

INFINITY® SERIES
38MPRA OUTDOOR UNIT



Infinity® Heat Pump With Basepan Heater

FEATURES OUTDOOR

- 100% cooling capacity at -22° F (-30° C) without additional kit
- Available in 208/230V
- Built-in basepan heater
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 55 dB(A)
- Anti-corrosive fin coating
- Piping length 98 ft. (30m.)
- Cooling operating range -22° ~ 122° F (-30° ~ 50° C)
- Heating operating range -22° ~ 86° F (-25° ~ 30° C)

COMPATIBLE WITH:

- 40MPHA High Wall

INFINITY *SERIES*

Heat Pump With Basepan Heater

Inverter Compressor

Up to 42.0 SEER

Up to 15.0 HSPF

Sizes: 09 / 12 / 18 / 24

All Systems are ENERGY STAR® certified



KEY FEATURES

Extra-Low Temperature Heating

Heat output up to 75% of rated capacity down to -22° F (-30° C), so when it's cold outside, it will be warm inside, making this a primary heat source and eliminating the need for a backup heat source.

Stepless Frequency Adjustment

Precise control maintains stable and constant room temperature while reducing sound level and saving energy.



High Wall



SPECIFICATIONS:

38MPRA Outdoor Unit					
Heat Pump System					
Size		9	12	18	24
Outdoor Model		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
Electrical					
Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A	13	15	18	20
MOCP - Fuse Rating	A	15	20	30	30
Operating Range					
Cooling Outdoor DB Min - Max	° F (° C)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping					
Total Piping Length	ft (m)	98 (30)	98 (30)	98 (30)	98 (30)
Piping Lift*	ft (m)	49 (15)	49 (15)	65 (20)	65 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8" (9.52)	3/8" (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	5/8" (15.9)	5/8" (15.9)
Refrigerant					
Type		R410A	R410A	R410A	R410A
Charge	lb (kg)	3.5 (1.58)	3.5 (1.58)	5.7 (2.6)	6.5 (2.95)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	33.27 (845)	33.27 (845)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	27.64 (702)	27.64 (702)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	14.29 (363)	14.29 (363)	16.14 (410)	16.14 (410)
Net Weight	lb (kg)	107.59 (48.8)	108.47 (49.2)	135.4 (61.4)	145.1 (65.8)
Airflow	cfm	1,380	1,380	2,236	2,236
Sound Pressure	dB(A)	55.5	56.0	61.5	62.0

*Condensing unit above or below indoor unit

COMPATIBILITY:

Indoor Unit		Outdoor Unit			
		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
High Wall	40MPHAQ09XA3	•			
	40MPHAQ12XA3		•		
	40MPHAQ18XA3			•	
	40MPHAQ24XA3				•

High Wall					
Indoor Model		40MPHAQ09XA3	40MPHAQ12XA3	40MPHAQ18XA3	40MPHAQ24XA3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.5	1.8
Cooling Rated Capacity	Btu/h	9,000	12,000	18,000	22,000
Cooling Cap. Range Min - Max	Btu/h	5,000~17,000	5,800~19,000	6,888~30,511	7,445~32,644
SEER		42.0	32.0	28.2	23.5
EER		15.0	13.5	14.5	13.65
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	7,200	6,800	12,300	15,450
Heating Max Capacity (17° F)	Btu/h	15,690	17,070	22,000	22,000
Heating Max Capacity (5° F)	Btu/h	13,000	13,800	18,000	24,000
Heating Max Capacity (-13° F)	Btu/h	8,917	9,782	16,572	19,799
Heating Cap. Range Min - Max	Btu/h	3,100~19,100	3,500~21,000	10,835~29,414	12,050~32,270
HSPF		15.0	14.0	14.0	12.0
COP (47° F)	W/W	4.00	4.24	4.12	3.89
COP (17° F)	W/W	2.78	2.64	3.20	3.00
COP (5° F)	W/W	2.00	2.00	2.00	2.00

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