

**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

- Wired or wireless remote
- Apple catchin filter
- Ion deodorizing filter
- Sleep timer
- 24-hour timer
- Auto louver: up/down
- Base pan heater
- Low ambient heating
- Standard Warranty: 5 years parts, 7 years compressor. Applies to systems purchased before June 1st 2015*
- Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1st 2015 by licensed contractors and the online Product Registration has been submitted.**
- Elite Contractor Extended Warranty: 12 years parts, 12 years compressor. Systems that have been installed on or after June 1st 2015 by contractors who have met requirements and have been approved for elite contractor status plus, the online Product Registration has been submitted.***

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

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

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 (21.1°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)
(*Standard warranty / **10 year warranty / ***12 year warranty)

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 or 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)

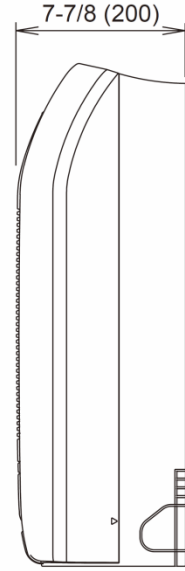
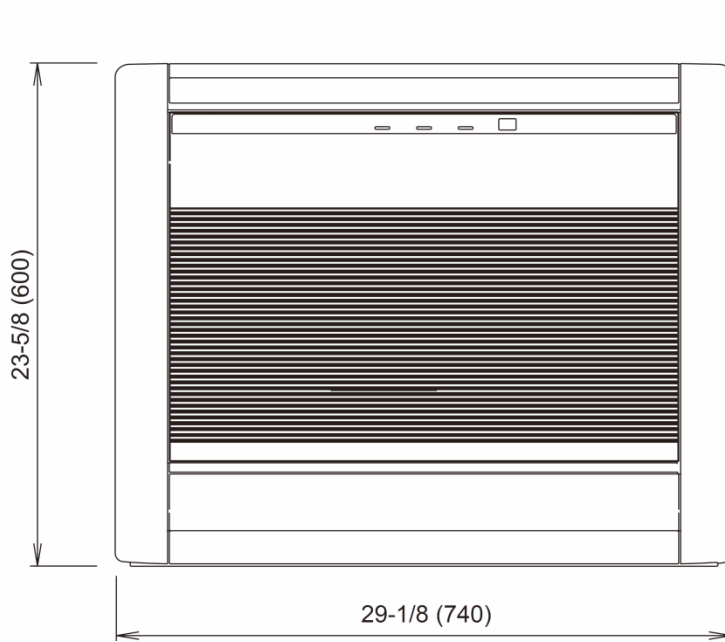
Accessories

Wired Remote Controller..... UTY-RVNUM
Wired Remote Controller..... UTY-RNNUM
Simple Remote Controller..... UTY-RSNUM
Communication Kit..... UTY-TWBOXF1
External Connection Kit..... UTY-XWZZZ5



Dimensions: 12RLFFH

[Unit: in. (mm)]



Side view

