

Submittal Data: 15RLS3H  
Inverter Driven Heat Pump

15,000 BTU Heat Pump System

2 Units

Job Name: Howard Pedlikin

Date: 6-4-15

Location: 118 Hussey Rd, Peaks Island

Approval: \_\_\_\_\_

Engineer: n/a

Construction: \_\_\_\_\_

Submitted to: City of Portland

Unit #: \_\_\_\_\_

Submitted by: Doggin Energy

Drawing #: \_\_\_\_\_

Reference: n/a

**General Features**

- Refrigerant Type R410A.
- Human Sensor
- Wired and wireless remote controllers
- Double swing automatic
- Automatic airflow adjustment
- Low noise mode
- Powerful mode
- 5- Years Parts, 7-Years Compressor Warranty (See Warranty Statement for details)
- Program timer
- Weekly time

**Model Information**

Outdoor..... AOU15RLS3H  
Indoor..... ASU15RLS3

**Electrical**..... 208/230V AC 1ph-60Hz  
Available Voltage Range..... 208/230 +/- 10%  
Minimum Circuit Ampacity..... 18.2 A  
Max Fuse Size..... 20A  
Max Starting Current..... 5.2 A

**Input Power**

Cooling..... 1.04 kW  
Heating..... 1.15 kW

**Running Current**

Cooling..... 4.8 A  
Heating..... 5.2 A

**Capacity**

Nominal Cooling..... 15,000 Btu  
Min-Max Cooling..... 3,100-18,400 Btu/h  
Nominal Heating..... 18,000 Btu/h  
Min-Max Heating..... 3,100-23,900 Btu/h

**Compressor**

..... Rotary (inv x1)  
Motor Output..... 1,000 W  
Refrigerant..... R410a  
Charge..... 3 lbs. 1 oz  
Oil..... FREOL a68SZ

**Fan Motor**

(Condenser) Type: DC..... Propeller x 1  
(Condenser) Motor Output..... 49 W  
(Evaporator) Type: DC..... Cross flow fan x 1  
(Evaporator) Motor Output..... 61 W

**Heat Exchanger** {Condenser (C) Evaporator (E)}

Dimensions (H x W x D)  
Condenser..... 23-1/8 x 34-11/16 x 1-7/16 in. (588x881x36.4 mm)  
Evaporator..... Main 15-1/8 x 28-3/8 x 1-3/16 in. (384x720x30) Sub 3-5/16 x 28-3/8 x 1/2 in. (84x720x13.3 mm) 4-15/16 x 28-3/8 x 1/2 in. (126x720x13.3 mm)  
Fin Pitch..... 20 FPI (C) Main 21 FPI Sub 18 FPI (E)  
Rows x Stages..... 2 x 28 (C) Main 3 x 24 Sub 1 x 10 (E)  
Pipe Type (Material)..... Copper (C) Copper (E)  
Fin Type (Material)..... Aluminum (C) Aluminum (E)

Note: Specifications are based on the following conditions.  
Cooling: In room temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.  
Heating: In room temperature of 70°F (21.1°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)

**Operation Temperature Range**

Cooling..... 14°F (-10°C) to 115°F (46°C)  
Heating..... -15°F (-26°C) to 75°F (24°C)

**Efficiency**

SEER..... 25.3  
EER (cooling)..... 4.09 kW/kW  
COP (heating)..... 4.59 kW/kW / 15.7 Btu/hW  
HSPF (heating)..... 13.4 Btu/hW

**Enclosure (Condenser)**

Material..... Painted galvanized steel  
Color..... Beige (10 YR 7.5/1.0 NN)

**Sound Pressure Level**

Outdoor..... 49 dB(A)  
Indoor..... 45 dB(A)

**Dimensions**

H x W x D  
Outdoor in. (mm)..... 24-1/2 (620) x 31-1/8 (790) x 11-7/16 (290)  
Indoor in. (mm)..... 11- 5/8 (295) x 37 (940) x 10-5/8 (270)

**Connection Pipe**

Liquid..... 1/4" / 6.35 mm Flare  
Gas..... 1/2" / 12.7 mm Flare  
Method (Liquid/Gas)..... Brazing  
Max Length (Pre-charge)..... 66 ft.(20 m) / (49 ft. {15 m})  
Max Height Difference..... 49 ft. (15 m)

**Weight**

Outdoor..... 88 lbs (40 kg)  
Indoor..... 31 lbs (14 kg)

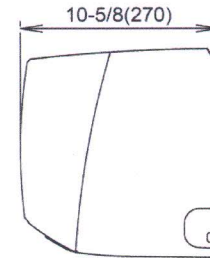
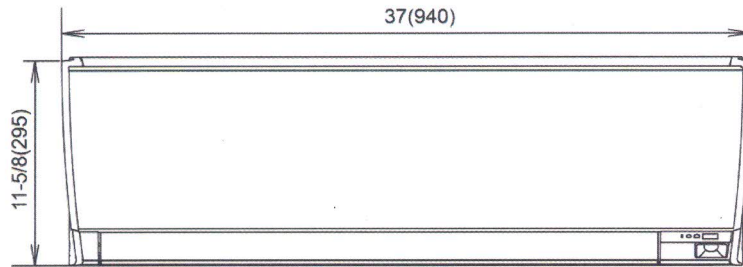
**Accessories**

