

208-230V MULTI-POSITION AIR HANDLER SYSTEMS

SYSTEMS M24SZA2, M36SZA2, M48SZA2, M60SZA2



WHM24DMA21S
WHM24SZA21S



WHM36DMA21S
WHM36SZA21S

TECHNICAL SPECIFICATIONS				
SYSTEM			M24SZA2	
Indoor Unit			WHM24DMA21S	
Outdoor Unit			WHM24SZA21S	
PERFORMANCE				
Type			Heat Pump	
Rated Cooling Capacity (95°F)		BTU/h	24,000	
Rated Heating Capacity (47°F)			24,000	
Cooling Capacity Range (95°F)			6,700–26,000	
Heating Capacity Range (47°F)			6,700–26,000	
SEER		BTU/h/W	18	
HSPF			10	
EER for Cooling			10.9	
COP for Heating		W/W	3.5	
Moisture Removal		pints/h (L/h)	4.6 (2.2)	
FAN DATA				
Indoor Sound Pressure - Cooling mode (High)		dB (A)	55	
Outdoor Sound pressure - Cooling mode (High)			54	
Indoor Airflow - Cooling mode (High)		m3/h	1,360	
		CFM	800	
Static pressure range		inWG (Pa)	0 ~ 0.8 (0 ~ 200)	
ELECTRICAL				
Voltage, Freq., Phase - Indoor unit		V/Hz/Ph	208-230 / 60 / 1	
Voltage, Freq., Phase - Outdoor unit		V/Hz/Ph	208-230 / 60 / 1	
MCA - Indoor unit		A	3.3	
MCA - Outdoor unit			15	
Max. Breaker Size - Indoor unit			15	
Max. Breaker Size - Outdoor unit			25	
Compressor RLA			11	
OUTDOOR OPERATING TEMPERATURE RANGE				
Cooling		°F	5 - 122	
		°C	-15 ~ 50	
Heating		°F	-13 ~ 75	
		°C	-25 ~ 24	
SIZE & WEIGHT				
Net Dimensions (W x H x D)	Indoor Unit	in	19-5/8 x 46-1/8 x 21-5/8	
		mm	500 x 1,170 x 550	
	Outdoor Unit	in	33-7/8 x 26-3/8 x 12-1/4	
		mm	860 x 670 x 310	
Net Weight	Indoor Unit	lb (kg)	135.5 (61.5)	
	Outdoor Unit		112.4 (51)	
LINESET REQUIREMENTS				
Liquid Pipe		in (mm)	3/8 (9.52)	
Gas Pipe			5/8 (15.88)	
Max. Pipe Length (Total)		ft (m)	164 (50)	
Max. Elevation (IDU higher than ODU)			98 (30)	
Max. Elevation (ODU higher than IDU)			98 (30)	
Pre-charge Pipe Length			24.6 (7.5)	
ADDITIONAL DATA				
Refrigerant (R410A) Weight		lb (g)	4 lb 7 oz (2,000)	
Energy Star Certified			No	

Three-Position Air Handling Unit (MP AHU) offers static pressure capability up to 0.8 in.WG, enough to heat or cool a house with conventional ductwork. Units are available in four sizes with efficiency ratings up to 18.0 SEER.

The system features a wide outdoor ambient operation range with cooling down to 5°F and powerful heating down to -13°F, and full numeric diagnostic LED display. Unique system design permits the use of conventional 24V thermostats to control and operate this inverter compressor system.

208-230V Multi-Position Air Handler Single-Zone Systems

	M36SZA2	M48SZA2	M60SZA2
	WHM36DMA21S	WHM48DMA21S	WHM60DMA21S
	WHM36SZA21S	WHM48SZA21S	WHM60SZA21S
	Heat Pump		
	36,000	48,000	56,000
	36,000	48,000	56,000
	11,800—36,800	18,300—52,000	18,300—59,400
	8,900—38,200	17,600—52,000	17,600—57,500
	18	18	17.5
	11	10.0	
	9.55	10.2	8.5
	3.3		3.1
	9.5 (4.5)	11.6 (5.5)	15.8 (7.5)
	57	64	65
	57	59	60
	1,905	2,700	2,900
	1,120	1,588	1,706
	0 ~ 0.8 (0 ~ 200)		
	208-230 / 60 / 1		
	208-230 / 60 / 1		
	4.8	6.8	
	23	35	
	15		
	35	50	
	16.1	26	26.5
	5 to 122		
	-15 to 50		
	-13 to 75		
	-25 to 24		
	19-5/8 x 46-1/8 x 21-5/8	22 x 53-7/8 x 24	
	500 x 1,170 x 550	560 x 1,370 x 610	
	37-3/8 x 33 x 13-3/8	37-3/8 x 54-5/8 x 13-3/8	
	950 x 840 x 340	950 x 1,386 x 340	
	140.0 (63.5)	187.2 (85)	
	147.7 (67)	227.1 (103)	251.3 (114)
	3/8 (9.52)		
	3/4 (19.05)	7/8 (22.22)	
	246 (75)		
	98 (30)		
	98 (30)		
	24.6 (7.5)		
	6 lb 3 oz (2,800)	8 lb 15 oz (4,050)	
	No		



WHM48-60DMA21S

WHM48-60SZA21S

STANDARD FEATURES

- Energy-efficient inverter technology
- 3-Position AHU: upflow, horizontal right and left
- High external static pressure capability
- 7-segment LED for numeric diagnostic display
- Dual point power connection (IDU and ODU powered independently)
- Built-in base pan heater
- Optional electric heater kit
- Compatible with 3rd party conventional 24V thermostat

