

Project Name: _____
 Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

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

Performance

Indoor Unit Model No:	Ducted
Outdoor Unit Model No:	RXYQ168PAYD
Cooling Capacity (Btu/hr):	160000
Sensible Capacity (Btu/hr):	0
Cooling Input Power (kW):	
Cooling EER (Btu/hr / kW):	11.4
SEER:	N/A
Heating Capacity (Btu/hr):	180000
Heating Input Power (kW):	
Heating COP (Btu/hr / Btu/hr):	3.3
HSPF:	N/A

Indoor Unit Type:	
Condensing Unit Type:	14-Ton VRV-III Heat Pump
Cooling Nominal Conditions	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB
	Water Cooled:
Heating Nominal Conditions	Indoor: 47°F DB/43°F WB
	Outdoor: 47°F DB/43°F WB
	Water Cooled:
Nominal Piping Length	25
Nominal Height Separation	0
Nominal Water Flow Rate	

Indoor Unit Details

Power Supply (V/Hz/Ph):	N/A
Power Supply Connections:	
Min. Circuit Amps MCA (A):	
Max. Fusible Amps MFA (A):	
Dimensions (HxWxD):	N/A
Panel (HxWxD):	N/A
Net Weight (lbs):	
Weight with Panel (lbs):	

Airflow Rate (CFM wet coil)	N/A
Moisture Removal (pt/h):	
Gas Pipe Connection (inch):	
Liquid Pipe Connection (inch):	
Condensate Connection (inch):	
Sound Pressure Level (dBA):	
Sound Power Level (dBA):	
Nominal External Static Pressure (inH ₂ O)	
Max Ext Static Pressure (inH ₂ O)	

Condensing Unit Details

Power Supply (V/Hz/Ph):	460/60/3ph
Power Supply Connections:	L1, L2, L3 Ground
Min. Circuit Amps MCA (A):	20.3+20.2
Max. Fusible Amps MFA (A):	25 + 25
Max. Starting Current MSC(A):	69
Rated Load Amps RLA (A):	7.1+3.9+8.4
Total Overcurrent Amps (A):	31.5 + 31.5
Dimensions (HxWxD):	66-1/8x75-1/2x30-1/8
Net Weight (lbs):	573+573
Compressor Type:	Inverter
Capacity Control Range (%):	9 - 100
Capacity Index Limit:	100.8 - 218 (130%)

Airflow Rate (CFM):	6,530+6,530
Gas Pipe Connection (inch):	1-1/8
Liquid Pipe Connection (inch):	5/8
H/L Pressure Connection (inch):	3/4
H/L Equalizing Connection (inch):	3/4
Water Inlet Connection (inch FPT):	
Water Outlet Connection (inch FPT):	
Condensate Drain Outlet (inch FPS):	
Sound Pressure Level (dBA):	61
Sound Power Level (dBA):	
Unit Heat Rejection (kW):	
Max. No. of Indoor Units:	29

System Details

Refrigerant Type:	R-410A
Holding Refrigerant Charge (lbs):	19.8+18.1
Additional Charge (oz/ft):	install data
Pre-charge Piping (Length ft):	-
Max. Pipe Length (Total ft):	540 ft
Max. Pipe Length (Vertical ft):	164 ft (295 ft) / 295 ft

Cooling Operation Range (°F):	23 - 110
Cooling Range w/Baffle (°F):	
Heating Operation Range (°F):	0 - 77 / -4 - 60
Heating Range w/Baffle (°F):	
Cooling Inlet Water Temp (°F):	
Heating Inlet Water Temp (°F):	
Water Flow Range (GPM):	

