

Submittal P24M3A2

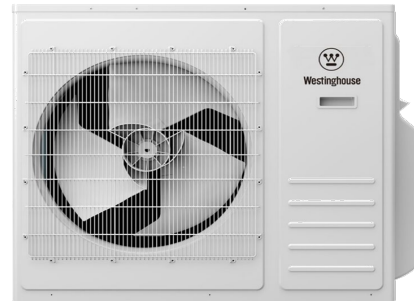
24,000 BTU Multi Zone Heat Pump Outdoor Unit

Job Name _____
Location _____
Engineer _____
Submitted To _____
Submitted By _____
Reference _____

Date _____
Approval _____
Construction _____
Unit No _____
Drawing No _____

FEATURES

- Heating down to -13°F(-25°C)
- Built-in Base Pan Heater
- Compatible with Wall Mount, Cassette, & Horizontal Ducted Indoor Units
- 2 to 3 Zone System
- Compressor Pre-Heating


SYSTEM COMPONENTS

Outdoor Unit Model Number	WHP24M3A21S
System Model Number	P24M3A2

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling - °F (°C)	14°F to 115°F (-10°C to 46°C)
Heating - °F (°C)	-13°F to 75°F (-25°C to 24°C)

ELECTRICAL

Voltage/Phase/Frequency	208 / 230V, 1-Phase, 60Hz
Voltage Range - V	198 - 253
MCA - A	25
Max Circuit Breaker - A	30
Max. Current (Cooling) - A	13
Max. Current (Heating) - A	17.5
Rated Current (Cooling) - A	8.7
Rated Current (Heating) - A	8.7
Rated Input Power (Cooling) - W	1920
Min - Max Input Power (Cooling) - W	420 - 2640
Rated Input Power (Heating) - W	1920
Min - Max Input Power (Heating) - W	420 - 4020

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)

CAPACITIES

Total Connectable Capacity	21,000-31,000
Cooling Capacity - BTUh	24000
Cooling Capacity Range - BTUh	8,000—30,200
Heating Capacity - BTUh	24000
Heating Capacity Range - BTUh	5,200-37,000

EFFICIENCIES

SEER	22 SEER2	22
EER	12.5 EER2	12.5
HSPF	11 HSPF2	9.1
COP - BTU	12.5 COP 2- BTU	12.5
COP - W/W	3.66 COP2 - W/W	3.66

LINESET REQUIREMENTS

Connection Pipe Diameter - Liquid (Flare) - in (mm)	Ø1/4 (Ø6.35)
Connection Pipe Diameter - Gas (Flare) - in (mm)	Ø3/8 (Ø9.52)
Minimum Lineset Length - ft (m)	10 (3)
Maximum Lineset Length (Total) - ft (m)	196 (60)
Maximum Lineset Length (Each) - ft (m)	65 (20)
Max Height Difference (IDU higher than ODU) - ft (m)	49 (15)
Max Height Difference (ODU higher than IDU) - ft (m)	49 (15)
Pre-charged Lineset Length - ft (m)	73 (22.5)

NET DIMENSIONS & WEIGHTS

Outdoor Unit Net Dimensions (W x H x D) - in	37 3/8 x 33 1/16 x 13 3/8
Outdoor Unit Net Dimensions (W x H x D) - mm	950 x 840 x 340
Outdoor Unit Gross Dimensions (W x H x D) - in	43 11/16 x 36 1/4 x 18 1/8
Outdoor Unit Gross Dimensions (W x H x D) - mm	1110 x 920 x 460
Outdoor Unit - Net Weight - lbs (kg)	159 (72)
Outdoor Unit - Gross Weight - lbs (kg)	170 (77)

FAN DATA

Sound Pressure Level Outdoor (H) - dB(A)	59
Outdoor Airflow Rate (H) - CFM	2350

REFRIGERANT

Refrigerant Type	R410A
Refrigerant Weight - lb oz	5 lb 1 oz
Oil type	VG74 (POE)

COMPRESSOR

Compressor Type	Rotary
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WARRANTY


7 Year Compressor, 5 Year Parts Warranty



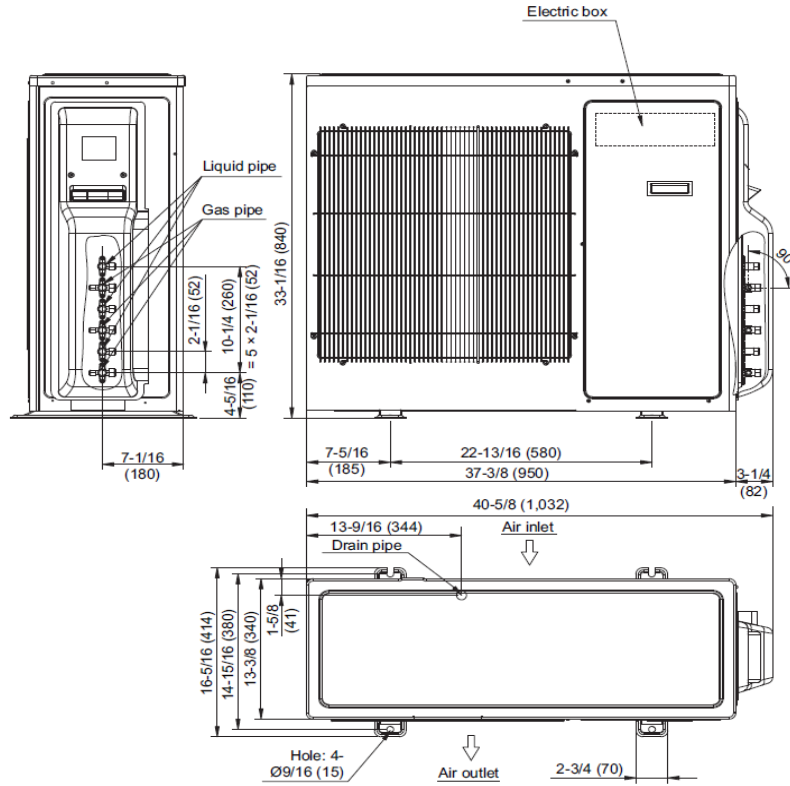
Note: Specifications are based on the following conditions:
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
 Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F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


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DIMENSIONS

Unit: In. (mm)



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
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COMBINATION TABLE

	WHP24M3A21S (3 units)				
	No.	Unit 1	Unit 2	Unit 3	Total
7k	1	7	18		25
9k	2	9	12	+	21
12k	3	9	18		27
18k	4	12	12	+	24
24k	5	12	18		30
	6	7	7	7	21
	7	7	7	9	23
	8	7	7	12	26
	9	7	9	9	25
	10	7	9	12	28
	11	7	12	12	31
	12	9	9	9	27
	13	9	9	12	30

NOTES:

	Additional zone not allowed
	Allowed connectable capacity combination is over 100%
	Available circuit for future expansion

System connection Range 80% - 130%