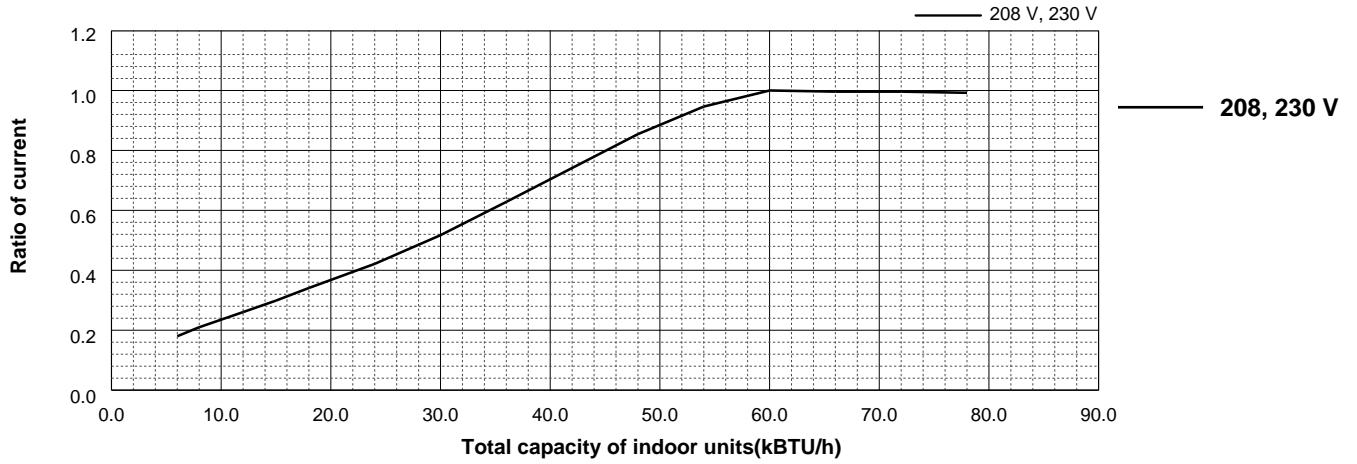
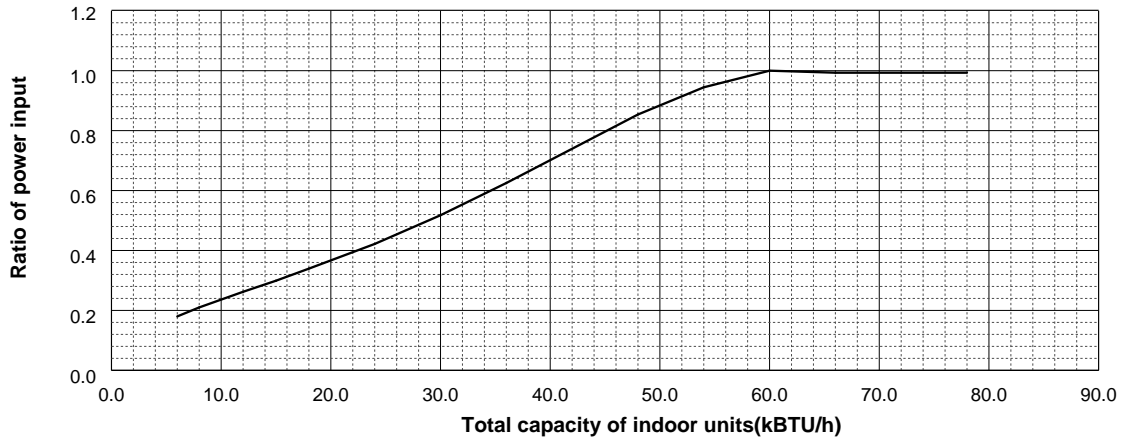
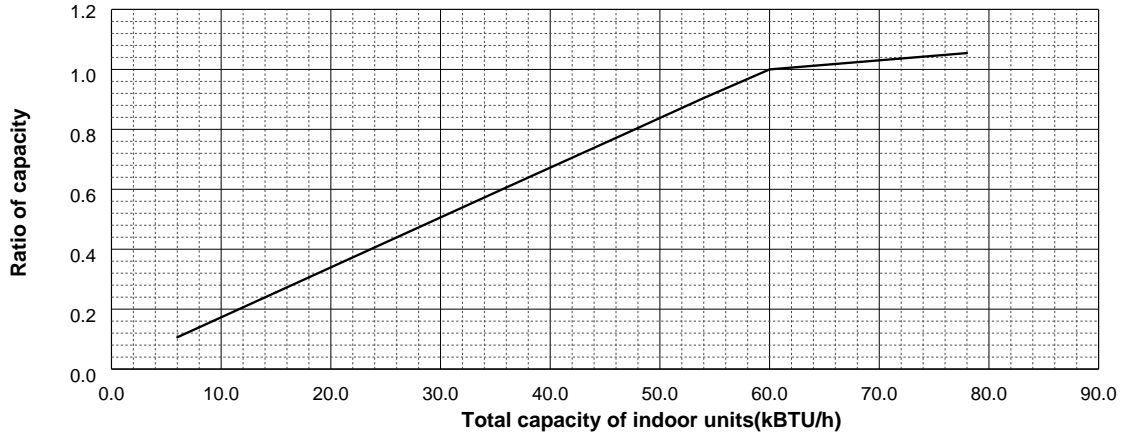
		MXZ 8C60NA
Nominal cooling capacity	BTU/h	60,000
Input	kW	4.80
Current (208V)	A	24.1
Current (230V)	A	21.8



— 208, 230 V

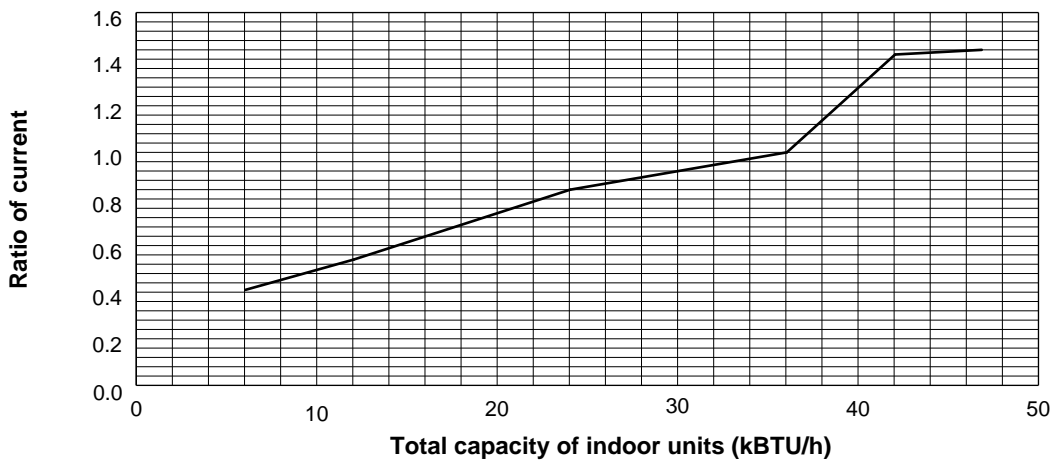
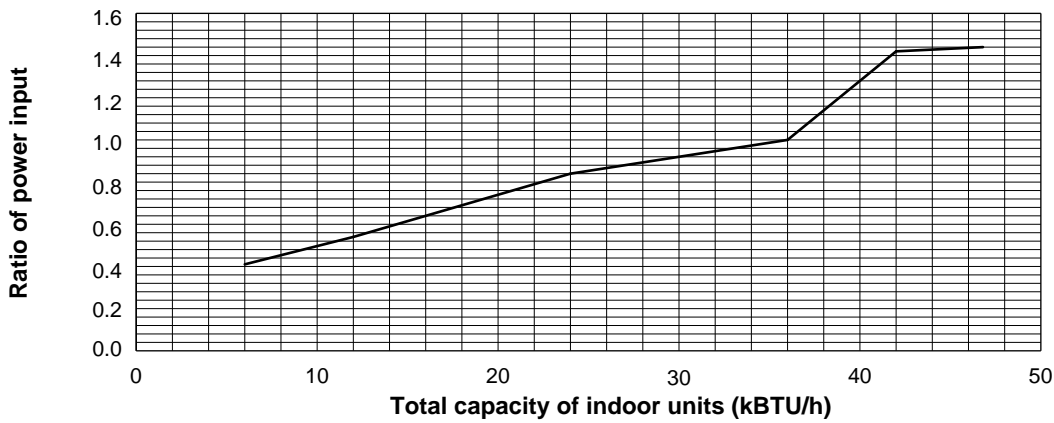
9-4. MXZ-8C60NA <heating>

		MXZ
		8C60NA
Nominal cooling capacity	BTU/h	66,000
Input	kW	5.67
Current (208V)	A	28.5
Current (230V)	A	25.7



9-5. MXZ-4C36NAHZ <cooling>

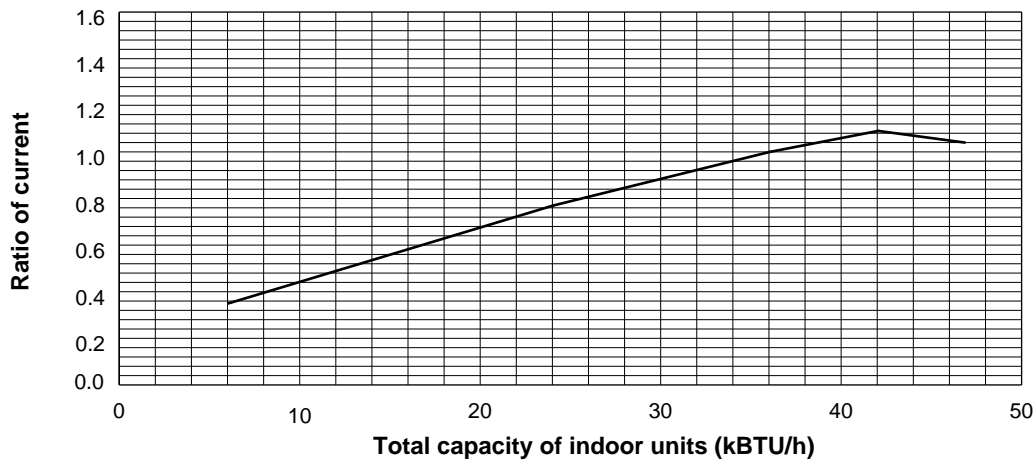
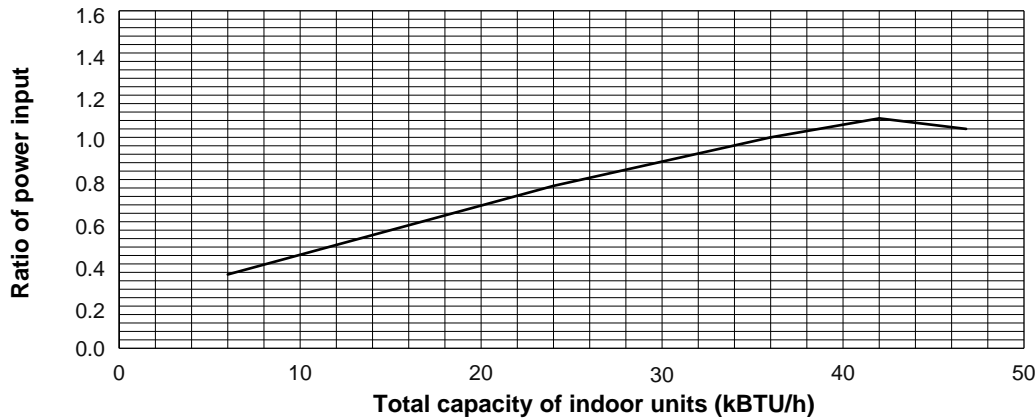
		MXZ
		4C36NAHZ
Nominal cooling capacity	BTU/h	36,000
Input	kW	2.57
Current (208V)	A	12.8
Current (230V)	A	11.6



— 208, 230 V

9-6. MXZ-4C36NAHZ <heating>

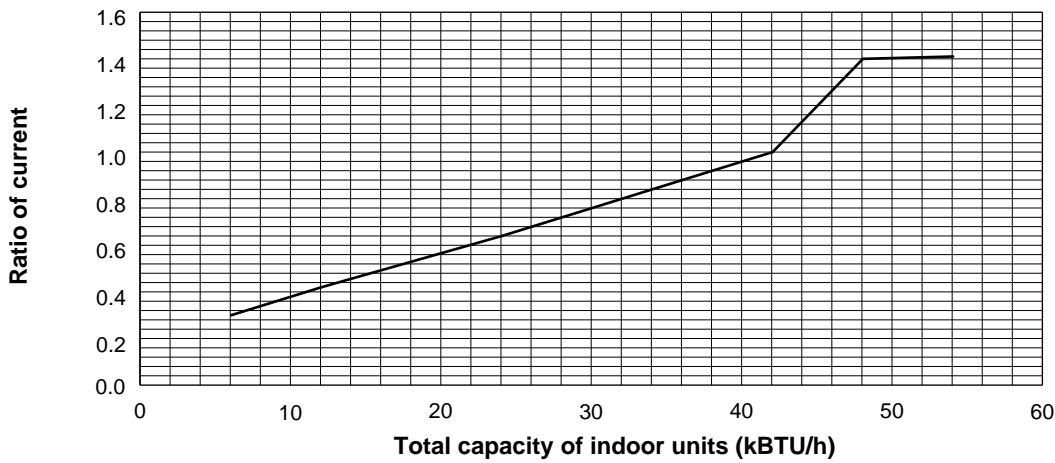
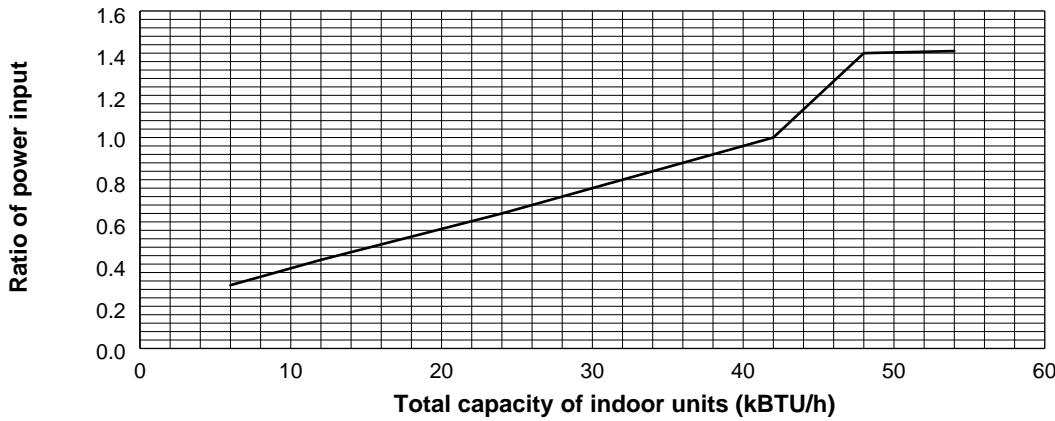
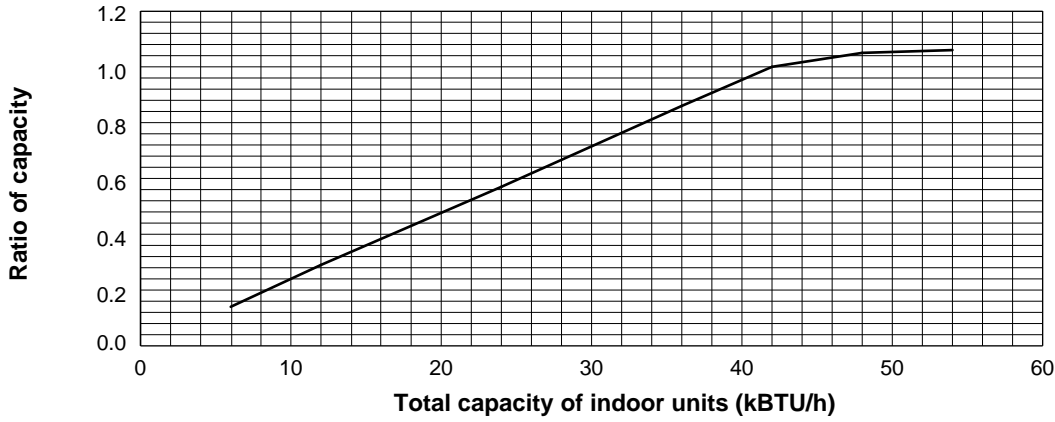
		MXZ
		4C36NAHZ
Nominal cooling capacity	BTU/h	45,000
Input	kW	3.34
Current (208V)	A	16.4
Current (230V)	A	14.8



— 208, 230 V

9-7. MXZ-5C42NAHZ <cooling>

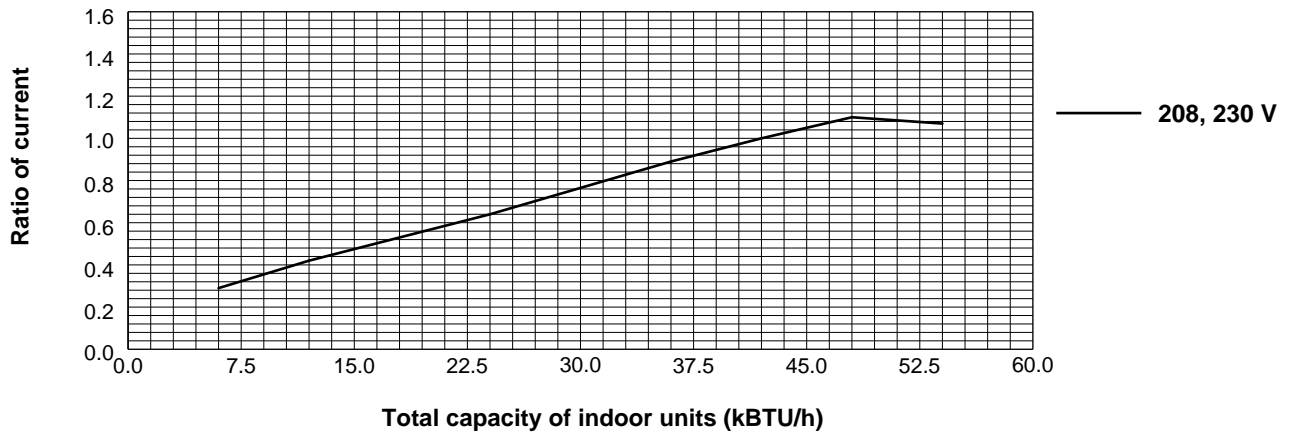
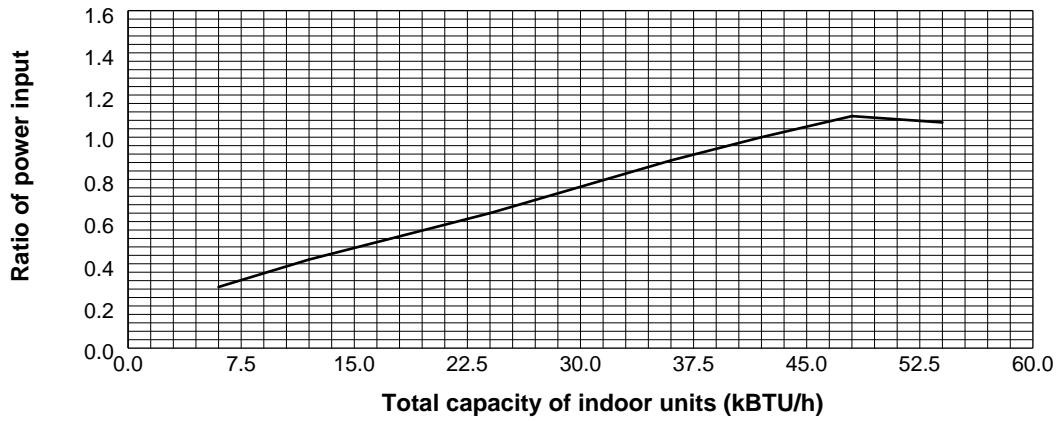
		MXZ
		5C42NAHZ
Nominal cooling capacity	BTU/h	42,000
Input	kW	3.13
Current (208V)	A	15.4
Current (230V)	A	14.0



— 208, 230 V

9-8. MXZ-5C42NAHZ <heating>

		MXZ
		5C42NAHZ
Nominal cooling capacity	BTU/h	48,000
Input	kW	3.43
Current (208V)	A	16.8
Current (230V)	A	15.2



