

## Submittal P18M2A2

### 18,000 BTU Multi Zone System Heat Pump Ductless System

**Job Name** \_\_\_\_\_  
**Location** \_\_\_\_\_  
**Engineer** \_\_\_\_\_  
**Submitted To** \_\_\_\_\_  
**Submitted By** \_\_\_\_\_  
**Reference** \_\_\_\_\_

**Date** \_\_\_\_\_  
**Approval** \_\_\_\_\_  
**Construction** \_\_\_\_\_  
**Unit No** \_\_\_\_\_  
**Drawing No** \_\_\_\_\_

**FEATURES**

- Heating down to -4°F(-20°C)
- Base Pan Heater
- Washable Filter
- Auto restart
- Compressor Pre-Heating


**SYSTEM COMPONENTS**

Outdoor Unit Model Number	WHP18M2A21S
System Model Number	P18M2A2
Indoor Unit	Non-Ducted

**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

**CAPACITIES**

Total Connectable Capacity	18,000-21,000
Cooling Capacity - BTUh	18,000
Cooling Capacity Range - BTUh	7,500-24,000
Heating Capacity - BTUh	18,000
Heating Capacity Range - BTUh	5,800-28,700

**LINESET REQUIREMENTS**

Connection Pipe Diameter - Liquid (Flare) - in (mm)	1/4 (6.35)
Connection Pipe Diameter - Gas (Flare) - in (mm)	3/8 (9.52)
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)

**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)

**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)

**EFFICIENCIES**

SEER	22
EER	12.5
HSPF	11
COP - BTU	11.76
COP - W/W	3.45

**NET DIMENSIONS & WEIGHTS**

Outdoor Unit Net Dimensions (W x H x D) - in	33 14/16 x 26 6/16 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 12/16 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	410A
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 out-of-the-box Warranty



**ETL: 5013707**

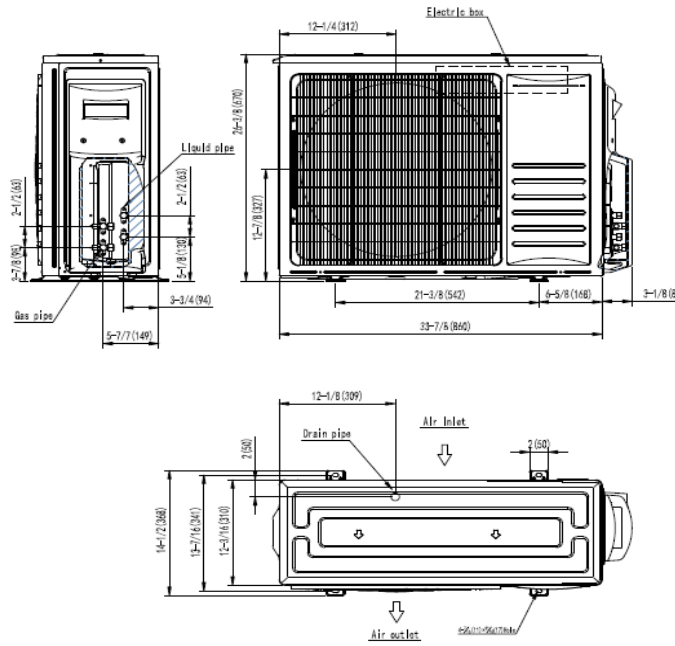
Note: Specifications are based on the following conditions:  
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.  
 Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F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


WHP18M2A21S		
ZONE 1	ZONE 2	TOTAL
9	12	21
9	9	18


WHP24M3A21S			
ZONE 1	ZONE 2	ZONE 3	TOTAL
12	18		30
9	18		27
9	12	+	21
12	12	+	24
9	9	12	30
9	9	9	27

9k
12k
18k
24k

WHP36M4A21S				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
18	24			42
12	24	+	+	36
9	24	+	+	33
12	18	+	+	30
18	18	+	+	36
9	12	24		45
9	9	24		42
12	12	18		42
9	12	18		39
9	9	18	+	36
9	18	18		45
9	9	12	+	30
9	12	12	+	33
12	12	12	+	36
9	9	9	18	45
9	9	9	12	39
9	9	12	12	42
9	12	12	12	45
9	9	9	9	36

#### NOTES:

 Additional zone note allowed

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