

Submittal P42M5A2

42,000 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	WHP42M5A21S
System Model Number	P42M5A2
Indoor Unit	Non-Ducted

ELECTRICAL

Voltage/Phase/Frequency	208 / 230V, 1-Phase, 60Hz
Voltage Range - V	198 - 253
MCA - A	35
Max Circuit Breaker - A	50
Max. Current (Cooling) - A	22
Max. Current (Heating) - A	30
Rated Current (Cooling) - A	17.5
Rated Current (Heating) - A	17
Rated Input Power (Cooling) - W	4020
Min - Max Input Power (Cooling) - W	660-5500
Rated Input Power (Heating) - W	3870
Min - Max Input Power (Heating) - W	540-6450

CAPACITIES

Total Connectable Capacity	34,000 to 54,000
Cooling Capacity - BTUh	42000
Cooling Capacity Range - BTUh	9,000-50,000
Heating Capacity - BTUh	42000
Heating Capacity Range - BTUh	9,000-52,000

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)	262 (80)
Maximum Lineset Length (Each) - ft (m)	66 (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)	123 (37.5)

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	20
EER	10.05
HSPF	10
COP - BTU	10.85
COP. - W/W	3.18

NET DIMENSIONS & WEIGHTS

Outdoor Unit Net Dimensions (W x H x D) - in	37 6/16 x 41 5/16 x 13 6/16
Outdoor Unit Net Dimensions (W x H x D) - mm	950x1050x340
Outdoor Unit Gross Dimensions (W x H x D) - in	43 11/16 x 47 4/16 x 18 2/16
Outdoor Unit Gross Dimensions (W x H x D) - mm	1110 x 1200 x 460
Outdoor Unit - Net Weight - lbs (kg)	198 (90)
Outdoor Unit - Gross Weight - lbs (kg)	234 (106)

FAN DATA

Sound Pressure Level Outdoor (H) - dB(A)	59
Outdoor Airflow Rate (H) - CFM	3413

REFRIGERANT

Refrigerant Type	410A
Refrigerant Weight - lb oz	7 lb 8 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:

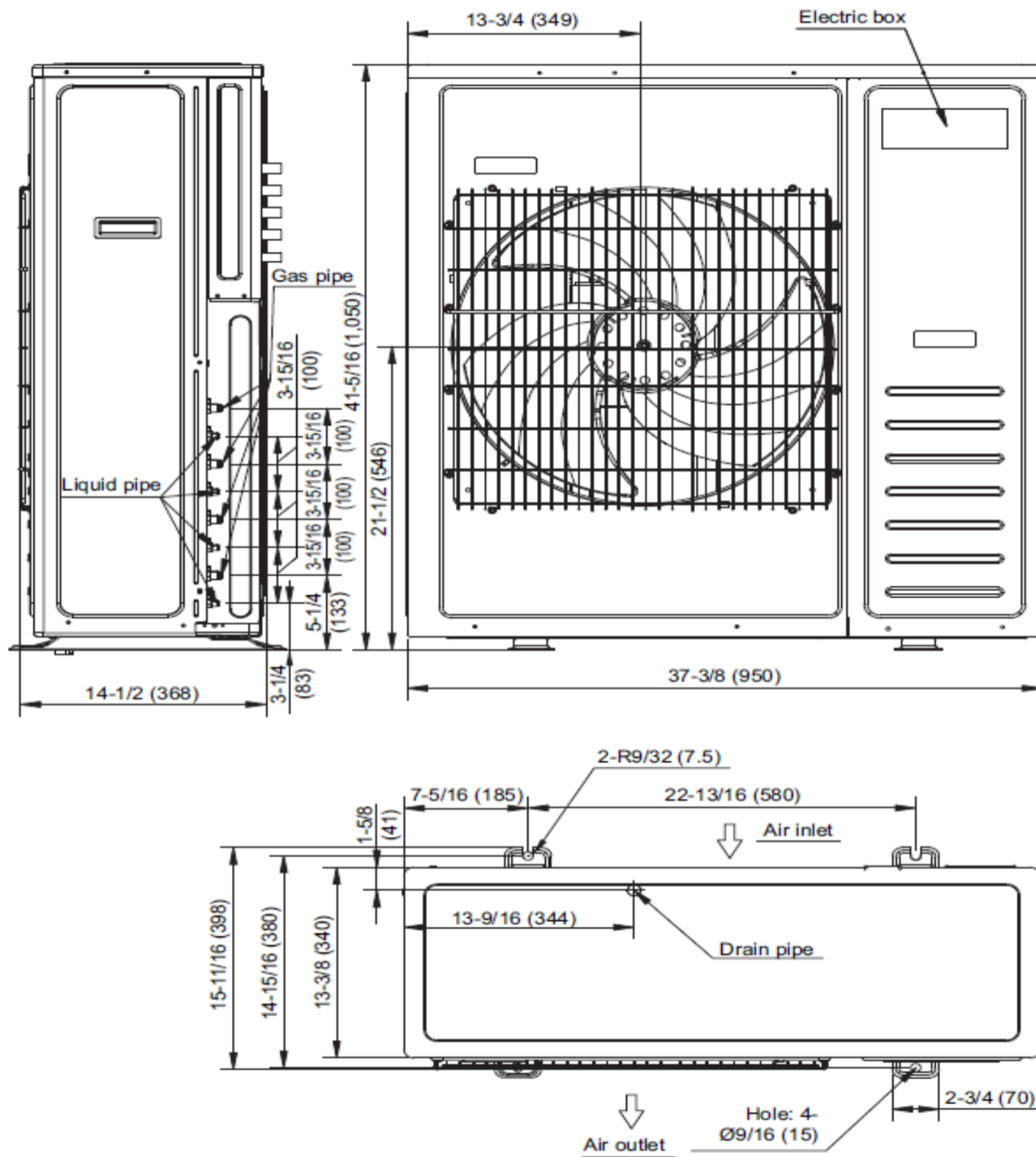
Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
 Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.
 Pipe length: 25ft. (7.5m), Height difference: 0ft.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