10 | PART LOAD CAPACITY CHART

MXZ-8C48NA 1) COOLING

Rated
Q(Btu/h): 48000
W: 4000

Indoor W.B. Outdoor D.B. (°F) (°C)	72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1 Q(Btu/h) W	32659	32659	24494	16330	8165	11052	30240	30240	22680	15120	7560	10233	27518	27518	20639	13759	6880	9312	24797	24797	18598	12398	6199	8391
110 43.3 Q(Btu/h) W	38880	38880	29160	19440	9720	11458	36000	36000	27000	18000	9000	10609	32760	32760	24570	16380	8190	9655	29520	29520	22140	14760	7380	8700
106 41.1 Q(Btu/h) W	44064	44064	33048	22032	11016	11782	40800	40800	30600	20400	10200	10910	37128	37128	27846	18564	9282	9928	33456	33456	25092	16728	8364	8946
102 38.9 Q(Btu/h) W	48211	48211	36158	24106	12053	12109	44640	44640	33480	22320	11160	11212	40622	40622	30467	20311	10156	10203	36605	36605	27454	18302	9151	9194
98 36.7 Q(Btu/h) W	51322	51322	38491	25661	12830	12429	47520	47520	35640	23760	11880	11508	43243	43243	32432	21622	10811	10472	38966	38966	29225	19483	9742	9436
94 34.4 Q(Btu/h) W	51840	51840	38880	25920	12960	12747	48000	48000	36000	24000	12000	11803	43680	43680	32760	21840	10920	10740	39360	39360	29520	19680	9840	9678
90 32.2 Q(Btu/h) W	52099	52099	39074	26050	13025	13064	48240	48240	36180	24120	12060	12096	43898	43898	32924	21949	10975	11007	39557	39557	29668	19778	9889	9919
86 30.0 Q(Btu/h) W	52099	52099	39074	26050	13025	13378	48240	48240	36180	24120	12060	12387	43898	43898	32924	21949	10975	11272	39557	39557	29668	19778	9889	10158
82 27.8 Q(Btu/h) W	52099	52099	39074	26050	13025	13692	48240	48240	36180	24120	12060	12678	43898	43898	32924	21949	10975	11537	39557	39557	29668	19778	9889	10396
78 25.6 Q(Btu/h) W	52773	52773	39580	26387	13193	14003	48864	48864	36648	24432	12216	12966	44466	44466	33350	22233	11117	11799	40068	40068	30051	20034	10017	10632
74 23.3 Q(Btu/h) W	52773	52773	39580	26387	13193	14313	48864	48864	36648	24432	12216	13253	44466	44466	33350	22233	11117	12060	40068	40068	30051	20034	10017	10867
70 21.1 Q(Btu/h) W	52825	52825	39619	26412	13206	14621	48912	48912	36684	24456	12228	13538	44510	44510	33382	22255	11127	12319	40108	40108	30081	20054	10027	11101
66 18.9 Q(Btu/h) W	52877	52877	39658	26438	13219	14773	48960	48960	36720	24480	12240	13679	44554	44554	33415	22277	11138	12448	40147	40147	30110	20074	10037	11217
62 16.7 Q(Btu/h) W	52877	52877	39658	26438	13219	15077	48960	48960	36720	24480	12240	13960	44554	44554	33415	22277	11138	12704	40147	40147	30110	20074	10037	11448
58 14.4 Q(Btu/h) W	52877	52877	39658	26438	13219	15238	48960	48960	36720	24480	12240	14109	44554	44554	33415	22277	11138	12839	40147	40147	30110	20074	10037	11569
54 12.2 Q(Btu/h) W	52877	52877	39658	26438	13219	15539	48960	48960	36720	24480	12240	14388	44554	44554	33415	22277	11138	13093	40147	40147	30110	20074	10037	11798
50 10.0 Q(Btu/h) W	52877	52877	39658	26438	13219	15203	48960	48960	36720	24480	12240	14077	44554	44554	33415	22277	11138	12810	40147	40147	30110	20074	10037	11543
46 7.8 Q(Btu/h) W	52877	52877	39658	26438	13219	15013	48960	48960	36720	24480	12240	13901	44554	44554	33415	22277	11138	12650	40147	40147	30110	20074	10037	11399
42 5.6 Q(Btu/h) W	52877	52877	39658	26438	13219	15308	48960	48960	36720	24480	12240	14174	44554	44554	33415	22277	11138	12898	40147	40147	30110	20074	10037	11622
38 3.3 Q(Btu/h) W	52877	52877	39658	26438	13219	15602	48960	48960	36720	24480	12240	14446	44554	44554	33415	22277	11138	13146	40147	40147	30110	20074	10037	11846
34 1.1 Q(Btu/h) W	52877	52877	39658	26438	13219	15896	48960	48960	36720	24480	12240	14719	44554	44554	33415	22277	11138	13394	40147	40147	30110	20074	10037	12070
30 -1.1 Q(Btu/h) W	52877	52877	39658	26438	13219	16191	48960	48960	36720	24480	12240	14991	44554	44554	33415	22277	11138	13642	40147	40147	30110	20074	10037	12293
26 -3.3 Q(Btu/h) W	52877	52877	39658	26438	13219	16485	48960	48960	36720	24480	12240	15264	44554	44554	33415	22277	11138	13890	40147	40147	30110	20074	10037	12517
23 -5.0 Q(Btu/h) W	52877	52877	39658	26438	13219	16780	48960	48960	36720	24480	12240	15537	44554	44554	33415	22277	11138	14138	40147	40147	30110	20074	10037	12740
18 -7.8 Q(Btu/h) W	52877	52877	39658	26438	13219	17074	48960	48960	36720	24480	12240	15809	44554	44554	33415	22277	11138	14386	40147	40147	30110	20074	10037	12964
14 -10.0 Q(Btu/h) W	52877	52877	39658	26438	13219	17368	48960	48960	36720	24480	12240	16082	44554	44554	33415	22277	11138	14634	40147	40147	30110	20074	10037	13187
10 -12.2 Q(Btu/h) W	52877	52877	39658	26438	13219	17663	48960	48960	36720	24480	12240	16354	44554	44554	33415	22277	11138	14882	40147	40147	30110	20074	10037	13411
6 -14.4 Q(Btu/h) W	52877	52877	39658	26438	13219	17957	48960	48960	36720	24480	12240	16627	44554	44554	33415	22277	11138	15130	40147	40147	30110	20074	10037	13634

* It may not reach the above capacities in low ambient temperatures.

* An air outlet guide is needed for ambient temperatures below 41°F.

MXZ-8C48NA
2) HEATING

Rated
Q(Btu/h): 54000
W: 4220

Indoor D.B.		80°F / 26.7°C						70°F / 21.1°C						60°F / 15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
60	15.6	Q(Btu/h)	42120	42120	31590	21060	-	14570	54000	54000	40500	27000	-	18680	65340	65340	49005	32670	-	22602
		W	2110	2110	1688	1224	-	571	2870	2870	2296	1664	-	777	2532	2532	2026	1469	-	685
55	12.8	Q(Btu/h)	42120	42120	31590	21060	-	13752	54000	54000	40500	27000	-	17631	65340	65340	49005	32670	-	21334
		W	2363	2363	1891	1371	-	576	3207	3207	2566	1860	-	782	2701	2701	2161	1566	-	659
50	10.0	Q(Btu/h)	42120	42120	31590	21060	-	12943	54000	54000	40500	27000	-	16594	65340	65340	49005	32670	-	20079
		W	2616	2616	2093	1518	-	579	3545	3545	2836	2056	-	784	2954	2954	2363	1713	-	653
47	8.3	Q(Btu/h)	42120	42120	31590	21060	-	12461	54000	54000	40500	27000	-	15976	65340	65340	49005	32670	-	19331
		W	2785	2785	2228	1615	-	575	3798	3798	3038	2203	-	784	3207	3207	2566	1860	-	662
42	5.6	Q(Btu/h)	42120	42120	31590	21060	-	11698	54000	54000	40500	27000	-	14997	65340	65340	49005	32670	-	18147
		W	3038	3038	2431	1762	-	540	4389	4389	3511	2546	-	780	3587	3587	2870	2080	-	638
35	1.7	Q(Btu/h)	37066	37066	27799	18533	-	11601	47520	47520	35640	23760	-	14874	57499	57499	43124	28750	-	17997
		W	3714	3714	2971	2154	-	774	5148	5148	4119	2986	-	1073	4473	4473	3579	2594	-	932
32	0.0	Q(Btu/h)	36695	36695	27521	18347	-	10973	47045	47045	35284	23522	-	14068	56924	56924	42693	28462	-	17022
		W	4051	4051	3241	2350	-	807	5317	5317	4254	3084	-	1059	4642	4642	3714	2692	-	925
27	-2.8	Q(Btu/h)	33738	33738	25304	16869	-	10100	43254	43254	32441	21627	-	12949	49742	49742	37307	24871	-	15668
		W	4473	4473	3579	2594	-	933	4895	4895	3916	2839	-	1021	4220	4220	3376	2448	-	880
22	-5.6	Q(Btu/h)	30705	30705	23029	15353	-	9712	39366	39366	29525	19683	-	12451	47633	47633	35725	23816	-	15066
		W	4980	4980	3984	2888	-	1063	4558	4558	3646	2643	-	973	3798	3798	3038	2203	-	811
17	-8.3	Q(Btu/h)	28810	28810	21608	14405	-	9070	36936	36936	27702	18468	-	11628	44693	44693	33519	22346	-	14070
		W	4811	4811	3849	2790	-	1066	4136	4136	3308	2399	-	917	3292	3292	2633	1909	-	730
12	-11.1	Q(Btu/h)	26409	26409	19807	13205	-	7874	33858	33858	25394	16929	-	10095	40968	40968	30726	20484	-	12215
		W	4473	4473	3579	2594	-	1022	3714	3714	2971	2154	-	848	2870	2870	2296	1664	-	655
5	-15.0	Q(Btu/h)	24008	24008	18006	12004	-	6259	30780	30780	23085	15390	-	8025	37244	37244	27933	18622	-	9710
		W	3882	3882	3106	2252	-	939	3038	3038	2431	1762	-	735	2194	2194	1756	1273	-	531
2	-16.7	Q(Btu/h)	23008	23008	17256	11504	5752	5574	29498	29498	22123	14749	7374	7146	35692	35692	26769	17846	8923	8647
		W	3629	3629	2903	2105	1379	884	2785	2785	2228	1615	1058	679	1899	1899	1519	1101	722	463
-3	-19.4	Q(Btu/h)	21608	21608	16206	10804	5402	4801	27702	27702	20777	13851	6926	6155	33519	33519	25140	16760	8380	7447
		W	3292	3292	2633	1909	1251	849	2363	2363	1891	1371	898	609	1435	1435	1148	832	545	370
-8	-22.2	Q(Btu/h)	20007	20007	15005	10004	5002	3657	25650	25650	19238	12825	6413	4688	31037	31037	23277	15518	7759	5673
		W	2870	2870	2296	1664	1090	717	1941	1941	1553	1126	738	485	928	928	743	538	353	232
-13	-25.0	Q(Btu/h)	18406	18406	13805	9203	4602	2542	23598	23598	17699	11799	5900	3259	28554	28554	21415	14277	7138	3943
		W	2490	2490	1992	1444	946	570	1519	1519	1215	881	577	348	506	506	405	294	192	116

* Above data is for heating operation without any frost.

MXZ-8C60NA
2) HEATING

Rated
Q(Btu/h): 66000
W: 5670

Indoor D.B.		80°F / 26.7°C						70°F / 21.1°C						60°F / 15.6°C					
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
(°F)	(°C)																		
60	15.6	Q(Btu/h)	51480	51480	38610	25740	- 17808	66000	66000	49500	33000	- 22831	79860	79860	59895	39930	- 27625		
		W	2835	2835	2268	1474	- 767	3856	3856	3084	2005	- 1043	3402	3402	2722	1769	- 921		
55	12.8	Q(Btu/h)	51480	51480	38610	25740	- 16808	66000	66000	49500	33000	- 21549	79860	79860	59895	39930	- 26075		
		W	3175	3175	2540	1651	- 774	4309	4309	3447	2241	- 1051	3629	3629	2903	1887	- 885		
50	10.0	Q(Btu/h)	51480	51480	38610	25740	- 15820	66000	66000	49500	33000	- 20282	79860	79860	59895	39930	- 24541		
		W	3515	3515	2812	1828	- 778	4763	4763	3810	2477	- 1054	3969	3969	3175	2064	- 878		
47	8.3	Q(Btu/h)	51480	51480	38610	25740	- 15230	66000	66000	49500	33000	- 19526	79860	79860	59895	39930	- 23626		
		W	3742	3742	2994	1946	- 772	5103	5103	4082	2654	- 1053	4309	4309	3447	2241	- 889		
42	5.6	Q(Btu/h)	51480	51480	38610	25740	- 14297	66000	66000	49500	33000	- 18330	79860	79860	59895	39930	- 22179		
		W	4082	4082	3266	2123	- 726	5897	5897	4717	3066	- 1048	4820	4820	3856	2506	- 857		
35	1.7	Q(Btu/h)	45302	45302	33977	22651	- 14180	58080	58080	43560	29040	- 18179	70277	70277	52708	35138	- 21996		
		W	4990	4990	3992	2595	- 1040	6917	6917	5534	3597	- 1442	6010	6010	4808	3125	- 1253		
32	0.0	Q(Btu/h)	44849	44849	33637	22425	- 13411	57499	57499	43124	28750	- 17194	69574	69574	52181	34787	- 20805		
		W	5443	5443	4355	2830	- 1084	7144	7144	5715	3715	- 1423	6237	6237	4990	3243	- 1242		
27	-2.8	Q(Btu/h)	41235	41235	30927	20618	- 12345	52866	52866	39650	26433	- 15826	60796	60796	45597	30398	- 19150		
		W	6010	6010	4808	3125	- 1253	6577	6577	5262	3420	- 1372	5670	5670	4536	2948	- 1183		
22	-5.6	Q(Btu/h)	37529	37529	28147	18764	- 11870	48114	48114	36086	24057	- 15218	58218	58218	43663	29109	- 18414		
		W	6691	6691	5352	3479	- 1428	6124	6124	4899	3184	- 1307	5103	5103	4082	2654	- 1089		
17	-8.3	Q(Btu/h)	35212	35212	26409	17606	- 11086	45144	45144	33858	22572	- 14212	54624	54624	40968	27312	- 17197		
		W	6464	6464	5171	3361	- 1433	5557	5557	4445	2889	- 1232	4423	4423	3538	2300	- 980		
12	-11.1	Q(Btu/h)	32278	32278	24208	16139	- 9624	41382	41382	31037	20691	- 12338	50072	50072	37554	25036	- 14929		
		W	6010	6010	4808	3125	- 1373	4990	4990	3992	2595	- 1140	3856	3856	3084	2005	- 881		
5	-15.0	Q(Btu/h)	29344	29344	22008	14672	- 7650	37620	37620	28215	18810	- 9808	45520	45520	34140	22760	- 11868		
		W	5216	5216	4173	2713	- 1262	4082	4082	3266	2123	- 987	2948	2948	2359	1533	- 713		
2	-16.7	Q(Btu/h)	28121	28121	21091	14060	7030 6812	36053	36053	27039	18026	9013 8734	43624	43624	32718	21812	10906 10568		
		W	4876	4876	3901	2536	1463 1188	3742	3742	2994	1946	1123 912	2552	2552	2041	1327	765 622		
-3	-19.4	Q(Btu/h)	26409	26409	19807	13205	6602 5868	33858	33858	25394	16929	8465 7523	40968	40968	30726	20484	10242 9102		
		W	4423	4423	3538	2300	1327 1140	3175	3175	2540	1651	953 819	1928	1928	1542	1002	578 497		
-8	-22.2	Q(Btu/h)	24453	24453	18340	12227	6113 4469	31350	31350	23513	15675	7838 5730	37934	37934	28450	18967	9483 6933		
		W	3856	3856	3084	2005	1157 964	2608	2608	2087	1356	782 652	1247	1247	998	649	374 312		
-13	-25.0	Q(Btu/h)	22497	22497	16873	11248	5624 3107	28842	28842	21632	14421	7211 3983	34899	34899	26174	17449	8725 4819		
		W	3345	3345	2676	1740	1004 766	2041	2041	1633	1061	612 468	680	680	544	354	204 156		

* Above data is for heating operation without any frost.

MXZ-4C36NAHZ
2) HEATING

Rated
 Q(Btu/h): 45000
 W: 3340

Indoor D.B.		80°F / 26.7°C						70°F / 21.1°C						60°F / 15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
60	15.6	Q(Btu/h)	35100	35100	25974	16848	-	12142	45000	45000	33300	21600	-	15566	54450	54450	40293	26136	-	18835
		W	2004	2004	1663	1263	-	527	2338	2338	1941	1473	-	615	1670	1670	1386	1052	-	439
55	12.8	Q(Btu/h)	35100	35100	25974	16848	-	11460	45000	45000	33300	21600	-	14693	54450	54450	40293	26136	-	17778
		W	2338	2338	1941	1473	-	559	2589	2589	2148	1631	-	619	1837	1837	1525	1157	-	439
50	10.0	Q(Btu/h)	35100	35100	25974	16848	-	10786	45000	45000	33300	21600	-	13829	54450	54450	40293	26136	-	16733
		W	2505	2505	2079	1578	-	548	2839	2839	2356	1789	-	621	2004	2004	1663	1263	-	438
47	8.3	Q(Btu/h)	35100	35100	25974	16848	-	10384	45000	45000	33300	21600	-	13313	54450	54450	40293	26136	-	16109
		W	2756	2756	2287	1736	-	569	3006	3006	2495	1894	-	620	2171	2171	1802	1368	-	448
42	5.6	Q(Btu/h)	35100	35100	25974	16848	-	9748	45000	45000	33300	21600	-	12498	54450	54450	40293	26136	-	15122
		W	3006	3006	2495	1894	-	556	3340	3340	2772	2104	-	617	2338	2338	1941	1473	-	432
35	1.7	Q(Btu/h)	30888	30888	22857	14826	-	9668	39600	39600	29304	19008	-	12395	47916	47916	35458	23000	-	14998
		W	3340	3340	2772	2104	-	787	3607	3607	2994	2273	-	849	2672	2672	2218	1683	-	629
32	0.0	Q(Btu/h)	30888	30888	22857	14826	-	9144	39600	39600	29304	19008	-	11723	47916	47916	35458	23000	-	14185
		W	3507	3507	2911	2209	-	800	3674	3674	3049	2315	-	838	2756	2756	2287	1736	-	629
27	-2.8	Q(Btu/h)	31239	31239	23117	14995	-	8417	40050	40050	29637	19224	-	10791	48461	48461	35861	23261	-	13057
		W	3607	3607	2994	2273	-	740	3941	3941	3271	2483	-	808	2923	2923	2426	1841	-	599
22	-5.6	Q(Btu/h)	31590	31590	23377	15163	-	8093	40500	40500	29970	19440	-	10376	49005	49005	36264	23522	-	12555
		W	3941	3941	3271	2483	-	713	4259	4259	3535	2683	-	770	3173	3173	2634	1999	-	574
17	-8.3	Q(Btu/h)	33345	33345	24675	16006	8003	7558	42750	42750	31635	20520	10260	9690	51728	51728	38278	24829	12415	11725
		W	4092	4092	3396	2578	1718	646	4593	4593	3812	2893	1929	726	3540	3540	2939	2230	1487	559
12	-11.1	Q(Btu/h)	33345	33345	24675	16006	8003	6562	42750	42750	31635	20520	10260	8412	51728	51728	38278	24829	12415	10179
		W	4175	4175	3465	2630	1754	559	5010	5010	4158	3156	2104	671	4092	4092	3396	2578	1718	548
5	-15.0	Q(Btu/h)	33345	33345	24675	16006	8003	5216	42750	42750	31635	20520	10260	6687	51728	51728	38278	24829	12415	8092
		W	4259	4259	3535	2683	1789	462	5361	5361	4449	3377	2251	582	4760	4760	3950	2998	1999	516
2	-16.7	Q(Btu/h)	32011	32011	23688	15365	7683	4645	41040	41040	30370	19699	9850	5955	49658	49658	36747	23836	11918	7206
		W	4008	4008	3327	2525	1683	403	5344	5344	4436	3367	2244	537	5010	5010	4158	3156	2104	503
-3	-19.4	Q(Btu/h)	29344	29344	21714	14085	7042	4001	37620	37620	27839	18058	9029	5129	45520	45520	33685	21850	10925	6206
		W	3674	3674	3049	2315	1543	348	5094	5094	4228	3209	2139	482	5261	5261	4366	3314	2209	498
-8	-22.2	Q(Btu/h)	27343	27343	20234	13125	6562	3047	35055	35055	25941	16826	8413	3907	42417	42417	31388	20360	10180	4727
		W	3257	3257	2703	2052	1368	258	4843	4843	4020	3051	2034	384	5595	5595	4643	3525	2350	444
-13	-25.0	Q(Btu/h)	25009	25009	18506	12004	6002	2118	32063	32063	23726	15390	7695	2716	38796	38796	28709	18622	9311	3286
		W	2839	2839	2356	1789	1192	167	4676	4676	3881	2946	1964	275	5344	5344	4436	3367	2244	315

* Above data is for heating operation without any frost.

MXZ-5C42NAHZ
2) HEATING

Rated
 Q(Btu/h): 48000
 W: 3430

Indoor D.B.		80°F / 26.7°C						70°F / 21.1°C						60°F / 15.6°C						
Outdoor W.B.		Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	
(°F)	(°C)																			
60	15.6	Q(Btu/h)	37440	37440	28454	18346	- 12951	48000	48000	36480	23520	- 16604	58080	58080	44141	28459	- 20091			
		W	2058	2058	1646	1194	- 541	2401	2401	1921	1393	- 631	1715	1715	1372	995	- 451			
55	12.8	Q(Btu/h)	37440	37440	28454	18346	- 12224	48000	48000	36480	23520	- 15672	58080	58080	44141	28459	- 18963			
		W	2401	2401	1921	1393	- 574	2658	2658	2127	1542	- 636	1887	1887	1509	1094	- 451			
50	10.0	Q(Btu/h)	37440	37440	28454	18346	- 11505	48000	48000	36480	23520	- 14750	58080	58080	44141	28459	- 17848			
		W	2573	2573	2058	1492	- 562	2916	2916	2332	1691	- 637	2058	2058	1646	1194	- 450			
47	8.3	Q(Btu/h)	37440	37440	28454	18346	- 11077	48000	48000	36480	23520	- 14201	58080	58080	44141	28459	- 17183			
		W	2830	2830	2264	1641	- 584	3087	3087	2470	1790	- 637	2230	2230	1784	1293	- 460			
42	5.6	Q(Btu/h)	37440	37440	28454	18346	- 10398	48000	48000	36480	23520	- 13331	58080	58080	44141	28459	- 16130			
		W	3087	3087	2470	1790	- 571	3430	3430	2744	1989	- 634	2401	2401	1921	1393	- 444			
35	1.7	Q(Btu/h)	32947	32947	25040	16144	- 10312	42240	42240	32102	20698	- 13221	51110	51110	38844	25044	- 15997			
		W	3430	3430	2744	1989	- 808	3704	3704	2964	2149	- 872	2744	2744	2195	1592	- 646			
32	0.0	Q(Btu/h)	32947	32947	25040	16144	- 9754	42240	42240	32102	20698	- 12505	51110	51110	38844	25044	- 15131			
		W	3602	3602	2881	2089	- 822	3773	3773	3018	2188	- 861	2830	2830	2264	1641	- 646			
27	-2.8	Q(Btu/h)	33322	33322	25324	16328	- 8978	42720	42720	32467	20933	- 11510	51691	51691	39285	25329	- 13927			
		W	3704	3704	2964	2149	- 759	4047	4047	3238	2347	- 830	3001	3001	2401	1741	- 615			
22	-5.6	Q(Btu/h)	33696	33696	25609	16511	- 8633	43200	43200	32832	21168	- 11068	52272	52272	39727	25613	- 13392			
		W	4047	4047	3238	2347	- 732	4373	4373	3499	2536	- 791	3259	3259	2607	1890	- 589			
17	-8.3	Q(Btu/h)	35568	35568	27032	17428	8536	8062	45600	45600	34656	22344	10944	10336	55176	55176	41934	27036	13242	12507
		W	4202	4202	3361	2437	1597	664	4716	4716	3773	2735	1792	745	3636	3636	2909	2109	1382	574
12	-11.1	Q(Btu/h)	35568	35568	27032	17428	8536	6999	45600	45600	34656	22344	10944	8973	55176	55176	41934	27036	13242	10858
		W	4288	4288	3430	2487	1629	575	5145	5145	4116	2984	1955	689	4202	4202	3361	2437	1597	563
5	-15.0	Q(Btu/h)	35568	35568	27032	17428	8536	5564	45600	45600	34656	22344	10944	7133	55176	55176	41934	27036	13242	8631
		W	4373	4373	3499	2536	1662	474	5505	5505	4404	3193	2092	597	4888	4888	3910	2835	1857	530
2	-16.7	Q(Btu/h)	34145	34145	25950	16731	8195	4955	43776	43776	33270	21450	10506	6352	52969	52969	40256	25955	12713	7686
		W	4116	4116	3293	2387	1564	414	5488	5488	4390	3183	2085	551	5145	5145	4116	2984	1955	517
-3	-19.4	Q(Btu/h)	31300	31300	23788	15337	7512	4267	40128	40128	30497	19663	9631	5471	48555	48555	36902	23792	11653	6620
		W	3773	3773	3018	2188	1434	357	5231	5231	4185	3034	1988	495	5402	5402	4322	3133	2053	511
-8	-22.2	Q(Btu/h)	29166	29166	22166	14291	7000	3250	37392	37392	28418	18322	8974	4167	45244	45244	34386	22170	10859	5042
		W	3344	3344	2675	1940	1271	265	4974	4974	3979	2885	1890	394	5745	5745	4596	3332	2183	456
-13	-25.0	Q(Btu/h)	26676	26676	20274	13071	6402	2259	34200	34200	25992	16758	8208	2897	41382	41382	31450	20277	9932	3505
		W	2916	2916	2332	1691	1108	172	4802	4802	3842	2785	1825	283	5488	5488	4390	3183	2085	323

* Above data is for heating operation without any frost.

