

Submittal U12SZA2D

12,000 BTU Horizontal Duct - Heat Pump Ductless System

Job Name _____
Location _____
Engineer _____
Submitted To _____
Submitted By _____
Reference _____

Date _____
Approval _____
Construction _____
Unit No _____
Drawing No _____

FEATURES

- Wired Remote Controller Included
- Cool/Dry/Heat Modes
- Weekly Timer
- Auto Restart
- Cold Air Prevention
- Antifreezing Function



SYSTEM COMPONENTS

Indoor Unit Model Number	WHU12DHA21S
Outdoor Unit Model Number	WHU12SZA21S
System model number	U12SZA2D

ELECTRICAL

Voltage/Phase/Frequency	208 / 230V, 1-Phase, 60Hz
Voltage Range - V	198 - 253
MCA - A	12
Max Circuit Breaker - A	20
Max. Current (Cooling) - A	20
Max. Current (Heating) - A	20
Rated Current (Cooling) - A	4.8
Rated Current (Heating) - A	4.8
Rated Input Power (Cooling) - W	1091
Min - Max Input Power (Cooling) - W	375 - 1280
Rated Input Power (Heating) - W	1091
Min - Max Input Power (Heating) - W	457 - 1611

CAPACITIES

Cooling Capacity - BTUh	12000
Cooling Capacity Range - BTUh	5800 - 13100
Heating Capacity - BTUh	12000
Heating Capacity Range - BTUh	4400 - 14400

FAN SPEEDS

Indoor Airflow Rate (H/M/L) - CFM	324/285/235
Indoor Airflow Rate (H/M/L) - m ³ /h	550/484/400
Outdoor Airflow Rate (H) - CFM	1355
Outdoor Airflow Rate (H) - m ³ /h	2300
Static Pressure Range - WG(Pa)	0 to 0.2 (0 to 50)

SOUND PRESSURE

Sound Pressure Level Indoor (H/M/L) - dB(A)	36/34/33- Cooling & Heating
Sound Pressure Level Outdoor (H) - dB(A)	52

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 (3.04)
Maximum Lineset Length (Total) - 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)	24.6 (7.5)

WARRANTY



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

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling - °F (°C)	5°F to 118°F (-15°C to 48°C)
Heating - °F (°C)	-4°F to 75°F (-20°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)
Mositure Removal pints/h (L/h)	2.3 (1.1)

EFFICIENCIES

SEER	19.5
EER	11
HSPF	10
COP - BTU/hW	11
COP - W/W	3.22
Energy Star	No

NET DIMENSIONS & WEIGHTS

Indoor Unit Net Dimensions (W x H x D) - in	7-1/2 x 35-7/8 x 17-5/8
Indoor Unit Net Dimensions (W x H x D) - mm	190 x 910 x 447
Indoor Unit Gross Dimensions (W x H x D) - in	11-1/4 x 42-1/2 x 22-1/4
Indoor Unit Gross Dimensions (W x H x D) - mm	285 x 1,080 x 565
Outdoor Unit Net Dimensions (W x H x D) - in	22-7/8 x 31-7/8 x 11
Outdoor Unit Net Dimensions (W x H x D) - mm	580 x 810 x 280
Outdoor Unit Gross Dimensions (W x H x D) - in	25-1/4 x 37 x 16-1/2
Outdoor Unit Gross Dimensions (W x H x D) - mm	640 x 940 x 420
Indoor Unit - Net Weight - lbs (kg)	39.7 (18)
Outdoor Unit - Net Weight - lbs (kg)	79 (36)

REFRIGERANT

Refrigerant Type	R410A
Refrigerant Weight - lb oz	2 lb 14 oz
Oil type	VG74

COMPRESSOR

Compressor Type	Rotary
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ACCESSORIES

WH-AIRDH1	IR Receiver
4175260*	Wireless Remote Controller
WWRCU	Wired Remote Controller
FJ-IR-WIFI-1NA*	Intesis IR WiFi Module
BP101WA*	Cielo Breez Plus

* Requires IR Receiver

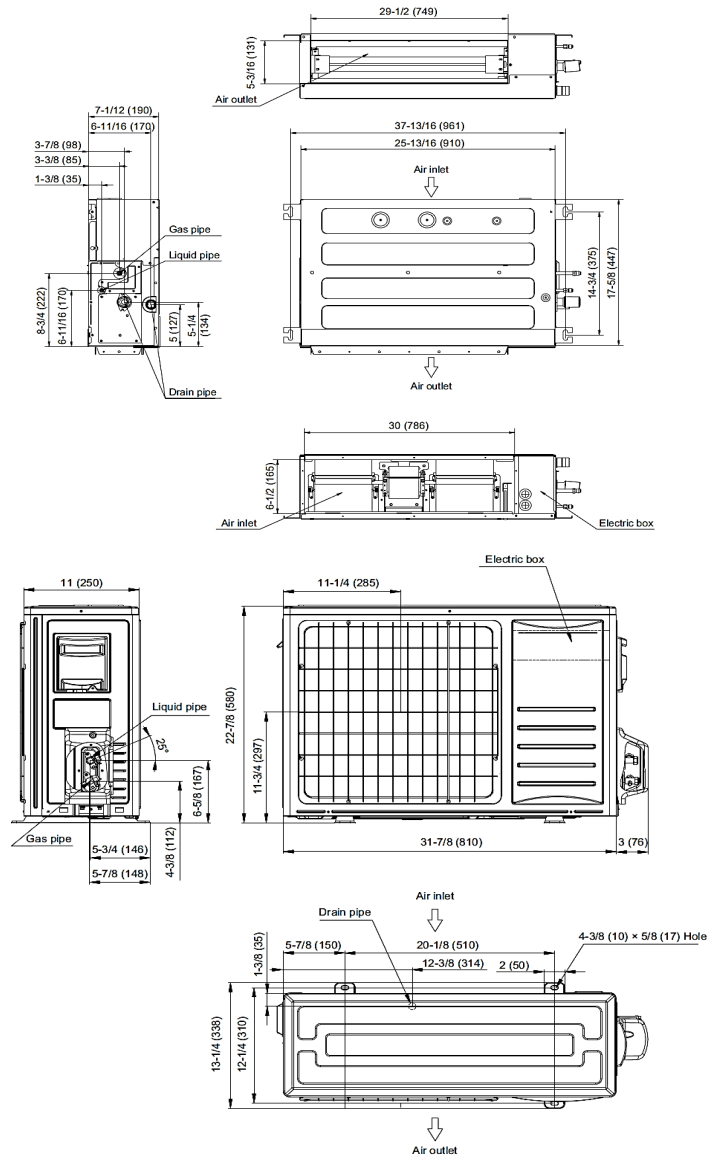


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Note: Specifications are subject to change without notice. Specifications are based on the following conditions:
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: 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).

DIMENSIONS

Unit: In. (mm)



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