The YANMAR Variable Refrigerant Flow (VRF) natural gas heat pump system provides a flexible way to efficiently heat and cool many different types of buildings. By using natural gas to power a YANMAR gas engine, YANMAR’s VRF system is able to reduce electrical costs by 90% and lower average operating costs by 30% over a standard electric system.

### Model Specifications

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Cooling</th>
<th>Nominal Tons</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kW</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td>BTU</td>
<td>189,000</td>
<td></td>
</tr>
<tr>
<td>Low Temp/ Cold Temp Heating</td>
<td>BTU</td>
<td>178,000</td>
<td></td>
</tr>
<tr>
<td>kW</td>
<td>52</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Outdoor Unit**
- Number of Pipes: # 3

**Indoor Unit (IDU) Connections**
- IDU Total Capacity: %Min - %Max 60-130
- Max Number of Connectable IDU: # 29

**Electrical**
- Power Supply Voltage (Frequency): V (HZ) 208/230/240 (60) Single Phase
- Operating Current for Cooling/Heating: A/A 6.43/6.04
- Power Consumption for Cooling/Heating: kW/kW 0.86/0.95

**Fuel Consumption HHV**
- Natural Gas for Cooling: BTU/Hr. (kW) 168,000 (49.2)
- Natural Gas for Heating: BTU/Hr. (kW) 147,000 (43.1)

**Sound Level**
- Normal/Quiet Mode: dB(A) 58/55

**Fans**
- Number of Units: # 2
- Rated Air Flow: cfm (m³ / min) 13,420 (380)

**Pipe Size Data**
- Refrigerant Suction Line: in. (mm.) 1.125 (28.6)
- Refrigerant Liquid Line: in. (mm.) .625 (15.9)
- Natural Gas Fuel Pipe Thread & Size: NPT 3/4

**Dimensions**
- Height: in. (mm.) 85.44 (2,170.1)
- Width: in. (mm.) 66.56 (1,690.7)
- Depth: in. (mm.) 31.5 (800.1)
- Weight: lb. (kg.) 1,962 (890)

**Refrigerant**
- Type: - R410(A)
- Charge: lb. (kg.) 26 (11.8)

**Operating Range**
- Cooling: °F (°C) 14 to 115 (-10 to 46.1)
- Heating: °F (°C) -4 to 95 (-20 to 35)

**Standard Limited Warranty**
- Condensing Unit*: Years/Hours 5/20,000 Parts**
- Fan Coil Unit and Indoor Accessories: - 1 Year Parts
- 1/4,000 Labor
- 7/28,000 Compressor

* Provided that all scheduled maintenance is completed according to the VRF Condensing Unit’s limited warranty statement. Offerings based on year or hours, whichever comes first.
** Excludes compressor

NOTE: Due to YANMAR’s ongoing commitment to quality, specifications, ratings and dimensions subject to change without notice. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be in accordance with current specifications, ratings and dimensions and be performed by a qualified installer and servicing agency.

YANMAR ENERGY SYSTEMS 2016
yanmar-es.com
E16YGESP005