

**Submittal Data: 12RLFFH
Inverter Driven Heat Pump**

12,000 BTU Floor Type

Job Name: _____

Date: _____

Location: _____

Approval: _____

Engineer: _____

Construction: _____

Submitted to: _____

Unit #: _____

Submitted by: _____

Drawing #: _____

Reference: _____

General Features

- Swing operation
- Wired and wireless remote controllers
- Double swing automatic
- Automatic airflow adjustment
- Low noise mode
- Removable open panel
- Energy Star rated
- Base pan heater
- Extra low temperature heating
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)

Model Information

Condenser..... AOU12RLFFH
Evaporator..... AGU12RLF

Electrical..... 208/230V AC 1ph-60Hz
Available Voltage Range..... 208/230 +/- 10%
Minimum Circuit Ampacity..... 11.8 A
Max Fuse Size..... 15 A
Max Starting Current..... 6.7 A

Input Power

Cooling..... 0.91 kW
Heating..... 1.44 kW

Running Current

Cooling..... 4.2 A
Heating..... 6.7 A

Capacity

Nominal Cooling..... 12,000 Btu/h
Min-Max Cooling..... 3,100 – 14,300 Btu/h
Nominal Heating..... 16,000 Btu/h
Min-Max Heating..... 3,100 – 19,500 Btu/h

Compressor

..... Rotary (inv x1)
Motor Output..... 850 W
Refrigerant..... R410a
Charge..... 2 lbs. 10 oz.
Oil..... FREOL a68SZ

Fan Motor

(Condenser) Type: DC Propeller x1
(Condenser) Motor Output..... 115 W
(Evaporator) Type: DC..... Cross flow fan x2
(Evaporator) Motor Output..... 16 W x2

Heat Exchanger

Condenser
(H x W x D)..... 23-1/8 x 34-11/16 x 1-7/16 (588x881x36.4)
Fin Pitch..... 20 FPI
Rows x Stages..... 2 x 28
Pipe Type (Material)..... Copper
Fin Type (Material)..... Aluminum



Operation Temperature Range

Cooling..... 14°F - 115°F (-10°C - 46°C)
Heating..... -15°F - 75°F (-26°C - 24°C)

Efficiency

SEER..... 22.7
EER (cooling)..... 13.1 Btu/hW
COP (heating)..... 11.1 Btu/hW
HSPF (heating)..... 11.6 Btu/hW

Enclosure

(Condenser) Material..... Steel
(Condenser) Color..... Beige (approximate color of Munsell 10 YR 7.5/1.0)
(Evaporator) Material..... Polystyrene
(Evaporator) Color..... White (approximate color of Munsell N9.25)

Sound Pressure Level

Condenser..... 53 dB(A)
Evaporator..... 40 dB(A)

Dimensions

H x W x D
Condenser in. (mm)..... 24-7/16 x 31-1/8 x 11-7/16 (620x790x290)
Evaporator in. (mm)..... 23-5/8 x 29-1/8 x 7-7/8 (600x740x200)

Connection Pipe

Liquid..... 1/4" / 6.35 mm Flare
Gas..... 3/8" / 9.52 mm Flare
Method (Liquid/Gas)..... Brazing
Max Length (Pre-charge)..... 66 ft.(20 m) / (49 ft. (15 m))
Max Height Difference..... 49 ft. (15 m)

Weight

Condenser..... 86 lbs. (39 kg)
Evaporator..... 31 lbs. (14 kg)

Accessories

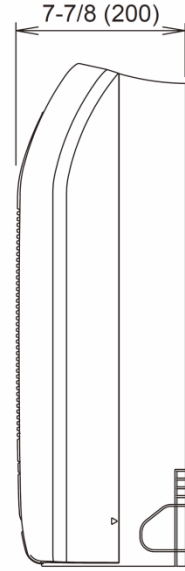
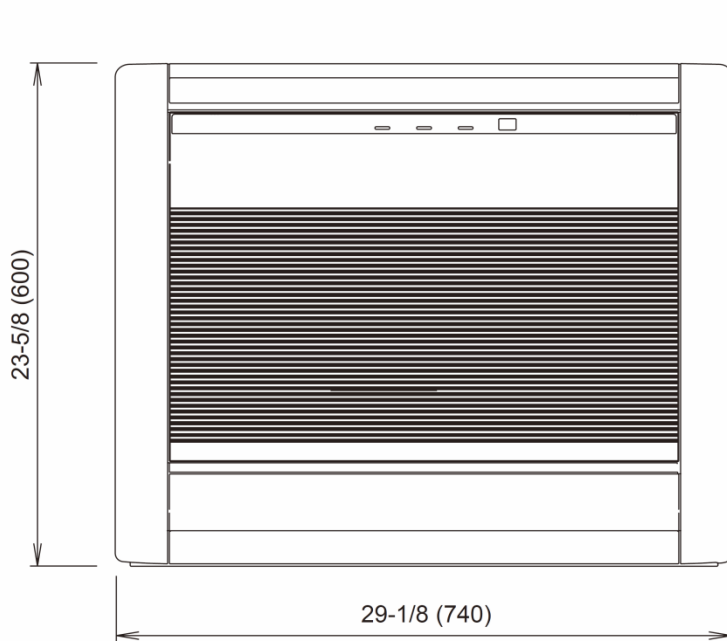
Wired Remote Controller..... UTY-RVNUM
Wired Remote Controller..... UTY-RNNUM
Simple Remote Controller..... UTY-RSNUM
Communication Kit..... UTY-TWBXF1
External Connection Kit..... UTY-XWZZ5

Note: Specifications are based on the following conditions:
Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.44°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
Heating: Indoor temperature of 70°F (21.11°C) DB/59°F (15.°C) WB, and outdoor temperature of 47°F (8.33°C) DB/43°F (6.11°C) WB.
Pipe length: 24ft. 7in. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit)



Dimensions: 12RLFFH

[Unit: in. (mm)]



Side view