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DIMENSIONS

Unit: In. (mm)





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COMBINATION TABLE

	WHP42M5A21S							WHP42M5A21S						
	No.	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total	No.	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Total
7k	1	7	9	18			34	55	7	7	9	9	18	50
9k	2	7	9	24			40	56	7	7	9	12	12	47
12k	3	7	12	18			37	57	7	7	12	12	12	50
18k	4	7	12	24			43	58	7	9	9	9	9	43
24k	5	7	18	24			49	59	7	9	9	9	12	46
	6	9	9	18			36	60	7	9	9	9	18	52
	7	9	9	24			42	61	7	9	9	12	12	49
	8	9	12	18			39	62	7	9	12	12	12	52
	9	9	12	24			45	63	9	9	9	9	9	45
	10	9	18	24			51	64	9	9	9	9	12	48
	11	12	12	18			42	65	9	9	9	9	18	54
	12	12	12	24			48	66	9	9	9	12	12	51
	13	12	18	24			54	67	9	9	12	12	12	54
	14	7	7	7	18		39							
	15	7	7	7	24		45							
	16	7	7	9	12		35							
	17	7	7	9	18		41							
	18	7	7	9	24		47							
	19	7	7	12	12		38							
	20	7	7	12	18		44							
	21	7	7	12	24		50							
	22	7	9	9	9		34							
	23	7	9	9	12		37							
	24	7	9	9	18		43							
	25	7	9	9	24		49							
	26	7	9	12	12		40							
	27	7	9	12	18		46							
	28	7	9	12	24		52							
	29	7	12	12	12		43							
	30	7	12	12	18		49							
	31	9	9	9	9		36							
	32	9	9	9	12		39							
	33	9	9	9	18		45							
	34	9	9	9	24		51							
	35	9	9	12	12		42							
	36	9	9	12	18		48							
	37	9	9	12	24		54							
	38	9	12	12	12		45							
	39	9	12	12	18		51							
	40	12	12	12	12		48							
	41	12	12	12	18		54							
	42	7	7	7	7	7	35							
	43	7	7	7	7	9	37							
	44	7	7	7	7	12	39							
	45	7	7	7	7	18	46							
	46	7	7	7	7	24	52							
	47	7	7	7	9	9	39							
	48	7	7	7	9	12	42							
	49	7	7	7	9	18	48							
	50	7	7	7	9	24	54							
	51	7	7	7	12	12	45							
	52	7	7	7	12	18	51							
	53	7	7	9	9	9	41							
	54	7	7	9	9	12	44							

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