MXZ-8C48NAHZ
1) COOLING

Rated
Q(Btu/h): 48000
W: 4000

Indoor W.B. Outdoor D.B. (°F) (°C)	72°F / 22.2°C						67°F / 19.4°C						64°F / 17.8°C						61°F / 16.1°C					
	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
115 46.1 Q(Btu/h) W	32659	32659	24494	16330	8165	11052	30240	30240	22680	15120	7560	10233	27518	27518	20639	13759	6880	9312	24797	24797	18598	12398	6199	8391
110 43.3 Q(Btu/h) W	38880	38880	29160	19440	9720	11458	36000	36000	27000	18000	9000	10609	32760	32760	24570	16380	8190	9655	29520	29520	22140	14760	7380	8700
106 41.1 Q(Btu/h) W	44064	44064	33048	22032	11016	11782	40800	40800	30600	20400	10200	10910	37128	37128	27846	18564	9282	9928	33456	33456	25092	16728	8364	8946
102 38.9 Q(Btu/h) W	48211	48211	36158	24106	12053	12109	44640	44640	33480	22320	11160	11212	40622	40622	30467	20311	10156	10203	36605	36605	27454	18302	9151	9194
98 36.7 Q(Btu/h) W	51322	51322	38491	25661	12830	12429	47520	47520	35640	23760	11880	11508	43243	43243	32432	21622	10811	10472	38966	38966	29225	19483	9742	9436
94 34.4 Q(Btu/h) W	51840	51840	38880	25920	12960	12747	48000	48000	36000	24000	12000	11803	43680	43680	32760	21840	10920	10740	39360	39360	29520	19680	9840	9678
90 32.2 Q(Btu/h) W	52099	52099	39074	26050	13025	13064	48240	48240	36180	24120	12060	12096	43898	43898	32924	21949	10975	11007	39557	39557	29668	19778	9889	9919
86 30.0 Q(Btu/h) W	52099	52099	39074	26050	13025	13378	48240	48240	36180	24120	12060	12387	43898	43898	32924	21949	10975	11272	39557	39557	29668	19778	9889	10158
82 27.8 Q(Btu/h) W	52099	52099	39074	26050	13025	13692	48240	48240	36180	24120	12060	12678	43898	43898	32924	21949	10975	11537	39557	39557	29668	19778	9889	10396
78 25.6 Q(Btu/h) W	52773	52773	39580	26387	13193	14003	48864	48864	36648	24432	12216	12966	44466	44466	33350	22233	11117	11799	40068	40068	30051	20034	10017	10632
74 23.3 Q(Btu/h) W	52773	52773	39580	26387	13193	14313	48864	48864	36648	24432	12216	13253	44466	44466	33350	22233	11117	12060	40068	40068	30051	20034	10017	10867
70 21.1 Q(Btu/h) W	52825	52825	39619	26412	13206	14621	48912	48912	36684	24456	12228	13538	44510	44510	33382	22255	11127	12319	40108	40108	30081	20054	10027	11101
66 18.9 Q(Btu/h) W	52877	52877	39658	26438	13219	14773	48960	48960	36720	24480	12240	13679	44554	44554	33415	22277	11138	12448	40147	40147	30110	20074	10037	11217
62 16.7 Q(Btu/h) W	52877	52877	39658	26438	13219	15077	48960	48960	36720	24480	12240	13960	44554	44554	33415	22277	11138	12704	40147	40147	30110	20074	10037	11448
58 14.4 Q(Btu/h) W	52877	52877	39658	26438	13219	15238	48960	48960	36720	24480	12240	14109	44554	44554	33415	22277	11138	12839	40147	40147	30110	20074	10037	11569
54 12.2 Q(Btu/h) W	52877	52877	39658	26438	13219	15539	48960	48960	36720	24480	12240	14388	44554	44554	33415	22277	11138	13093	40147	40147	30110	20074	10037	11798
50 10.0 Q(Btu/h) W	52877	52877	39658	26438	13219	15203	48960	48960	36720	24480	12240	14077	44554	44554	33415	22277	11138	12810	40147	40147	30110	20074	10037	11543
46 7.8 Q(Btu/h) W	52877	52877	39658	26438	13219	15013	48960	48960	36720	24480	12240	13901	44554	44554	33415	22277	11138	12650	40147	40147	30110	20074	10037	11399
42 5.6 Q(Btu/h) W	52877	52877	39658	26438	13219	15308	48960	48960	36720	24480	12240	14174	44554	44554	33415	22277	11138	12898	40147	40147	30110	20074	10037	11622
38 3.3 Q(Btu/h) W	52877	52877	39658	26438	13219	15602	48960	48960	36720	24480	12240	14446	44554	44554	33415	22277	11138	13146	40147	40147	30110	20074	10037	11846
34 1.1 Q(Btu/h) W	52877	52877	39658	26438	13219	15896	48960	48960	36720	24480	12240	14719	44554	44554	33415	22277	11138	13394	40147	40147	30110	20074	10037	12070
30 -1.1 Q(Btu/h) W	52877	52877	39658	26438	13219	16191	48960	48960	36720	24480	12240	14991	44554	44554	33415	22277	11138	13642	40147	40147	30110	20074	10037	12293
26 -3.3 Q(Btu/h) W	52877	52877	39658	26438	13219	16485	48960	48960	36720	24480	12240	15264	44554	44554	33415	22277	11138	13890	40147	40147	30110	20074	10037	12517
23 -5.0 Q(Btu/h) W	52877	52877	39658	26438	13219	16780	48960	48960	36720	24480	12240	15537	44554	44554	33415	22277	11138	14138	40147	40147	30110	20074	10037	12740
18 -7.8 Q(Btu/h) W	52877	52877	39658	26438	13219	17074	48960	48960	36720	24480	12240	15809	44554	44554	33415	22277	11138	14386	40147	40147	30110	20074	10037	12964
14 -10.0 Q(Btu/h) W	52877	52877	39658	26438	13219	17368	48960	48960	36720	24480	12240	16082	44554	44554	33415	22277	11138	14634	40147	40147	30110	20074	10037	13187
10 -12.2 Q(Btu/h) W	52877	52877	39658	26438	13219	17663	48960	48960	36720	24480	12240	16354	44554	44554	33415	22277	11138	14882	40147	40147	30110	20074	10037	13411
6 -14.4 Q(Btu/h) W	52877	52877	39658	26438	13219	17957	48960	48960	36720	24480	12240	16627	44554	44554	33415	22277	11138	15130	40147	40147	30110	20074	10037	13634

* It may not reach the above capacities in low ambient temperatures.
* An air outlet guide is needed for ambient temperatures below 41°F.

MXZ-8C48NAHZ
2) HEATING

Rated
 Q(Btu/h): 54000
 W: 4220

Indoor D.B. Outdoor W.B. (°F) (°C)			80°F / 26.7°C					70°F / 21.1°C					60°F / 15.6°C							
			Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.	Max.	Rated	75%	50%	25%	Min.
60	15.6	Q(Btu/h)	42120	42120	31590	21060	-	14570	54000	54000	40500	27000	-	18680	65340	65340	49005	32670	-	22602
		W	2532	2532	2026	1469	-	666	2954	2954	2363	1713	-	777	2110	2110	1688	1224	-	555
55	12.8	Q(Btu/h)	42120	42120	31590	21060	-	13752	54000	54000	40500	27000	-	17631	65340	65340	49005	32670	-	21334
		W	2954	2954	2363	1713	-	706	3271	3271	2616	1897	-	782	2321	2321	1857	1346	-	555
50	10.0	Q(Btu/h)	42120	42120	31590	21060	-	12943	54000	54000	40500	27000	-	16594	65340	65340	49005	32670	-	20079
		W	3165	3165	2532	1836	-	692	3587	3587	2870	2080	-	784	2532	2532	2026	1469	-	553
47	8.3	Q(Btu/h)	42120	42120	31590	21060	-	12461	54000	54000	40500	27000	-	15976	65340	65340	49005	32670	-	19331
		W	3482	3482	2785	2019	-	718	3798	3798	3038	2203	-	784	2743	2743	2194	1591	-	566
42	5.6	Q(Btu/h)	42120	42120	31590	21060	-	11698	54000	54000	40500	27000	-	14997	65340	65340	49005	32670	-	18147
		W	3798	3798	3038	2203	-	702	4220	4220	3376	2448	-	780	2954	2954	2363	1713	-	546
35	1.7	Q(Btu/h)	37066	37066	27799	18533	-	11601	47520	47520	35640	23760	-	14874	57499	57499	43124	28750	-	17997
		W	4220	4220	3376	2448	-	994	4558	4558	3646	2643	-	1073	3376	3376	2701	1958	-	795
32	0.0	Q(Btu/h)	37066	37066	27799	18533	-	10973	47520	47520	35640	23760	-	14068	57499	57499	43124	28750	-	17022
		W	4431	4431	3545	2570	-	1011	4642	4642	3714	2692	-	1059	3482	3482	2785	2019	-	794
27	-2.8	Q(Btu/h)	37487	37487	28115	18743	-	10100	48060	48060	36045	24030	-	12949	58153	58153	43614	29076	-	15668
		W	4558	4558	3646	2643	-	934	4980	4980	3984	2888	-	1021	3693	3693	2954	2142	-	757
22	-5.6	Q(Btu/h)	37908	37908	28431	18954	-	9712	48600	48600	36450	24300	-	12451	58806	58806	44105	29403	-	15066
		W	4980	4980	3984	2888	-	900	5381	5381	4304	3121	-	973	4009	4009	3207	2325	-	725
17	-8.3	Q(Btu/h)	40014	40014	30011	20007	10004	9070	51300	51300	38475	25650	12825	11628	62073	62073	46555	31037	15518	14070
		W	5170	5170	4136	2998	1964	817	5803	5803	4642	3365	2205	917	4473	4473	3579	2594	1700	707
12	-11.1	Q(Btu/h)	40014	40014	30011	20007	10004	7874	51300	51300	38475	25650	12825	10095	62073	62073	46555	31037	15518	12215
		W	5275	5275	4220	3060	2005	707	6330	6330	5064	3671	2405	848	5170	5170	4136	2998	1964	693
5	-15.0	Q(Btu/h)	40014	40014	30011	20007	10004	6259	51300	51300	38475	25650	12825	8025	62073	62073	46555	31037	15518	9710
		W	5381	5381	4304	3121	2045	584	6773	6773	5418	3928	2574	735	6014	6014	4811	3488	2285	652
2	-16.7	Q(Btu/h)	38413	38413	28810	19207	9603	5574	49248	49248	36936	24624	12312	7146	59590	59590	44693	29795	14898	8647
		W	5064	5064	4051	2937	1924	509	6752	6752	5402	3916	2566	679	6330	6330	5064	3671	2405	636
-3	-19.4	Q(Btu/h)	35212	35212	26409	17606	8803	4801	45144	45144	33858	22572	11286	6155	54624	54624	40968	27312	13656	7447
		W	4642	4642	3714	2692	1764	440	6436	6436	5148	3733	2445	609	6647	6647	5317	3855	2526	629
-8	-22.2	Q(Btu/h)	32811	32811	24609	16406	8203	3657	42066	42066	31550	21033	10517	4688	50900	50900	38175	25450	12725	5673
		W	4115	4115	3292	2386	1564	326	6119	6119	4895	3549	2325	485	7069	7069	5655	4100	2686	561
-13	-25.0	Q(Btu/h)	30011	30011	22508	15005	7503	2542	38475	38475	28856	19238	9619	3259	46555	46555	34916	23277	11639	3943
		W	3587	3587	2870	2080	1363	211	5908	5908	4726	3427	2245	348	6752	6752	5402	3916	2566	398

* Above data is for heating operation without any frost.

B. MUTLI-USE

MSZ-EF09NAW
MSZ-EF09NAB
MSZ-EF09NAS

MSZ-EF12NAW
MSZ-EF12NAB
MSZ-EF12NAS

MSZ-EF15NAW
MSZ-EF15NAB
MSZ-EF15NAS

MSZ-EF18NAW
MSZ-EF18NAB
MSZ-EF18NAS

1 | REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. INDOOR UNIT

Model name	Service Ref.	Service Manual No.
MSZ-EF09NAW	MSZ-EF09NAW - U1	OBH736 OBB736A
MSZ-EF12NAW	MSZ-EF12NAW - U1	
MSZ-EF15NAW	MSZ-EF15NAW - U1	
MSZ-EF18NAW	MSZ-EF18NAW - U1	
MSZ-EF09NAB	MSZ-EF09NAB - U1	
MSZ-EF12NAB	MSZ-EF12NAB - U1	
MSZ-EF15NAB	MSZ-EF15NAB - U1	
MSZ-EF18NAB	MSZ-EF18NAB - U1	
MSZ-EF09NAS	MSZ-EF09NAS - U1	
MSZ-EF12NAS	MSZ-EF12NAS - U1	
MSZ-EF15NAS	MSZ-EF15NAS - U1	
MSZ-EF18NAS	MSZ-EF18NAS - U1	

2 | SPECIFICATIONS

2-1. INDOOR UNIT

MSZ-EF09NAW	MSZ-EF12NAW	MSZ-EF15NAW	MSZ-EF18NAW
MSZ-EF09NAB	MSZ-EF12NAB	MSZ-EF15NAB	MSZ-EF18NAB
MSZ-EF09NAS	MSZ-EF12NAS	MSZ-EF15NAS	MSZ-EF18NAS

Indoor unit model		MSZ-EF09NAW MSZ-EF09NAB MSZ-EF09NAS	MSZ-EF12NAW MSZ-EF12NAB MSZ-EF12NAS	MSZ-EF15NAW MSZ-EF15NAB MSZ-EF15NAS	MSZ-EF18NAW MSZ-EF18NAB MSZ-EF18NAS	
Power supply	V, phase, Hz	208/230 , 1 , 60				
Disconnect switch	A	15				
Min. circuit ampacity	A	1.0				
Fan motor	F.L.A	0.67				
Airflow Super high - High - Med. - Low - Quiet	COOL Dry (Wet)	CFM	371 - 293 - 222 - 162 - 141 (319 - 252 - 191 - 140 - 121)	371 - 293 - 222 - 162 - 141 (319 - 252 - 191 - 140 - 121)	364 - 314 - 272 - 233 - 205 (313 - 270 - 234 - 200 - 176)	388 - 328 - 279 - 240 - 205 (334 - 282 - 240 - 206 - 176)
	HEAT Dry	CFM	420 - 314 - 219 - 162 - 141	448 - 314 - 219 - 162 - 141	448 - 350 - 275 - 222 - 194	466 - 392 - 318 - 258 - 226
Moisture removal	pt./h	0.6	2.1	3.6	4.4	
Sound level Super high - High - Med. - Low - Quiet	Cooling	dB(A)	42 - 36 - 29 - 23 - 21	42 - 36 - 29 - 24 - 21	42 - 39 - 35 - 31 - 28	43 - 40 - 36 - 33 - 30
	Heating	dB(A)	45 - 37 - 29 - 24 - 21	46 - 38 - 30 - 24 - 21	48 - 41 - 35 - 30 - 28	49 - 43 - 37 - 33 - 30
Cond. drain connection O.D.	in.	5/8				
Dimensions	W	34-13/16				
	D	in.	7-11/16			
	H	11-3/4				
Weight	lb.	26				
External finish	W: Munsell 1.0Y 9.2/0.2 B: Munsell 3.7PB 2.0/0.1 S: Munsell 3.1PB 8.2/0.2					
Remote controller	Wireless type					
Control voltage (by built-in transformer)	12 - 24 VDC					

NOTE: Test conditions are based on AHRI 210/240.

OPERATING RANGE

(1) POWER SUPPLY

	Rated voltage	Guaranteed voltage (V)
Indoor unit	208/230 V 1 phase 60 Hz	Min. 187 208 230 Max. 253 ----- ----- ----- -----

(2) OPERATION

Mode	Condition	Intake air temperature (°F)			
		Indoor		Outdoor	
		DB	WB	DB	WB
Cooling	Standard temperature	80	67	95	—
	Maximum temperature	90	73	115	—
	Minimum temperature	67	57	14	—
	Maximum humidity	78%		—	
Heating	Standard temperature	70	60	47	43
	Maximum temperature	80	67	75	65
	Minimum temperature	70	60	-13	-14

OUTLET AIR SPEED AND COVERAGE

Model	Mode	Function	Airflow (CFM)	Air speed (ft./s)	Coverage (ft.)
MSZ-EF09NAW MSZ-EF09NAB MSZ-EF09NAS	HEAT	Dry	420	19.5	29.2
	COOL	Dry	371	17.2	25.8
		Wet	319	14.8	22.3
MSZ-EF12NAW MSZ-EF12NAB MSZ-EF12NAS	HEAT	Dry	448	20.8	31.1
	COOL	Dry	371	17.2	25.8
		Wet	319	14.8	22.3
MSZ-EF15NAW MSZ-EF15NAB MSZ-EF15NAS	HEAT	Dry	448	20.8	31.1
	COOL	Dry	364	16.8	25.4
		Wet	313	14.5	21.9
MSZ-EF18NAW MSZ-EF18NAB MSZ-EF18NAS	HEAT	Dry	466	21.6	32.3
	COOL	Dry	388	18.0	27.0
		Wet	334	15.5	23.4

- The air coverage is the figure up to the position where the air speed is 1 ft./s, when air is blown out horizontally from the unit properly at the High speed position.
The coverage should be used only as a general guideline since it varies according to the size of the room and furniture arranged inside the room.

3 | OUTLINES AND DIMENSIONS

3-1. INDOOR UNIT

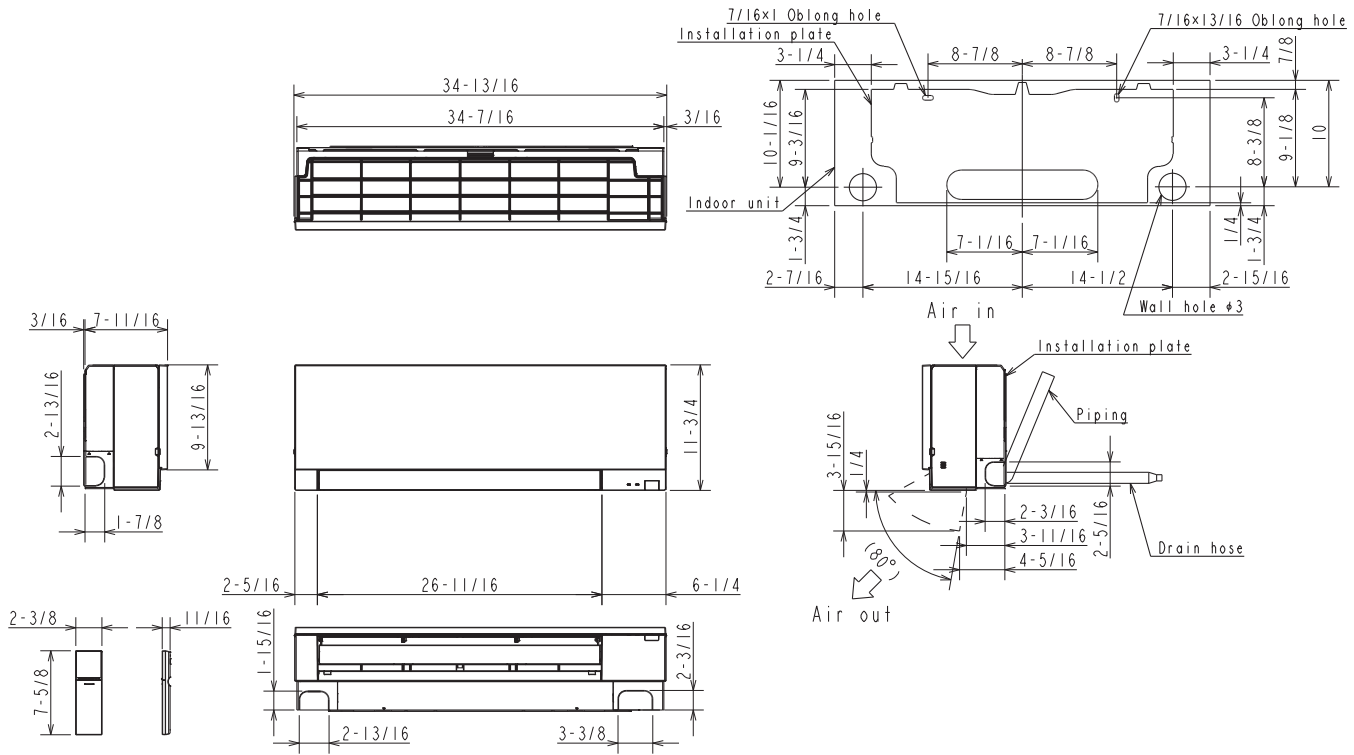
Unit: inch

MSZ-EF09NAW
MSZ-EF09NAB
MSZ-EF09NAS

MSZ-EF12NAW
MSZ-EF12NAB
MSZ-EF12NAS

MSZ-EF15NAW
MSZ-EF15NAB
MSZ-EF15NAS

MSZ-EF18NAW
MSZ-EF18NAB
MSZ-EF18NAS



MSZ-EF09/12NA

Piping	Insulation	φ1-7/16 O.D
	Liquid line	φ1/4 - 19-11/16 (Flared connection φ1/4)
	Gas line	φ3/8 - 16-15/16 (Flared connection φ3/8)
	Drain hose	Instation φ1-1/8 Connected part φ5/8 O.D active length 15-3/8

Note: Extension pipe size refer to the specifications table.

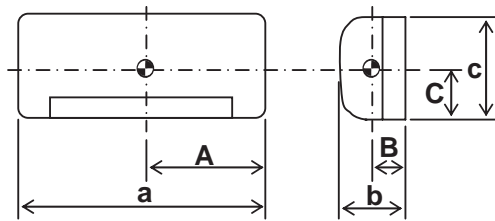
MSZ-EF15/18NA

Piping	Insulation	φ1-7/16 O.D
	Liquid line	φ1/4 - 19-11/16 (Flared connection φ1/4)
	Gas line	φ3/8 - 16-15/16 (Flared connection φ1/2)
	Drain hose	Instation φ1-1/8 Connected part φ5/8 O.D active length 15-3/8

Note: Extension pipe size refer to the specifications table.