Wired Remote Controller..... UTY-RVNUM  
Wired Remote Controller..... UTY-RNNUM  
Simple Remote Controller..... UTY-RSNUM  
Communication Kit..... UTY-TWBXF1  
External Connection Kit..... UTY-XWZXZ5

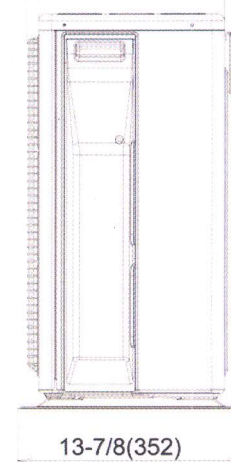
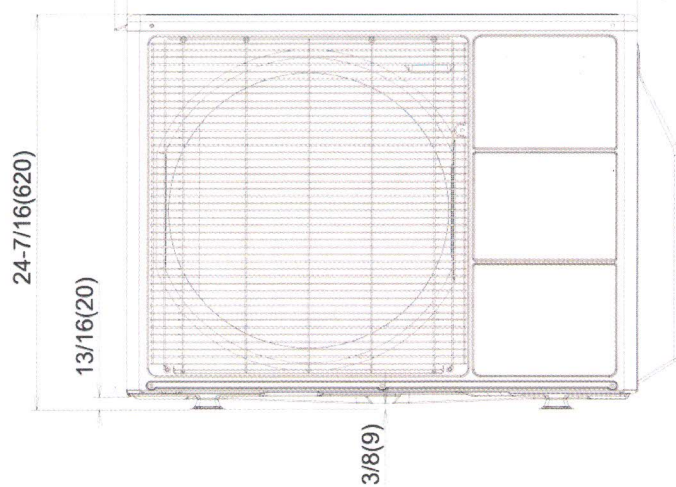


## Dimensions: 15RLS3H

[Unit: in. (mm)]

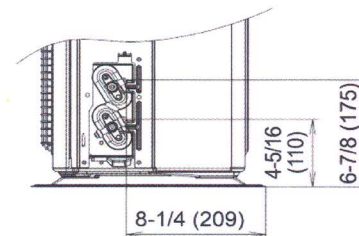
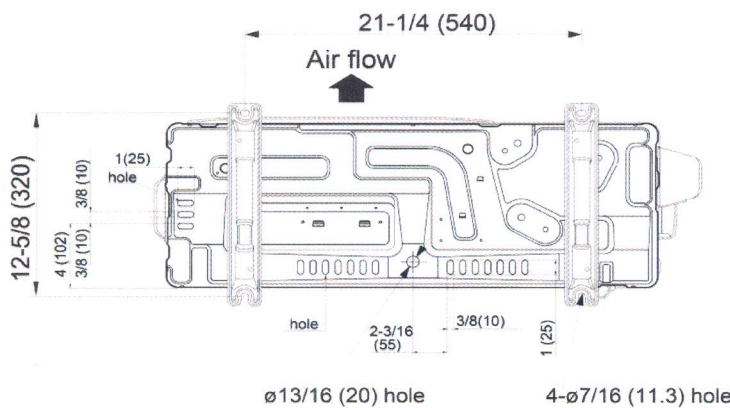


3/4(19)                      31-1/8(790)                      2-5/8(67)                      11/16(18)                      11-5/16(288)                      7/8(23)



Front view

Side view



Bottom view

The Fujitsu logo is a registered trademark of Fujitsu Limited.  
 The Halcyon logo and name is a trademark of Fujitsu General America, Inc.  
 Copyright 2014 Fujitsu General America, Inc.  
 Fujitsu's products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this brochure without notice and without incurring any obligations.

- 1 Unit

# System 18RLFCD Submittal

**AOU18RLFC, ARU18RLF**

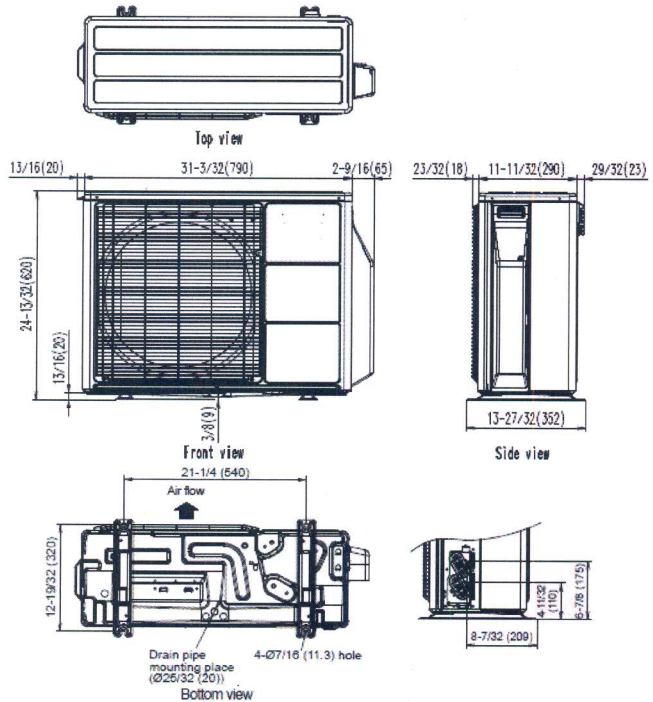
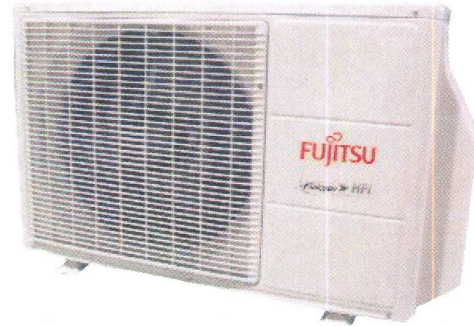
**Compact Duct**



