

# System 18RLFCD Submittal

**AOU18RLFC, ARU18RLF**

## Compact Duct



Job Name: Roman Catholic Bishop of Portland Approval: \_\_\_\_\_ Date: 9/28/15  
 Location: 15 Central Ave, Peaks Island Construction: \_\_\_\_\_  
 Engineer: n/a (St Christopher's) Unit #: \_\_\_\_\_  
 Submitted to: City of Portland Drawing #: \_\_\_\_\_  
 Submitted by: Loggin Energy Reference: \_\_\_\_\_

**Outdoor Unit Power** 208-230/VAC-1Ph-60Hz  
 Available Voltage Range 187-253VAC  
 Fuse Size, Max. 20A  
 MCA 17.3A

**Compressor** Inverter Driven Variable Speed DC Rotary  
 No. used 1  
 Output 1000W  
 Lubrican Oil POE (RB68)  
**Fan type** Propeller  
 Motor Output 115W  
 Airflow Rate Cooling/Heating (High) 1457 / 1407CFM

**Refrigerant** 410A  
 Outdoor Unit 2lbs 14oz  
 Control Electronic Expansion Valve  
 O.D. Discharge (in) 1/4"(Flare)  
 O.D. Suction (in) 1/2"(Flare)

**Dimensions** H x W x D  
 Uncrated (in) 24-1/2 x 31-3/32 x 11-11/32  
 (mm) (620 x 790 x 290)  
 Crated (in) 28-1/16 x 37-7/32 x 15-9/16  
 (mm) (713 x 945 x 395)

**Weight** Outdoor  
 Net 86lbs (39kg)  
 Gross Shipping 93lbs (42kg)

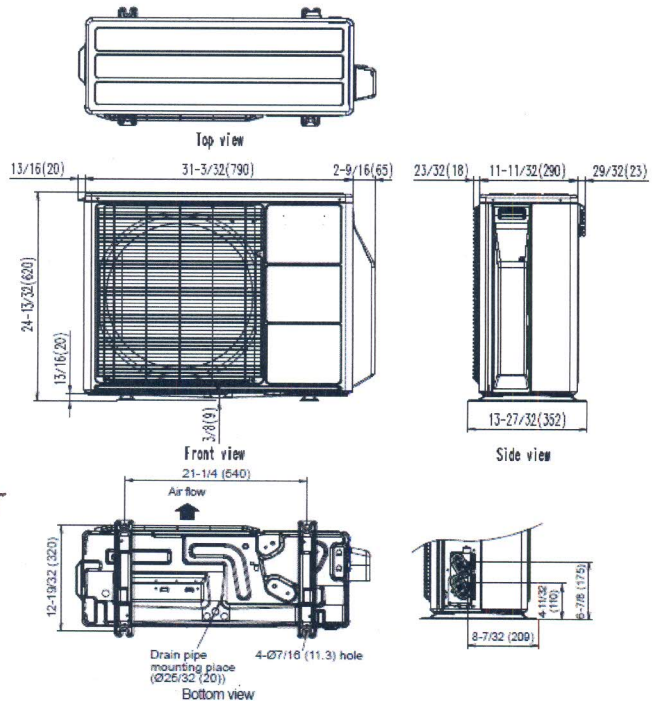
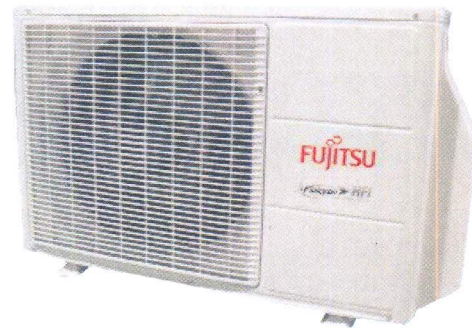
**Cooling**  
 Rated Capacity 18,000BTU/h  
 Min-Max Capacity 3,100~20,100BTU/h  
 Rated Power Input 1.50kw  
 Max. Power Input 2.15kw  
 SEER 19.7  
 EER 12.0  
 Outdoor Sound Rating 54dB

**Heating**  
 Rated Capacity 21,600BTU/h  
 Min-Max Capacity 3,100~25,600BTU/h  
 Rated Power Input 1.67kw  
 Max. Power Input 2.60kw

