

Submittal Data: 9RLS3H
Inverter Driven Heat Pump
9,000 BTU Wall Mount

Job Name: Alan Brooks
Location: 195 Central Avenue, Peaks Island
Engineer: n/a
Submitted to: City of Portland
Submitted by: Doggen Energy
Reference: n/a

Date: 9-14-16
Approval: _____
Construction: _____
Unit #: _____
Drawing #: _____

General Features

Standard Warranty: 5 years parts, 7 years compressor. Applies to systems purchased before June 1st 2015*
Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1st 2015 by licensed contractors and the online Product Registration has been submitted.**
Elite Contractor Extended Warranty: 12 years parts, 12 years compressor. Systems that have been installed on or after June 1st 2015 by contractors who have met requirements and have been approved for elite contractor status plus, the online Product Registration has been submitted.***

Electrical Information

Model: AOU9RLS3H
Manufacturer: ASU9RLS3
Nominal Voltage Range: 208/230V AC 1ph-60Hz
Nominal Current Capacity: 208/230 +/- 10%
Fuse Size: 15A
Starting Current: 3.3 A

Power

Rated Power: 0.5 kW
Max Power: 0.66 kW

Operating Current

Operating Current: 2.5 A
Max Current: 3.3 A

Capacity

Rated Cooling: 9,000 Btu/h
Max Cooling: 3,100-12,000 Btu/h
Rated Heating: 12,000 Btu/h
Max Heating: 3,100-22,000 Btu/h

Compressor

Compressor Type: Rotary (inv x1)
Capacity: 850 W
Refrigerant: R410a
Weight: 2 lbs. 14 oz.
Oil: FREOL a68SZ

Motor

Condenser Type: DC Propeller x1
Condenser Motor Output: 49 W
Evaporator Type: DC Cross flow fan x1
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)
Pitch: 20 FPI (C) Main 21 FPI Sub 18 FPI (E)
Stages: 2 x 28 (C) Main 3 x 24 Sub 1 x 10 (E)
Type (Material): Copper (C) Copper (E)
Type (Material): Aluminum (C) Aluminum (E)

Specifications are based on the following conditions.
Indoor temperature of 67°F (26.2°C) DB/67°F (19.44°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
Indoor temperature of 73°F (21.11°C) DB/59°F (15°C) WB, and outdoor temperature of 47°F (8.33°C) DB/43°F (6.11°C) WB.
H: 24ft. 7in. (7.5m), H: light difference: 0ft. (0m) (Outdoor unit - indoor unit) (*Standard warranty)**10 year warranty***12 year warranty



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: 33
EER (cooling): 5.28 kW/kW
COP (heating): 5.33kW/kW / 18.2 Btu/hW
HSPF (heating): 14.2 Btu/hW

Enclosure (Condenser)

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

Sound Pressure Level

Condenser: 42 dB(A)
Evaporator: 42 dB(A)

Dimensions

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

Connection Pipe

Liquid: 1/4" / 6.35 mm Flare
Gas: 3/8" / 9.52 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

Condenser: 86 lbs. (38 kg)
Evaporator: 31 lbs. (14 kg)

Accessories

UTY-RVNUM^: Wired remote controller (backlit, shows room temp.)
UTY-RNNUM^: Wired remote controller
UTY-RSNUM^: Wired remote controller (simple)
UTY-TWBXF1: Interface kit
UTY-XWZXZ5: Dry contact wire kit

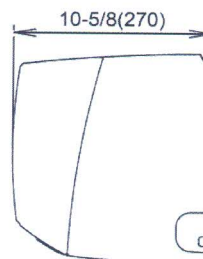
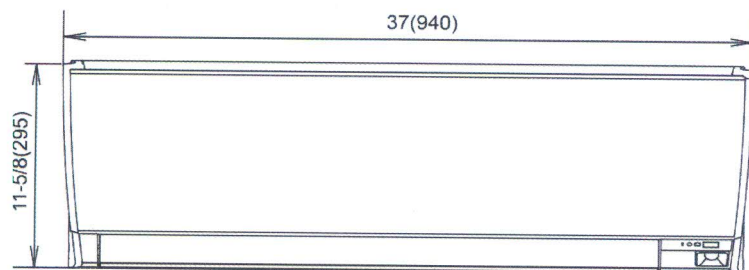
^1 Requires interface kit # UTY-TWBXF1 in order to connect these devices to them.



