

Submittal Data: UMAT24HP230V1AC

24,000 BTUH Ceiling Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Part# UMAT24GRILLE -Sold Separately)
- 5 yr. Limited Parts & Compressor Warranty (Residential Only)



AHRI Certified Ref No: 7630960

System Ratings
Cooling

Rated Capacity	23,800 BTU/H
Capacity Range	8,200-29,000 BTU/H
Power Input (Max)	2,500 W
SEER	18.0
EER	10.7

Heating at 47° F

Rated Capacity	27,200 BTU/H
Capacity Range	8,200-32,400 BTU/H
Power Input (Max)	2,750 W
HSPF	10.0
COP	3.4

Heating at 17° F

Rated Capacity	15,700 BTU/H
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Operating Range

Cooling	(Max)	118°F (48°C)
	(Min)	0°F (-18°C)
Heating	(Max)	75°F (24°C)
	(Min)	0°F (-18°C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	78.4 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	0.5 A
Airflow		
	Cooling Wet (Lo/Hi)	510/765 CFM
	Heating Dry (Lo/Hi)	510/765 CFM
Ait Throw (max)		13 ft
Sound Level		
	Cooling (Min/Max)	38/46 dB(A)
	Heating (Min/Max)	38/46 dB(A)
Dehumidication		1.14 pt/hr
Condensate Drain Lift (Height)		33 in
Power Supply (Dedicated Circuit: Size Per Local Code)		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	1.0A
	MOCP/Breaker Size	15A
Communication Wire Size		18-2 AWG / 300V THHN

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	18.0 A
Refrigerant Type		R410A
Fan Motor	Output Power	1/6HP
	FLA	1.5 A
Sound Level		
	Cooling/Heating	57/57 dB(A)
Power Supply (Dedicated Circuit)		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	Main Supply Wire Size	10 AWG
	MCA	23.4 A
	MOCB/Breaker Size	40 A

SYSTEM FEATURES

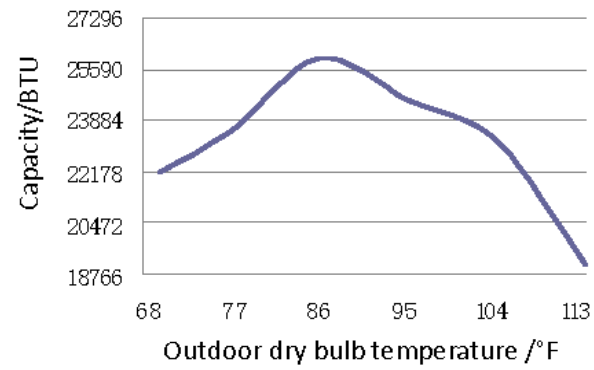
2. Power wiring size must comply with applicat	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	YES
Outdoor Fin Coating	Acrylic Resin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK60 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

REMOTE CONTROLLER FUNCTIONS

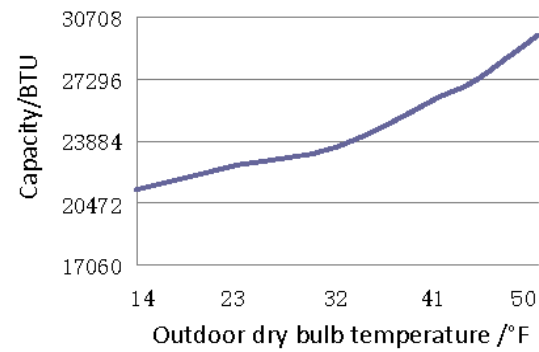
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	NO

