**SCOT Bronze Marine Motorpump™**

**MARCH 19, 2014**

**58206**

**SCOT**

**Bronze Marine Motorpump™**

**Vicktualic Grooved Suction and Discharge Ports**

2 1/2 x 2 1/2 2 Pole 3450-2900 RPM 60-50 Hz

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**Pump**

- Heavy-duty All Bronze marine pump
- Style P - for fresh water. Pump has a bronze long shaft.
- Pump discharge and suction are machined for Victaulic grooved pipe fittings.
- Hardware -
  - External - Type 300 stainless steel
  - Internal – Type 316 stainless steel
- Enclosed impeller for solids to 5/8 inch
- Designed for continuous 24/7 operation.

**Shaft Seal**

- Rated at 125 PSI
- Buna rubber parts, ceramic stationary element, carbon rotating element, seawater stainless steel spring and metal components

**Vicktualic System Connector**

- The pump case suction and discharge are fitted with a Victaulic coupling and a female pipe fitting which:
  - Reduces vibration transmission
  - Compensates for slight misalignment
  - Accommodates piping system contraction or expansion
- Agency listing
  - ABS American Bureau of Shipping
  - ANSI Amer. National Standards Institute
  - CE Certif European
  - Lloyds Lloyds Register of Shipping
  - ASHRAE Amer. Soc. Of Heating, Refrig. Engrs
  - ASME Amer. Soc. Mechanical Engrs
  - UL Underwriters Lab
- Pump can be easily removed for service. Only two bolts per coupling.

**Motor**

- Totally enclosed fan cooled IP-44 motors meet marine, European, and Coast Guard ignition protected requirements.
- Sealed ball bearings
- Single phase motors must be ordered specifically for either 60 Hz or 50 Hz.
- Single-phase motors are capacitor start 60 Hz – 115-230 Volt
  - 50 Hz – 110-220 Volt
- Three-phase motors designed for dual frequency 60 Hz or 50 Hz. Connect to either 60 Hz or 50 Hz power.
- Three-phase – nine lead dual voltage 60 Hz – 230/460 Volt
  - 50 Hz – 190/380 Volt

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**Model 58206 Suggested Parts Inventory**

- **Part Number**
  - 189.001.118 Seal Kit
  - 131.000.805.XXX Impeller
- **Name**
  - Seal Kit
  - Impeller
- **Example:** 450 = 4.50 inches 562 = 5.62 inches

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**Motor Dimensions**

**Frame Dimension Table - 3450-2900 RPM TEFC Motor**

<table>
<thead>
<tr>
<th>Frame</th>
<th>M</th>
<th>D</th>
<th>E</th>
<th>2F</th>
<th>AB</th>
<th>BA</th>
<th>MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>213</td>
<td>15.12</td>
<td>5.25</td>
<td>7.5</td>
<td>5.50</td>
<td>7.38</td>
<td>4.50</td>
<td>.41</td>
</tr>
<tr>
<td>184</td>
<td>14.12</td>
<td>4.50</td>
<td>7.50</td>
<td>5.00</td>
<td>4.88</td>
<td>3.50</td>
<td>.41</td>
</tr>
<tr>
<td>122</td>
<td>13.12</td>
<td>4.50</td>
<td>7.50</td>
<td>4.50</td>
<td>4.88</td>
<td>3.50</td>
<td>.41</td>
</tr>
</tbody>
</table>

Three phase amps for 460V 60 Hz is one half 230V amps

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**Impeller vs Motor HP**

<table>
<thead>
<tr>
<th>Imp</th>
<th>HP Ampere Table - 3450-2900 RPM TEFC</th>
<th>Motor HP</th>
<th>Three Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60 Hz</td>
<td>50 Hz</td>
<td>230 V</td>
</tr>
<tr>
<td>562</td>
<td>10</td>
<td>7 1/2</td>
<td>26.0</td>
</tr>
<tr>
<td>513</td>
<td>7 1/2</td>
<td>5</td>
<td>19.0</td>
</tr>
<tr>
<td>475</td>
<td>5</td>
<td>3</td>
<td>12.6</td>
</tr>
<tr>
<td>450</td>
<td>3</td>
<td>2</td>
<td>7.6</td>
</tr>
</tbody>
</table>

Three phase amps for 460V 60 Hz is one half 230V amps

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**Motor Bearings**

<table>
<thead>
<tr>
<th>Bearing No.</th>
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</thead>
<tbody>
<tr>
<td>JM210</td>
</tr>
<tr>
<td>JM180</td>
</tr>
<tr>
<td>JM140</td>
</tr>
</tbody>
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*Scot Pump Florida – Ardox Corp  Ft. Lauderdale, FL  33315  www.scotpumpmarine.com  SN-58206*  
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