**HSPF** 11.3  
 EER 12.9  
 Outdoor Sound Rating 55dB

**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



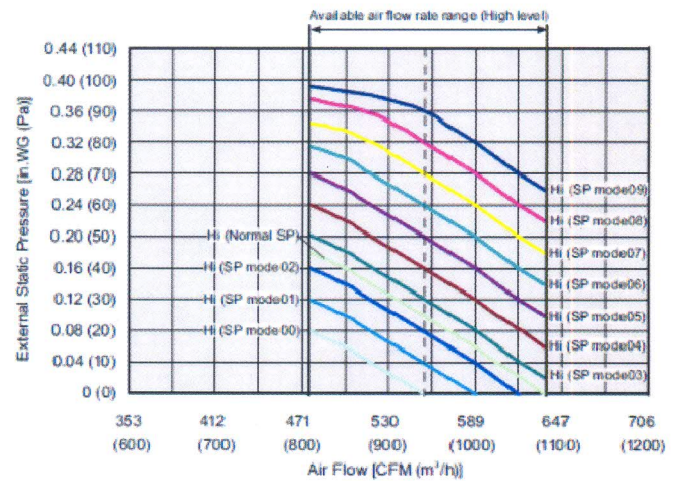
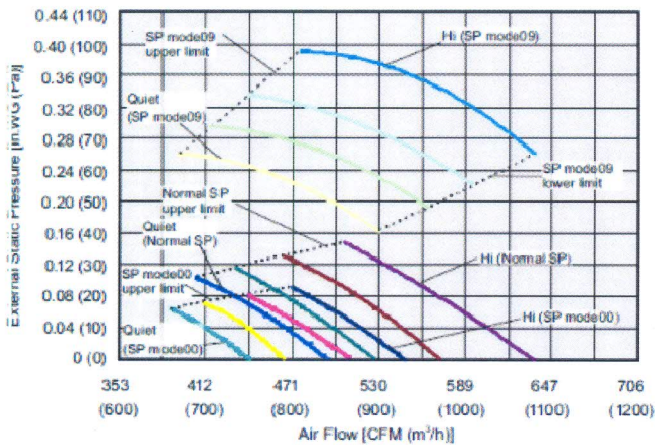
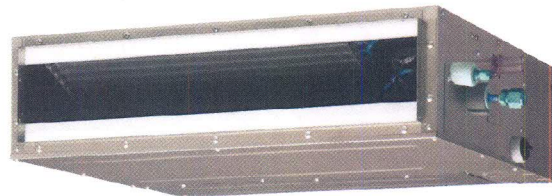
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<b>Power</b>	V/Hz/P	230/60/1	<b>Cooling Capacity</b>	(BTU/h)	18,000
<b>Fan type</b>		Sirocco	<b>Moisture Removal</b>	pt/h (l/h)	4.2 (2.0)
No. Motors	(W)	3 (96)	<b>Heating Capacity</b>	(BTU/h)	20,000
C:FM [.10 in.WG]	(Hi,Me,Lo,Qu)	554/518/483/442	<b>Temperature Setting Range</b>		
Sound Pressure Level	db (Hi,Me,Lo,Qu)	32/31/30/29	Cooling	°F(°C)	64~90 (18~32)
F.L.A.	(A)	.47	Heating	°F(°C)	60~88 (16~31)
<b>Refrigerant</b>		410A	<b>Drain Pipe Size**</b>	OD in	Ø1-1/16
O.D. Discharge	in (mm)	Ø1/4" (6.35)		ID in	Ø3/4
O.D. Suction	in (mm)	Ø1/2" (12.7)	<b>Remote Control Type</b>		Wired
<b>Dimensions</b>		H x W x D	<b>Electrical Connection*</b>	AWG	14/3 with ground
Uncrated	(in)	7-25/32 × 35-7/16 × 24-13/32			
	(mm)	(198 × 900 × 620)			
Crated	(in)	10-7/8 × 46 × 29-3/4			
	(mm)	(276 × 1168 × 756)			
<b>Weight</b>					
Net	lbs. (kg)	50 (23)			
Gross Shipping	lbs. (kg)	63 (29)			

\*Power and communication are fed from the outdoor unit.  
 \*\*Adapter to 3/4" PVC included with unit.



**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.

Standard Static Pressure: 0.10in.WG (25Pa)

Pipe length : 16.4ft. (5m) [Outdoor unit - Branch box], 9.8ft. (3m) [Branch box - Indoor unit]

Height difference : 0 ft.(0m) [Outdoor unit - Indoor unit]

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