4 | POSITION OF THE CENTER OF GRAVITY

4-1. INDOOR UNIT



Unit: inch (mm)

Model name	A	B	C	a	b	c
MSZ-EF09NAW						
MSZ-EF12NAW						
MSZ-EF15NAW						
MSZ-EF18NAW						
MSZ-EF09NAB						
MSZ-EF12NAB	14-1/2	3-15/16	5-5/8	34-13/16	7-11/16	11-3/4
MSZ-EF15NAB	(369)	(100)	(143)	(885)	(195)	(299)
MSZ-EF18NAB						
MSZ-EF09NAS						
MSZ-EF12NAS						
MSZ-EF15NAS						
MSZ-EF18NAS						

5 | WIRING DIAGRAM

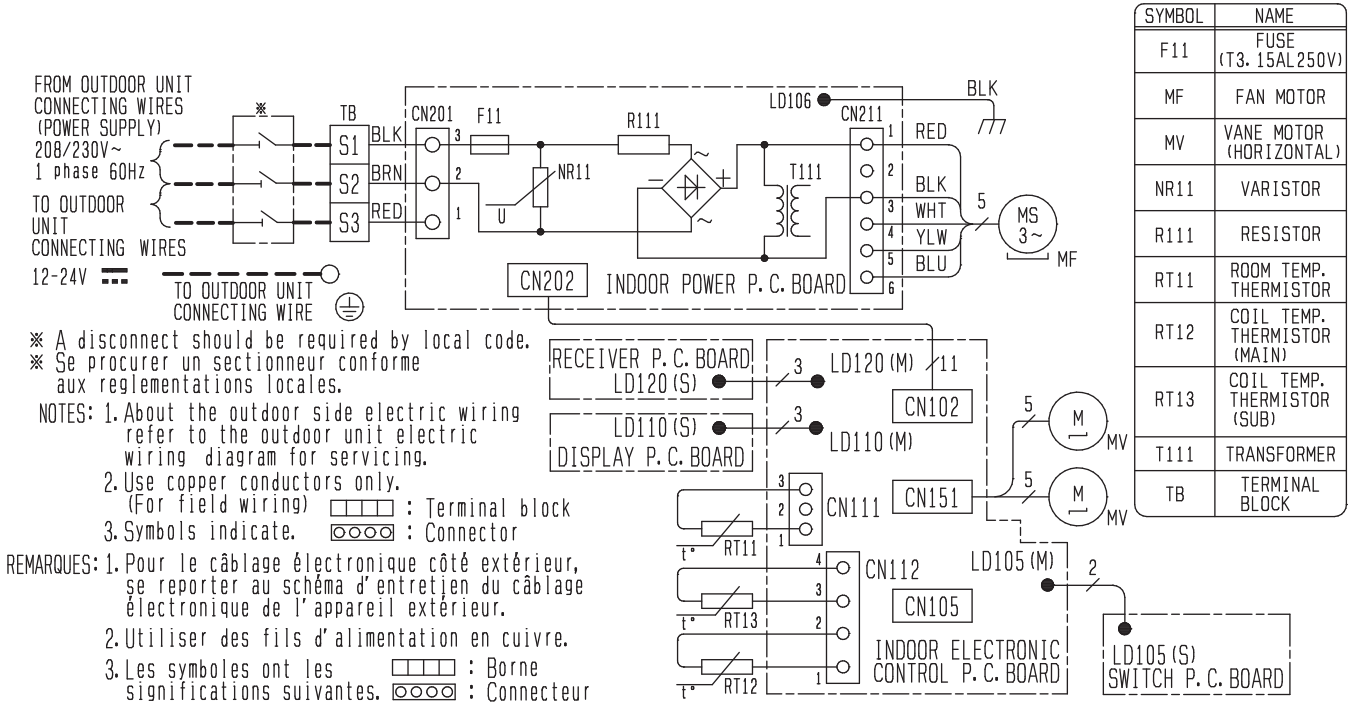
5-1. INDOOR UNIT

MSZ-EF09NAW
MSZ-EF09NAB
MSZ-EF09NAS

MSZ-EF12NAW
MSZ-EF12NAB
MSZ-EF12NAS

MSZ-EF15NAW
MSZ-EF15NAB
MSZ-EF15NAS

MSZ-EF18NAW
MSZ-EF18NAB
MSZ-EF18NAS



6 | REFRIGERANT SYSTEM DIAGRAM

6-1. INDOOR UNIT

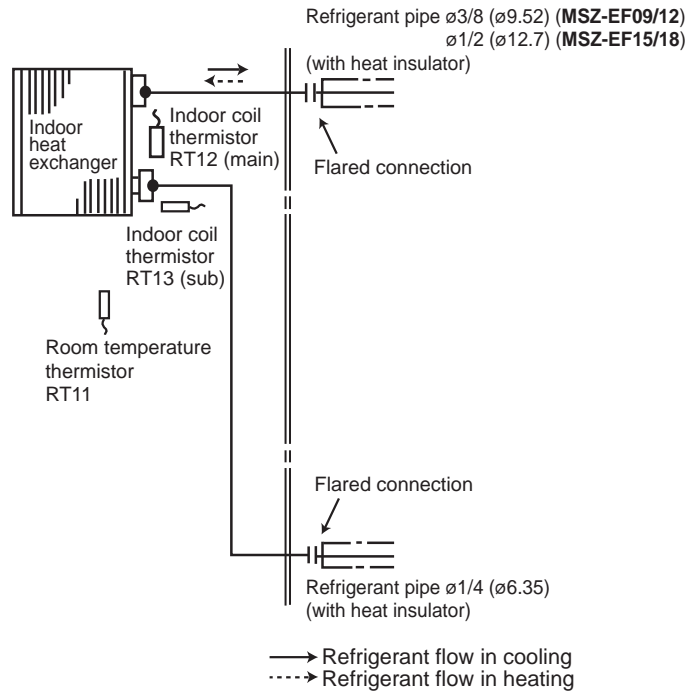
Unit: inch

MSZ-EF09NAW
MSZ-EF09NAB
MSZ-EF09NAS

MSZ-EF12NAW
MSZ-EF12NAB
MSZ-EF12NAS

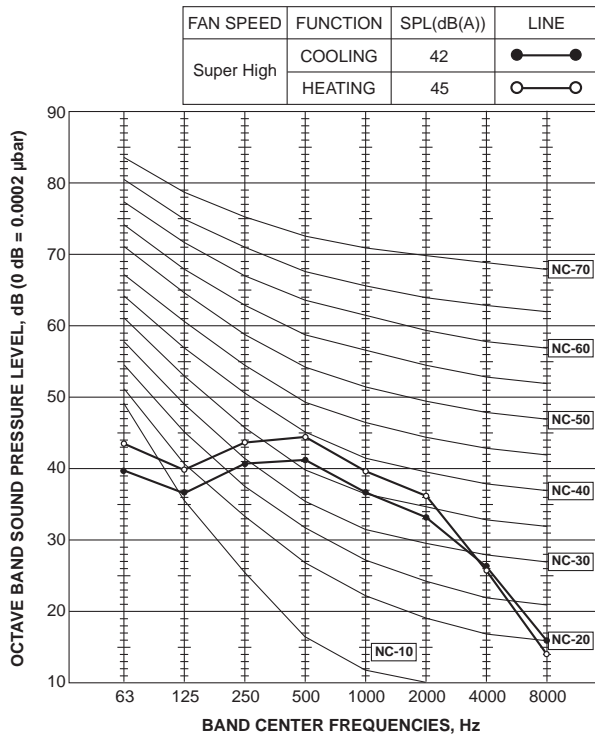
MSZ-EF15NAW
MSZ-EF15NAB
MSZ-EF15NAS

MSZ-EF18NAW
MSZ-EF18NAB
MSZ-EF18NAS

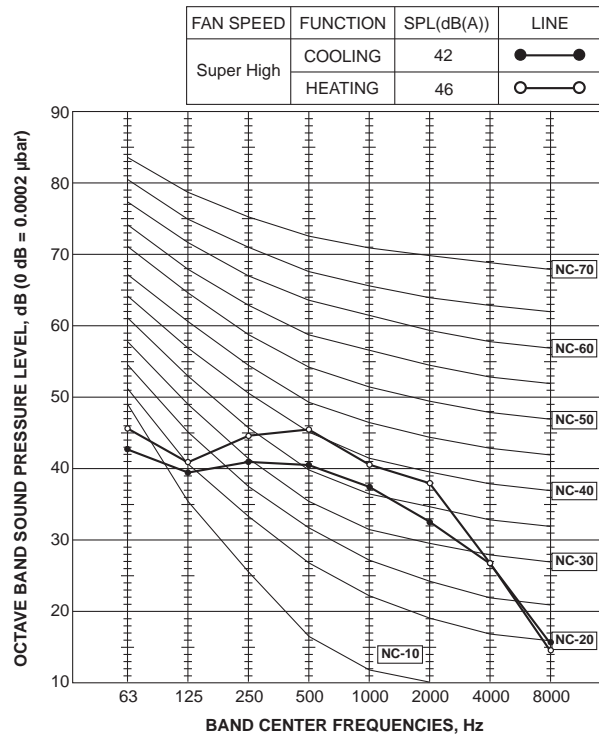


7 | NOISE CRITERION CURVES

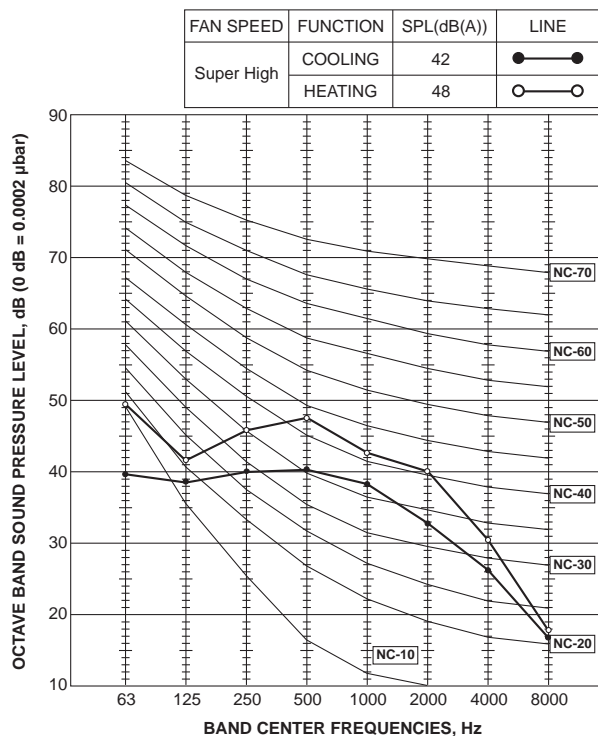
7-1. INDOOR UNIT MSZ-EF09NAW MSZ-EF09NAB MSZ-EF09NAS



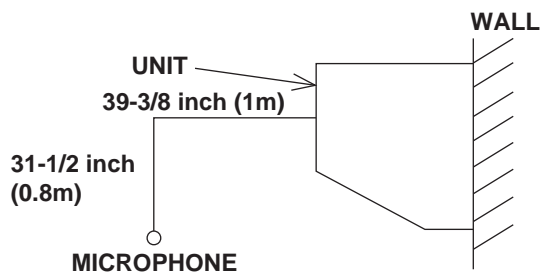
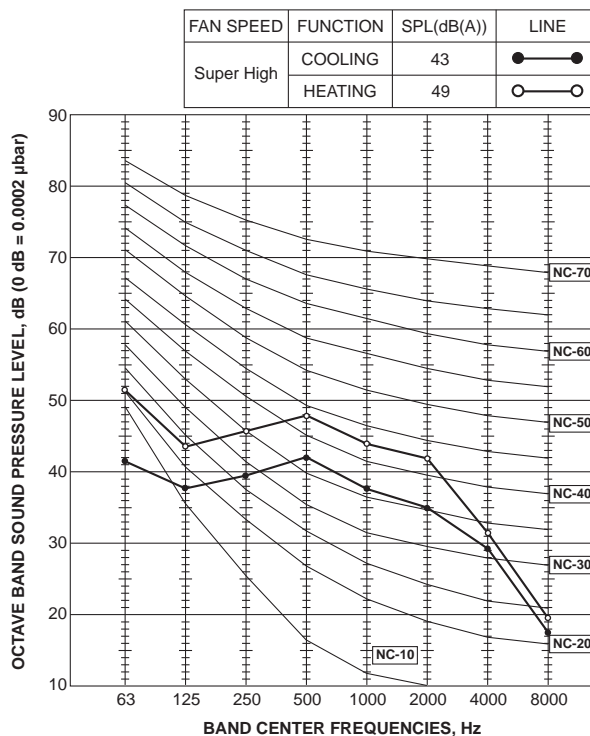
MSZ-EF12NAW MSZ-EF12NAB MSZ-EF12NAS



**MSZ-EF15NAW
MSZ-EF15NAB
MSZ-EF15NAS**



**MSZ-EF18NAW
MSZ-EF18NAB
MSZ-EF18NAS**



NOTE: The sound level is measured in an anechoic room where echoes are few, when compressor stops. The sound may be bigger than displayed level under actual installation condition by surrounding echoes. The sound level can be higher by about 2 dB than the displayed level during cooling and heating operation.

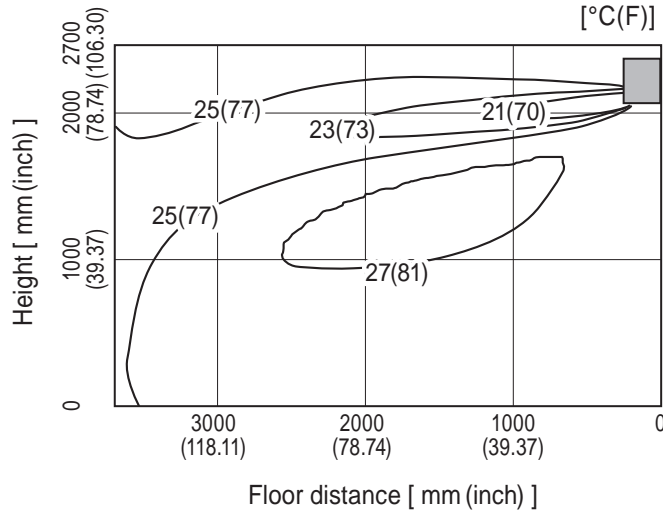
8 | TEMPERATURE AND AIR FLOW DISTRIBUTIONS

MSZ-EF09NA

Temperature distribution

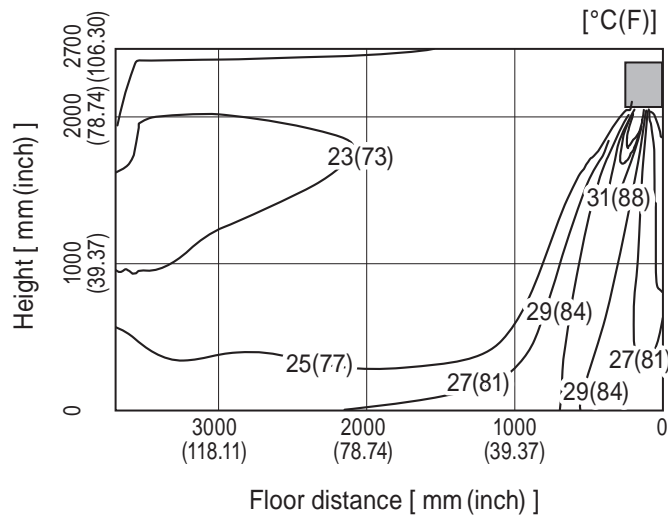
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)



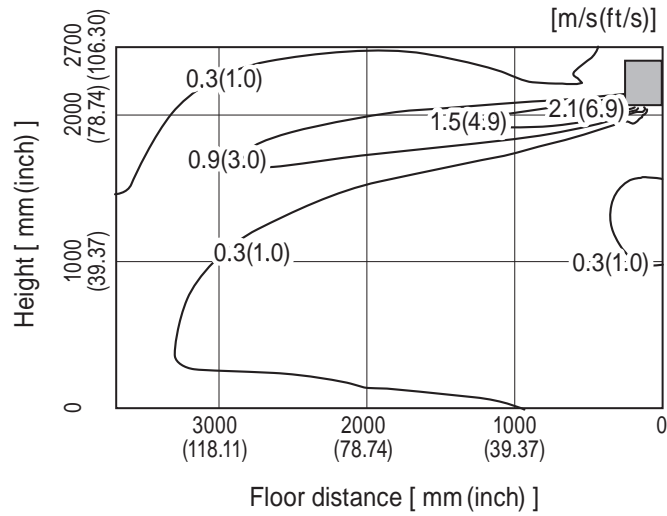
Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

MSZ-EF09NA

Airflow distribution

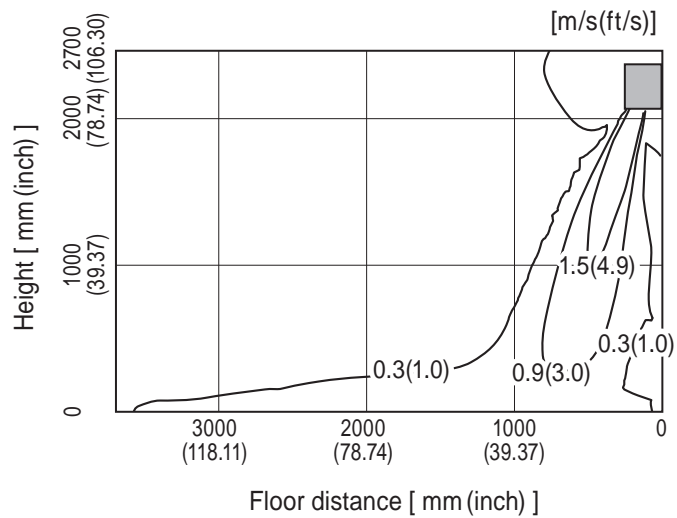
<Cooling mode>

Air volume: high
Air direction: auto (upward air flow)



<Heating mode>

Air volume: high
Air direction: auto (downward air flow)

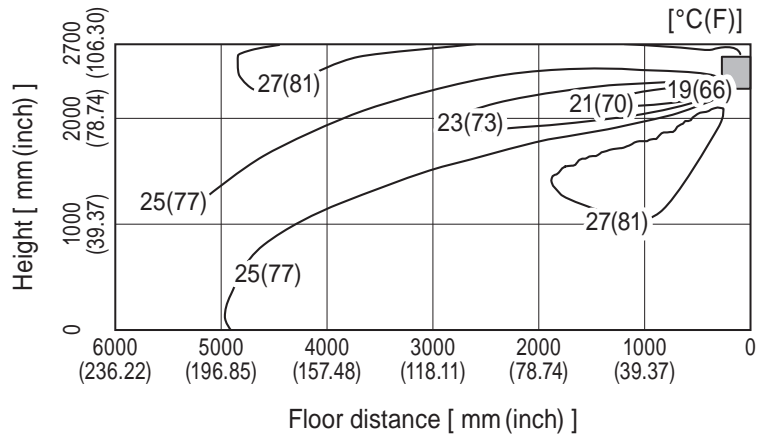


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

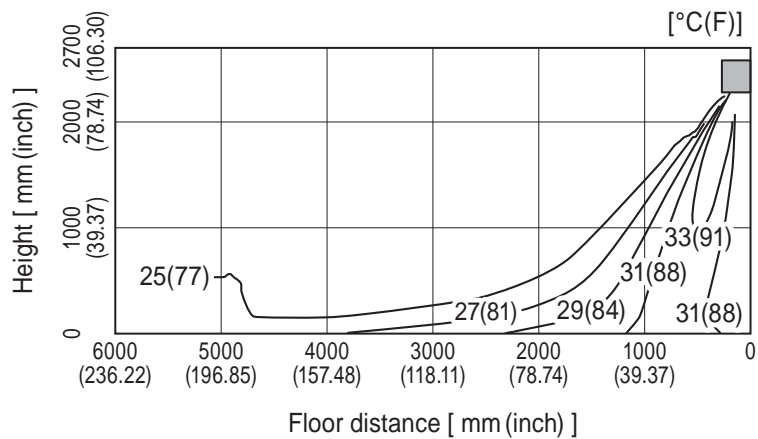
MSZ-EF12NA

Temperature distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: high
 Air direction: auto (downward air flow)

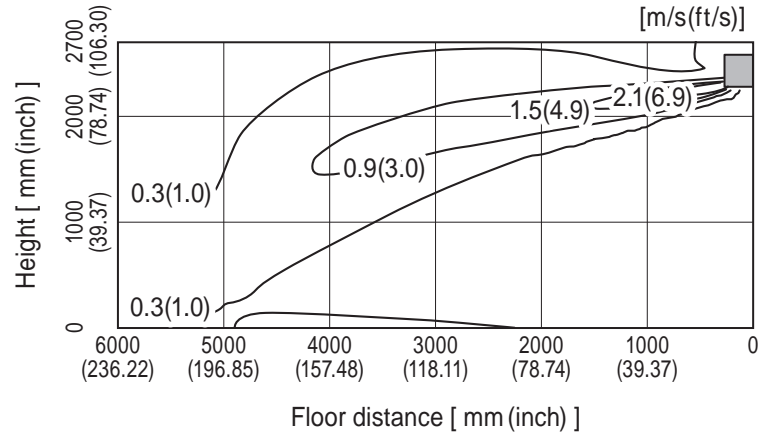


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

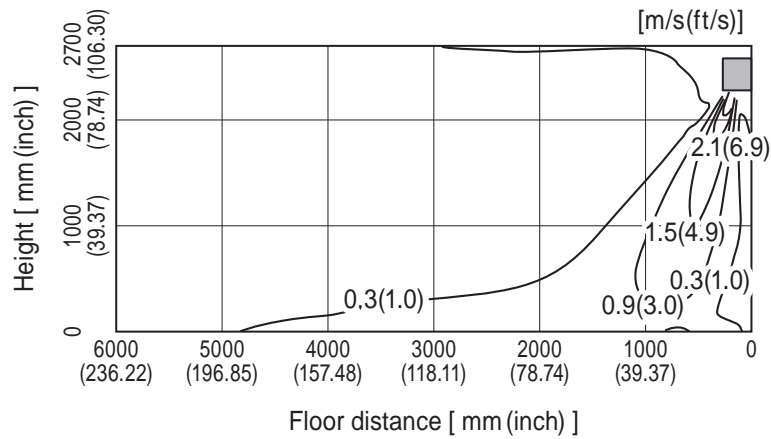
MSZ-EF12NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

