

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

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

Performance

Outdoor Unit Model No: RXYQ312PBYD
Type: Non-Ducted / Ducted
Rated Cooling Capacity (Btu/hr): 297000
Nom Cooling Capacity (Btu/hr): 312000
Cooling Input Power (kW): 25.83
SEER: N/A
IEER: 18.2/17.0
Rated Heating Capacity (Btu/hr): 334000
Nom Heating Capacity (Btu/hr): 351000
Heating Input Power (kW): 29.66
Heating COP (Btu/hr / Btu/hr): 3.3/3.3
HSPF: N/A
Heating COP 17F (Btu/hr / Btu/hr): 2.35/2.35

Condensing Unit Type: 26-Ton VRV-III Heat Pump
Unit Combination: RXYQ120PBYD RXYQ120PBYD
 RXYQ72PBYD
Rated Cooling Conditions: Indoor: 80°F DB/67°F WB
 Outdoor: 95°F DB/75°F WB
Rated Heating Conditions: Indoor: 70°F DB/60°F WB
 Outdoor: 47°F DB/43°F WB
Rated Piping Length (ft): 100 / 50
Rated Height Difference (ft): 0

Condensing Unit Details

Power Supply (V/Hz/Ph): 460/60/3ph
Power Supply Connections: L1, L2, L3 Ground
Min. Circuit Amps MCA (A): 21+21+16
Max. Overcurrent Protection (MOP)(A): 25+25+20
Max. Starting Current MSC(A): 81
Rated Load Amps RLA (A): (5.4+8.4) x 2+7.1
Dimensions Height (Inch): 66-1/8
Dimensions Width (Inch): 134-3/8
Dimensions Depth (Inch): 30-1/8
Net Weight (lbs): 633+633+433

Compressor Type: Inverter
Capacity Control Range (%): 5 - 100
Capacity Index Limit: 156 - 405.6 (130%)
Airflow Rate (CFM): 8,230+8,230+6,350
Gas Pipe Connection (inch): 1-3/8
Liquid Pipe Connection (inch): 3/4
H/L Pressure Connection (inch):
H/L Equalizing Connection (inch):
Sound Pressure Level (dBA): 64
Sound Power Level (dBA):
Max. No. of Indoor Units: 54

System Details

Refrigerant Type: R-410A
Holding Refrigerant Charge (lbs): 22.1+22.1+16.5
Additional Charge (lbs/ft): install data
Pre-charge Piping (Length ft): -
Max. Pipe Length (Total ft):
Max. Pipe Length (Vertical ft): 164 ft (295 ft) / 295 ft
Max Height Separation (Ind to Ind ft):

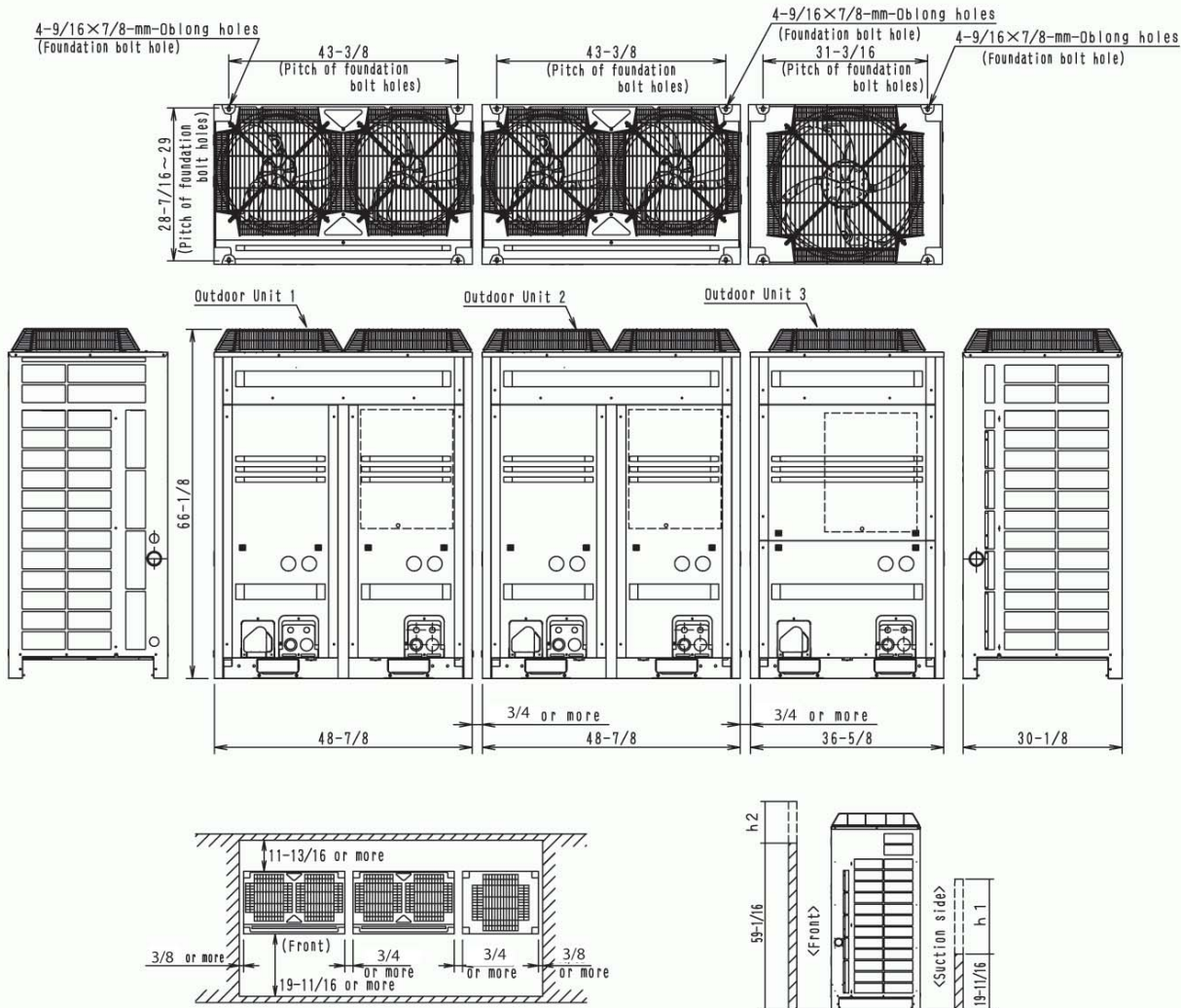
Cooling Operation Range (°F): 23 - 110
Cooling Range w/Baffle (°F):
Heating Operation Range (°F): 0 - 77 / (-4) - 60
Heating Range w/Baffle (°F):

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Dimensional Drawing - Condensing Unit

RXYQ312PBYD



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RXYQ312PBYD



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Std U.S. Warranty: 7yrs Compressor, 1yrs Parts