

Project Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Reference: \_\_\_\_\_

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

## Performance

|                                |             |
|--------------------------------|-------------|
| Indoor Unit Model No:          | Ducted      |
| Outdoor Unit Model No:         | REYQ168PATJ |
| 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 Recovery |
| 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 <sub>2</sub> O) |     |
| Max Ext Static Pressure (inH <sub>2</sub> O)          |     |

## Condensing Unit Details

|                               |                      |
|-------------------------------|----------------------|
| Power Supply (V/Hz/Ph):       | 208-230/60/3ph       |
| Power Supply Connections:     | L1, L2, L3 Ground    |
| Min. Circuit Amps MCA (A):    | 36.1+36.1            |
| Max. Fusible Amps MFA (A):    | 50 + 40              |
| Max. Starting Current MSC(A): | 137                  |
| Rated Load Amps RLA (A):      | 14.2+7.8+16.8        |
| Total Overcurrent Amps (A):   | 54.5 + 54.5          |
| Dimensions (HxWxD):           | 66-1/8x75-1/2x30-1/8 |
| Net Weight (lbs):             | 560 + 450            |
| 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):     | 7/8         |
| 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):  | (-4) 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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Submitted by: \_\_\_\_\_

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

Date: \_\_\_\_\_

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

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

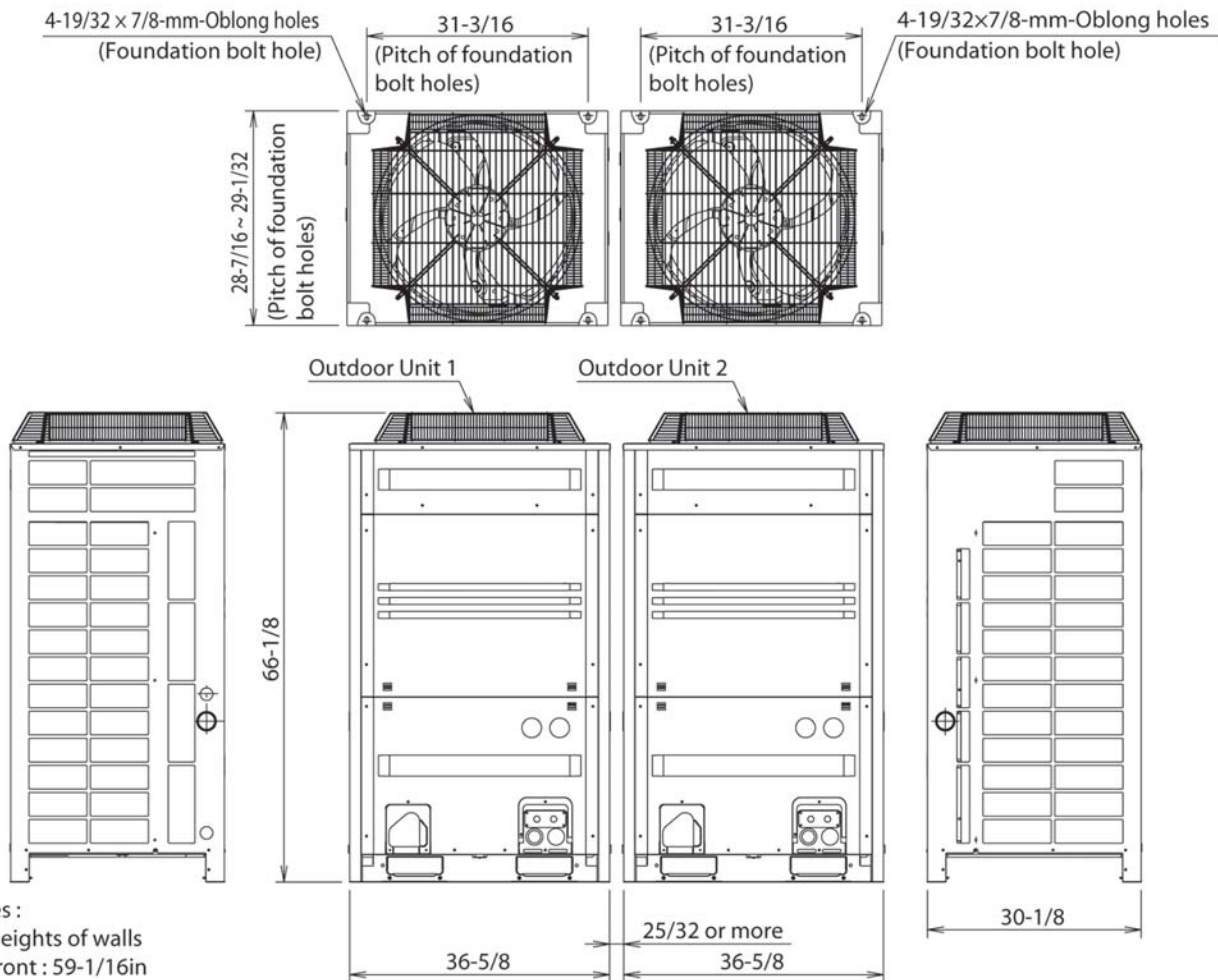
Drawing #: \_\_\_\_\_



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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. Daikin AC (Americas), Inc., 1645 Wallace Drive - Suite 110, Carrollton, TX 75006

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## Notes

Requires Multi Connection Pipe Kit (BHFP26P90U), Std U.S. Warranty: 6yrs Compressor, 1yrs Parts, 1yr Limited Labor