### CAPACITY

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling Capacity</td>
<td>264,000 [BTU/h]</td>
</tr>
<tr>
<td>Nominal Heating Capacity</td>
<td>297,000 [BTU/h]</td>
</tr>
<tr>
<td>Nominal Tonage</td>
<td>22</td>
</tr>
<tr>
<td>Maximum Connectable Indoor Units</td>
<td>41</td>
</tr>
<tr>
<td>Connectable Capacity</td>
<td>50% to 150%</td>
</tr>
<tr>
<td>Cooling Power Input</td>
<td>22.35</td>
</tr>
<tr>
<td>Heating Power Input</td>
<td>23.2</td>
</tr>
</tbody>
</table>

### ELECTRICAL

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Power Requirements</td>
<td>460 VAC, 3-Phase, 60Hz</td>
</tr>
<tr>
<td>Voltage Range</td>
<td>414 to 506 VAC</td>
</tr>
<tr>
<td>Maximum Circuit Breaker</td>
<td>3X (25)</td>
</tr>
<tr>
<td>Minimum Circuit Ampacity (MCA)</td>
<td>3X (21)</td>
</tr>
<tr>
<td>Cooling Power Input</td>
<td>22.35</td>
</tr>
<tr>
<td>Heating Power Input</td>
<td>23.2</td>
</tr>
<tr>
<td>Maximum Starting Current (MCA)</td>
<td>3X (16.8)</td>
</tr>
<tr>
<td>Compressor - Rated Load Amperage (RLA)</td>
<td>1X (8.5) + 2X (12.5)</td>
</tr>
<tr>
<td>Fan Motor - Full Load Amperage (FLA)</td>
<td>3X (1.5)</td>
</tr>
</tbody>
</table>

### COMPRESSOR

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressor Type</td>
<td>3X Rotary Inverter</td>
</tr>
<tr>
<td>Refrigerant Type</td>
<td>R410A</td>
</tr>
<tr>
<td>Refrigerant Charge</td>
<td>3X (26.61 [11.80])</td>
</tr>
<tr>
<td>Compressor Crankcase Heater</td>
<td>3X (2X 3.5)</td>
</tr>
<tr>
<td>Refrigerant Oil / Lubricant</td>
<td>POE</td>
</tr>
<tr>
<td>Compressor Capacity Control - Steps/Range</td>
<td>951 / 20 - 115</td>
</tr>
</tbody>
</table>

### FAN

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan Type</td>
<td>3X Propeller fan</td>
</tr>
<tr>
<td>Fan Airflow Rate - CFM [m3/h]</td>
<td>3X (6,533 [11,100])</td>
</tr>
<tr>
<td>Fan Power Output</td>
<td>3X (750)</td>
</tr>
<tr>
<td>Fan Motor - Full Load Amperage (FLA)</td>
<td>3X (1.5)</td>
</tr>
<tr>
<td>External Static Pressure [in]</td>
<td>0.32 [80]</td>
</tr>
</tbody>
</table>

### HEAT EXCHANGER

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. E. Pipe Type (Material)</td>
<td>Grooved H-pin (Copper)</td>
</tr>
<tr>
<td>H. E. Fin Tube (Material)</td>
<td>Corrugate (Aluminum)</td>
</tr>
<tr>
<td>H. E. Fin Surface Treatment</td>
<td>Corrosion resistance (Blue fin)</td>
</tr>
<tr>
<td>H. E. Fin Pitch [FPI]</td>
<td>18 [1.45]</td>
</tr>
<tr>
<td>H. E. Rows x Stages</td>
<td>3X (3 x 60)</td>
</tr>
<tr>
<td>H. E. Face Area - ft² [m²]</td>
<td>3X (23 [2.2])</td>
</tr>
<tr>
<td>H. E. Length - in [mm]</td>
<td>3X (69-5/16 [1760])</td>
</tr>
</tbody>
</table>

### OPERATING TEMPERATURES

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temp. Cooling (DB)</td>
<td>14 to 115 [-10 to 66]</td>
</tr>
<tr>
<td>Operating Temp. Heating (DB)</td>
<td>-4 to 70 [-20 to 21]</td>
</tr>
<tr>
<td>Operating Temp. Heating(Simultaneous)</td>
<td>14 to 70 [-10 to 21]</td>
</tr>
</tbody>
</table>

### EFFICIENCY

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EER Cooling (Ducted/Non Ducted)</td>
<td>10.9 / 10.9</td>
</tr>
<tr>
<td>IEER Cooling (Ducted/Non Ducted)</td>
<td>20.1 / 20.8</td>
</tr>
<tr>
<td>COP / Heating 4.7°F (Ducted/Non Ducted)</td>
<td>3.4 / 3.45</td>
</tr>
<tr>
<td>SCHE (Ducted/Non Ducted)</td>
<td>22 / 22</td>
</tr>
</tbody>
</table>

### WIRING

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Cable</td>
<td>LonWorks (Fujitsu Pink Cable. See AE Bulletin 009)</td>
</tr>
</tbody>
</table>

### PIPING

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Total Refrigerant Line Length</td>
<td>3,280 ft [1,000 m]</td>
</tr>
<tr>
<td>Max. Height Diff. (Upper/Lower)</td>
<td>164/131 ft [50/40 m]</td>
</tr>
<tr>
<td>Pipe Connection Method</td>
<td>Liquid/Gas</td>
</tr>
<tr>
<td>Pipe Connection: Liquid - in [mm]</td>
<td>3X (15.88)</td>
</tr>
<tr>
<td>Pipe Connection: Discharge Gas - in [mm]</td>
<td>1-1/8 [28.58]</td>
</tr>
<tr>
<td>Pipe Connection: Suction Gas - in [mm]</td>
<td>1-3/8 [34.92]</td>
</tr>
</tbody>
</table>

### SOUND

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound Pressure Levels (Cooling/Heating)</td>
<td>63 / 63</td>
</tr>
</tbody>
</table>

### WEIGHT

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight</td>
<td>3X (609 [276])</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>3X (653 [296])</td>
</tr>
</tbody>
</table>

### DIMENSIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dim.Net (HxWxD)</td>
<td>3X (66-9/16 x 36-5/8 x 30-1/8)</td>
</tr>
<tr>
<td>External Static Pressure [in]</td>
<td>0.32 [80]</td>
</tr>
<tr>
<td>Dim.Gross (HxWxD)</td>
<td>3X (71-5/16 x 39-7/16 x 33-3/8)</td>
</tr>
</tbody>
</table>

### CODE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETL</td>
<td>3170288</td>
</tr>
<tr>
<td>AHRI Certified</td>
<td>Standard 1230</td>
</tr>
</tbody>
</table>

Note: Specifications are based on the following conditions:

- Cooling: Indoor temperature of 80°F (26.7°C) DB/67°F (19.4°C) WB, and outdoor temperature of 95°F (35°C) DB/75°F (23.9°C) WB.
- Heating: Indoor temperature of 70°F (21.1°C) DB/60°F (15.6°C) WB, and outdoor temperature of 47°F (8.3°C) DB/43°F (6.1°C) WB.
- Pipe length: 25ft. (7.5m), Height difference: 0ft. (0m) (Outdoor unit – indoor unit).

- Inverter driven compressor
- New style high power DC fan motor.
- Blue fin heat-exchanger (Corrosion resistance)
- 10 year Extended Warranty on parts and compressor. See Warranty Statement.
- Optional: Internet, BACnet, LonWorks, or Modbus communication.
- Outdoor separation tube must be ordered separately (UTP-DX567A).

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Fax: (973) 836-0453  
www.airstagevrf.com