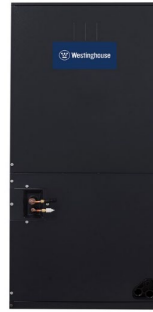


48000 BTU Duct Type - Heat Pump

Job Name	_____	Date	_____
Location	_____	Approval	_____
Engineer	_____	Construction	_____
Submitted To	_____	Unit No	_____
Submitted By	_____	Drawing No	_____
Reference	_____		

FEATURES

- Up to 0.8" WG (200 Pa)
- Heating down to -13°F (-25°C)
- 3-Position AHU: Up, Right, Left
- Maximum line set length is 246 ft.
- Built-in Base Pan Heater
- Optional Auxiliary Heater Kit
- Dual Point Power Connection



SYSTEM COMPONENTS	
Indoor Unit Model Number	WHM48DMA21S
Outdoor Unit Model Number	WHM48SZA21S
System model number	M48SZA2
ELECTRICAL - Outdoor Unit	
Voltage/Phase/Frequency	208 / 230V, 1-Phase, 60Hz
Voltage Range - V	198 - 253
MCA - Outdoor Unit - A	35
Max Circuit Breaker - Outdoor Unit - A	50
MCA - Indoor Unit - A	6.8
Max Circuit Breaker - Indoor Unit - A	15
Rated Load Amperage (RLA) - A	24.8

CAPACITIES	
Cooling Capacity - BTUh	48000
Cooling Capacity Range - BTUh	18300 - 52000
Heating Capacity - BTUh	48000
Heating Capacity Range - BTUh	17600 - 52000

FAN SPEEDS	
Indoor Airflow Rate (H/M/L) - CFM	1588
Indoor Airflow Rate (H/M/L) - m³/h	2700
Outdoor Airflow Rate (H) - CFM	3525
Outdoor Airflow Rate (H) - m³/h	6000

SOUND PRESSURE	
Sound Pressure Level Indoor (H)	64
Sound Pressure Level Outdoor (H) - dB(A)	59

LINESET REQUIREMENTS	
Connection Pipe Diameter - Liquid (Flare) - in (mm)	Ø3/8 (Ø9.52)
Connection Pipe Diameter - Gas (Flare) - in (mm)	Ø7/8 (Ø22.22)
Minimum Lineset Length - ft (m)	10(3.04)
Maximum Lineset Length (Total) - ft (m)	246 (75)
Max Height Difference - ft (m)	98 (30)
Pre-charged Lineset Length - ft (m)	24.6 (7.5)



STATIC PRESSURE	
Static Pressure Range - inWG (Pa)	0 to 0.8 (0 to 200)

OUTDOOR TEMPERATURE OPERATING RANGE	
Cooling - °F (°C)	5 to 122 (-15 to 50)
Heating - °F (°C)	-13 to 75 (-25 to 24)

INDOOR TEMPERATURE SETTING RANGE	
Cooling - °F (°C)	61°F to 86°F (16°C to 30°C)
Heating - °F (°C)	61°F to 86°F (16°C to 30°C)
Mositure Removal pints/h (L/h)	4.6 (2.2)

EFFICIENCIES	
SEER	17.5
EER	10.2
HSPF	10
COP - BTU/hw	11.26
COP - W/W	3.3
Energy Star	No

NET DIMENSIONS & WEIGHTS	
Indoor Unit Net Dimensions (W x H x D) - in	53-7/8 x 22 x 24
Indoor Unit Net Dimensions (W x H x D) - mm	1,370 x 560 x 610
Indoor Unit Gross Dimensions (W x H x D) - in	55-1/2 x 25-1/4 x 28
Indoor Unit Gross Dimensions (W x H x D) - mm	1,410 x 640 x 710
Outdoor Unit Net Dimensions (W x H x D) - in	54-5/8 x 37-3/8 x 13-3/8
Outdoor Unit Net Dimensions (W x H x D) - mm	1,386 x 950 x 340
Outdoor Unit Gross Dimensions (W x H x D) - in	60-1/4 x 43-3/4 x 18-1/8
Outdoor Unit Gross Dimensions (W x H x D) - mm	1,530 x 1,110 x 460
Indoor Unit - Net Weight - lbs (kg)	187.2 (85)
Outdoor Unit - Net Weight - lbs (kg)	227.1 (103)

REFRIGERANT	
Refrigerant Type	410A
Refrigerant Weight - lb oz	8 lb 15 oz
Oil type	VG74

COMPRESSOR	
Compressor Type	Rotary

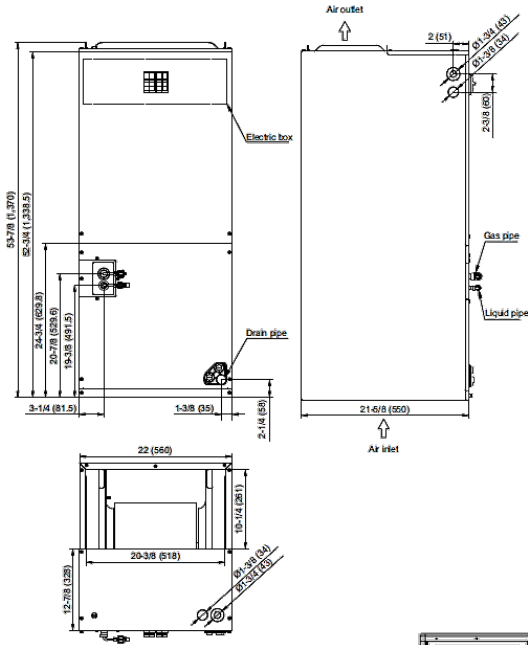
WARRANTY


7 Year Compressor, 5 Year Parts out-of-the-box Warranty

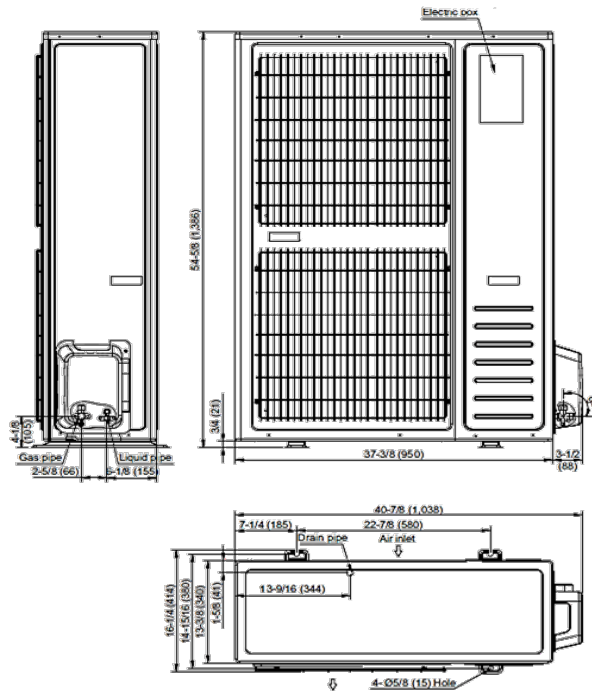
Note: Specifications are based on the following conditions:
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB. Pipe length: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit - indoor unit).

DIMENSIONS

Unit: In. (mm)



Indoor Unit Model	Heater Part No.	Description
WHM48DMA21S	21-4245-01	Electric heater kit (5 kW)
	21-4245-02	Electric heater kit (7.5 kW)
	21-4245-03	Electric heater kit (10 kW)
	21-4245-04	Electric heater kit (15 kW)
	21-4245-05	Electric heater kit (20 kW)
Voltage	208/230V,60Hz,1f	



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