

System 18RLFCD Submittal

AOU18RLFC, ARU18RLF

Compact Duct

Job Name: John Lahiff
 Location: 188 Eastern Promenade #5
 Engineer: n/a
 Submitted to: City of Portland
 Submitted by: Hoggin Energy



Approval: _____ Date: 5/25/16
 Construction: _____
 Unit #: _____
 Drawing #: _____
 Reference: _____

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

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)

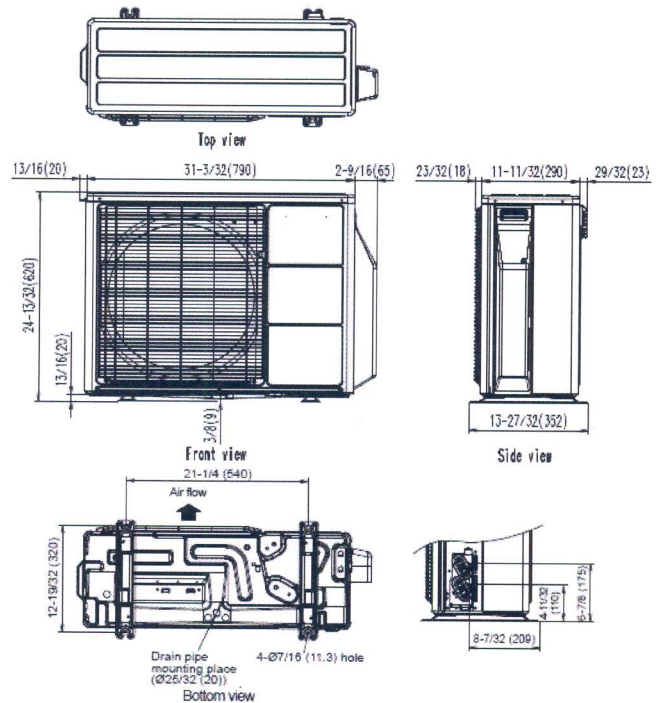
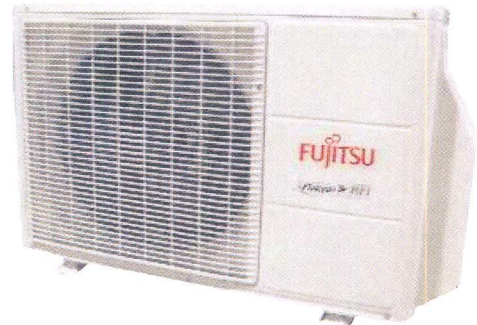
Weight Outdoor
 Net 86lbs (39kg)
 Gross Shipping 93lbs (42kg)

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



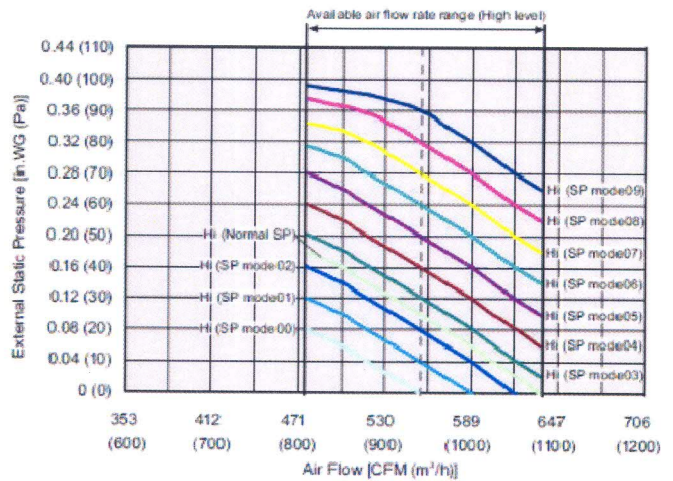
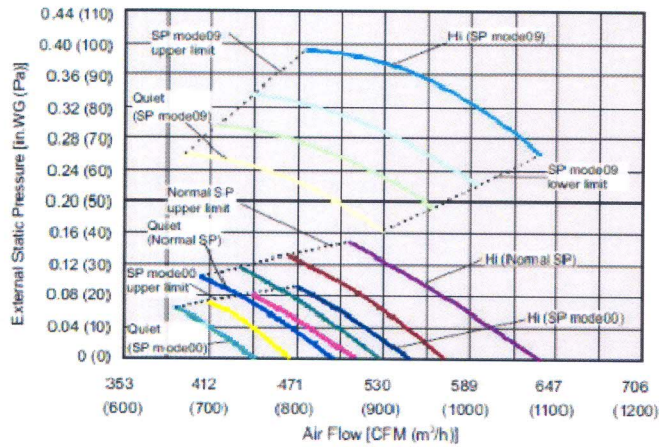
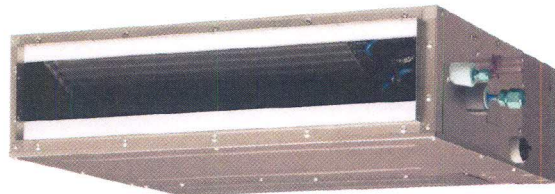
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Power	V/Hz/P	230/60/1	Cooling Capacity	(BTU/h)	18,000
Fan type		Sirocco	Moisture Removal	pt/h (l/h)	4.2 (2.0)
No. Motors	(W)	3 (96)	Heating Capacity	(BTU/h)	20,000
CFM [.10 in.WG]	(Hi,Me,Lo,Qu)	554/518/483/442	Temperature Setting Range		
Sound Pressure 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)
Refrigerant		410A	Drain Pipe Size**	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)	Remote Control Type		Wired
Dimensions		H x W x D	Electrical Connection*	AWG	14/3 with ground
Uncrated	(in)	7-25/32 x 35-7/16 x 24-13/32			
	(mm)	(198 x 900 x 620)			
Crated	(in)	10-7/8 x 46 x 29-3/4			
	(mm)	(276 x 1168 x 756)			
Weight					
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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