

Job Name: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Submitted To: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Unit Designation: \_\_\_\_\_

Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

For:  Reference  Approval  Construction

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

**Nominal Capacities:**

|                     |              |
|---------------------|--------------|
| Heating Capacity    | 47,800 Btu/h |
| Heating Input Power | 3.33 kW      |
| Cooling Capacity    | 54,600 Btu/h |
| Cooling Input Power | 5.79 kW      |
| COP                 | 4.2          |
| EER                 | 9.4          |

Measuring conditions: Heating Ta DB/WB 44.6°F/42.8°F(7/6°C); LWC 95°F (35°C)  
Cooling Ta 95°F(35°C); LWE 64.4°F (18°C)

**Ambient Operation Range:**

|                              |                                     |
|------------------------------|-------------------------------------|
| Heating Temp. (Min/Max)      | 5/95°F <sup>(1)</sup> (-15/35°C)    |
| Cooling Temp. (Min/Max)      | 50/114.8°F (10/46°C)                |
| Domestic Hot Water (Min/Max) | 5/95°F <sup>(1)(2)</sup> (-15/35°C) |

(1) Models can reach -4°F(-20°C)but without capacity guarantee  
(2) Booster heater operation from 95°F(35°C) onwards

**Water side Heat Exchanger:**

|                          |                                    |                   |
|--------------------------|------------------------------------|-------------------|
| <b>Brazed plate:</b>     | Water Volume                       | 0.27 gal          |
|                          | Water flow rate Min/Max            | 4.23/15.32 gpm    |
|                          | Nominal water flow rate (Heating)  | 10.49 gpm         |
|                          | Nominal water flow rate (Cooling)  | 12.13 gpm         |
|                          | Inlet /Outlet Piping connections   | 1-1/4" (F) BSP    |
| <b>Expansion Vessel:</b> | Volume                             | 2.64 gal          |
|                          | Max. water pressure                | 43.5 psi          |
|                          | Pre pressure                       | 14.5 psi          |
| <b>Pump :</b>            | No. of speed                       | 2                 |
|                          | Nominal pump ESP (Heating/Cooling) | 6.31/7.12 psi     |
|                          | Leaving Water Temp (Heating)       | 77~131°F(25~55°C) |
|                          | Leaving Water Temp (Cooling)       | 41~71.6°F(5~22°C) |

**Sound Pressure Level:**

|                   |             |
|-------------------|-------------|
| Heating / Cooling | 51/52 (dBA) |
|-------------------|-------------|

**Power Supply:**

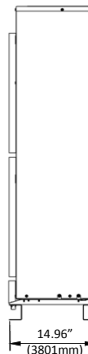
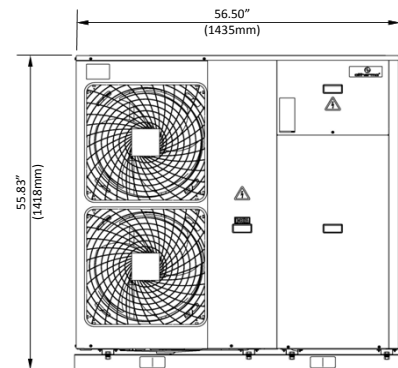
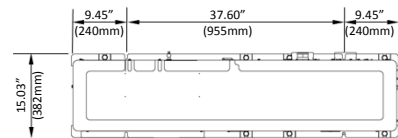
|                        |                                      |              |
|------------------------|--------------------------------------|--------------|
| <b>Main Power:</b>     | V/PH/Hz                              | 208-230/1/60 |
|                        | Minimum Circuit Amps (MCA)           | 26.5 Amps    |
|                        | Maximum Overcurrent Protection (MOP) | 30 Amps      |
| <b>Back-up Heater:</b> | V/PH/Hz                              | 208-230/1/60 |
|                        | Back-up heater capacity              | 6 kW         |
|                        | Minimum Circuit Amps (MCA)           | 28.6 Amps    |
|                        | Maximum Overcurrent Protection (MOP) | 30 Amps      |

**Unit Data:**

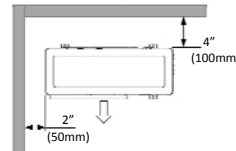
|                    |                             |
|--------------------|-----------------------------|
| Dimensions (HxWxD) | 55-27/32 x 56-1/2 x 15-1/32 |
| Weight             | 397 lbs                     |

**Standard Features:**

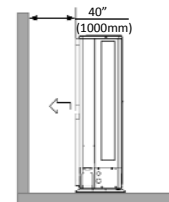
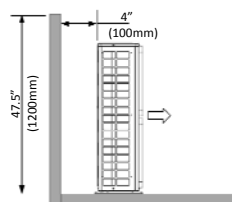
|   |         |
|---|---------|
| Compressor warranty from date of installation | 7 years |
| Parts warranty                                | 5 years |
| Limited labor warranty                        | 1 year  |



For further information about the installation, please refer to the Installation and Engineering Guides



**Installation Servicing Space and Clearance**



**Connections Adaptor Options:**

1-1/4" BSPT (Male) By 1-1/4" NPT (Male)      DACA-HBA-3