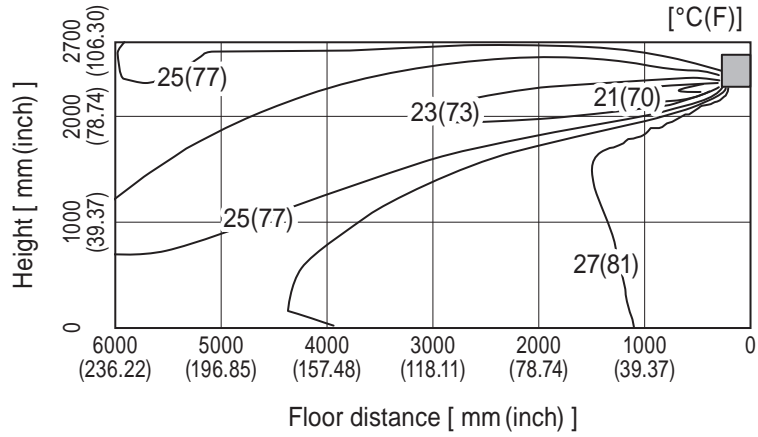


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

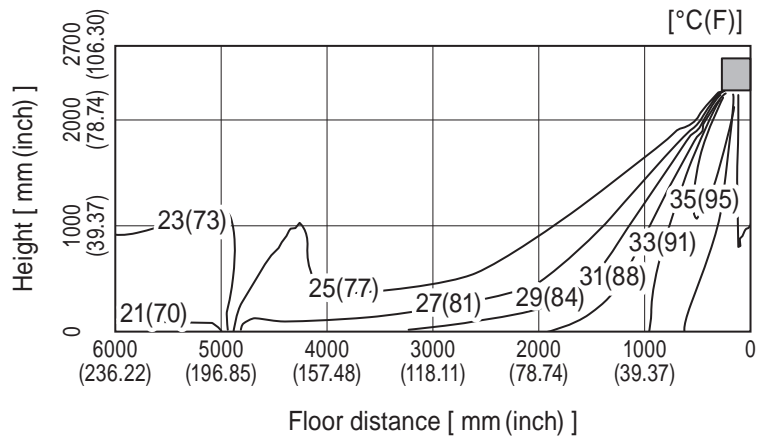
MSZ-EF15NA

Temperature distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

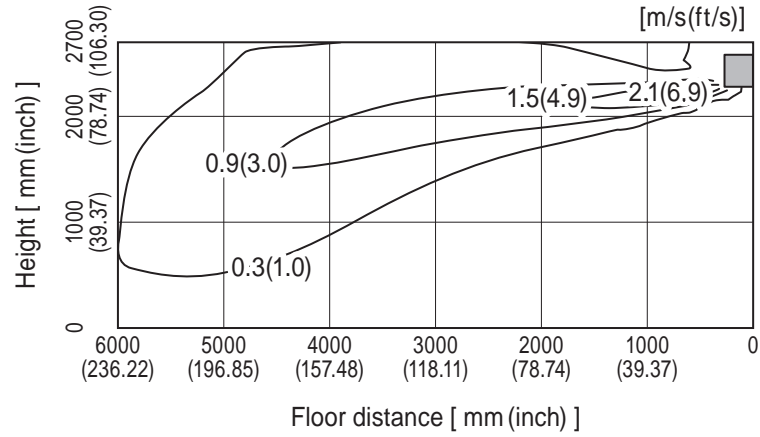


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

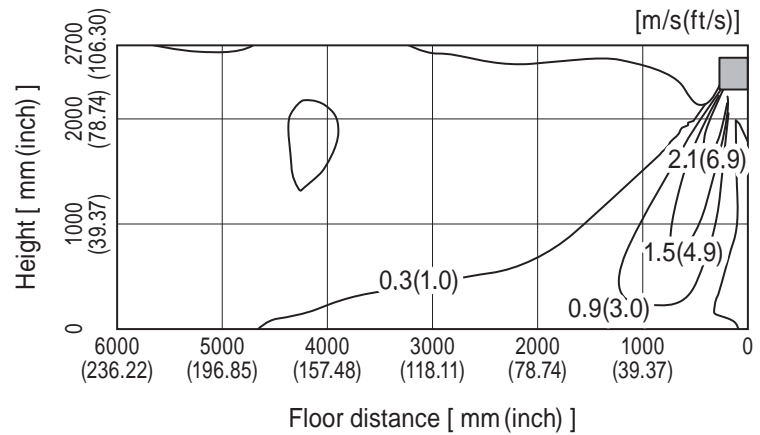
MSZ-EF15NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)

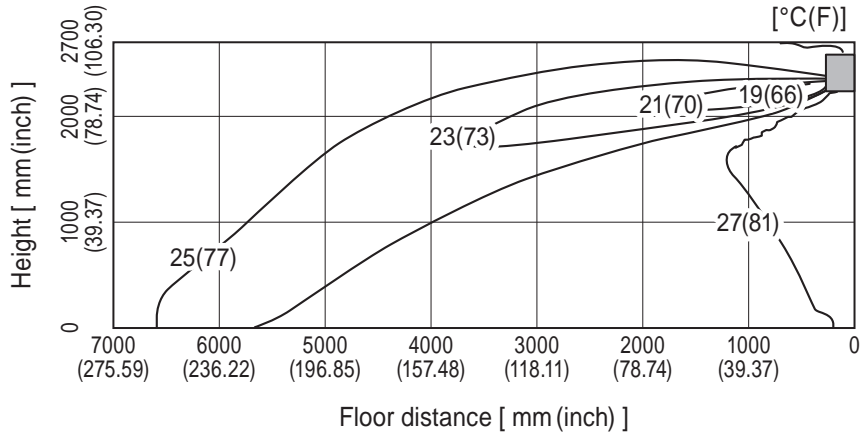


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

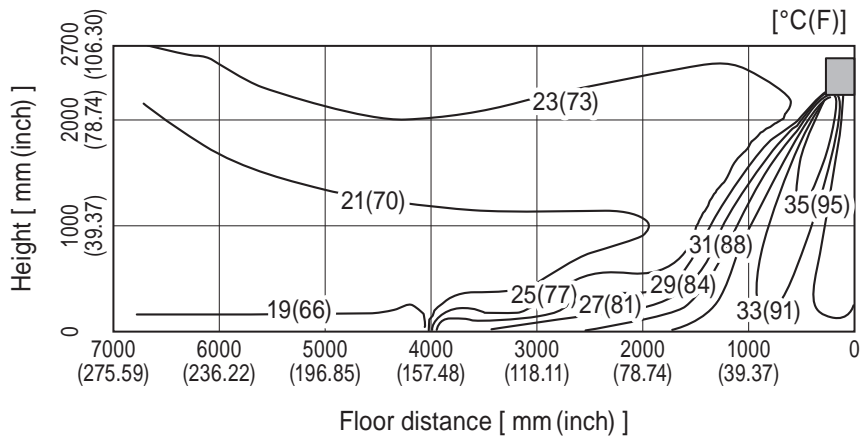
MSZ-EF18NA

Temperature distribution

<Cooling mode> Air volume: high
 Air direction: auto (upward air flow)



<Heating mode> Air volume: high
 Air direction: auto (downward air flow)

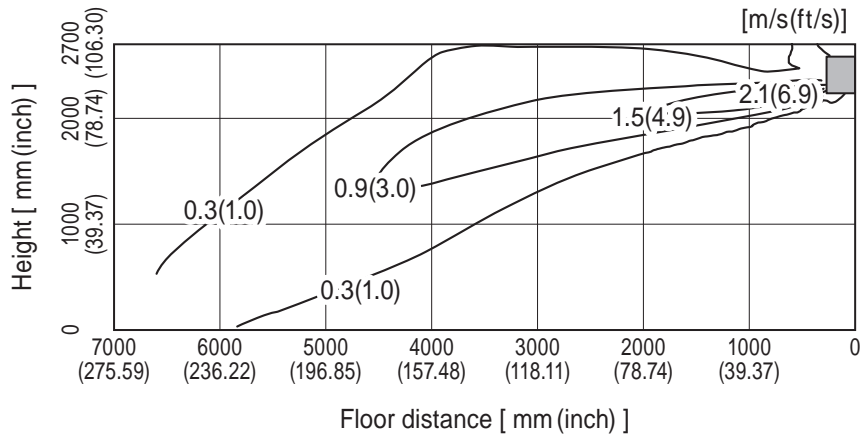


Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

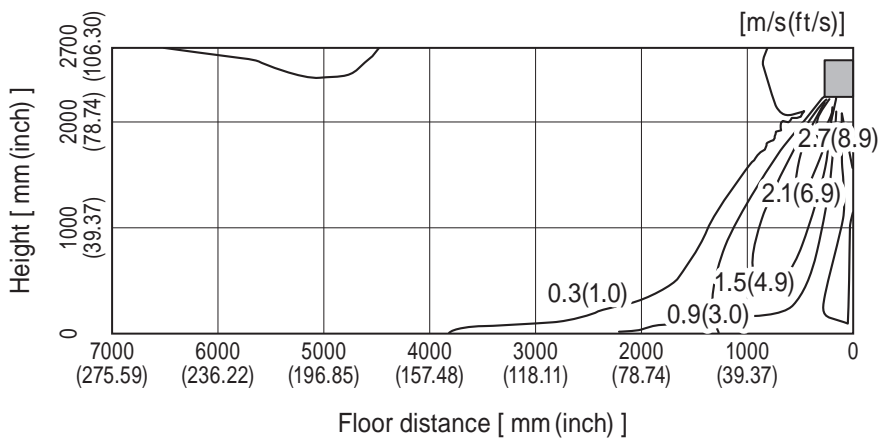
MSZ-EF18NA

Airflow distribution

<Cooling mode> Air volume: high
Air direction: auto (upward air flow)



<Heating mode> Air volume: high
Air direction: auto (downward air flow)



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

B. MUTLI-USE

MVZ-A12AA7 MVZ-A18AA7 MVZ-A24AA7 MVZ-A30AA7 MVZ-A36AA7

1 | REFERENCE SERVICE MANUAL

For information on service, please refer to the service manual as follows.

1-1. INDOOR UNIT

Model name	Service Ref.	Service Manual No.
MVZ-A12AA7 MVZ-A18AA7 MVZ-A24AA7 MVZ-A30AA7 MVZ-A36AA7	MVZ-A12AA7.MX MVZ-A18AA7.MX MVZ-A24AA7.MX MVZ-A30AA7.MX MVZ-A36AA7.MX	MD-1404-K009 MD-1404-K010

2 | SPECIFICATIONS

2-1. INDOOR UNIT MVZ-A12AA7

Power source		1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	12,000	
	*1	kW	3.5	
	*2	Power input kW	0.080	
	*2	Current input A	0.80/0.70	
Heating capacity	*3	BTU/h	13,500	
	*3	kW	4.0	
	*2	Power input kW	0.080	
	*2	Current input A	0.80/0.70	
External dimension HxWxD		inch	50-1/4 x 17 x 21-5/8	
		mm	1,275 x 432 x 548	
Net weight		lbs (kg)	113 (51)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External static press.	in.WG	<0.30> - 0.50 - <0.80>
			Pa	<75> - 125 - <200>
	Motor Type		DC motor	
	Motor output		kW	0.121
	Air flow rate (Low-Mid-High)	cfm		280 - 340 - 400
		m ³ /min		7.9 - 9.6 - 11.3
		L/s		132 - 160 - 188
Sound pressure level (Low-Mid-High)		*2 dB <A>	27-31-35	
Protection device		Fuse		
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	1/4 (6.35)Flare	
	Gas (R410A)	inch (mm)	1/2 (12.7)Flare	
Field drain pipe size		inch (mm)	3/4 (19.05) FPT	

NOTE:

*1.Nominal cooling conditions

Indoor: 80°F D.B./67°F W.B. (26.7 °C D.B./19.4 °C W.B.), Outdoor: 95°F D.B. (35 °C D.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*2.The values are measured at the factory setting of external static pressure.

*3.Nominal heating conditions

Indoor: 70°F D.B. (21.1 °C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3 °C D.B./6.1 °C W.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*4.The factory setting of external static pressure is shown without < >.

Refer to "AIR FLOW DATA", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

MVZ-A18AA7

Power source			1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	18,000	
	*1	kW	5.3	
	*2	Power input kW	0.130	
	*2	Current input A	1.20/1.10	
Heating capacity	*3	BTU/h	20,000	
	*3	kW	5.9	
	*2	Power input kW	0.130	
	*2	Current input A	1.20/1.10	
External dimension HxWxD		inch	50-1/4 x 17 x 21-5/8	
		mm	1,275 x 432 x 548	
Net weight		lbs (kg)	113 (51)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External static press.	in.WG Pa	
			<0.30> - 0.50 - <0.80> <75> - 125 - <200>	
	Motor Type		DC motor	
	Motor output		kW 0.121	
	Air flow rate (Low-Mid-High)		cfm	410 - 497 - 585
			m ³ /min L/s	11.6 - 14.1 - 16.6 193 - 235 - 277
Sound pressure level (Low-Mid-High)		*2 dB <A>	28-32-36	
Protection device			Fuse	
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	1/4 (6.35)Flare	
	Gas (R410A)	inch (mm)	1/2 (12.7)Flare	
Field drain pipe size		inch (mm)	3/4 (19.05) FPT	

NOTE:

*1.Nominal cooling conditions

Indoor: 80°F D.B./67°F W.B. (26.7 °C D.B./19.4 °C W.B.), Outdoor: 95 °F D.B. (35 °C D.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*2.The values are measured at the factory setting of external static pressure.

*3.Nominal heating conditions

Indoor: 70°F D.B. (21.1 °C D.B.), Outdoor: 47 °F D.B./43 °F W.B. (8.3 °C D.B./6.1 °C W.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*4.The factory setting of external static pressure is shown without < >.

Refer to "AIR FLOW DATA", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

MVZ-A24AA7

Power source		1-phase 208/230 V 60 Hz		
Cooling capacity	*1	BTU/h	24,000	
	*1	kW	7.0	
	*2	Power input kW	0.180	
	*2	Current input A	1.60/1.40	
Heating capacity	*3	BTU/h	27,000	
	*3	kW	7.9	
	*2	Power input kW	0.180	
	*2	Current input A	1.60/1.40	
External dimension HxWxD		inch	50-1/4 x 17 x 21-5/8	
		mm	1,275 x 432 x 548	
Net weight		lbs (kg)	113 (51)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)		
FAN	Type x Quantity		Sirocco fan x 1	
	*4	External static press.	in.WG	<0.30> - 0.50 - <0.80>
			Pa	<75> - 125 - <200>
	Motor Type		DC motor	
		Motor output	kW	0.121
	Air flow rate (Low-Mid-High)		cfm	515 - 625 - 735
			m ³ /min	14.6 - 17.7 - 20.8
			L/s	243 - 295 - 347
Sound pressure level (Low-Mid-High)		*2 dB <A>	30-34-38	
Protection device		Fuse		
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	3/8 (9.52)Flare	
	Gas (R410A)	inch (mm)	5/8 (15.88)Flare	
Field drain pipe size		inch (mm)	3/4 (19.05) FPT	

NOTE:

*1.Nominal cooling conditions

Indoor: 80°F D.B./67 ° F.W.B. (26.7 ° C D.B./19.4 ° C W.B.), Outdoor: 95 ° F D.B. (35 ° C D.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*2.The values are measured at the factory setting of external static pressure.

*3.Nominal heating conditions

Indoor: 70°F D.B. (21.1 ° C D.B.), Outdoor: 47 ° F D.B./43 ° F W.B. (8.3 ° C D.B./6.1 ° C W.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*4.The factory setting of external static pressure is shown without < >.

Refer to "AIR FLOW DATA", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

MVZ-A30AA7

Power source			1-phase 208/230 V 60 Hz
Cooling capacity	*1	BTU/h	30,000
	*1	kW	8.8
*2 Power input			0.210
	*2	Current input	A
			2.00/1.70
Heating capacity	*3	BTU/h	34,000
	*3	kW	10.0
*2 Power input			0.210
	*2	Current input	A
			2.00/1.70
External dimension HxWxD		inch	54-1/4 x 21 x 21-5/8
		mm	1,378 x 534 x 548
Net weight		lbs (kg)	141 (64)
Heat exchanger			Cross fin (Aluminum fin and copper tube)
FAN	Type x Quantity		Sirocco fan x 1
	*4	External static press.	in.WG
			Pa
	Motor Type		DC motor
	Motor output		kW
			0.244
	Air flow rate (Low-Mid-High)	cfm	
m ³ /min		17.3 - 21.1 - 24.8	
		L/s	288 - 352 - 413
Sound pressure level (Low-Mid-High)		*2 dB <A>	32-36-40
Protection device			Fuse
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	3/8 (9.52)Flare
	Gas (R410A)	inch (mm)	5/8 (15.88)Flare
Field drain pipe size		inch (mm)	3/4 (19.05) FPT

NOTE:

*1.Nominal cooling conditions

Indoor: 80° FD.B./67 °FW.B. (26.7 °CD.B./19.4 °CW.B.), Outdoor: 95 °FD.B. (35 °CD.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*2.The values are measured at the factory setting of external static pressure.

*3.Nominal heating conditions

Indoor: 70° FD.B. (21.1 °CD.B.), Outdoor: 47 °FD.B./43 °FW.B. (8.3 °CD.B./6.1 °CW.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*4.The factory setting of external static pressure is shown without < >.

Refer to "AIR FLOW DATA", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

MVZ-A36AA7

Power source		1-phase 208/230 V 60 Hz	
Cooling capacity	*1	BTU/h	36,000
	*1	kW	10.6
*2 Power input			0.340
	*2	Current input	A
		3.00/2.70	
Heating capacity	*3	BTU/h	40,000
	*3	kW	11.7
*2 Power input			0.340
	*2	Current input	A
		3.00/2.70	
External dimension HxWxD		inch	54-1/4 x 21 x 21-5/8
		mm	1,378 x 534 x 548
Net weight		lbs (kg)	141 (64)
Heat exchanger		Cross fin (Aluminum fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 1
	*4	External static press.	in.WG
			Pa
			<0.30> - 0.50 - <0.80>
			<75> - 125 - <200>
	Motor Type		DC motor
	Motor output		kW
		0.244	
Air flow rate		cfm	
(Low-Mid-High)		m ³ /min	
		L/s	
		767 - 931 - 1,095	
		21.7 - 26.4 - 31.0	
		362 - 440 - 517	
Sound pressure level		*2	dB <A>
(Low-Mid-High)		35-39-43	
Protection device		Fuse	
Diameter of refrigerant pipe	Liquid (R410A)	inch (mm)	3/8 (9.52)Flare
	Gas (R410A)	inch (mm)	5/8 (15.88)Flare
Field drain pipe size		inch (mm)	3/4 (19.05) FPT

NOTE:

*1.Nominal cooling conditions

Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*2.The values are measured at the factory setting of external static pressure.

*3.Nominal heating conditions

Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

Pipe length: 25 ft. (7.6 m), Level difference: 0 ft. (0 m)

*4.The factory setting of external static pressure is shown without < >.

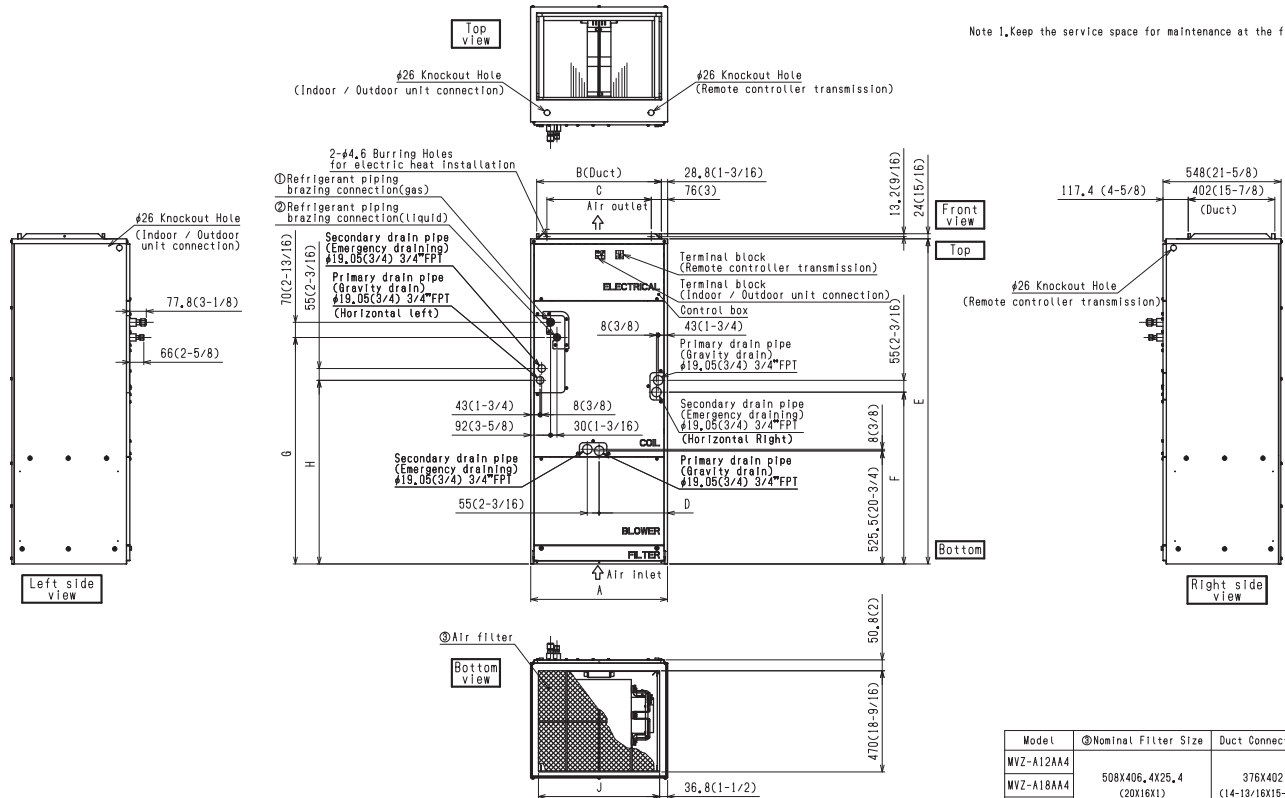
Refer to "AIR FLOW DATA", according to the external static pressure, in DATA BOOK for the usable range of air flow rate.

3 | OUTLINES AND DIMENSIONS

3-1. INDOOR UNIT

MVZ-A12AA7 MVZ-A18AA7 MVZ-A24AA7 MVZ-A30AA7 MVZ-A36AA7

Unit: inch



Note 1, Keep the service space for maintenance at the front.

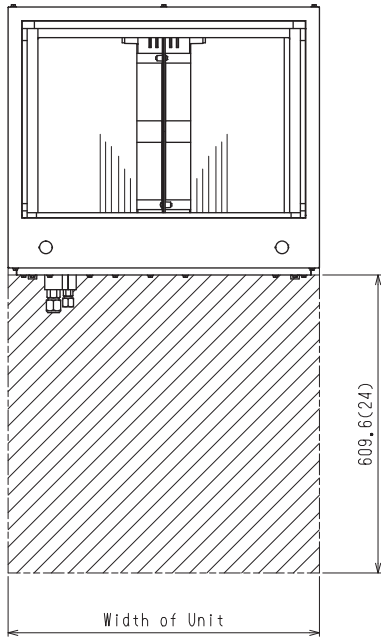
Unit:mm(in.)