Submittal Data Sheet

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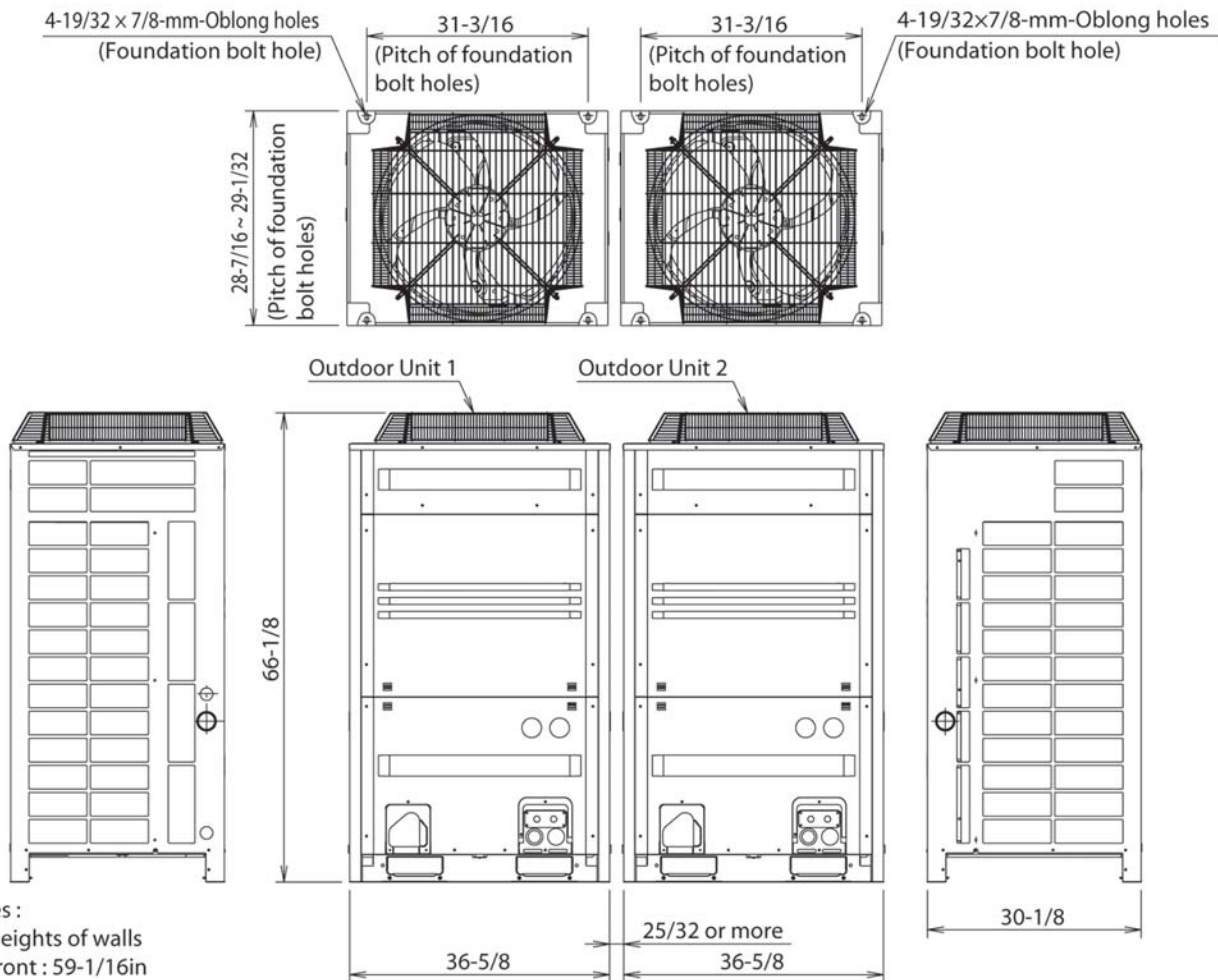
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Dimensional Drawing - Condensing Unit



Notes :

1. Heights of walls
 Front : 59-1/16in
 Suction side : 19-11/16in
 Side : Height unrestricted

The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°F.

The installation space of suction side shown above must be expanded in the following case.

- Design outdoor temperature becomes over 95°F.
 - Operating over Max. operating load (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
 3. When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
 (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
 4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

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Notes

Requires Multi Connection Pipe Kit (BHFP22P100U), Std U.S. Warranty: 6yrs Compressor, 1yrs Parts, 1yr Limited Labor