EXTENDED RATINGS

COOLING PERFORMANCE

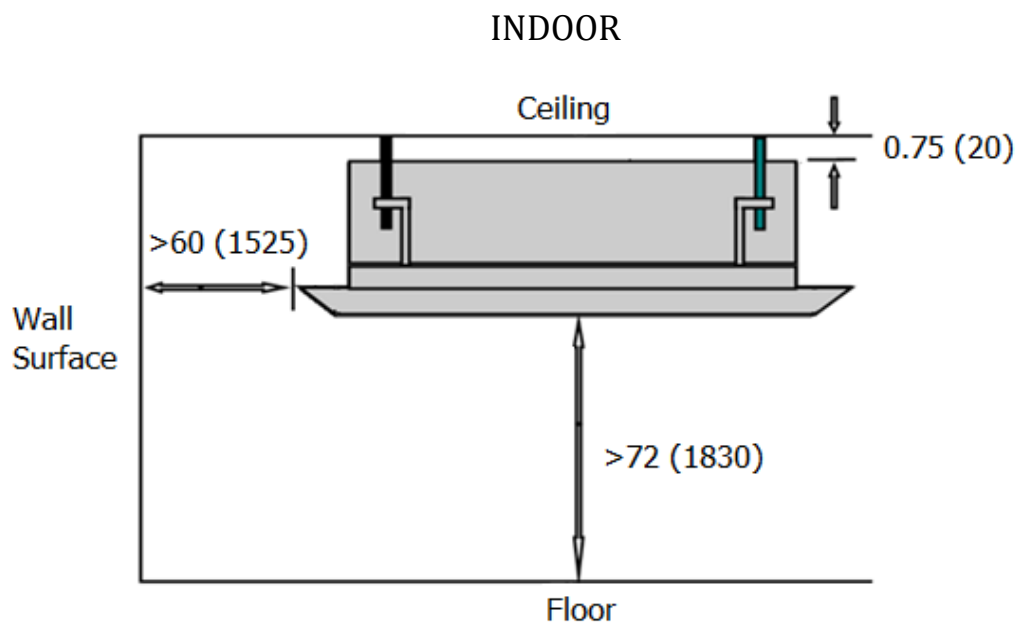


HEATING PERFORMANCE



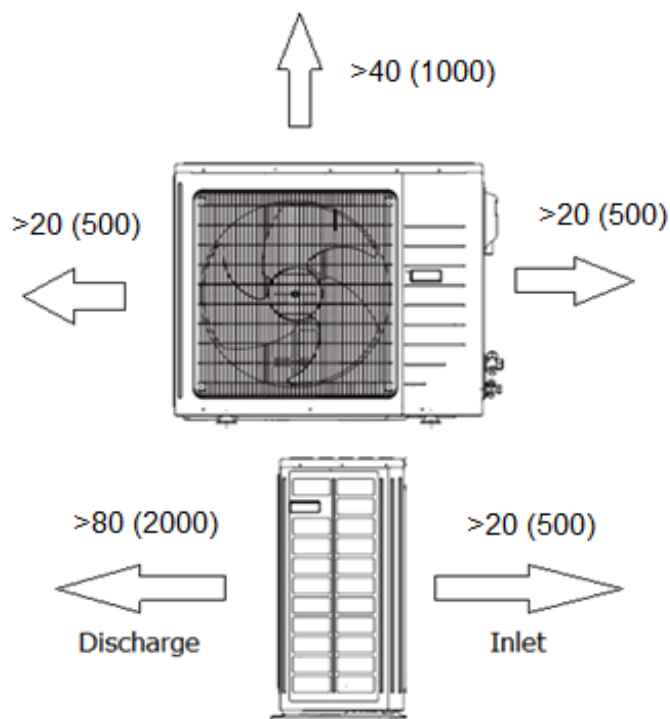
MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



OUTDOOR

Units: inch (mm)

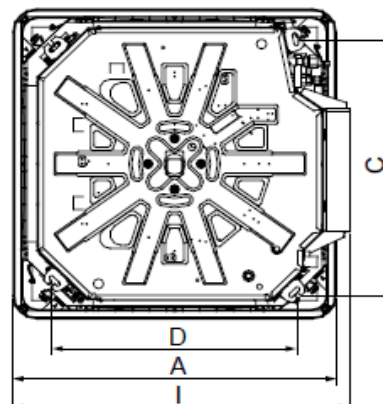
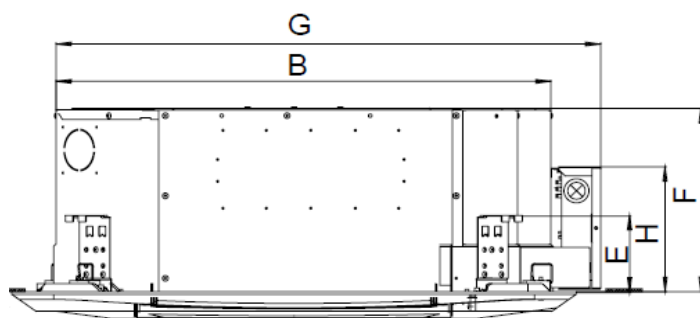


DIMENSIONAL SPECIFICATIONS

UMAT24HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



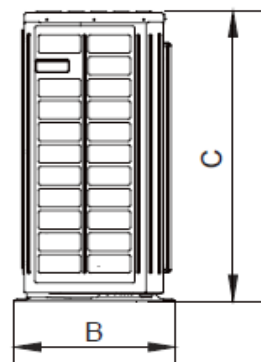
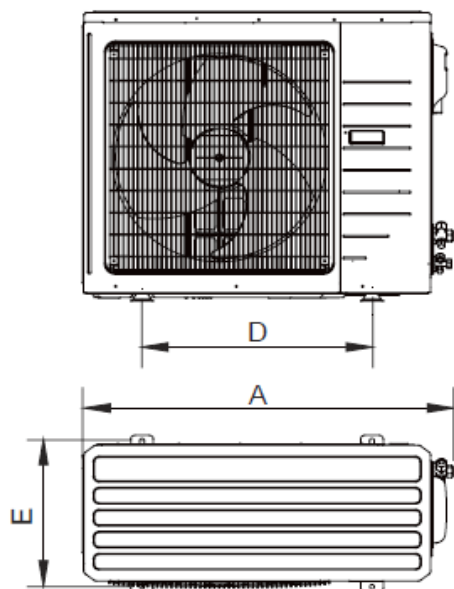
A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	1-in OD

Net Weight	59.4 lbs
Shipping Weight	83.6 lbs

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625 (980)
B	16.75 (427)
C	31.125 (790)
D	24.0 (610)
E	15.5 (395)

Net Weight	151.8 lbs
Shipping Weight	162.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Wire Type 18-2 AWG Stranded Copper THHN 300V Wire.
2. Power wiring size must comply with applicable national and local codes for both ID and OD dedicated circuits.
3. Test conditions are based on AHRI 210/240.

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