

Submittal P18M2A2

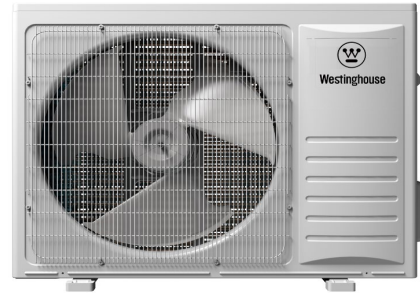
18,000 BTU Multi Zone Heat Pump Outdoor Unit

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 Zone System
- Compressor Pre-Heating


SYSTEM COMPONENTS

Outdoor Unit Model Number	WHP18M2A21S
System Model Number	P18M2A2

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	21
Max Circuit Breaker - A	30
Max. Current (Cooling) - A	12
Max. Current (Heating) - A	15.4
Rated Current (Cooling) - A	6.5
Rated Current (Heating) - A	6.9
Rated Input Power (Cooling) - W	1440
Min - Max Input Power (Cooling) - W	510 - 2610
Rated Input Power (Heating) - W	1530
Min - Max Input Power (Heating) - W	450 - 3510

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	16,000-21,000
Cooling Capacity - BTU/h	18000
Cooling Capacity Range - BTU/h	7,500—24,000
Heating Capacity - BTU/h	18000
Heating Capacity Range - BTU/h	5,800-28,700

EFFICIENCIES

SEER	22	SEER2	21
EER	12.5	EER2	12.5
HSPF	11	HSPF2	9.5
COP - BTU	11.76	COP 2- BTU	11.77
COP. - W/W	3.45	COP2. - W/W	3.45

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)	164 (50)
Maximum Lineset Length (Each) - ft (m)	82 (25)
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)	49 (15)

NET DIMENSIONS & WEIGHTS

Outdoor Unit Net Dimensions (W x H x D) - in	33 7/8 x 26 3/8 x 12 3/16
Outdoor Unit Net Dimensions (W x H x D) - mm	860 x 670 x 310
Outdoor Unit Gross Dimensions (W x H x D) - in	39 x 28 3/4 x 17 11/16
Outdoor Unit Gross Dimensions (W x H x D) - mm	990 x 730 x 450
Outdoor Unit - Net Weight - lbs (kg)	117 (53)
Outdoor Unit - Gross Weight - lbs (kg)	126 (57)

FAN DATA

Sound Pressure Level Outdoor (H) - dB(A)	55
Outdoor Airflow Rate (H) - CFM	1850

REFRIGERANT

Refrigerant Type	R410A
Refrigerant Weight - lb oz	3 lb 15 oz
Oil type	VG74 (POE)

COMPRESSOR

Compressor Type	Rotary
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WARRANTY


7 Year Compressor, 5 Year Parts Warranty



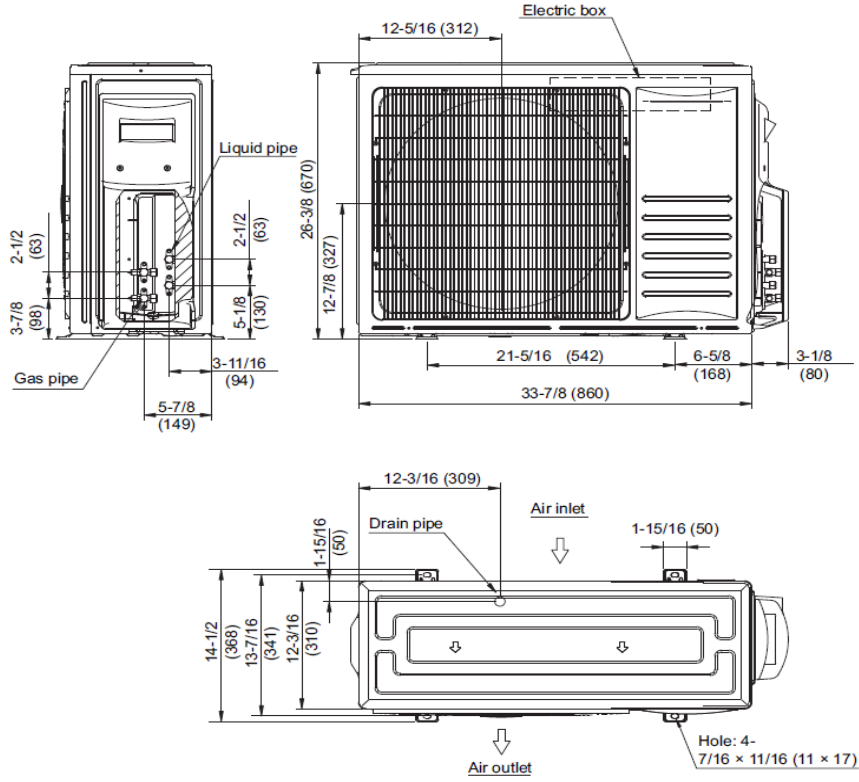
Note: Specifications are based on the following conditions:
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
 Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F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

	WHP18M2A21S (2 units)			
	No.	Unit 1	Unit 2	Total
7k	1	7	9	16
9k	2	7	12	19
12k	3	9	9	18
18k	4	9	12	21
24k				

NOTES:

-  Allowed connectable capacity combination is over 100%
-  Available circuit for future expansion
- System connection Range 80% - 130%



67,1+286(NR1)

RFRSRJ5