

## Submittal U18SZA2D

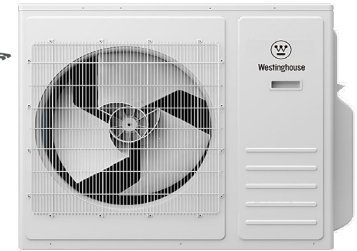
### 18,000 BTU Horizontal Duct - Heat Pump Ductless System

**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	WHU18DHA21S
Outdoor Unit Model Number	WHU18SZA21S
System model number	U18SZA2D

#### ELECTRICAL

Voltage/Phase/Frequency	208 / 230V, 1-Phase, 60Hz
Voltage Range - V	198 - 253
MCA - A	15
Max Circuit Breaker - A	20
Max. Current (Cooling) - A	20
Max. Current (Heating) - A	20
Rated Current (Cooling) - A	7.6
Rated Current (Heating) - A	7.3
Rated Input Power (Cooling) - W	1670
Min - Max Input Power (Cooling) - W	278 - 1980
Rated Input Power (Heating) - W	1600
Min - Max Input Power (Heating) - W	381 - 2320

#### CAPACITIES

Cooling Capacity - BTUh	18000
Cooling Capacity Range - BTUh	4200 - 21000
Heating Capacity - BTUh	18000
Heating Capacity Range - BTUh	5600 - 24000

#### FAN SPEEDS

Indoor Airflow Rate (H/M/L) - CFM	529/441/371
Indoor Airflow Rate (H/M/L) - m <sup>3</sup> /h	900/750/371
Outdoor Airflow Rate (H) - CFM	1853
Outdoor Airflow Rate (H) - m <sup>3</sup> /h	3150
Static Pressure Range - WG(Pa)	0 to 0.2 (0 to 50)

#### SOUND PRESSURE

Sound Pressure Level Indoor (H/M/L) - dB(A)	38/37/36- Cooling & Heating
Sound Pressure Level Outdoor (H) - dB(A)	55

#### LINESET REQUIREMENTS

Connection Pipe Diameter - Liquid (Flare) - in (mm)	Ø1/4 (Ø6.35)
Connection Pipe Diameter - Gas (Flare) - in (mm)	Ø1/2 (Ø12.70)
Minimum Lineset Length - ft (m)	10 (3.04)
Maximum Lineset Length (Total) - ft (m)	98 (30)
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)	3.2 (1.5)

#### EFFICIENCIES

SEER	19.5
EER	10.78
HSPF	10
COP - BTU/hW	11.25
COP - W/W	3.3
Energy Star	No

#### NET DIMENSIONS & WEIGHTS

Indoor Unit Net Dimensions (W x H x D) - in	7-1/2 x 46-1/2 x 17-5/8
Indoor Unit Net Dimensions (W x H x D) - mm	190 x 1,180 x 447
Indoor Unit Gross Dimensions (W x H x D) - in	11-1/4 x 53-1/8 x 22-1/4
Indoor Unit Gross Dimensions (W x H x D) - mm	285 x 1,350 x 565
Outdoor Unit Net Dimensions (W x H x D) - in	26-3/8 x 33-7/8 x 12-1/4
Outdoor Unit Net Dimensions (W x H x D) - mm	670 x 860 x 310
Outdoor Unit Gross Dimensions (W x H x D) - in	28-3/4 x 39 x 17-3/4
Outdoor Unit Gross Dimensions (W x H x D) - mm	730 x 990 x 450
Indoor Unit - Net Weight - lbs (kg)	49.6 (22.5)
Outdoor Unit - Net Weight - lbs (kg)	106 (48)

#### REFRIGERANT

Refrigerant Type	R410A
Refrigerant Weight - lb oz	3 lb 8 oz
Oil type	VG74

#### COMPRESSOR

Compressor Type	Rotary
-----------------	--------

#### 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

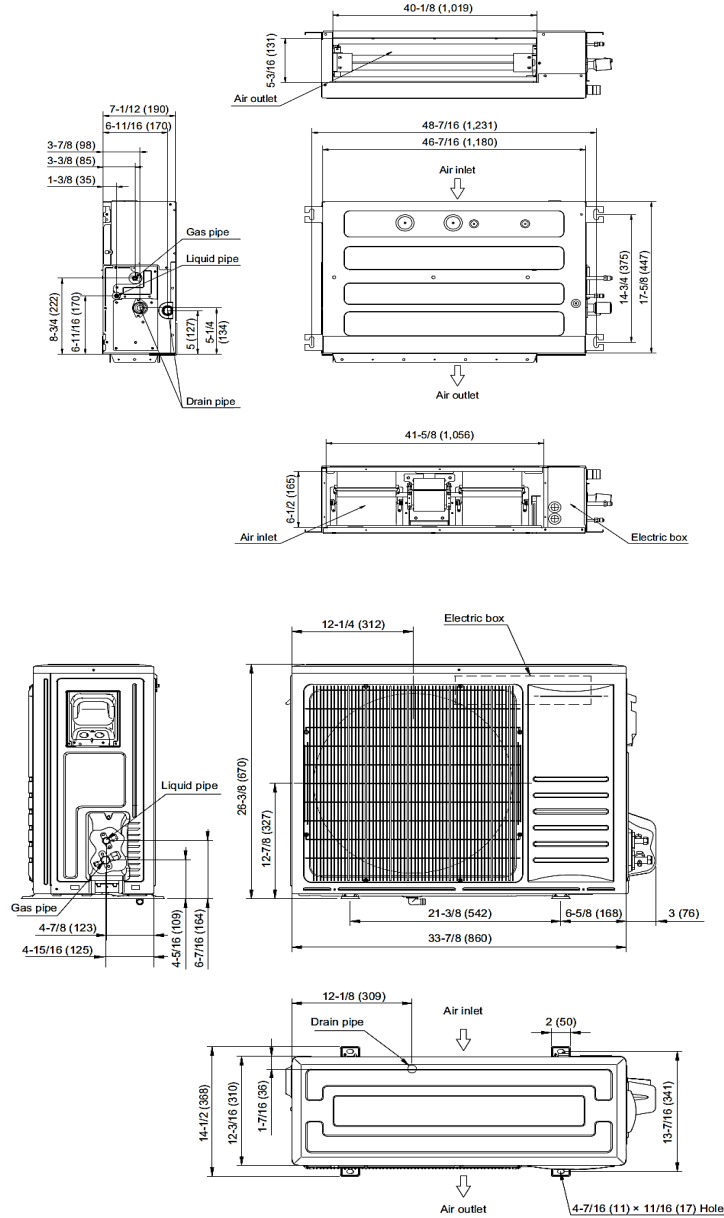
\* Requires IR Receiver



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)



and WESTINGHOUSE are trademarks of Westinghouse Electric Corporation. Used under license by FUJITSU GENERAL AMERICA, INC. All Rights Reserved.