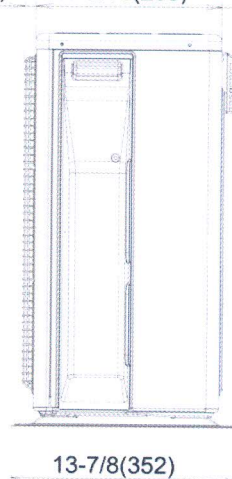
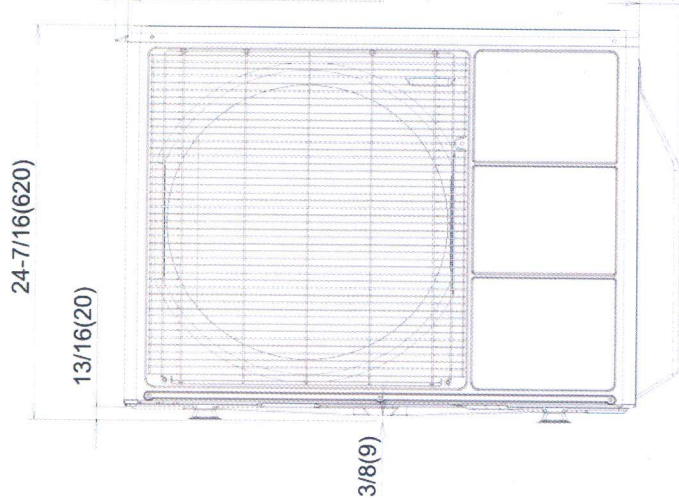
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Dimensions: 9RLS3H

[Unit: in. (mm)]



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

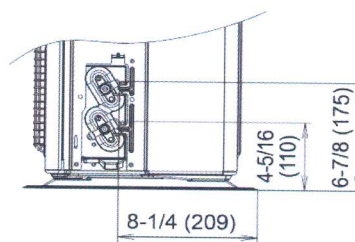
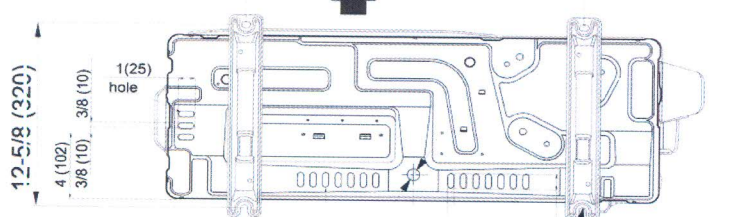


Front view

Side view

21-1/4 (540)

Air flow



ø13/16 (20) hole

4-ø7/16 (11.3) hole

Bottom view

Submittal Data: 30RLXEH
Inverter Driven Heat Pump

30,000 BTU Heat-Pump System

Job Name: Stan Brooks

Date: 9-14-16

Location: 195 Central ave, Peaks Island

Approval: _____

Engineer: n/a

Construction: _____

Submitted to: City of Portland

Unit #: _____

Submitted by: Joggin Energy

Drawing #: _____

Reference: n/a

General Features

Control PCB w/ Switch
nan Sensor
d & wireless remote
ollers
le swing automatic
ow adjustment
noise mode
pan heater
rful mode

- Standard Warranty: 5 years parts, 7 years compressor. Applies to systems purchased before June 1st 2015*
- Extended Warranty: 10 years parts, 10 years compressor. Systems that have been installed on or after June 1st 2015 by licensed contractors and the online Product Registration has been submitted.**
- Elite Contractor Extended Warranty: 12 years parts, 12 years compressor. Systems that have been installed on or after June 1st 2015 by contractors who have met requirements and have been approved for elite contractor status plus, the online Product Registration has been submitted.***

