

## Submittal Z12SZA2

### 12000 BTU Wall Mounted - Inverter Heat Pump

**Job Name** \_\_\_\_\_  
**Location** \_\_\_\_\_  
**Engineer** \_\_\_\_\_  
**Submitted To** \_\_\_\_\_  
**Submitted By** \_\_\_\_\_  
**Reference** \_\_\_\_\_

**Date** \_\_\_\_\_  
**Approval** \_\_\_\_\_  
**Construction** \_\_\_\_\_  
**Unit No** \_\_\_\_\_  
**Drawing No** \_\_\_\_\_

**FEATURES**

Wireless Remote Controller Included  
 Smart Mode  
 Super Mode  
 Auto restart  
 Quiet mode  
 °C & °F convertible  
 24 Hour Timer  
 8°C Heat Mode


**SYSTEM COMPONENTS**

Indoor Unit Model Number WHZ12WMA21S  
 Outdoor Unit Model Number WHZ12SZA21S  
 System model number Z12SZA2

**ELECTRICAL**

Voltage/Phase/Frequency 208 / 230V, 1-Phase, 60Hz  
 Voltage Range - V 187-253  
 MCA - A 7  
 Max Circuit Breaker - A 15  
 Max. Current (Cooling) - A 7  
 Max. Current (Heating) - A 7  
 Rated Current (Cooling) - A 4.6  
 Rated Current (Heating) - A 4.8  
 Rated Input Power (Cooling) - W 780  
 Min - Max Input Power (Cooling) - W 130 - 1280  
 Rated Input Power (Heating) - W 855  
 Min - Max Input Power (Heating) - W 170 - 1430

**CAPACITIES**

Cooling Capacity - BTUh 12000  
 Cooling Capacity Range - BTUh 4000 - 13500  
 Heating Capacity - BTUh 13000  
 Heating Capacity Range - BTUh 4000 - 14000

**FAN SPEEDS**

Indoor Airflow Rate (S/H/M/L/Q) - CFM 618/559/483/453/365  
 Indoor Airflow Rate (S/H/M/L/Q) - m³/h 1050/950/820/770/620  
 Outdoor Airflow Rate (H) - CFM 1177  
 Outdoor Airflow Rate (H) - m³/h 2000

**SOUND PRESSURE**

Sound Pressure Level Indoor (S/H/M/L/Q) - dB(A) 48/46/41/37/30  
 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) Ø3/8 (Ø9.52)  
 Minimum Lineset Length - ft (m) 10 (3.04)  
 Maximum Lineset Length (Total) - ft (m) 65 (20)  
 Max Height Difference (IDU higher than ODU) - ft (m) 32 (10)  
 Max Height Difference (ODU higher than IDU) - ft (m) 16 (5)  
 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) -0.4 to 115 (-18 to 46)  
 Heating - °F (°C) -13 to 75 (-25 to 24)

**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)  
 Moisture Removal pints/h (L/h) 2.5 (1.2)

**EFFICIENCIES**

SEER 25  
 EER 15.4  
 HSPF 12  
 COP - BTU/hW 15.2  
 COP - W/W 4.45  
 Energy Star No

**NET DIMENSIONS & WEIGHTS**

Indoor Unit Net Dimensions (W x H x D) - in 12-3/8 x 37-13/16 x 9-5/16  
 Indoor Unit Net Dimensions (W x H x D) - mm 315 x 960 x 236  
 Indoor Unit Gross Dimensions (W x H x D) - in 15-3/8 x 40-15/16 x 12-7/16  
 Indoor Unit Gross Dimensions (W x H x D) - mm 390 x 1,040 x 316  
 Outdoor Unit Net Dimensions (W x H x D) - in 23-1/16 x 31-7/8 x 11  
 Outdoor Unit Net Dimensions (W x H x D) - mm 585 x 810 x 280  
 Outdoor Unit Gross Dimensions (W x H x D) - in 25-3/16 x 37 x 15-3/16  
 Outdoor Unit Gross Dimensions (W x H x D) - mm 640 x 940 x 385  
 Indoor Unit - Net Weight - lbs (kg) 29 (13)  
 Outdoor Unit - Net Weight - lbs (kg) 84 (38)

**REFRIGERANT**

Refrigerant Type 410A  
 Refrigerant Weight - lb oz 2 lb 14 oz  
 Oil type VG74 (POE)

