

# 12RLFF Submittal

## AOU12RLFF, AGU12RLF Inverter Driven Heat Pump



Job Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

Approval: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Construction: \_\_\_\_\_  
 Unit #: \_\_\_\_\_  
 Drawing #: \_\_\_\_\_

**Outdoor Unit Power** 208-230VAC-1Ph-60Hz  
 Available Voltage Range 187-253VAC  
 Fuse Size, Max. 15A  
 MCA 10.8A

**Compressor** Inverter Driven Variable Speed DC Rotary  
 No. used 1  
 Output 850W  
 Lubrican Oil POE (RB68)

**Fan type** Propeller  
 Motor Output 115W  
 Airflow Rate Cooling/Heating (High) 1457 / 1207CFM

**Refrigerant** 410A  
 Outdoor Unit 2lbs 10oz  
 Control Electronic Expansion Valve  
 O.D. Discharge (in) 1/4"(Flare)  
 O.D Suction (in) 3/8"(Flare)

**Dimensions** H x W x D  
 Uncrated (in) 24-7/16 x 31-1/8 x 11-7/16  
 (mm) (620 x 790 x 290)  
 Crated (in) 28-1/16 x 37-3/16 x 15-9/16  
 (mm) (713 x 945 x 395)

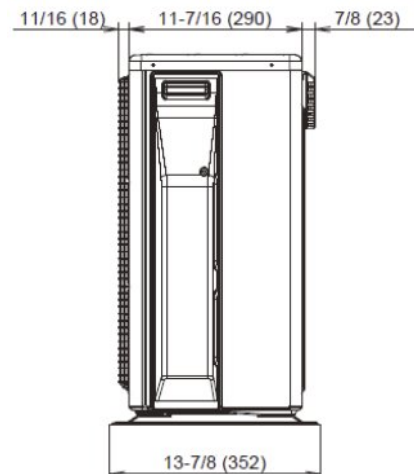
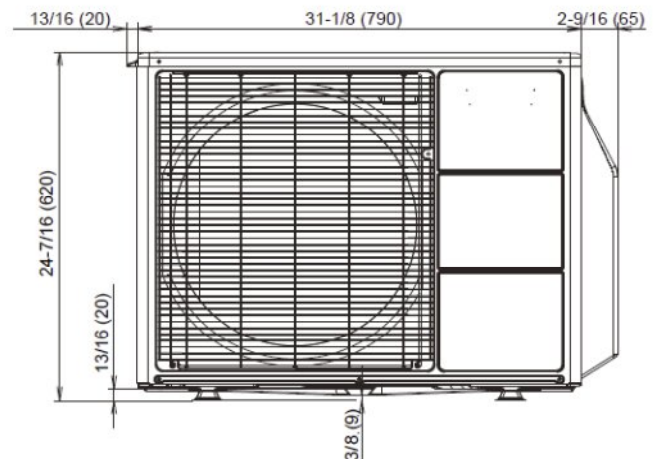
**Weight** Outdoor  
 Net 84lbs (38kg)  
 Gross Shipping 93lbs (42kg)

**Cooling**  
 Rated Capacity 12,000BTU/h  
 Min-Max Capacity 3,100~14,300BTU/h  
 Rated Power Input 0.91kw  
 Max. Power Input 2.05kw  
 SEER 22.7  
 EER 13.1  
 Outdoor Sound Rating 53dB

**Heating**  
 Rated Capacity 16,000BTU/h  
 Min-Max Capacity 3,100~19,500BTU/h  
 Rated Power Input 1.44kw  
 Max. Power Input 2.62kw  
 HSPF 11.6  
 EER 13.1  
 Outdoor Sound Rating 52dB

**Piping Lengths**  
 Max. Piping Length (Total) 66ft  
 Max. Pipe Height Difference 49ft  
 Connection method (Flared)

**Operating Range**  
 Cooling 14°F~115°F DB  
 Heating -5°F~75°F DB



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Note: Specifications are based on the following conditions.

Power source of specifications : 230V

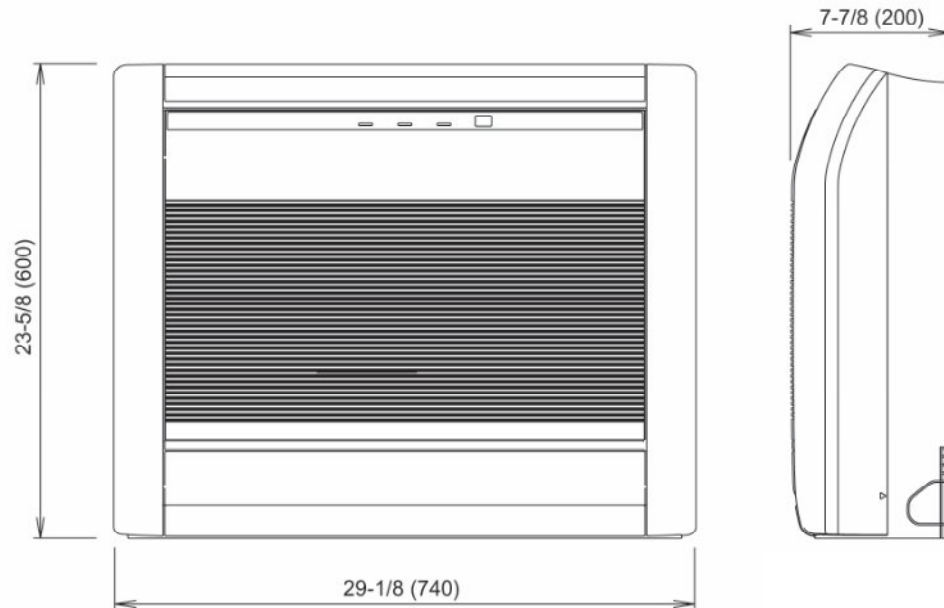
Cooling: Indoor temperature of 80°F(26.67°C)DB / 67°F(19.44°C)WB, and outdoor temperature of 95°F(35°C)DB/75°F(23.89°C)WB.

Heating: Indoor temperature of 70°F(21.11°C)DB / 60°F(15.56°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 : 0 ft.(0m) [Outdoor unit - Indoor unit]



<b>Indoor Unit Power</b>	208-230/VAC-1Ph-60Hz	
<b>Available Voltage Range</b>	187-253VAC	
<b>Fan type</b>	Cross flow	
<b>Motor Output</b>	32W	
<b>Motor Type</b>	E.C.M.	
<b>MCA</b>	0.7A	
<b>Sound Pressure Level</b>		
Cooling	Lo-Hi	23-40dB
Heating	Lo-Hi	23-40dB
<b>Airflow rate</b>		
Cooling	Lo-Hi	159-336CFM
Heating	Lo-Hi	159-353CFM
<b>Dimensions</b>	H x W x D	
Uncrated	(in)	23-5/8 x 29-1/8 x 7-7/8
	(mm)	(600 x 740 x 200)
Crated	(in)	27-9/16 x 32-5/16 x 12-3/16
	(mm)	(700 x 820 x 310)
<b>Weight</b>	Indoor	
Net	31lbs (14kg)	
Gross Shipping	37lbs (17kg)	



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