

## Submittal Data: 36RLXFZ

### Inverter Driven Heat Pump

Job Name: Deloris Ahlin

Location: 12 cresfield Terr.

Engineer: Portland, me

Submitted to: \_\_\_\_\_

Submitted by: Tom Orr

Reference: \_\_\_\_\_

36,000 BTU Multi-Zone System

Date: 4-28-17

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

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

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

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

- Wired or wireless remote
- Apple catechin filter
- Ion deodorizing filter
- Auto louver: up/down
- Auto louver: 4-way
- Low ambient cooling
- Blue fin coating

### Model Information

Condenser.....	AOU36RLXFZ
Evaporator^.....	(ASU) / (ARU) / (AGU) / (AUU) 7,9,12,18RLF(1)
Connectable indoor units.....	2 - 4
Total capacity range.....	27,000 – 39,000 Btu/h

<b>Electrical</b> .....	208/230V AC 1ph-60Hz
Available Voltage Range.....	208/230 +/- 10%
Minimum Circuit Ampacity.....	20.1 A
Max Fuse Size.....	30 A

### Current

Starting Current.....	15.1 A
Max Operating Current.....	20.1 A
Cooling..... (non-duct) 17.5 A / (ducted) 18.1 A / (mix) 17.8 A	
Heating..... (non-duct) 13.1 A / (ducted) 15.1 A / (mix) 14.1 A	

### Input Power

Cooling.....	(non-duct) 4.00 kW / (ducted) 4.15 kW / (mix) 4.07 kW
Heating.....	(non-duct) 3.00 kW / (ducted) 3.45 kW / (mix) 3.21 kW

### Capacity

Nominal Cooling.....	35,200 Btu/h
Min-Max Cooling.....	11,000 – 36,000 Btu/h

Nominal Heating.....	36,400 Btu/h
Min-Max Heating.....	11,000 – 42,000 Btu/h

<b>Compressor</b> .....	DC Twin Rotary (inv x1)
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Motor Output.....	1,300 W
Refrigerant.....	R410a

Pre-Charge.....	7 lbs. 4 oz.
Oil.....	POE

<b>Fan Motor</b>	
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Type: DC (condenser).....	Propeller x1
Motor Output (condenser).....	100 W

Type: DC (evaporator).....	(wall-mount) Cross flow (compact cassette) Turbo (ducted) Sirocco x2 (18 k x3) (floor) Cross flow x2
Motor Output (Evaporator).....	(wall) 30-42W (compact cassette) 54W (ducted) 80-81W (floor) 16W

<b>Heat Exchanger</b>	
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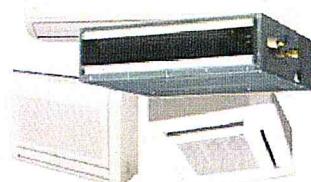
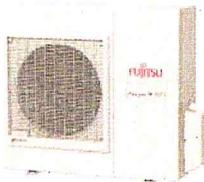
Dimensions (condenser).....	(H x W x D) in. (mm)..... 31-13/32 x 35-7/16 x 1-7/16 (798x900x36.38)
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Fin Pitch.....	20 FPI
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Rows x Stages.....	2 x 38
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Pipe Type (Material).....	Grooved H-Pin (Copper)
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Fin Type (Material).....	Aluminum (Blue fin)
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### Operation Temperature Range

Cooling.....	32°F - 115°F (-10°C - 46°C)
Heating.....	14°F - 75°F (-15°C - 24°C)

### Efficiency

SEER^.....	(wall-mount) 16.0 (duct) 14.50 (mix) 15.25
EER (cooling).....	(wall-mount) 8.80 Btu/W (duct) 8.10 Btu/W (mix) 8.45 Btu/W
COP (heating).....	(wall-mount) 3.56 W/W (duct) 3.08 W/W (mix) 3.32 W/W
HSPF (heating).....	(wall-mount) 9.40 (duct) 8.70 (mix) 9.05

### Enclosure (condenser)

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

### Sound Pressure Level

Cooling.....	53 dB(A)
Heating.....	55 dB (A)

### Dimensions

H x W x D (condenser).....	
Net in. (mm).....	32-11/16 x 35-7/16 x 13 (830x900x330)

Gross in. (mm).....	38-3/16 x 41-5/16 x 17-1/2 (970x1,050x445)
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### Connection Pipe

Liquid.....	1/4" (6.35 mm) x4
Gas.....	3/8" (9.52 mm) x3 + 1/2" (12.70 mm) x1

Method (Liquid/Gas).....	Brazing
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Pre-charge length (Total).....	164 ft. (50m)
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Max length (Total).....	230 ft. (70m)
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Max length (Each).....	82 ft. (25m)
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Min. length (Total).....	66 ft. (20m)
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Min. length (Each).....	16ft. (5m)
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Max Height Difference.....	49 ft. (15m)
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### Weight

Condenser.....	149 lbs. (68kg)
Evaporators.....	(wall-mount) 19 lbs. - 31 lbs. (compact cassette) 33 lbs. (ducted) 37 lbs. - 49 lbs. (floor) 31 lbs.

### Accessories

Wired Remote Controller.....	UTY-RVNUM
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Wired Remote Controller.....	UTY-RNNUM
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Simple Remote Controller.....	UTY-RSNUM
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### Intertek®ETL Number

AOU36RLXFZ.....	91987
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Reference brochure for approved combinations. \*Test conditions are based on AHRI 210/240. Note: Specifications are based on the following conditions: Cooling: Indoor 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: Indoor temperature of 70°F (21.1°C) DB/59°F (15.5°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB. Pipe length: 240 ft. \*\*Standard warranty: 10-year warranty / \*\*\*12-year warranty / \*\*\*\*15-year warranty

\*Standard warranty / \*\*10-year warranty / \*\*\*12-year warranty / \*\*\*\*15-year warranty

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