**COMPRESSOR**

Compressor Type Rotary

**ACCESSORIES**

WWRCU Wired Remote Controller  
 FJ-IR-WIFI-1NA Intesis IR WIFI Module  
 BP101WA Cielo Breez Plus



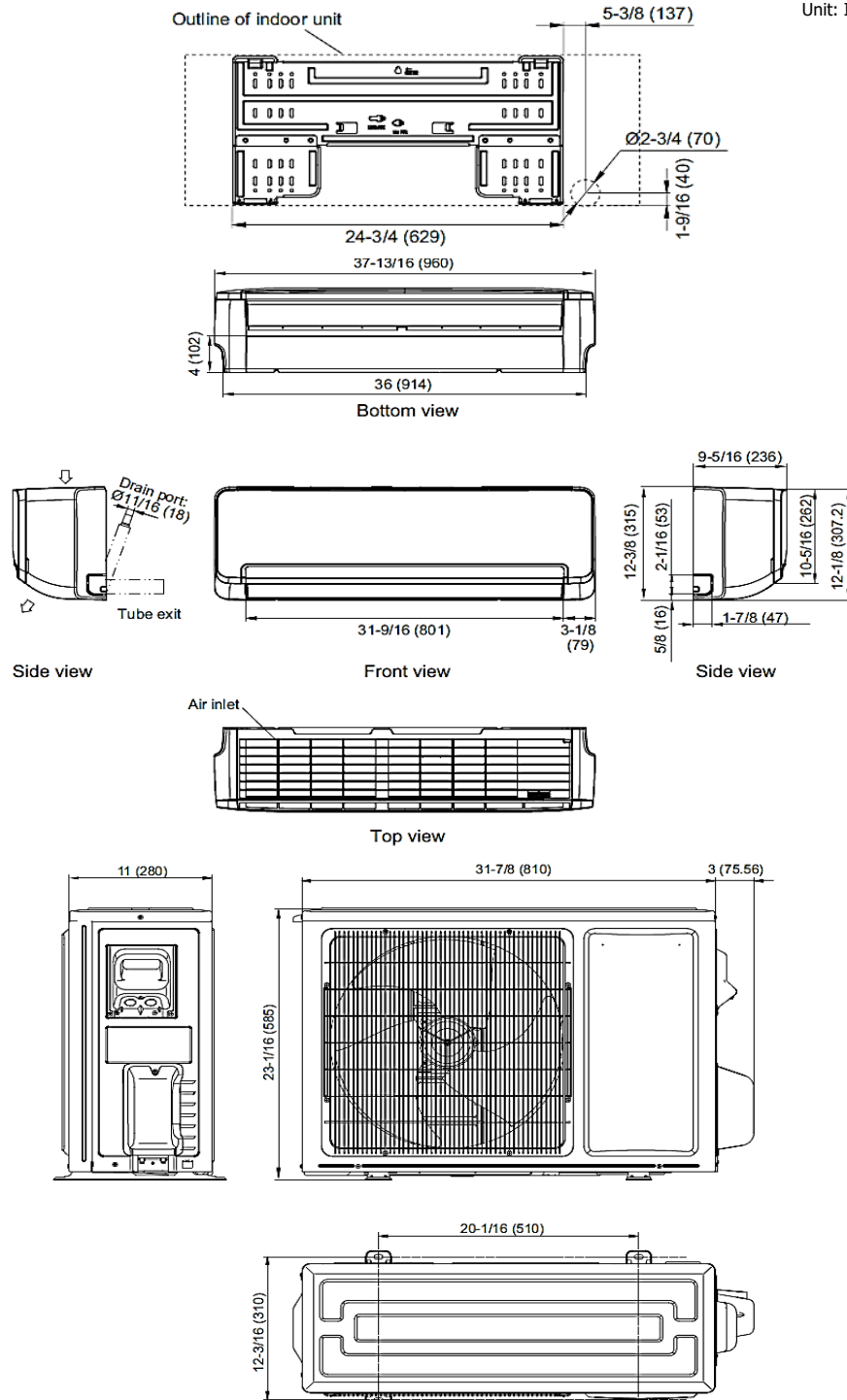
Note: Specifications are subject to change without notice. Specifications are based on the following conditions:  
 Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB. Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) 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).


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#### DIMENSIONS

Unit: In. (mm)




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