

Submittal P36M4A2

36,000 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 4 Zone System
- Compressor Pre-Heating


SYSTEM COMPONENTS

Outdoor Unit Model Number	WHP36M4A21S
System Model Number	P36M4A2

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	32.2
Max Circuit Breaker - A	50
Max. Current (Cooling) - A	22
Max. Current (Heating) - A	30
Rated Current (Cooling) - A	11
Rated Current (Heating) - A	13
Rated Input Power (Cooling) - W	2550
Min - Max Input Power (Cooling) - W	690 - 5010
Rated Input Power (Heating) - W	3120
Min - Max Input Power (Heating) - W	600 - 6000

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	30,000-46,000
Cooling Capacity - BTU/h	32000
Cooling Capacity Range - BTU/h	12,000—42,000
Heating Capacity - BTU/h	36000
Heating Capacity Range - BTU/h	8,000-52,000

EFFICIENCIES

SEER	21	SEER2	21
EER	12.55	EER2	12.50
HSPF	11	HSPF2	9
COP - BTU	11.54	COP 2- BTU	11.50
COP - W/W	3.38	COP2. - W/W	3.37

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)	246 (75)
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)	98 (30)

NET DIMENSIONS & WEIGHTS

Outdoor Unit Net Dimensions (W x H x D) - in	37 3/8 x 41 5/16 x 13 3/8
Outdoor Unit Net Dimensions (W x H x D) - mm	950×1050×340
Outdoor Unit Gross Dimensions (W x H x D) - in	43 11/16 x 47 1/4 x 18 1/8
Outdoor Unit Gross Dimensions (W x H x D) - mm	1110 x 1200 x 460
Outdoor Unit - Net Weight - lbs (kg)	188 (85.5)
Outdoor Unit - Gross Weight - lbs (kg)	220 (100)

FAN DATA

Sound Pressure Level Outdoor (H) - dB(A)	59
Outdoor Airflow Rate (H) - CFM	3411

REFRIGERANT

Refrigerant Type	R410A
Refrigerant Weight - lb oz	6 lb 10 oz
Oil type	VG74 (POE)

COMPRESSOR

Compressor Type	Rotary
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WARRANTY


7 Year Compressor, 5 Year Parts Warranty



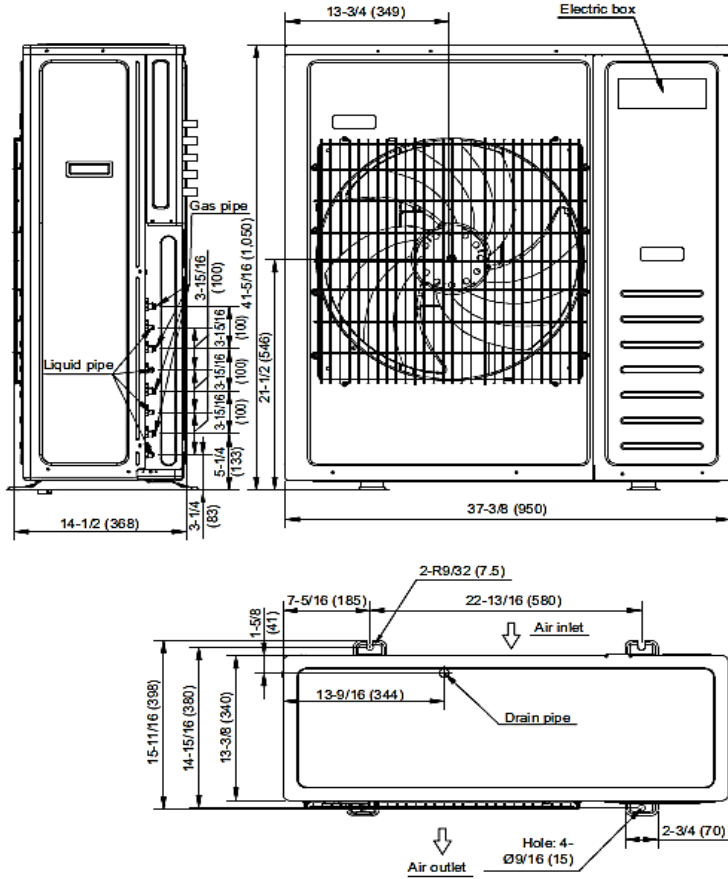
Note: Specifications are based on the following conditions:
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
 Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F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

7k
9k
12k
18k
24k

WHP36M4A21S					
No.	Unit 1	Unit 2	Unit 3	Unit 4	Total
1	7	24	+	+	31
2	9	24	+		33
3	12	18	+	+	30
4	12	24	+		36
5	18	18	+		36
6	18	24			42
7	7	7	18	+	32
8	7	7	24	+	38
9	7	9	18	+	34
10	7	9	24		40
11	7	12	12	+	31
12	7	12	18	+	37
13	7	12	24		43
14	7	18	18		43
15	9	9	12	+	30
16	9	9	18	+	36
17	9	9	24		42
18	9	12	12	+	33
19	9	12	18	+	39
20	9	12	24		45
21	9	18	18		45
22	12	12	12	+	36
23	12	12	18		42
24	7	7	7	9	30
25	7	7	7	12	33
26	7	7	7	18	39
27	7	7	7	24	45
28	7	7	9	9	32
29	7	7	9	12	35
30	7	7	9	18	41
31	7	7	12	12	38
32	7	9	9	9	34
33	7	9	9	12	37
34	7	9	9	18	43
35	7	9	12	18	46
36	7	9	12	12	40
37	7	12	12	12	43
38	9	9	9	9	36
39	9	9	9	12	39
40	9	9	9	18	45
41	9	9	12	12	42
42	9	12	12	12	45

NOTES:

- Additional zone not allowed
 - Allowed connectable capacity combination is over 100%
 - + Available circuit for future expansion
- System connection Range 80% - 130%