Model	A	B	C	D	E	F	G	H	J	①Gas pipe	②Liquid pipe
MVZ-A12AA7	432	376	281	224	1275	680	823	735.5	360	①12.7 (1/2)	②6.35 (1/4)
MVZ-A18AA7	(17)	(14-13/16)	(11-1/8)	(8-7/8)	(50-1/4)	(26-13/16)	(32-7/16)	(29)	(14-3/16)		
MVZ-A24AA7											
MVZ-A30AA7	534	477	382.6	266.5	1378	737	953.5	792	461	①15.88 (5/8)	②9.52 (3/8)
MVZ-A36AA7	(21)	(18-13/16)	(15-1/8)	(10-1/2)	(54-1/4)	(28-1/16)	(37-9/16)	(31-3/16)	(18-3/16)		

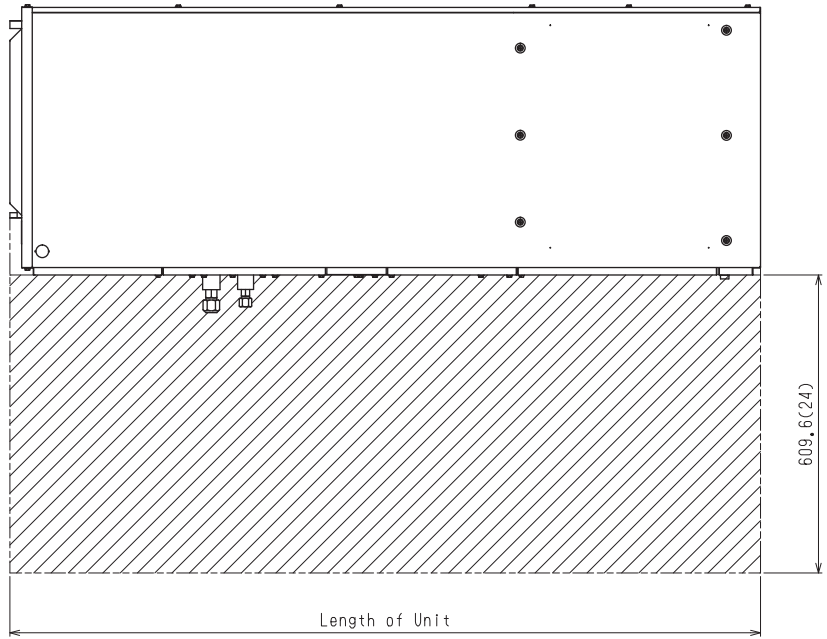
Model	①Nominal Filter Size	Duct Connection
MVZ-A12AA4		
MVZ-A18AA4	508X406, 4X25.4 (20X16X1)	376X402 (14-13/16X15-7/8)
MVZ-A24AA4		
MVZ-A30AA4	508X508X25.4 (20X20X1)	477X402 (18-13/16X15-7/8)
MVZ-A36AA4		

MVZ-A12AA7 MVZ-A18AA7 MVZ-A24AA7 MVZ-A30AA7 MVZ-A36AA7

Clearance Area



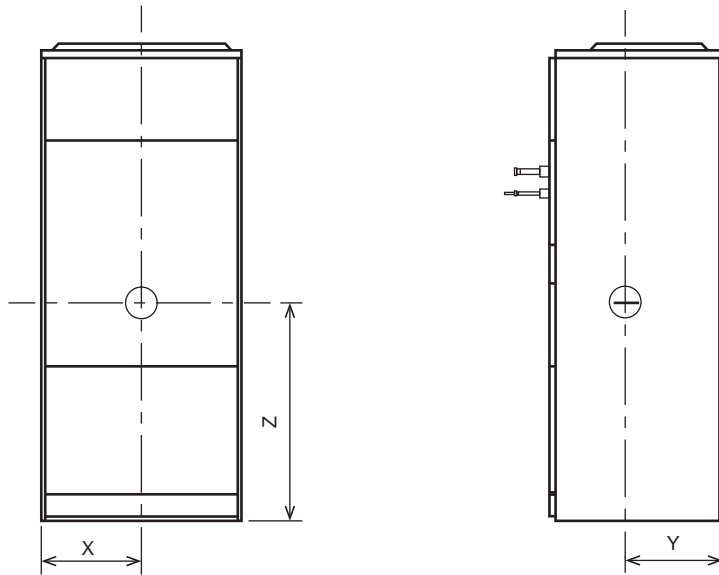
Vertical Installation



Horizontal Installation

4 | POSITION OF THE CENTER OF GRAVITY

4-1. INDOOR UNIT



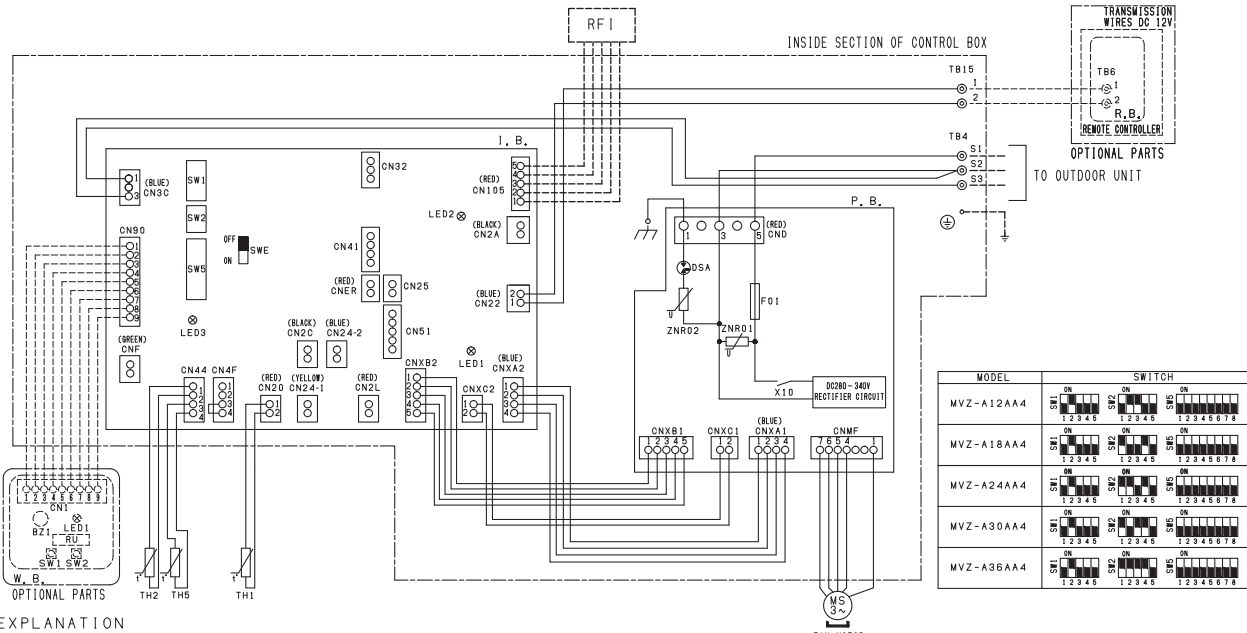
Unit: inch (mm)

Model name	X	Y	Z
MVZ-A12AA7	8-7/8	11-1/4	24-1/16
MVZ-A18AA7	(225)	(285)	(610)
MVZ-A24AA7			
MVZ-A30AA7	11-1/16	11-7/16	26
MVZ-A36AA7	(280)	(290)	(660)

5 | WIRING DIAGRAM

5-1. INDOOR UNIT

MVZ-A12AA7 MVZ-A18AA7 MVZ-A24AA7 MVZ-A30AA7 MVZ-A36AA7



MODEL	SWITCH		
MVZ-A12AA4	SW1 1 2 3 4 5	SW2 1 2 3 4 5	SW3 1 2 3 4 5 6 7 8
MVZ-A18AA4	SW1 1 2 3 4 5	SW2 1 2 3 4 5	SW3 1 2 3 4 5 6 7 8
MVZ-A24AA4	SW1 1 2 3 4 5	SW2 1 2 3 4 5	SW3 1 2 3 4 5 6 7 8
MVZ-A30AA4	SW1 1 2 3 4 5	SW2 1 2 3 4 5	SW3 1 2 3 4 5 6 7 8
MVZ-A36AA4	SW1 1 2 3 4 5	SW2 1 2 3 4 5	SW3 1 2 3 4 5 6 7 8

SYMBOL EXPLANATION

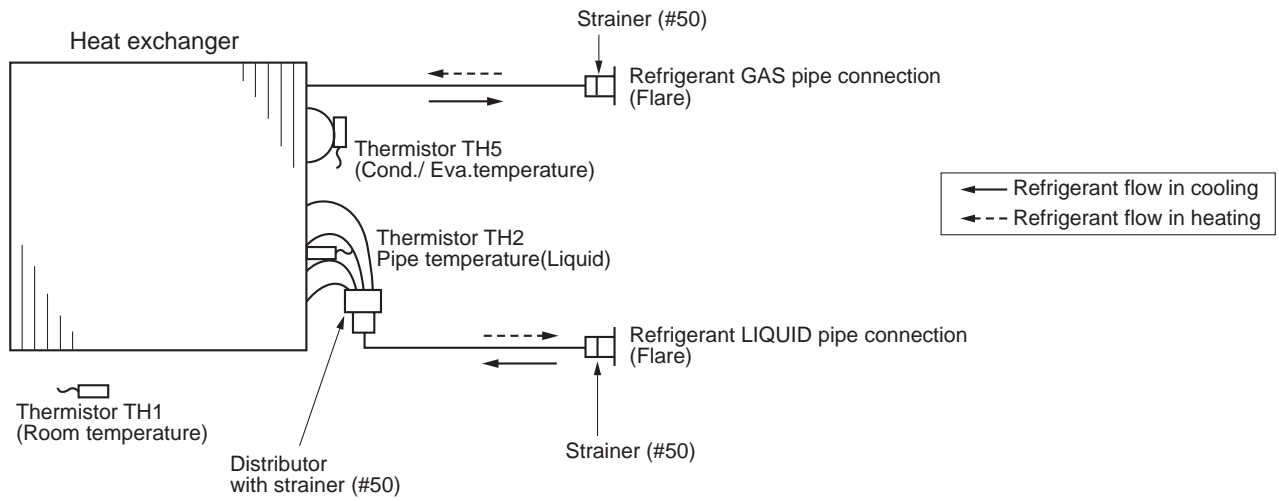
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I. B.	INDOOR CONTROLLER BOARD	I. B.	INDOOR CONTROLLER BOARD	W. B.	IR WIRELESS REMOTE CONTROLLER BOARD
CN24-1	CONNECTOR (HEATER CONTROL 1ST)	SW1	SWITCH (FOR MODEL SELECTION)	RU	RECEIVING UNIT
CN24-2	CONNECTOR (HEATER CONTROL 2ND)	SW2	SWITCH (FOR CAPACITY CODE)	BZ1	BUZZER
CN25	CONNECTOR (HUMIDITY OUTPUT)	SW5	SWITCH (FOR MODE SELECTION)	LED1	LED(CRUN INDICATOR)
CN2A	CONNECTOR (CO-10V ANALOG INPUT)	SWE	CONNECTOR (EMERGENCY OPERATION)	SW1	SWITCH(HEATING ON/OFF)
CN2C	CONNECTOR (ERV OUTPUT)	P. B.	POWER SUPPLY BOARD	SW2	SWITCH(COOLING ON/OFF)
CN2L	CONNECTOR (LOSSNAY)	F01	FUSE AC250V 6,3A	R. B.	WIRED REMOTE CONTROLLER BOARD
CN32	CONNECTOR (REWOTE SWITCH)	ZNR01,02	VARIATOR	TB6	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)
CN41	CONNECTOR (HA TERMINAL-A)	DSA	ARRRESTOR		
CN51	CONNECTOR (CENTRALLY CONTROL)	X10	AUX. RELAY		
CN90	CONNECTOR (WIRELESS)	TH1	INTAKE AIR TEMP. THERMISTOR		
CN105	CONNECTOR (RADIO FREQUENCY INTERFACE)	TH2	PIPE TEMP. THERMISTOR/LIQUID		
CNER	CONNECTOR (ERV INPUT)	TH5	COND./EVA. TEMP. THERMISTOR		
CNF	CONNECTOR (HUMIDITY INPUT)	TB4	TERMINAL BLOCK (INDOOR/OUTDOOR CONNECTING LINE)		
LED1	LED(POWER SUPPLY)	TB15	TERMINAL BLOCK (REMOTE CONTROLLER TRANSMISSION LINE)		
LED2	LED(REMOTE CONTROLLER SUPPLY)	RF1	RADIO FREQUENCY INTERFACE FOR RF THERMOSTAT		
LED3	LED(TRANSMISSION INDOOR-OUTDOOR)				

- Note1. Since the outdoor side electric wiring may change be sure to check the outdoor unit electric wiring for servicing.
2. Indoor and outdoor connecting wires are made with polarities, make wiring matching terminal numbers (S1, S2, S3).
3. Symbols used in wiring diagram above are as follows.
- ⊙ : TERMINAL
 - (HEAVY DOTTED LINE): FIELD WIRING
 - (THIN DOTTED LINE): OPTIONAL PARTS
4. Use copper supply wire.
UTILISER DES FILS D'ALIMENTATION EN CUIVRE.

