

Submittal WHM48SZA21S

48,000 BTU Single 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
- Maximum line set length is 246 ft.
- Compatible with Conventional 24V Thermostat.
- Designed for AC or HP applications
- Match with existing or new Furnace
- Cased, uncased, multi-position and upflow/ downflow configurations



SYSTEM COMPONENTS

Outdoor Unit Model Number WHM48SZA21S

ELECTRICAL

Voltage/Phase/Frequency 208 / 230V, 1-Phase, 60Hz

Voltage Range - V 198 - 253

MCA - A 35

Max Circuit Breaker - A 50

CAPACITIES

Cooling Capacity - BTUh 48,000

Cooling Capacity Range - BTUh 18,300—52,000

Heating Capacity - BTUh 48000

Heating Capacity Range - BTUh 17,600—52,000

LINESET REQUIREMENTS

Connection Pipe Diameter - Liquid (Flare) - in (mm) Ø3/8 (Ø9.52)

Connection Pipe Diameter - Gas (Flare) - in (mm) Ø7/8 (Ø22.22)

Minimum Lineset Length - ft (m) 10 (3)

Maximum Lineset Length (Total) - ft (m) 246 (75)

Maximum Lineset Length (Each) - ft (m) --

Max Height Difference (IDU higher than ODU) - ft (m) 98 (30)

Max Height Difference (ODU higher than IDU) - ft (m) 98 (30)

Pre-charged Lineset Length - ft (m) 24.6 (7.5)

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling - °F (°C) 5°F to 122°F (-15°C to 50°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

SEER2 15.55

EER2 11.4

HSPF2 8.5

COP2 - BTU --

COP2. - W/W --

NET DIMENSIONS & WEIGHTS

Outdoor Unit Net Dimensions (H x W x D) - in 54-5/8 x 37-3/8 x 13-3/8

Outdoor Unit Net Dimensions (H x W x D). - mm 1,386 x 950 x 340

Outdoor Unit Gross Dimensions (H x W x D) - in 60-1/4 x 43-3/4 x 18-1/8

Outdoor Unit Gross Dimensions (H x W x D). - mm 1,530 x 1,110 x 460

Outdoor Unit - Net Weight - lbs (kg) 227.1 (103)

Outdoor Unit - Gross Weight - lbs (kg) 253.5 (115)

FAN DATA

Sound Pressure Level Outdoor (H) - dB(A) 59

Outdoor Airflow Rate (H) - CFM 3525

REFRIGERANT

Refrigerant Type R410A

Refrigerant Weight - lb oz 8 lb 15 oz

Oil type VG74

COMPRESSOR

Compressor Type Rotary

WARRANTY



7 Year Compressor, 5 Year Parts out-of-the-box Warranty



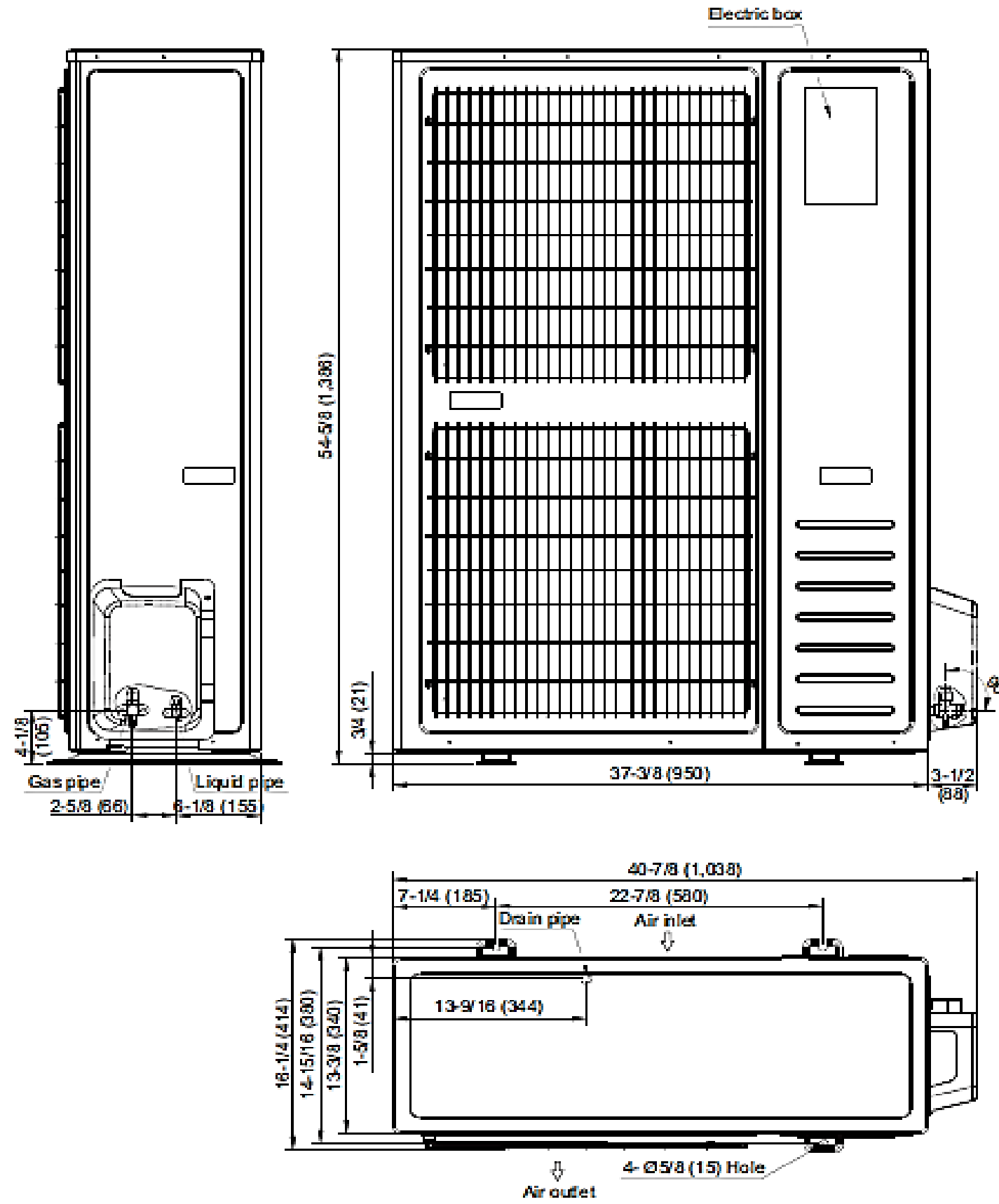
Register your system within 60 days of installation for an extended limited warranty of 10 years* (parts and compressor).

