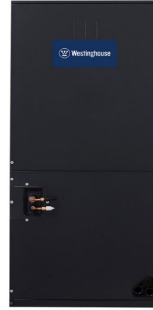


**60000 BTU Duct Type - Heat Pump**

<b>Job Name</b> _____ <b>Location</b> _____ <b>Engineer</b> _____ <b>Submitted To</b> _____ <b>Submitted By</b> _____ <b>Reference</b> _____	<b>Date</b> _____ <b>Approval</b> _____ <b>Construction</b> _____ <b>Unit No</b> _____ <b>Drawing No</b> _____
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**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	WHM60DMA21S
Outdoor Unit Model Number	WHM60SZA21S
System model number	M60SZA2
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	56000
Cooling Capacity Range - BTUh	18300 - 59400
Heating Capacity - BTUh	56000
Heating Capacity Range - BTUh	17600 - 57500

FAN SPEEDS	
Indoor Airflow Rate (H/M/L) - CFM	1706
Indoor Airflow Rate (H/M/L) - m³/h	2900
Outdoor Airflow Rate (H) - CFM	3525
Outdoor Airflow Rate (H) - m³/h	6000

SOUND PRESSURE	
Sound Pressure Level Indoor (H)	65
Sound Pressure Level Outdoor (H) - dB(A)	60

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	SEER2	17
EER	8.5	EER2	8.25
HSPF	10	HSPF2	8.5
COP - BTU/hW	10.58	COP2 - BTU/hW	10.58
COP - W/W	3.1	COP2 - W/W	3.1
Energy Star	No		

NET DIMENSIONS & WEIGHTS	
Indoor Unit Net Dimensions (H x W x D) - in	53-7/8 x 22 x 24
Indoor Unit Net Dimensions (H x W x D) - mm	1,370 x 560 x 610
Indoor Unit Gross Dimensions (H x W x D) - in	55-1/2 x 25-1/4 x 28
Indoor Unit Gross Dimensions (H x W x D) - mm	1,410 x 640 x 710
Outdoor Unit Net Dimensions (H x W x D) - in	54-5/8 x 37-3/8 x 13-3/8
Outdoor Unit Net Dimensions (H x W x D) - mm	1,386 x 950 x 340
Outdoor Unit Gross Dimensions (H x W x D) - in	60-1/4 x 43-3/4 x 18-1/8
Outdoor Unit Gross Dimensions (H x W 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)	251.3 (114)

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

COMPRESSOR	
Compressor Type	Rotary

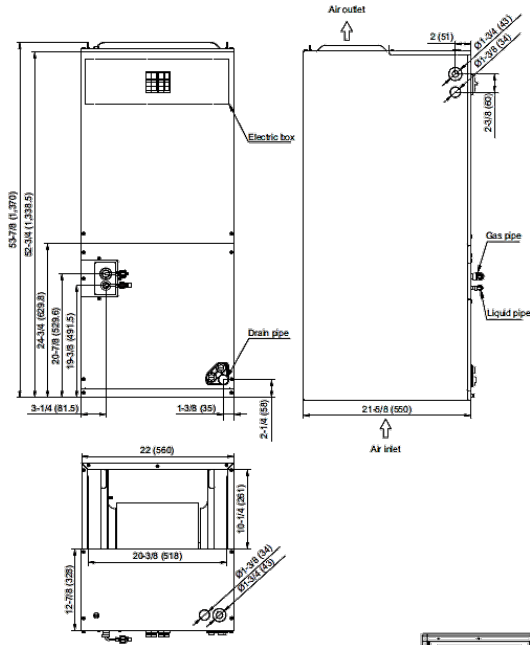
**WARRANTY**

**7 Year Compressor, 5 Year Parts Warranty**

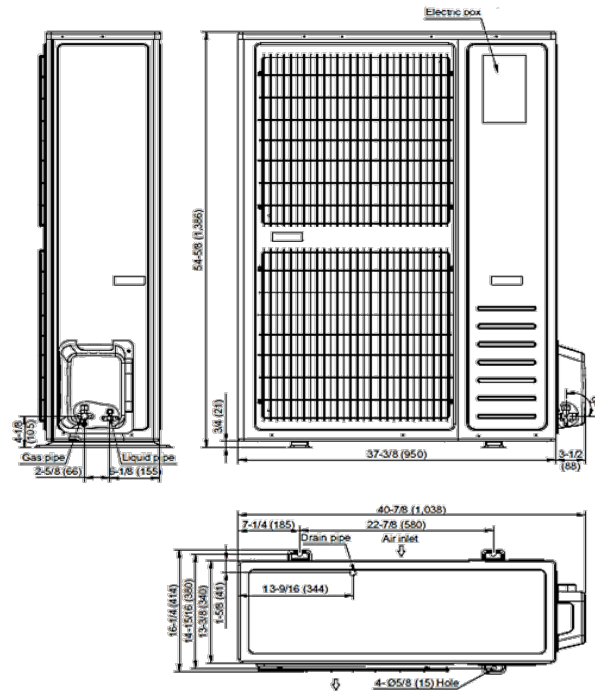
Note: Specifications are based on the following conditions:  
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (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
WHM60DMA21S	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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