Submittal Data Sheet
(H,Y)VWH(P,R)120B_2S Water Source Condensing Unit
10 Ton, Heat Pump and Heat Recovery, 208-230V/60/3 and 460V/60/3

Job Name: 
Location: 
Purchaser: 
Order No: 
Engineer: 
Submitted By: 
Date: 
Unit Designation: 
Schedule No: 
Construction: 
Model No: 

Features and Benefits

- Compact, modular and light weight equipment installed entirely inside the building enhances design flexibility and makes it easier to adapt to different building types
- Wide capacity range with all Inverter Compressors delivering maximum efficiency at part load conditions, providing comfortable individual zone control
- Outstanding VRF solution for cold climate applications – operation and capacity not affected by outside temperature, no defrost operation required
- Flexible solution with 1-, 4-, 8-, and 12-port change-over boxes for heat recovery applications
- Energy efficient and personal comfort solution via simultaneous cooling and heating capability, for heat recovery
- Refrigerant cooled Inverters for reliable and efficient operation
- Developed for easy installation and service – field selectable top or front refrigerant connections and easy accessible control

Technical Data

<table>
<thead>
<tr>
<th>(H,Y)VWHP120B_2S Heat Pump</th>
<th>(H,Y)VWHR120B_2S Heat Recovery</th>
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**Unit Performance**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Power Supply (V/Hz/Ph)</th>
<th>Nominal Capacity, Cooling (Btu/h)</th>
<th>Nominal Capacity, Heating (Btu/h)</th>
<th>IEER, Non-Ducted (Btu/wh)</th>
<th>COP68, Non-Ducted, Heating (W/W)</th>
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</thead>
<tbody>
<tr>
<td>(H,Y)VWH(P,R)120B32S</td>
<td>208-230/60/3</td>
<td>120,000</td>
<td>135,000</td>
<td>26.10</td>
<td>4.95</td>
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<tr>
<td>(H,Y)VWH(P,R)120B42S</td>
<td>460/60/3</td>
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**Unit Details**

| MCA (A) | 38-34 | 20 |
| MOP (A) | 60-50 | 30 |
| Dimensions H x W x D (") | 39-3/8 x 30-11/16 x 21-5/8 |
| Net Weight (lbs) | 381 | 390 |
| Refr. Piping, Gas/HL(for HR)/Liquid (") | 7/8 / (3/4) / 1/2 |
| Water Pipe Size, Inlet and Outlet (") | 1-1/4 |
| Sound Pressure (dBA) | 60 | 60 |
| Refrigerant Type | R410A |
| Refrigerant Charge (lbs) | 10.4 |
| Water Inlet Temp Range (°F) | 50-113 |
| Water Flow, Rated / Range (GPM) | 25.4 / 20-56 |
| Pressure Drop at Rated Flow (ft wg) | 13 |
| Max./Recommended No. of IUs | 23 / 8 |
| Connection Ratio Range (%) | 50 - 130 |

**System Details**

| Max. Total Piping Length (ft) | 984 |
| Max. Vert. Distance, CU above IU (ft) | 164 |
| Max. Vert. Distance, CU below IU (ft) | 131 |
| Max. Vertical Distance, IU to IU (ft) | 49 |

Performance ratings are based on AHRI 1230 test standard
For additional product information, refer to the Engineering Manual

Version 201810
**Module Dimensions**

* 3rd pipe is for heat recovery only.

**Piping Connections**

Items ① through ⑩ are field supplied.

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