6 | REFRIGERANT SYSTEM DIAGRAM

6-1. INDOOR UNIT

MVZ-A12AA7 MVZ-A18AA7 MVZ-A24AA7 MVZ-A30AA7 MVZ-A36AA7



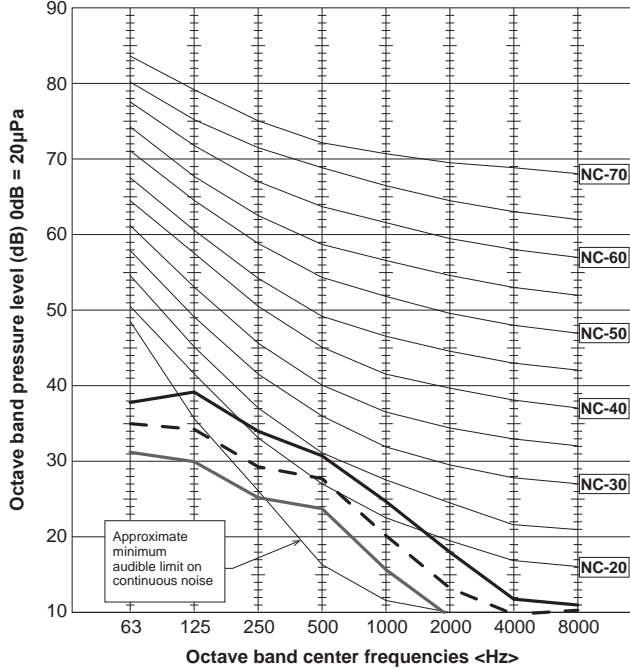
7 | NOISE CRITERION CURVES

7-1. INDOOR UNIT

MVZ-A12AA7

Condition	A scale	LINE
High	32.0	—
Middle	28.0	- - -
Low	24.0	—

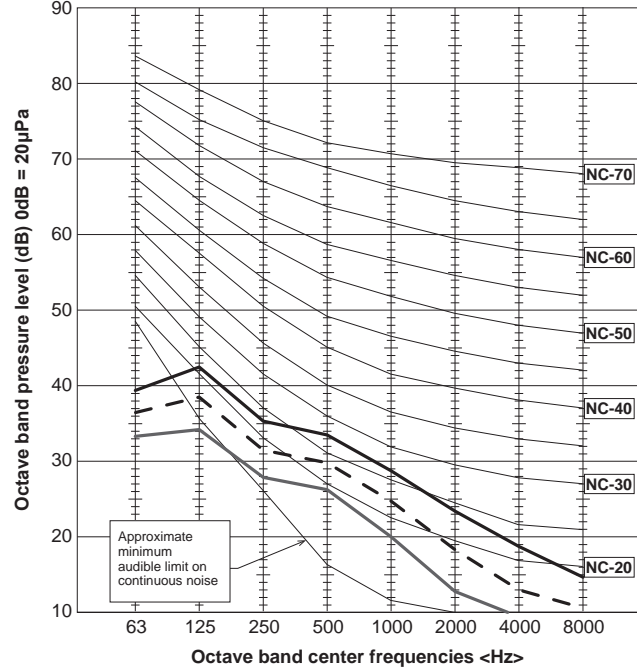
External Static Pressure: 75Pa



MVZ-A12AA7

Condition	A scale	LINE
High	35.0	—
Middle	31.0	- - -
Low	27.0	—

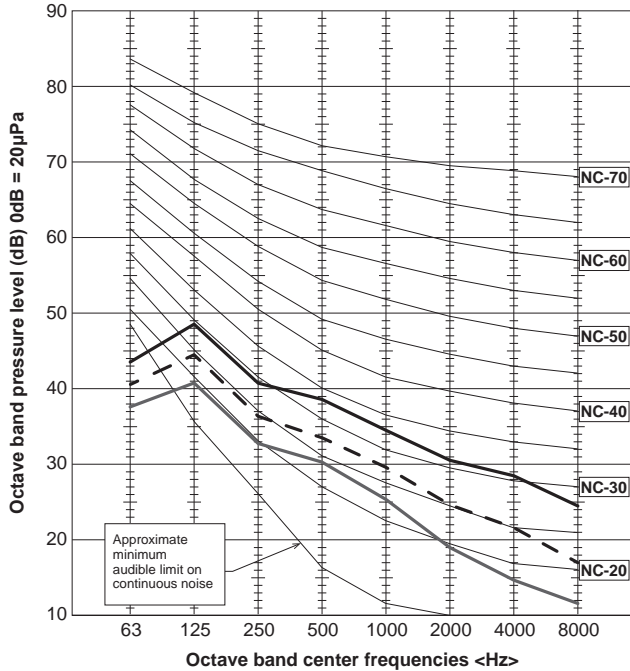
External Static Pressure: 125Pa



MVZ-A12AA7

Condition	A scale	LINE
High	41.0	—
Middle	36.0	- - -
Low	32.0	—

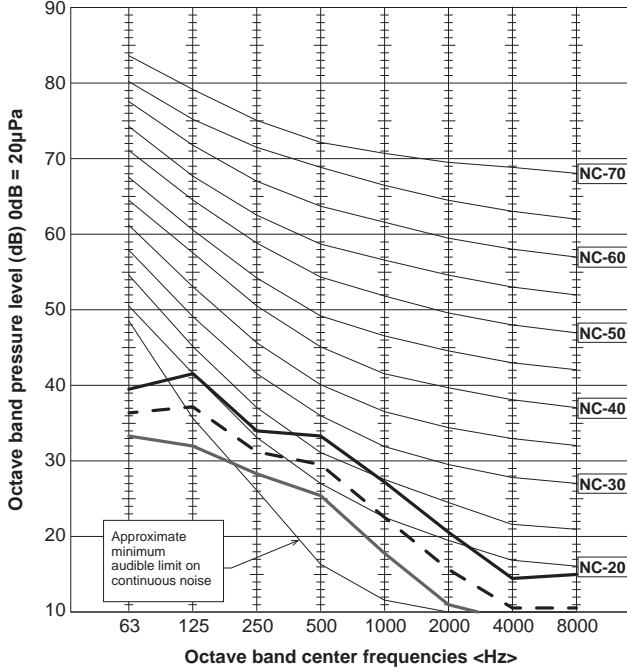
External Static Pressure: 200Pa



MVZ-A18AA7

Condition	A scale	LINE
High	34.0	—
Middle	30.0	- - -
Low	26.0	—

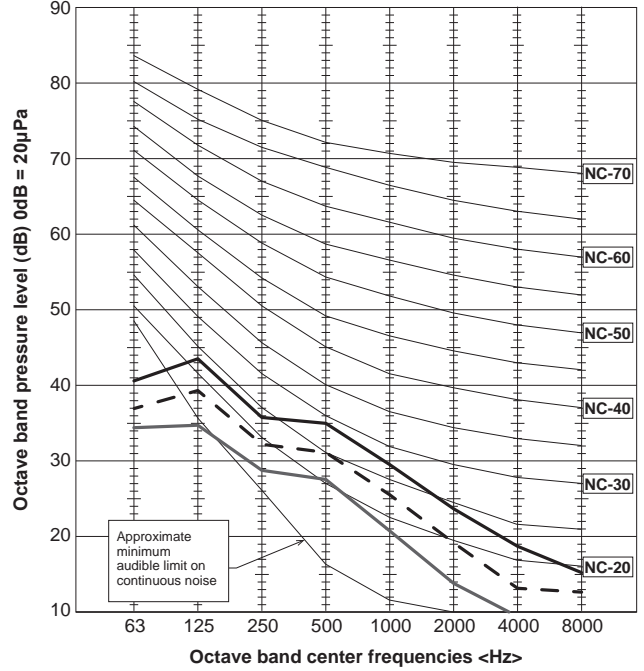
External Static Pressure: 75Pa



MVZ-A18AA7

Condition	A scale	LINE
High	36.0	—
Middle	32.0	- - -
Low	28.0	—

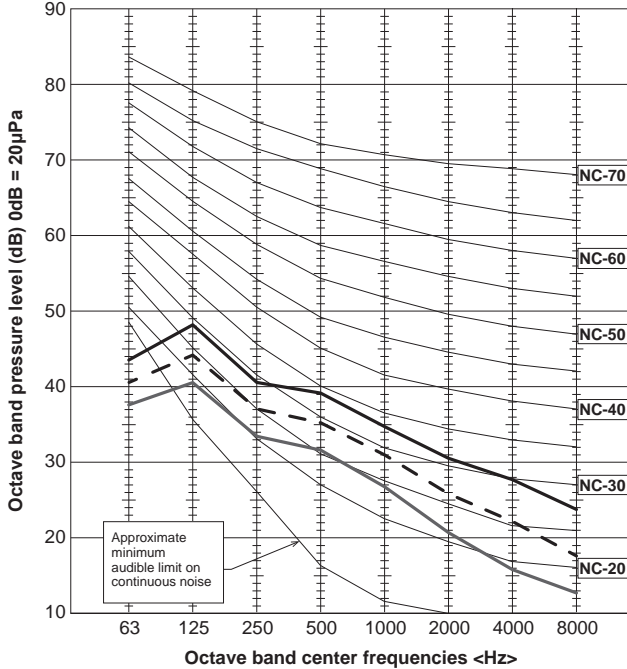
External Static Pressure: 125Pa



MVZ-A18AA7

Condition	A scale	LINE
High	41.0	—
Middle	37.0	- - -
Low	33.0	—

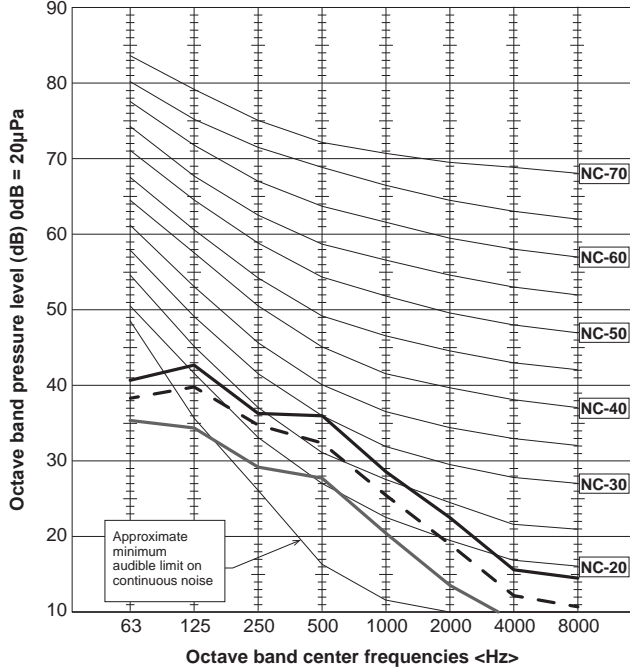
External Static Pressure: 200Pa



MVZ-A24AA7

Condition	A scale	LINE
High	36.0	—
Middle	33.0	- - -
Low	28.0	—

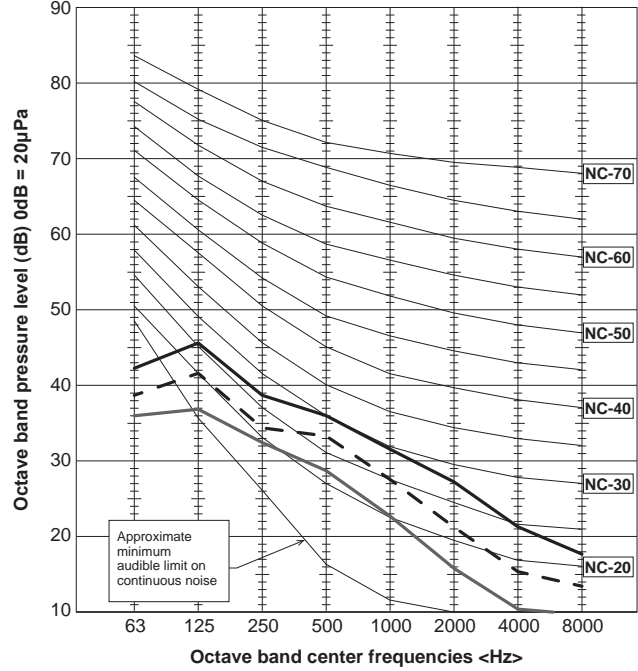
External Static Pressure: 75Pa



MVZ-A24AA7

Condition	A scale	LINE
High	38.0	—
Middle	34.0	- - -
Low	30.0	—

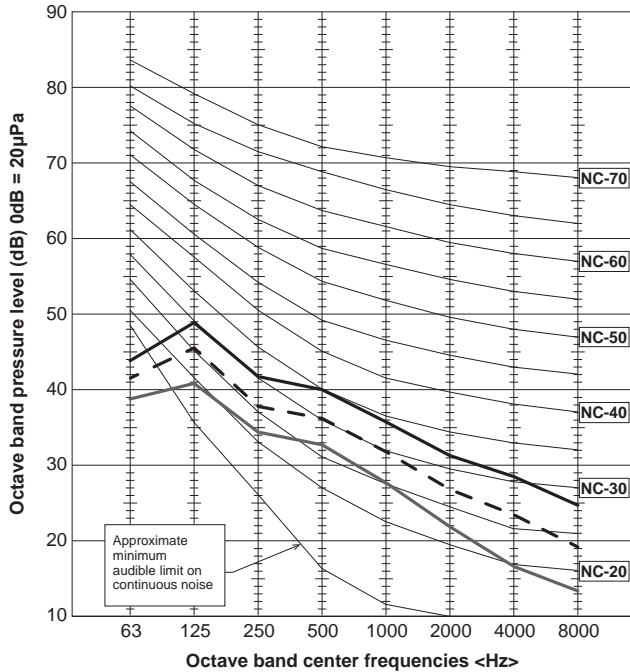
External Static Pressure: 125Pa



MVZ-A24AA7

Condition	A scale	LINE
High	42.0	—
Middle	38.0	- - -
Low	34.0	—

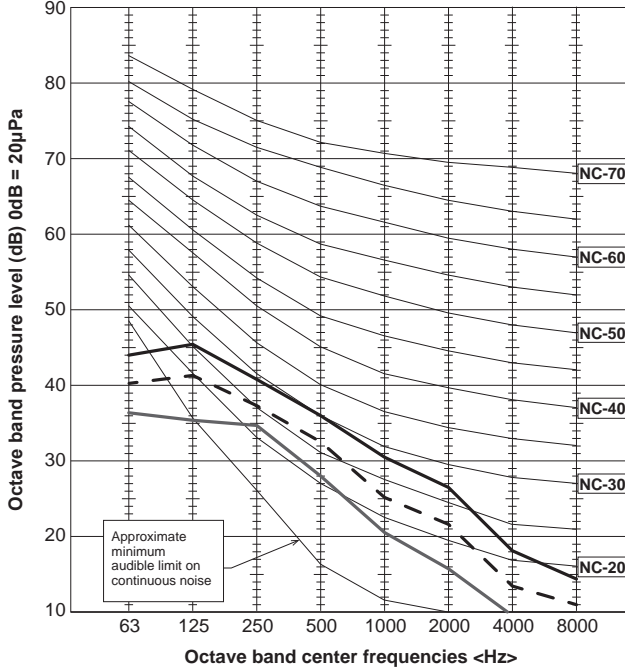
External Static Pressure: 200Pa



MVZ-A30AA7

Condition	A scale	LINE
High	38.0	————
Middle	34.0	- - - -
Low	30.0	————

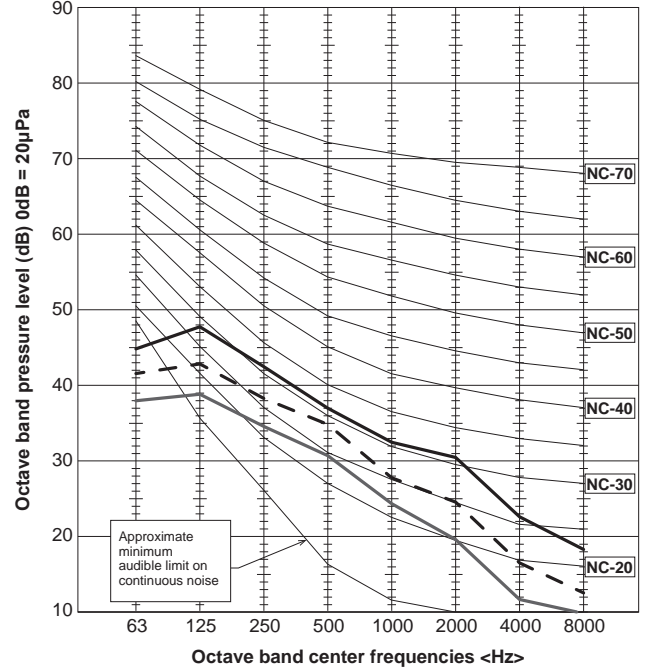
External Static Pressure: 75Pa



MVZ-A30AA7

Condition	A scale	LINE
High	40.0	————
Middle	36.0	- - - -
Low	32.0	————

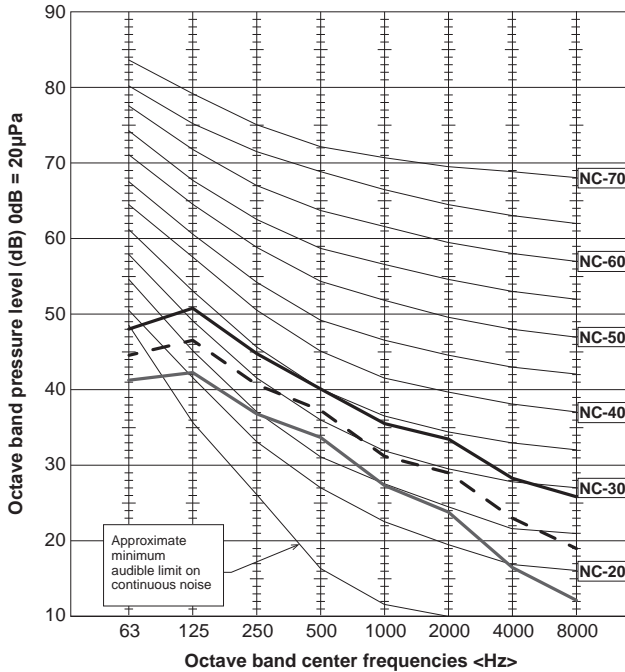
External Static Pressure: 125Pa



MVZ-A30AA7

Condition	A scale	LINE
High	43.0	————
Middle	39.0	- - - -
Low	35.0	————

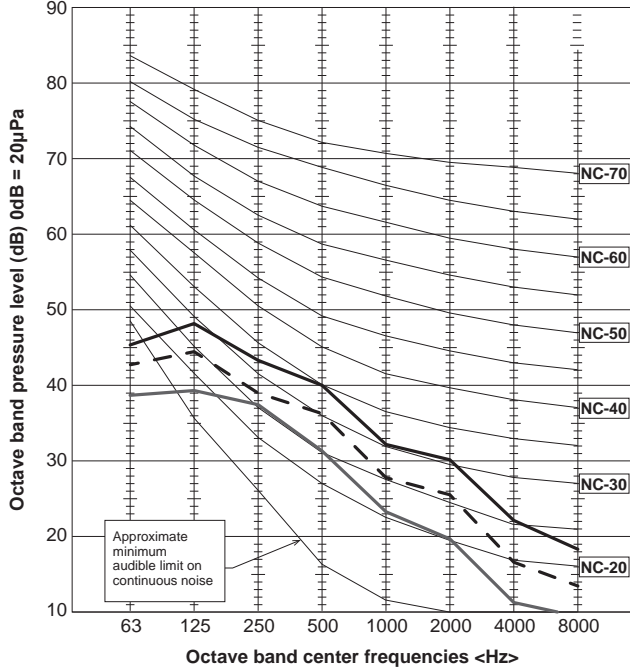
External Static Pressure: 200Pa



MVZ-A36AA7

Condition	A scale	LINE
High	41.0	————
Middle	37.0	- - - -
Low	33.0	————

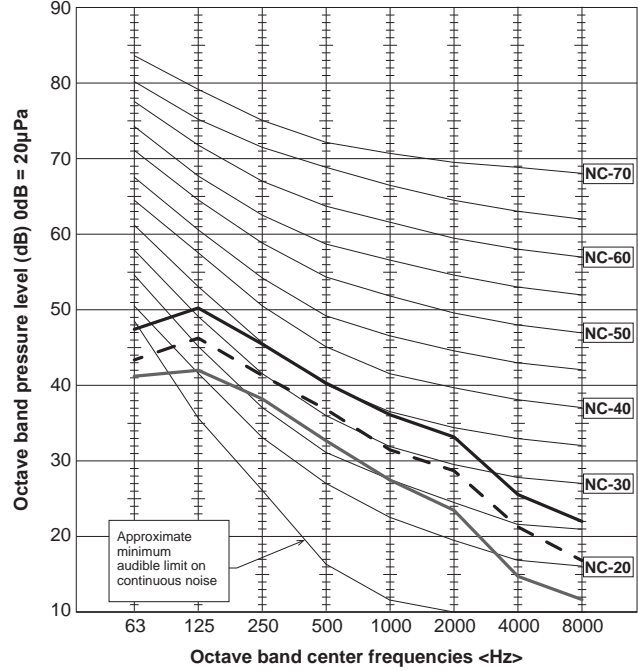
External Static Pressure: 75Pa



MVZ-A36AA7

Condition	A scale	LINE
High	43.0	————
Middle	39.0	- - - -
Low	35.0	————

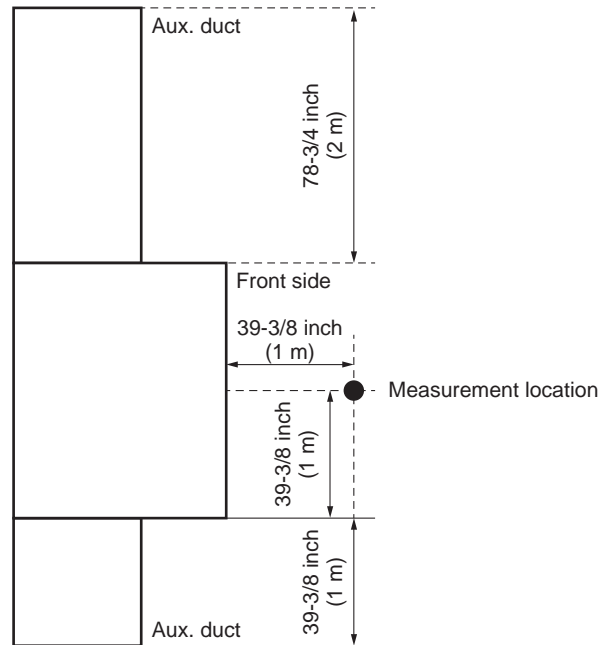
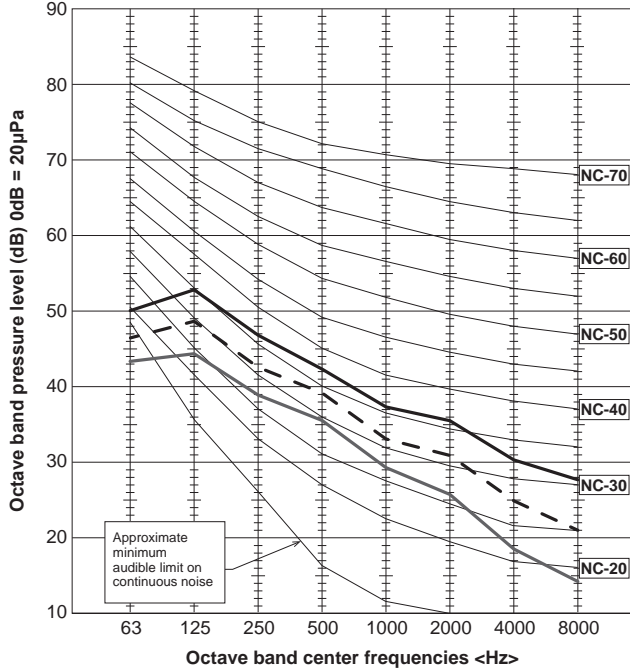
External Static Pressure: 125Pa



MVZ-A36AA7

Condition	A scale	LINE
High	45.0	————
Middle	41.0	- - - -
Low	37.0	————

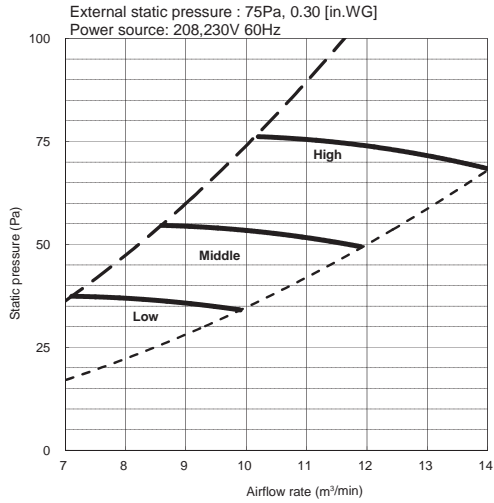
External Static Pressure: 200Pa



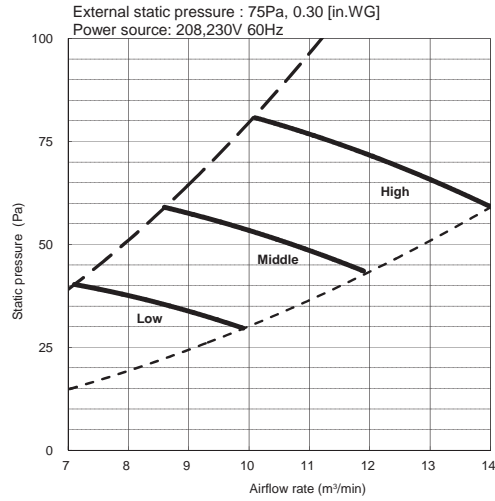
8 | AIR FLOW DATA

8-1. INDOOR UNIT MVZ-A12AA7

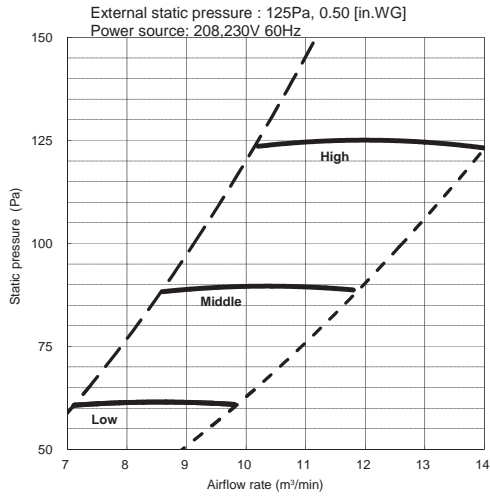
Vertical, Horizontal Right, Horizontal Left



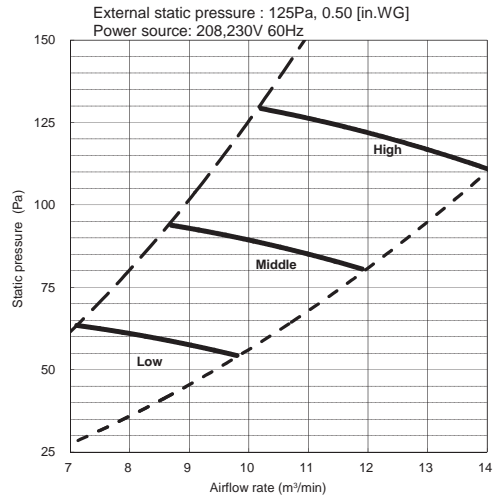
Down flow



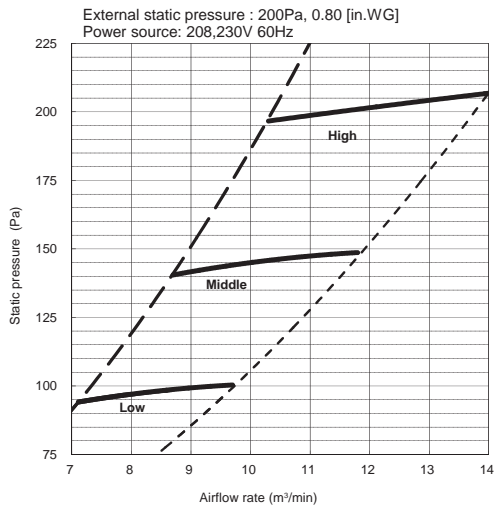
Vertical, Horizontal Right, Horizontal Left



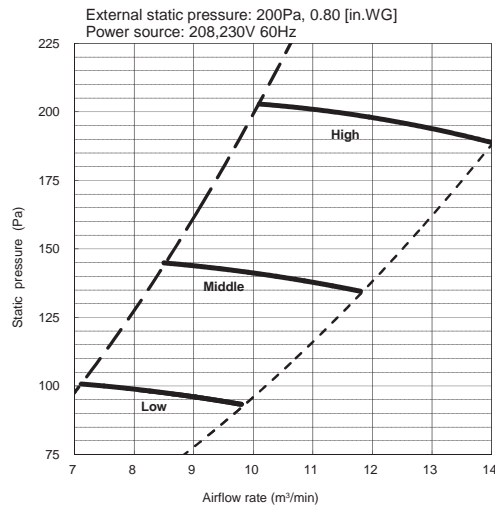
Down flow



Vertical, Horizontal Right, Horizontal Left

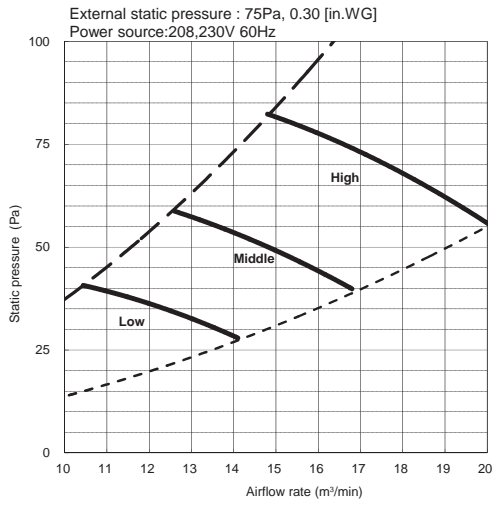


Down flow

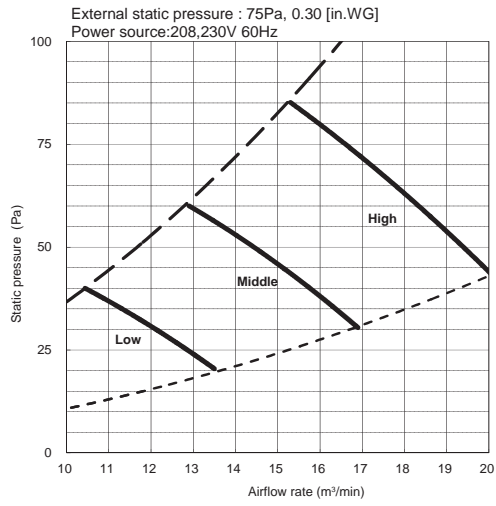


MVZ-A18AA7

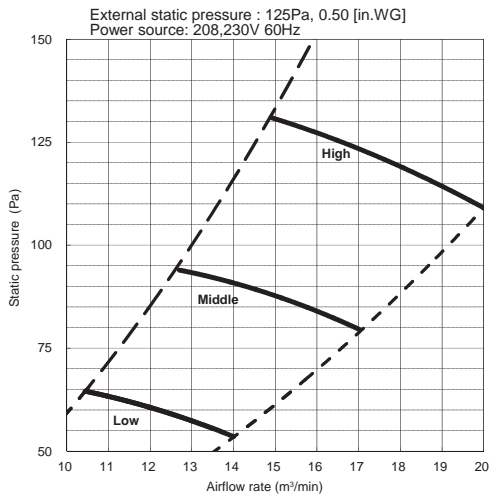
Vertical, Horizontal Right, Horizontal Left



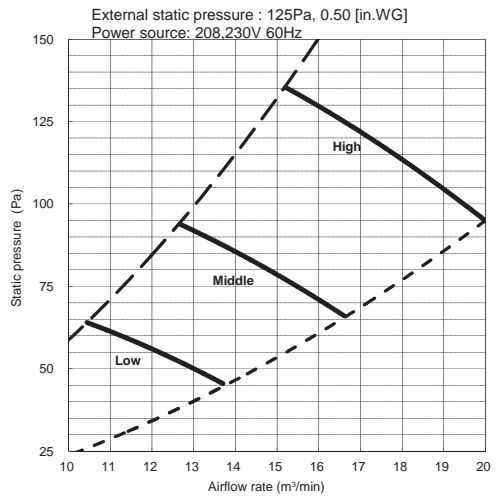
Down flow



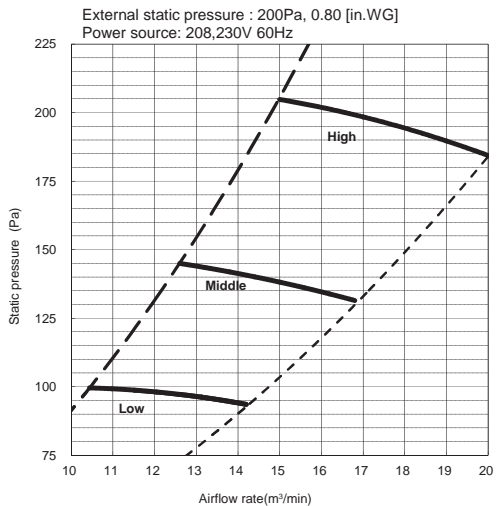
Vertical, Horizontal Right, Horizontal Left