Electrical Information

Model	AOU30RLXEH
Model	ASU30RLE
Rated Voltage	208/230V AC 1ph-60Hz
Rated Voltage Range	208/230 +/- 10%
Maximum Circuit Ampacity	25.6 A
Fuse Size	30 A
Starting Current	18.7 A
Rated Power	
Heating	2.40 kW
Cooling	2.74 kW
Heating Current	
Heating	10.6 A
Cooling	12.0 A

Capacity

Rated Cooling	30,000 Btu/h
Max Cooling	9,900 – 32,400 Btu/h
Rated Heating	32,000 Btu/h
Max Heating	8,000 – 36,200 Btu/h

Compressor

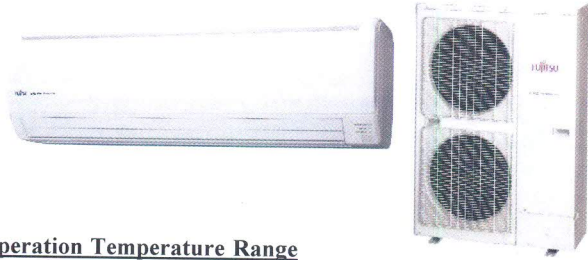
Compressor Output	Twin rotary x1
Compressor Output	3,750 W
Refrigerant	R410a
Weight	6 lbs. 12 oz.
Weight	POE (VG74)

Motor

Condenser Type	DC Propeller x1
Compressor Type	Cross flow fan x1
Condenser Output	100 W x2
Compressor Output	80 W

Heat Exchanger

Dimensions (condenser)	
W x D in. (mm)	49-10/16 x 35-7/16 x 1-7/16 (1,260x900x36.4)
Pitch	1.3 FPI
Stages	2 x 60
Type (Material)	Copper
Type (Material)	Corrugate (Aluminum)
Coating Treatment	Hydrophilic coating (Blue fin)



Operation Temperature Range

Cooling	-5°F (-20°C) - 115°F (46°C)
Heating	-15°F (-26°C) - 75°F (24°C)

Efficiency

SEER	18.7
EER (cooling)	12.5
COP (heating)	11.7
HSPF (heating)	11.8

Enclosure

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

Sound Pressure Level

Outdoor (max)	54 dB
Indoor (max)	50 dB

Dimensions

H x W x D	
(condenser) in. (mm)	50-13/16 x 35-3/8 x 13 (1,290x900x330)
(evaporator) in. (mm)	13-6/16 x 45-4/16 x 9 (340x1,150x280)

Connection Pipe

Liquid	3/8" (9.52 mm)
Gas	5/8" (15.88 mm)
Method (Liquid/Gas)	Flare
Pre-charge	65 ft. (20 m)
Max Length	246 ft. (75 m)
Max Height Difference	98 ft. (30 m)

Weight

Outdoor	205 lbs. (93 kg)
Indoor	40 lbs. (18 kg)

Accessories

UTY-RNRU21	Wired remote controller (backlit)
UTY-RVNUM	Wired remote controller (backlit, displays room temp.)
UTY-RNNUM	Wired remote controller
UTY-RSNUM	Wired remote controller (simple)