Please note that the loose coil products, parts, warranty, and service are provided by 3rd party coil manufacturer or manufacturer representative.

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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SYSTEM COMPATIBILITY

Westinghouse Outdoor Unit Model Number	Coil Manufacturer	Coil Model Number
WHM48SZA21S	ASPEN	DC61A44-245R
		D(A,C,E)48D44+TDR
		D(A,C,E)60B44+TDR
		D(A,C,E)60C44+TDR
		D(A,C,E)49D44+TDR
		D(A,C,E)61C44+TDR
		D(A,C,E)43D44+TDR
		D(A,C,E)43E44+TDR
		D(A,C,E)49C44+TDR
		D(A,C,E)61A44+TDR
		D(A,C,E)61B44+TDR
		ADP
	M60E559+TD	
	M48E67(1,2)+TXV+TD	
	M48E679+TD	
	M60E67(1,2)+TXV+TD	
	M60E679+TD	
	H,RE49(1,2)48+TXV+TD	
	H,RE49(1,2)60+TXV+TD	
	M48E49(1,2)+TXV+TD	
	M48E499+TD	
	M60E49(1,2)+TXV+TD	
	M60E499+TD	
	H,RE84(1,2)48+TXV+TD	
	H,RE84(1,2)60+TXV+TD	
	H,RE49948+TD	
	H,RE84948+TD	
	H,RE84960+TD	

PRODUCT NOMENCLATURE : ASPEN COILS

C	A	24	A3	G	145	L	-000
Series	Configuration	Nominal Tonnage (MBTUH)	Coil Descriptor Code	Metering device		Refrigerant and plumbing connections	Option Code
C = C Series (Copper) D = D Series (Aluminum)	A = uncased up/down C = cased up/down E = cased multi-position VersaCoil		(face area, rows, fpi)	4 = non-bleed A/C or H/P R410 TXV 6 = 20% bleed A/C or H/P R410 TXV B = 20% bleed A/C or H/P R22 TXV F = R-22 Flo-rater G = R-410A Flo-rater X = non-bleed A/C or H/P R22 TXV	CA, DA Series: Drain pan width code CB, CC, CE, CR, CS, DC, DE, DR, DS Series: Furnace width code CH Series: cabinet width code	L = left-hand plumbing and refrigerant connections R = right-hand plumbing and refrigerant connections T = refrigerant out the top, plumbing out opposite sides	

PRODUCT NOMENCLATURE : ADP COILS

H	G30	9	24	D	145	B	12	05	AP	N
Cabinet Color	Slab No.	Refrigerant Type & Metering Device (Field Configurable)	Nominal MBTUH	Cabinet Depth	Width	Cabinet Upper Notch	Cabinet Height	Configuration	Access Port	Refrigerant Detection System (Field Configurable)
H = Embossed	E & A = Copper slab G = Aluminum slab	1 = Piston ¹ (R-410A) 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV		A = Uncased C = 20.5" ⁽²⁾ D = 21.0" E = 21.5"	<u>Cased</u> 140 = 14.0" 142 = 14.25" 145 = 14.5" 175 = 17.5" 210 = 21.0" 245 = 24.5" <u>Uncased</u> 130 = 13.0" 140 = 14.0" 155 = 15.5" 170 = 17.0" 200 = 20.0" 205 = 20.5"	A = Uncased B = 0.75" (Standard)	00 = Uncased 12 = 12.5" 16 = 16.5" 18 = 18.5" (up to 31.5")	00 = Right-hand uncased 01 = Right-hand cased 04 = Left-hand uncased 05 = Left-hand cased 20 = Right-hand cased multi-position 22 = Left-hand cased multi-position	AP = TXV Access Port	R = Included (Factory Installed) N = Not Included (Field Installed)

¹Piston will always be sized to match the nominal BTU rating of the coil. See Spec Guide for additional nomenclature details.

M	24	E32	9	N
Series	Nominal MBTUH	Slab No.	Refrigerant Type & Metering Device (Field Configurable)	Refrigerant Detection System (Field Configurable)
M = Manufactured Housing		E30 E31	1 = Piston1 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV	R = Included (Factory Installed) N = Not Included (Field Installed)

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