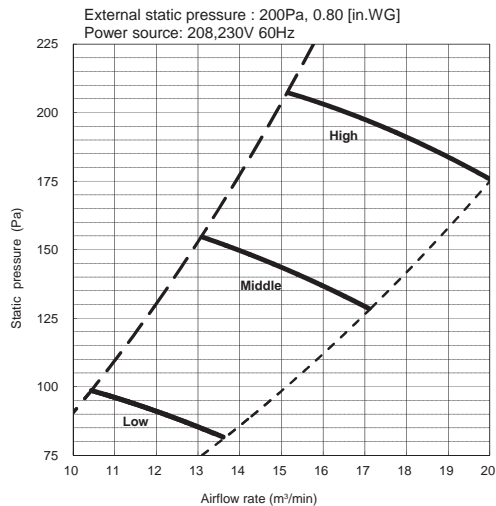
Down flow



Vertical, Horizontal Right, Horizontal Left

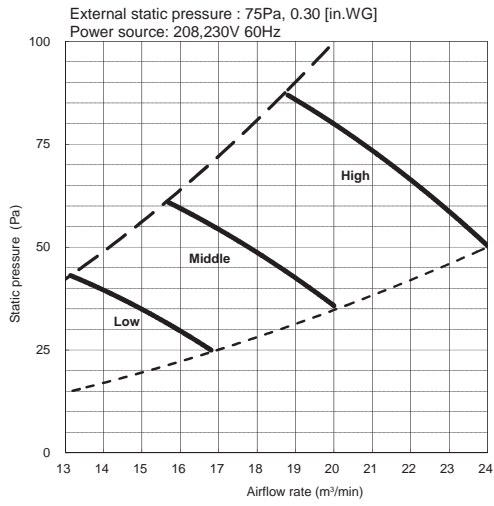


Down flow

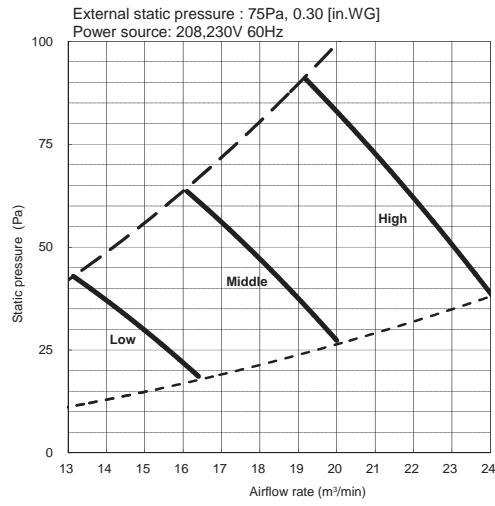


MVZ-A24AA7

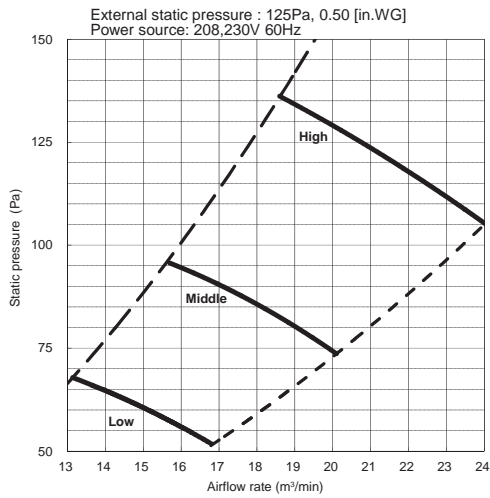
Vertical, Horizontal Right, Horizontal Left



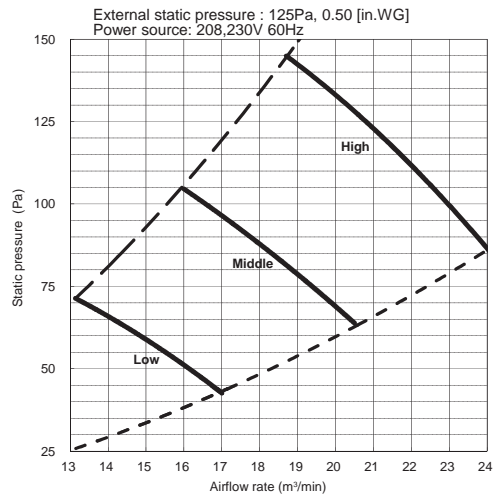
Down flow



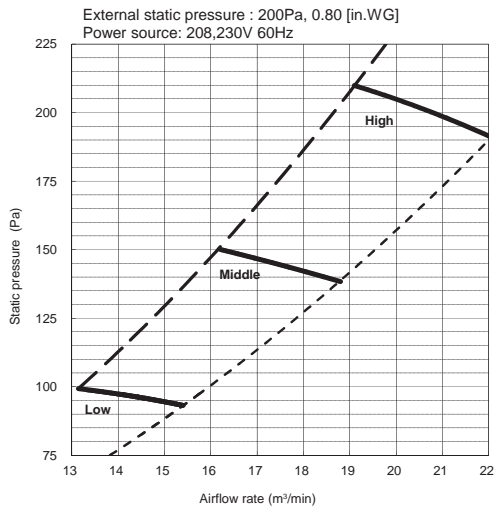
Vertical, Horizontal Right, Horizontal Left



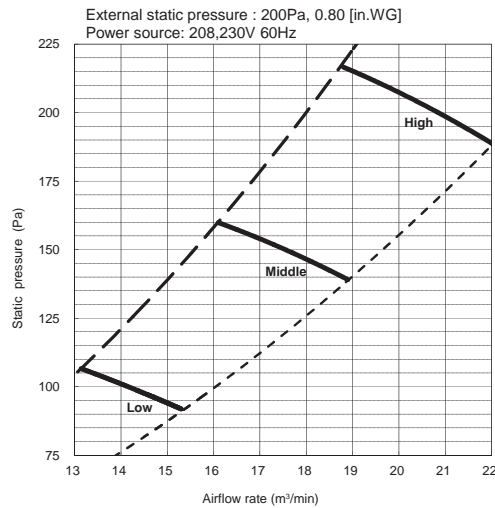
Down flow



Vertical, Horizontal Right, Horizontal Left

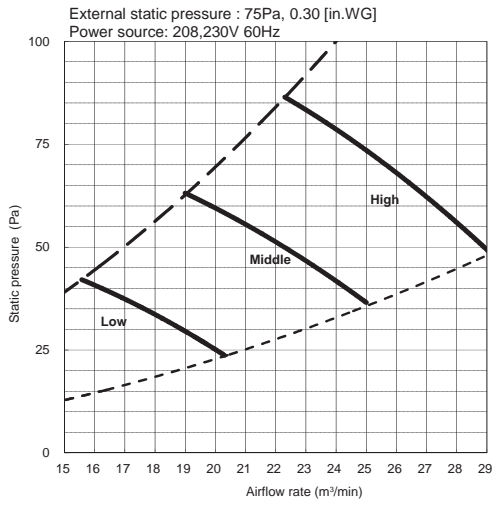


Down flow

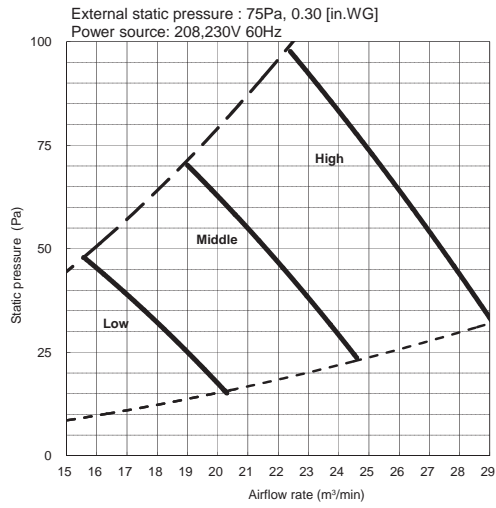


MVZ-A30AA7

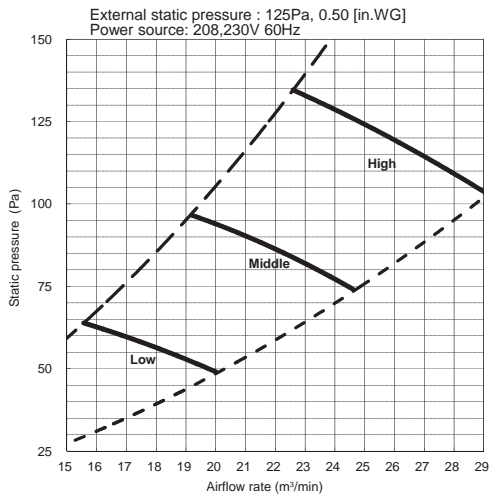
Vertical, Horizontal Right, Horizontal Left



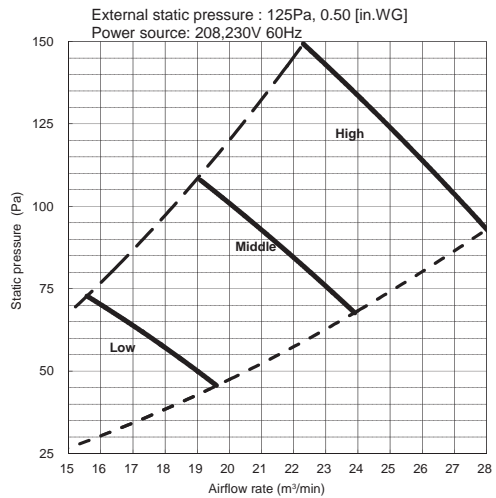
Down flow



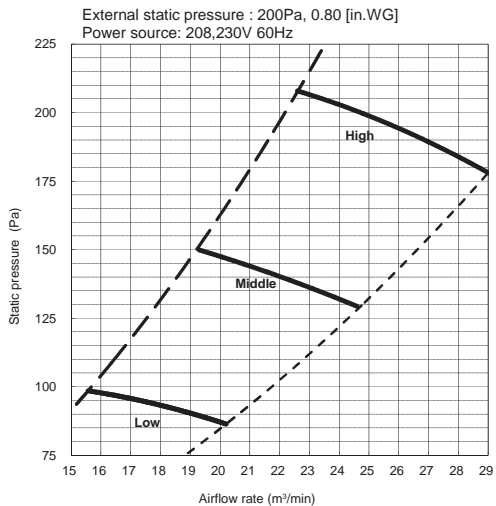
Vertical, Horizontal Right, Horizontal Left



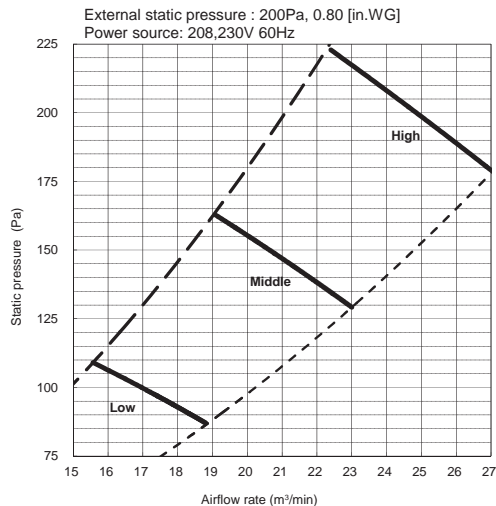
Down flow



Vertical, Horizontal Right, Horizontal Left

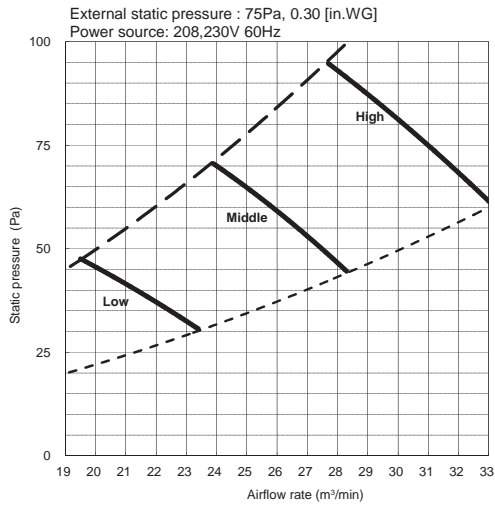


Down flow

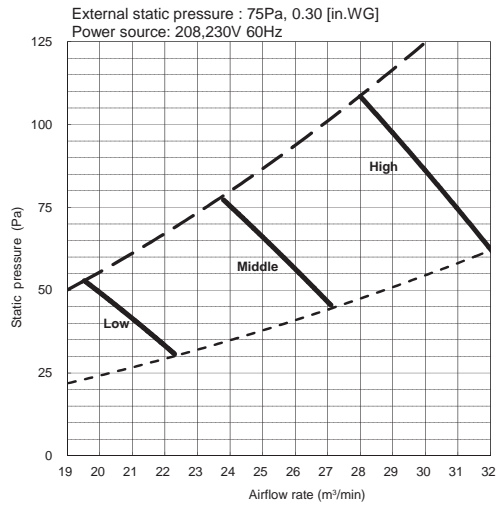


MVZ-A36AA7

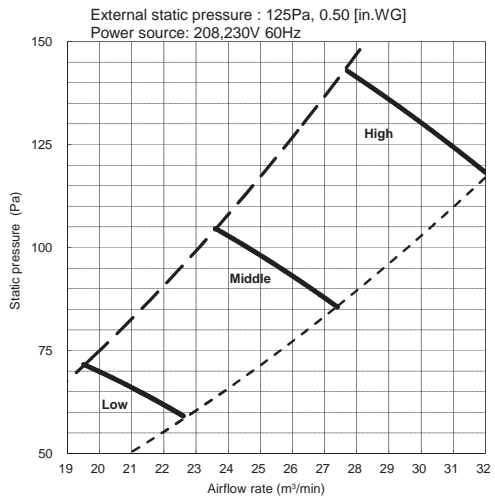
Vertical, Horizontal Right, Horizontal Left



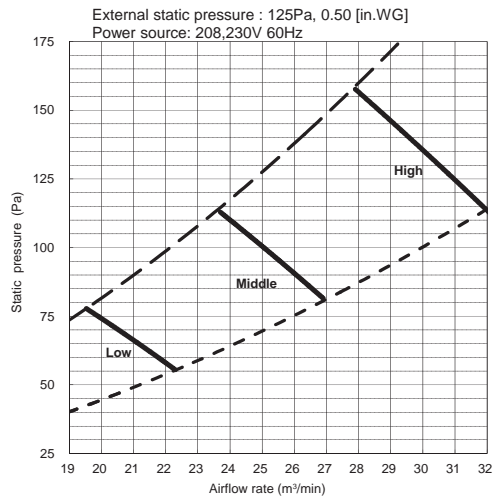
Down flow



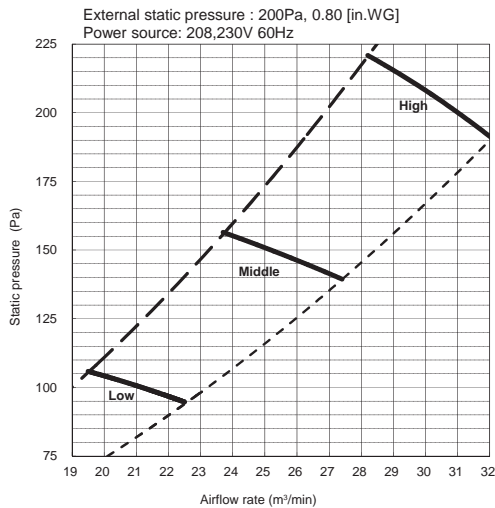
Vertical, Horizontal Right, Horizontal Left



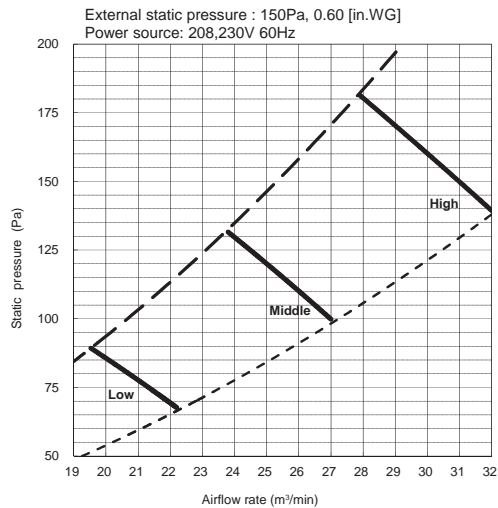
Down flow



Vertical, Horizontal Right, Horizontal Left



Down flow



C. MXZ COMBINATION CHART

Indoor unit		Outdoor unit	MXZ-						
			C Series						
			2C20NA2	3C24NA2	3C30NA2	4C36NA2	5C42NA2	8C48NA	8C60NA
M-series	Wall Mounted	MSZ-FE09NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-FE12NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-FH06NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-FH09NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-FH12NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-FH15NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-FH18NA2	✓	✓	✓	✓	✓	✓	✓
		MSZ-FH24NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GE06NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GE09NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GE12NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GE15NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GE18NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GE24NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GL06NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GL09NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GL12NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GL15NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GL18NA	✓	✓	✓	✓	✓	✓	✓
		MSZ-GL24NA	✓	✓	✓	✓	✓	✓	✓
	MSZ-EF09NAW(S)(B)	✓	✓	✓	✓	✓	✓	✓	
	MSZ-EF12NAW(S)(B)	✓	✓	✓	✓	✓	✓	✓	
	MSZ-EF15NAW(S)(B)	✓	✓	✓	✓	✓	✓	✓	
	MSZ-EF18NAW(S)(B)	✓	✓	✓	✓	✓	✓	✓	
	MSZ-HM09NA								
	MSZ-HM12NA								
	MSZ-HM15NA								
	MSZ-HM18NA								
	MSZ-HM24NA								
	Floor Standing	MFZ-KJ09NA	✓	✓	✓	✓	✓	✓	✓
MFZ-KJ12NA		✓	✓	✓	✓	✓	✓	✓	
MFZ-KJ15NA		✓	✓	✓	✓	✓	✓	✓	
MFZ-KJ18NA		✓	✓	✓	✓	✓	✓	✓	
S-series	4-way Cassette	SLZ-KA09NA	✓	✓	✓	✓	✓	✓	
		SLZ-KA12NA	✓	✓	✓	✓	✓	✓	
		SLZ-KA15NA	✓	✓	✓	✓	✓	✓	
	Ceiling Concealed	SEZ-KD09NA	✓	✓	✓	✓	✓	✓	
		SEZ-KD12NA	✓	✓	✓	✓	✓	✓	
		SEZ-KD15NA	✓	✓	✓	✓	✓	✓	
	SEZ-KD18NA	✓	✓	✓	✓	✓	✓		
P-series	4-way Cassette	PLA-A12BA					✓	✓	
		PLA-A18BA		✓			✓	✓	
		PLA-A24BA			✓		✓	✓	
		PLA-A30BA					✓	✓	
		PLA-A36BA					✓	✓	
		PLA-A42BA					✓	✓	
		PLA-A12EA						✓	✓
		PLA-A18EA		✓	✓	✓	✓	✓	✓
		PLA-A24EA						✓	✓
		PLA-A30EA						✓	✓
	PLA-A36EA						✓	✓	
	PLA-A42EA						✓	✓	
	Ceiling Suspended	PCA-A24KA			✓	✓	✓		
		PCA-A30KA							
		PCA-A36KA							
		PCA-A42KA							
	Ceiling Concealed	PEAD-A12AA	✓	✓	✓	✓	✓		
		PEAD-A18AA		✓	✓	✓	✓		
		PEAD-A24AA			✓	✓	✓	✓	✓
		PEAD-A30AA						✓	✓
PEAD-A36AA							✓	✓	
PEAD-A42AA							✓	✓	
Vertical Multi-Position	MVZ-A12AA7	✓	✓	✓	✓	✓	✓	✓	
	MVZ-A18AA7		✓	✓	✓	✓	✓	✓	
	MVZ-A24AA7			✓	✓	✓	✓	✓	
	MVZ-A30AA7				✓	✓	✓	✓	
	MVZ-A36AA7					✓	✓	✓	

Indoor unit		Outdoor unit	MXZ-					
			C Series					
			2C20NAHZ2	3C24NAHZ2	3C30NAHZ2	4C36NAHZ	5C42NAHZ	8C48NAHZ
M-series	Wall Mounted	MSZ-FE09NA	✓	✓	✓	✓	✓	✓
		MSZ-FE12NA		✓	✓	✓	✓	✓
		MSZ-FH06NA	✓	✓	✓	✓	✓	✓
		MSZ-FH09NA	✓	✓	✓	✓	✓	✓
		MSZ-FH12NA	✓	✓	✓	✓	✓	✓
		MSZ-FH15NA	✓	✓	✓	✓	✓	✓
		MSZ-FH18NA2		✓	✓	✓	✓	✓
		MSZ-GE06NA	✓	✓	✓	✓	✓	✓
		MSZ-GE09NA	✓	✓	✓	✓	✓	✓
		MSZ-GE12NA	✓	✓	✓	✓	✓	✓
		MSZ-GE15NA	✓	✓	✓	✓	✓	✓
		MSZ-GE18NA		✓	✓	✓	✓	✓
		MSZ-GE24NA			✓	✓	✓	✓
		MSZ-GL06NA	✓	✓	✓	✓	✓	✓
		MSZ-GL09NA	✓	✓	✓	✓	✓	✓
		MSZ-GL12NA	✓	✓	✓	✓	✓	✓
		MSZ-GL15NA	✓	✓	✓	✓	✓	✓
		MSZ-GL18NA		✓	✓	✓	✓	✓
		MSZ-GL24NA			✓	✓	✓	✓
		MSZ-EF09NAW(S)(B)	✓	✓	✓	✓	✓	✓
		MSZ-EF12NAW(S)(B)	✓	✓	✓	✓	✓	✓
		MSZ-EF15NAW(S)(B)	✓	✓	✓	✓	✓	✓
		MSZ-EF18NAW(S)(B)		✓	✓	✓	✓	✓
		MSZ-HM09NA						
		MSZ-HM12NA						
		MSZ-HM15NA						
		MSZ-HM18NA						
	MSZ-HM24NA							
	Floor Standing	MFZ-KJ09NA	✓	✓	✓	✓	✓	✓
		MFZ-KJ12NA	✓	✓	✓	✓	✓	✓
		MFZ-KJ15NA	✓	✓	✓	✓	✓	✓
		MFZ-KJ18NA		✓	✓	✓	✓	✓
	S-series	4-way Cassette	SLZ-KA09NA	✓	✓	✓	✓	✓
SLZ-KA12NA			✓	✓	✓	✓	✓	
SLZ-KA15NA				✓	✓	✓	✓	
Ceiling Concealed		SEZ-KD09NA	✓	✓	✓	✓	✓	
		SEZ-KD12NA	✓	✓	✓	✓	✓	
		SEZ-KD15NA	✓	✓	✓	✓	✓	
			✓	✓	✓	✓		
P-series	4-way Cassette	PLA-A12BA				✓	✓	
		PLA-A18BA		✓	✓	✓	✓	
		PLA-A24BA			✓	✓	✓	
		PLA-A30BA				✓	✓	
		PLA-A36BA				✓	✓	
		PLA-A42BA				✓	✓	
		PLA-A12EA				✓	✓	
		PLA-A18EA		✓	✓	✓	✓	
		PLA-A24EA				✓	✓	
		PLA-A30EA				✓	✓	
		PLA-A36EA				✓	✓	
		PLA-A42EA				✓	✓	
		Ceiling Suspended	PCA-A24KA			✓		
			PCA-A30KA					
	PCA-A36KA							
	PCA-A42KA							
	Ceiling Concealed	PEAD-A12AA	✓	✓	✓			
		PEAD-A18AA		✓	✓			
		PEAD-A24AA			✓	✓	✓	
		PEAD-A30AA				✓	✓	
		PEAD-A36AA				✓	✓	
		PEAD-A42AA				✓	✓	
	Vertical Multi-Position	MVZ-A12AA7	✓	✓	✓	✓	✓	
		MVZ-A18AA7		✓	✓	✓	✓	
MVZ-A24AA7				✓	✓	✓		
MVZ-A30AA7					✓	✓		
MVZ-A36AA7					✓	✓		

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