Job Name: Howard Podlikin  
 Location: 118 Hussey Road, Peaks Island  
 Engineer: n/a  
 Submitted to: City of Portland  
 Submitted by: Doggin Energy

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

<b>Outdoor Unit Power</b>	208-230/VAC-1Ph-60Hz
Available Voltage Range	187-253VAC
Fuse Size, Max.	20A
MCA	17.3A
<b>Compressor</b>	Inverter Driven Variable Speed DC Rotary
No. used	1
Output	1000W
Lubrican Oil	POE (RB68)
<b>Fan type</b>	Propeller
Motor Output	115W
Airflow Rate	Cooling/Heating (High) 1457 / 1407CFM
<b>Refrigerant</b>	410A
Outdoor Unit	2lbs 14oz
Control	Electronic Expansion Valve
O.D. Discharge (in)	1/4"(Flare)
O.D Suction (in)	1/2"(Flare)
<b>Dimensions</b>	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)
<b>Weight</b>	Outdoor
Net	86lbs (39kg)
Gross Shipping	93lbs (42kg)
<b>Cooling</b>	
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
<b>Heating</b>	
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
<b>Piping Lengths</b>	
Max. Piping Length (Total)	66ft
Max. Pipe Height Difference	49ft
Connection method	(Flared)
<b>Operating Range</b>	
Cooling	14°F~115°F DB
Heating	-5°F~75°F DB

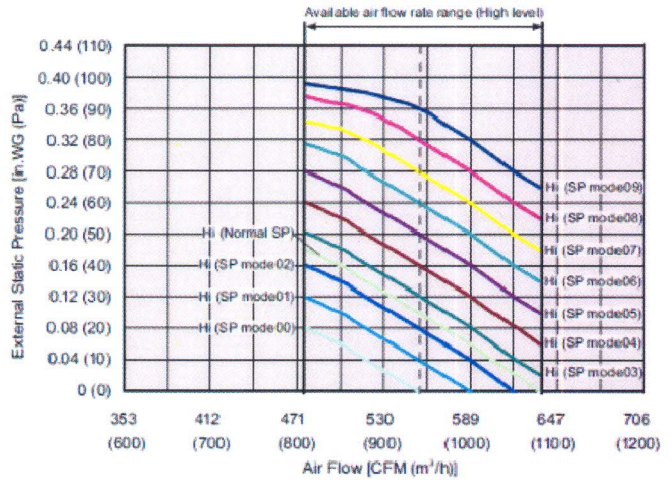
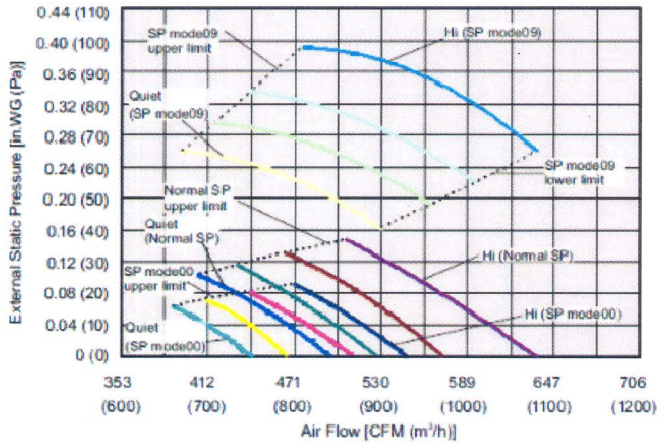
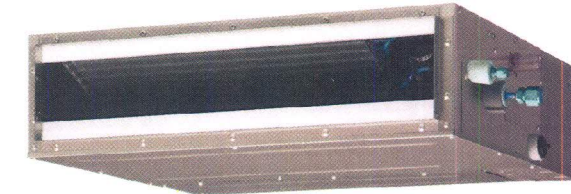


Fujitsu General America, Inc.  
 Fairfield, NJ 07004  
 Toll Free: 1-888-888-3424  
 Fax: (973) 836-0447  
 www.fujitsugeneral.com

Fujitsu products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations.



<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
CFM [1.10 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 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)			
<b>Weight</b>					
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]

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

Fujitsu products are subject to continuous improvements. Fujitsu reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations.

