**SCOT**

**Bronze Marine Motorpump™**

2 x 2 NPT  2 Pole  3450-2900 RPM  60-50 Hz

**Model 57017**

**APRIL 25, 2014**

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**Pump**

- