Submittal Data:ARU18RLF **18,000 BTU Slim Duct Type**
Inverter Driven Heat Pump

Job Name:_____ Date:_____

Location:_____ Approval:_____

Engineer:_____ Construction:_____

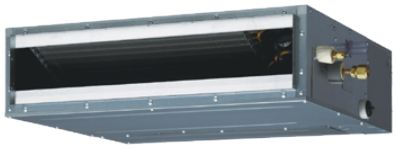
Submitted to:_____ Unit #:_____

Submitted by:_____ Drawing #:_____

Reference:_____

General Features

- •Refrigerant Type R410A.
- •Wired and wireless remote controllers
- •Auto changeover
- •Weekly timer
- •Removable open panel
- •Super quiet operation
- •Removable air filter
- •Program timer
- •5 years standard parts warranty
- •Eligible for 10 year or 12 year parts warranty. See warranty statement for details.



Model Information

Evaporator…… ARU18RLF
Condenser compatibility…… AOU18RLFC, AOU24RLXFZ, AOU24RLXFZH
AOU36RLXFZ, AOU36RLXFZ1
AOU48RLXFZ, AOU48RLXFZ1

Electrical …… 208/230V AC 1ph-60Hz

Available Voltage Range…… 208/230 +/- 10%
Minimum Circuit Ampacity…… 0.59 A
Full Load Amps…… 0.47 A
Input Power …… 73 W
Running Current…… 0.44 A

Capacity

Nominal Cooling…… 18,000 Btu/h
Nominal Heating…… 20,000 Btu/h

Fan Motor

Type: DC …… Sirocco x3
Motor Output…… 81 W
Fan Motor Protection…… off: 275 ± 27°F (135 ± 15°C)
on: 239 ± 27°F (115 ± 15°C)

Airflow Rate

Cooling (High / Medium / Low / Quiet)
554 CFM (940 m3/h) / 518 CFM (880 m3/h) / 483 CFM (820 m3/h) / 442 CFM (750 m3/h)
Heating (High / Medium / Low / Quiet)
554 CFM (940 m3/h) / 518 CFM (880 m3/h) / 483 CFM (820 m3/h) / 442 CFM (750 m3/h)

Heat Exchanger

Dimensions
(H x W x D) in. (mm) ……11-9/16 x 27-9/16 x 1-9/16 (294x700x39.9)
Fin Pitch…… 20 FPI
Rows x Stages…… 3 x 14
Pipe Type (Material)…… Copper
Type (Material)…… Polystyrene

Temperature Setting Range

Cooling…… 64°F - 90°F (18°C – 32 °C)
Heating…… 60°F - 88°F (16°C - 30°C)

Enclosure

Material……Galvanized Steel Sheet

Sound Pressure Level

Cooling
High/Medium/Low/Quiet…… 32 dB (A) / 31 dB (A) / 30 dB (A) / 29 dB (A)
Heating
High/Medium/Low/Quiet…… 33 dB (A) / 32 dB (A) / 31 dB (A) / 29 dB (A)

Dimensions

H x W x D
in. (mm)…… 7-13/16 x 35-7/16 x 24-7/16 (198x900x620)

Connection Pipe

Liquid…… 1/4" in. (6.35 mm)
Gas…… 1/2" in. (12.70 mm)
Method (Liquid/Gas)…… Flare
Drain hose
Material…… Hard PVC
Size…… Ø1 (I.D.), Ø1-1/4 (O.D.) [Ø25 (I.D.), Ø32 (O.D.) mm]

Weight

Net…… 49 lbs. (22 kg)
Gross…… 60 lbs. (27 kg)

Accessories

Wired Remote Controller…… UTY-RNNUM
Backlit Display…… UTY-RVNUM
Simple Remote Controller…… UTY-RSNUM
Remote Sensor……UTY-XSZX
Receiver Unit…… UTY-LRHUM
Slim Duct Connector Kit…… UTD-ECS5A

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)

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Fax: (973) 836-0447
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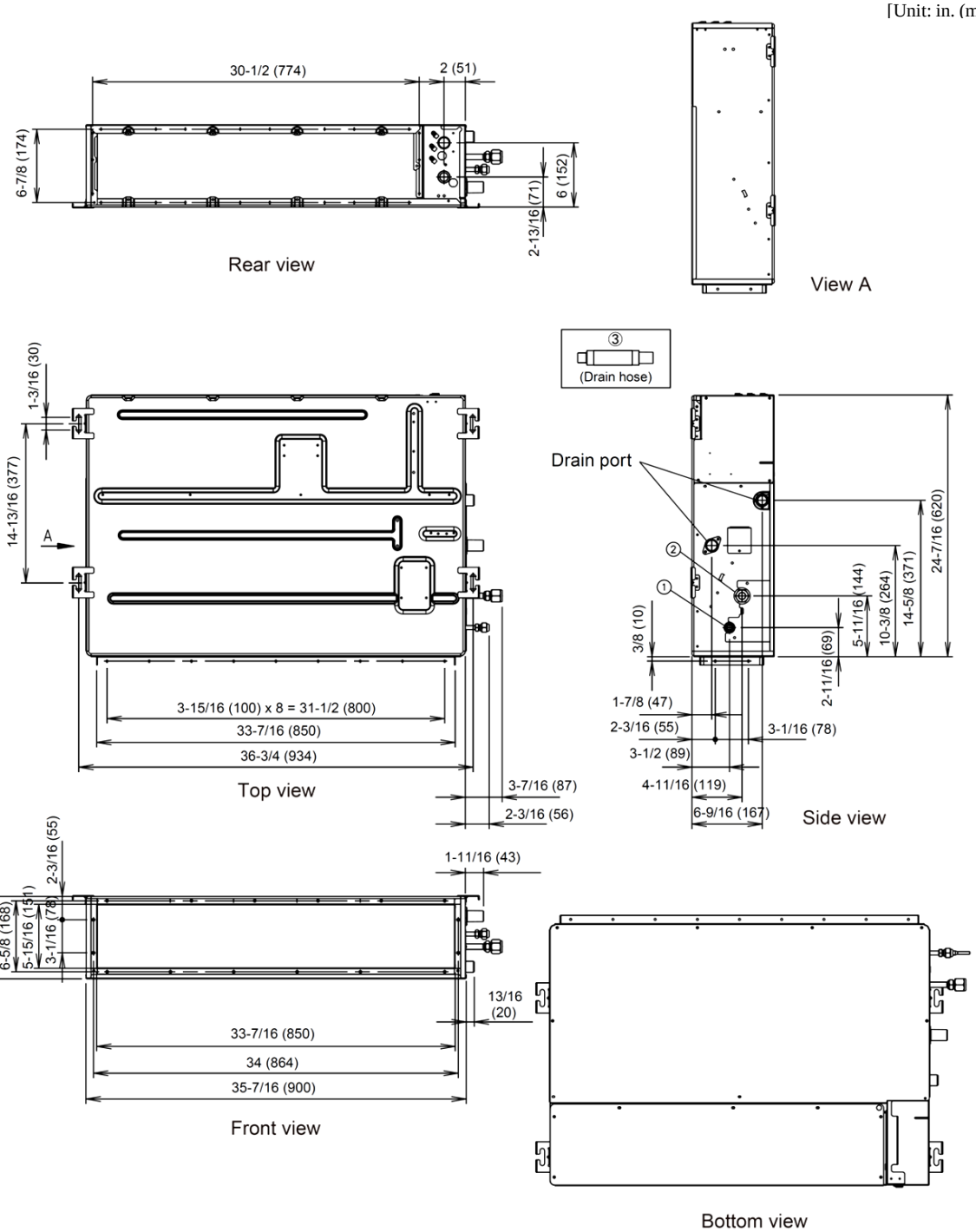
Dimensions: ARU18RLF

[Unit: in. (mm)]



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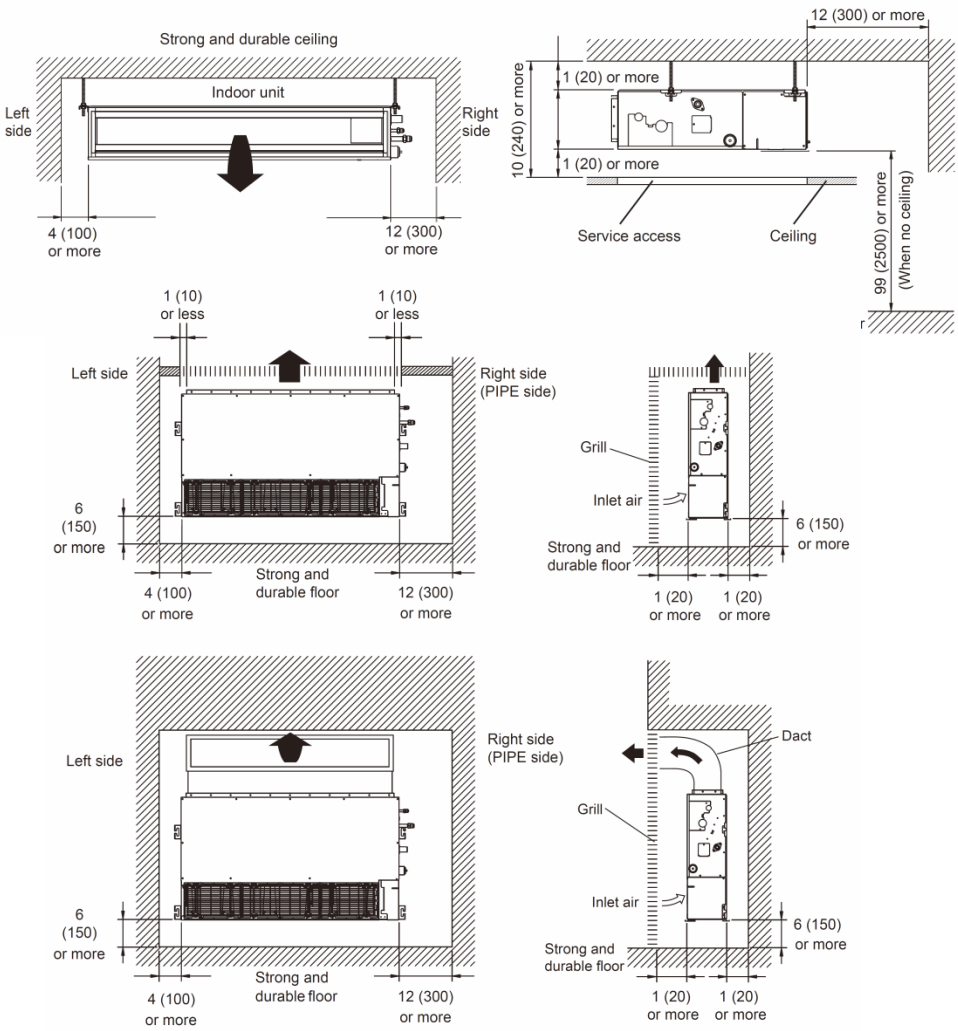
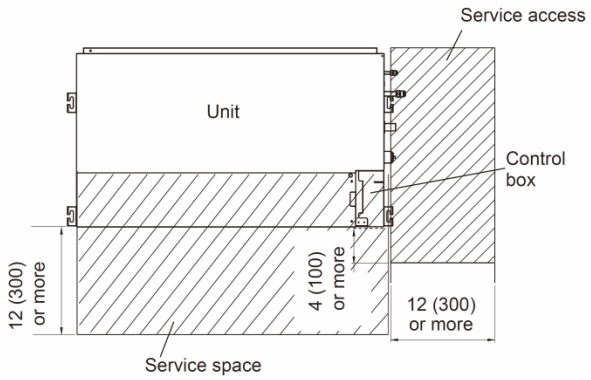
Installation Place



Maintenance Space

Provide a service access for inspection purposes as shown below. Do not place any wiring or illumination in the service space, as they will impede service.



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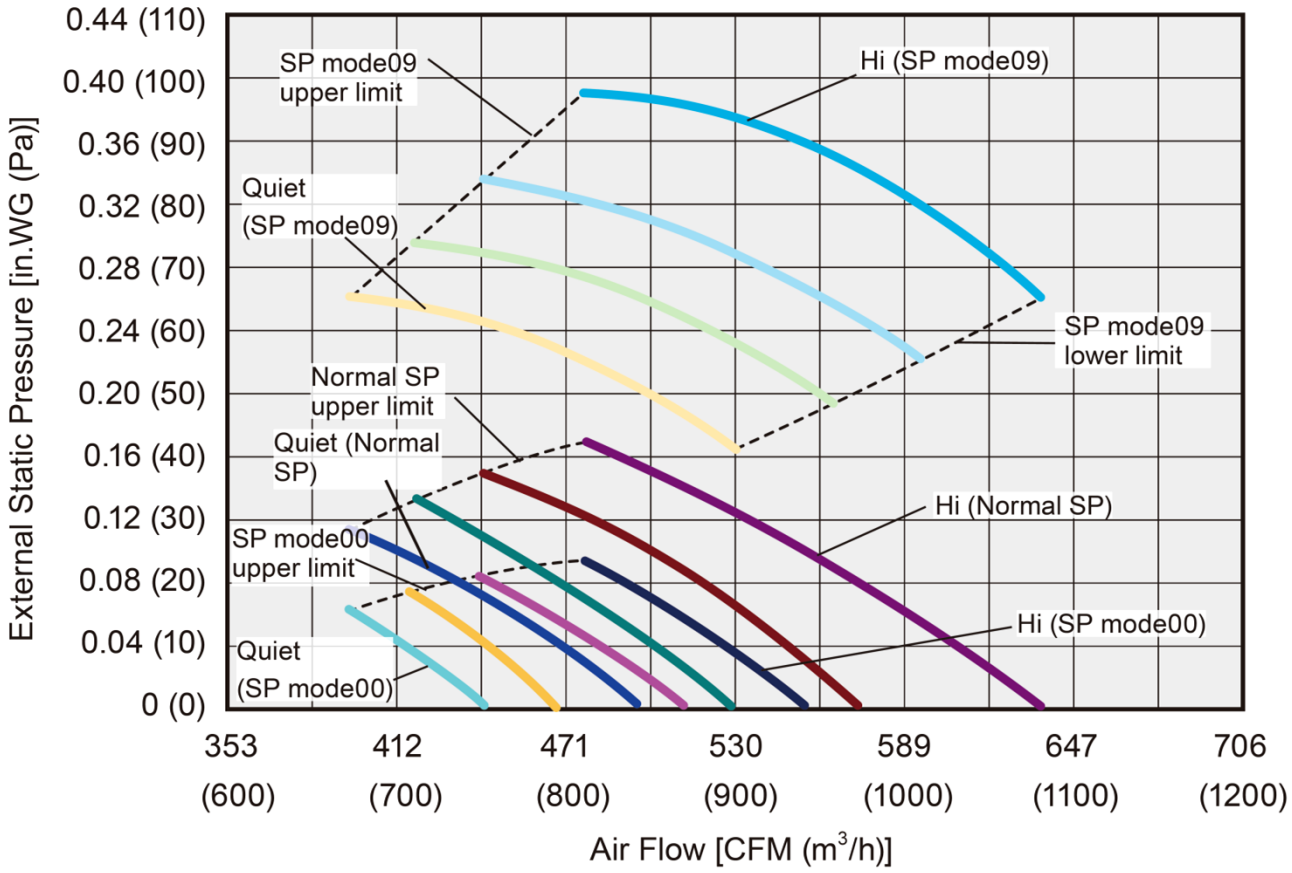
Fan Performance Curve



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