

System 18RLFCD Submittal

AOU18RLFC, ARU18RLF

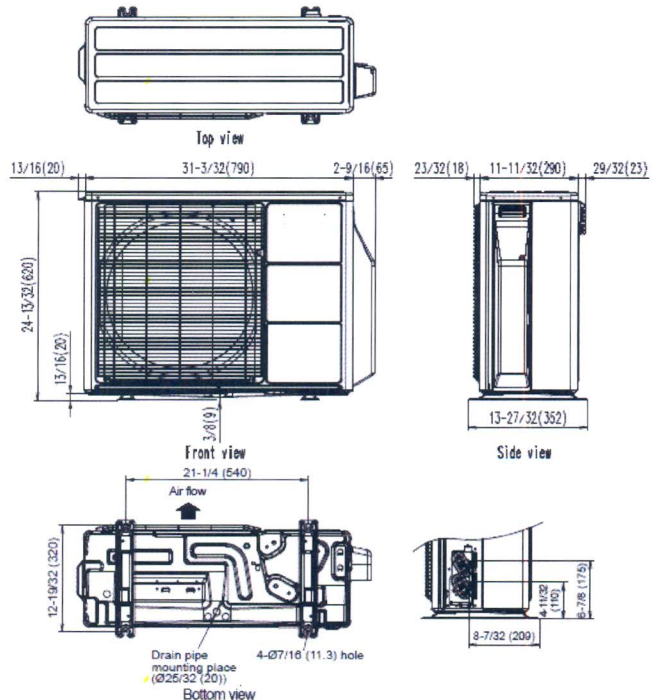
Compact Duct

Job Name: Steven Arnold
 Location: 398 Island Ave, Peaks Island
 Engineer: n/a
 Submitted to: City of Portland
 Submitted by: Goggin Energy



Approval: _____ Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____
 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	

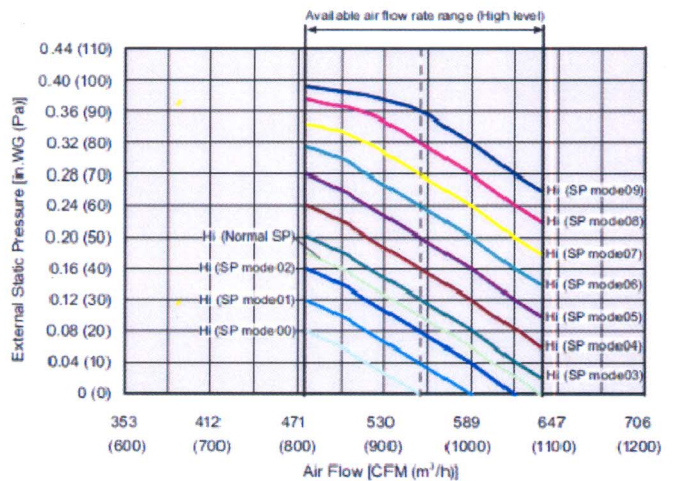
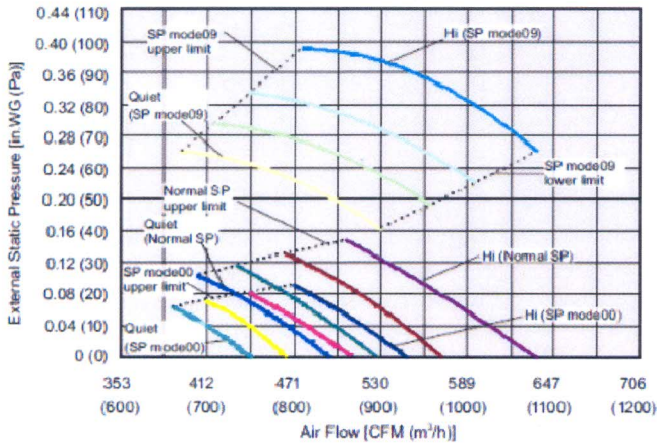
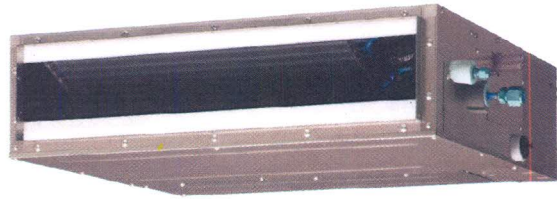


Fujitsu General America, Inc.
 Fairfield, NJ 07004
 Toll Free: 1-888-888-3424
 Fax: (973) 836-0447
 www.fujitsugeneral.com

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Power	V/Hz/P	230/60/1	Cooling Capacity	(BTU/h)	18,000
			Moisture Removal	pt/h (l/h)	4.2 (2.0)
Fan type		Sirocco	Heating Capacity	(BTU/h)	20,000
No. Motors	(W)	3 (96)	Temperature Setting Range		
CFM [10 in.WG]	(Hi,Me,Lo,Qu)	554/518/483/442	Cooling	°F(°C)	64~90 (18~32)
Sound Pressure Level	db (Hi,Me,Lo,Qu)	32/31/30/29	Heating	°F(°C)	60~88 (16~31)
F.L.A.	(A)	.47	Drain Pipe Size**	OD in	Ø1-1/16
Refrigerant		410A		ID in	Ø3/4
O.D. Discharge	in (mm)	Ø1/4" (6.35)	Remote Control Type		Wired
O.D. Suction	in (mm)	Ø1/2" (12.7)	Electrical Connection*	AWG	14/3 with ground
Dimensions		H x W x D	*Power and communication are fed from the outdoor unit.		
Uncrated	(in)	7-25/32 x 35-7/16 x 24-13/32	**Adapter to 3/4" PVC included with unit.		
	(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)			



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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