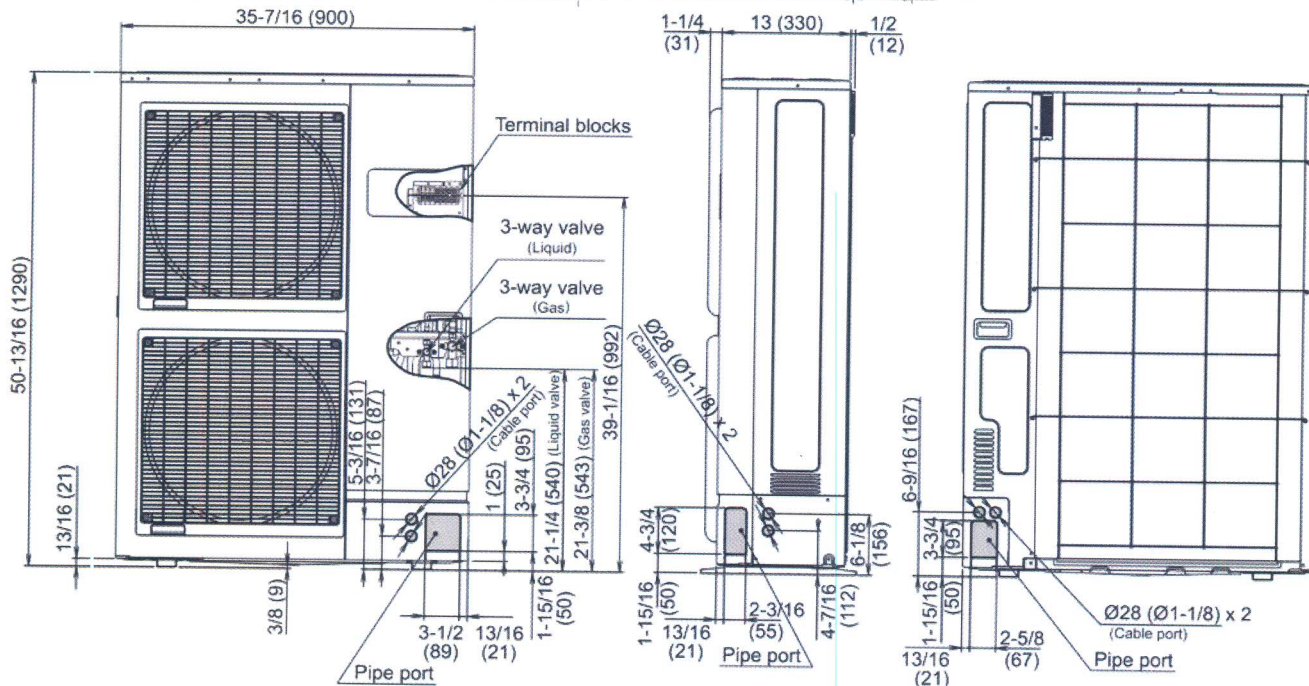
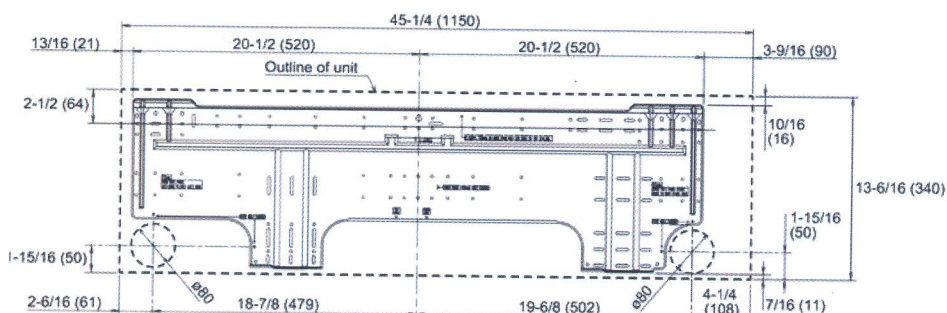
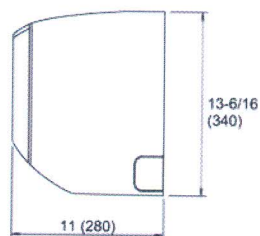
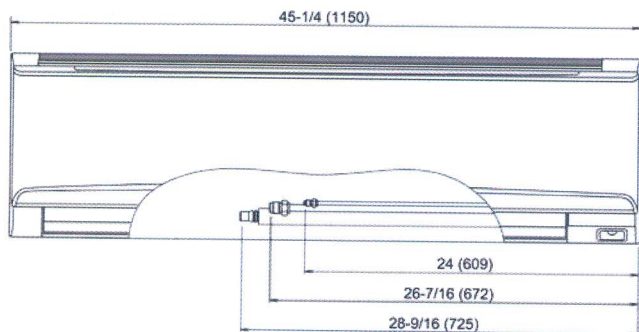
Specifications are based on the following conditions:
Indoor temperature of 81°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
Indoor temperature of 71°F (21.1°C) DB/59°F (15°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.
Height: 24ft. 6in. (7.5m). Height difference: 0ft. (0m) (Outdoor unit – indoor unit)

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Dimensions: 30RLXEH

[Unit: in. (mm)]



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