

## Submittal U24SZA2D

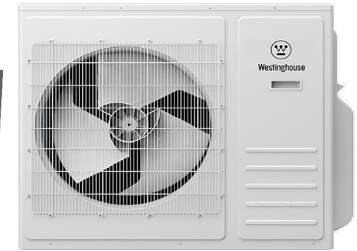
### 24,000 BTU Horizontal Duct - Heat Pump Ductless System

**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	WHU24DHA21S
Outdoor Unit Model Number	WHU24SZA21S
System model number	U24SZA2D

**ELECTRICAL**

Voltage/Phase/Frequency	208 / 230V, 1-Phase, 60Hz
Voltage Range - V	176 - 253
MCA - A	23
Max Circuit Breaker - A	35
Max. Current (Cooling) - A	35
Max. Current (Heating) - A	35
Rated Current (Cooling) - A	10.3
Rated Current (Heating) - A	8.7
Rated Input Power (Cooling) - W	2290
Min - Max Input Power (Cooling) - W	730 - 2170
Rated Input Power (Heating) - W	2275
Min - Max Input Power (Heating) - W	749 - 2304

**CAPACITIES**

Cooling Capacity - BTUh	24000
Cooling Capacity Range - BTUh	8500 - 27000
Heating Capacity - BTUh	28000
Heating Capacity Range - BTUh	7600 - 28400

**FAN SPEEDS**

Indoor Airflow Rate (H/M/L) - CFM	706/588/500
Indoor Airflow Rate (H/M/L) - m <sup>3</sup> /h	1200/1000/850
Outdoor Airflow Rate (H) - CFM	2235
Outdoor Airflow Rate (H) - m <sup>3</sup> /h	3800
Static Pressure Range - WG(Pa)	0.1 to 0.4 (25 to 100)

**SOUND PRESSURE**

Sound Pressure Level Indoor (H/M/L) - dB(A)	42/34/36- Cooling & Heating
Sound Pressure Level Outdoor (H) - dB(A)	55

**LINESET REQUIREMENTS**

Connection Pipe Diameter - Liquid (Flare) - in (mm)	Ø3/8 (Ø9.52)
Connection Pipe Diameter - Gas (Flare) - in (mm)	Ø5/8 (Ø15.88)
Minimum Lineset Length - ft (m)	10 (3.04)
Maximum Lineset Length (Total) - ft (m)	164 (50)
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)

**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)	4.0 (1.9)

**EFFICIENCIES**

SEER	18
EER	10.48
HSPF	11
COP - BTU/hW	12.31
COP - W/W	3.61
Energy Star	No

**NET DIMENSIONS & WEIGHTS**

Indoor Unit Net Dimensions (W x H x D) - in	10-5/8 x 35-3/8 x 28-3/8
Indoor Unit Net Dimensions (W x H x D) - mm	270 x 900 x 720
Indoor Unit Gross Dimensions (W x H x D) - in	13-3/8 x 46-1/8 x 34-1/4
Indoor Unit Gross Dimensions (W x H x D) - mm	340 x 1,170 x 870
Outdoor Unit Net Dimensions (W x H x D) - in	33-1/8 x 37-3/8 x 13-3/8
Outdoor Unit Net Dimensions (W x H x D) - mm	840 x 950 x 340
Outdoor Unit Gross Dimensions (W x H x D) - in	36-1/4 x 43-3/4 x 18-1/8
Outdoor Unit Gross Dimensions (W x H x D) - mm	920 x 1,110 x 460
Indoor Unit - Net Weight - lbs (kg)	66.1 (30)
Outdoor Unit - Net Weight - lbs (kg)	155 (71)

**REFRIGERANT**

Refrigerant Type	R410A
Refrigerant Weight - lb oz	5 lb 12 oz
Oil type	VG74 (POE)

**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

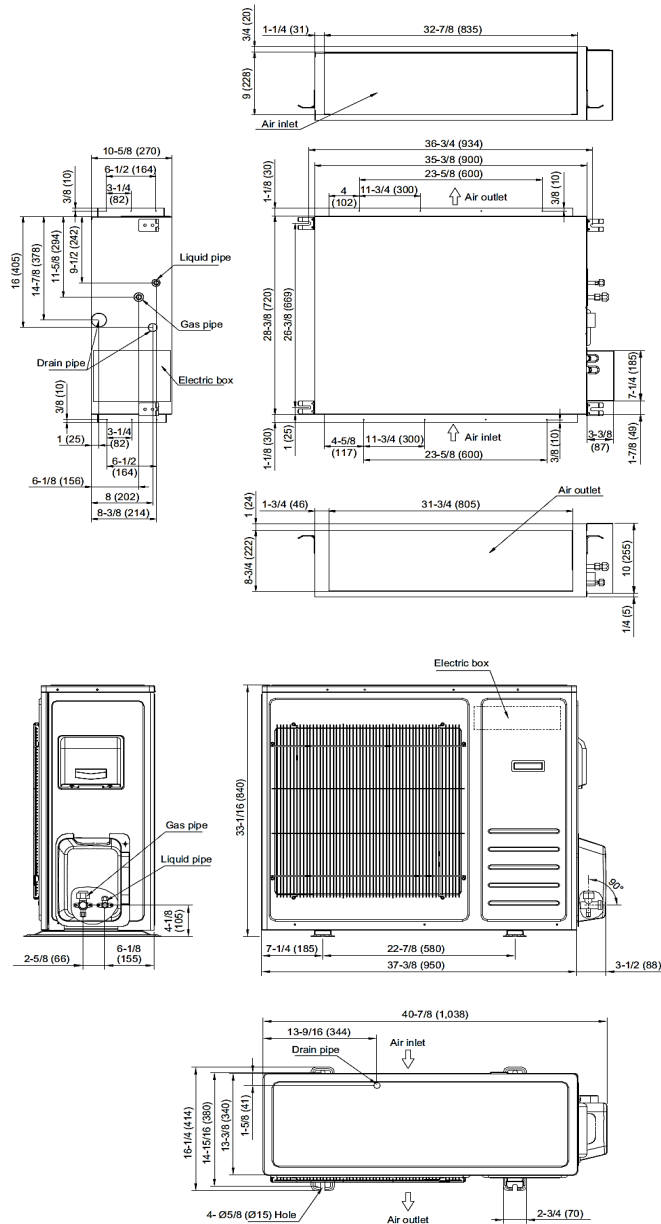
\* Requires IR Receiver



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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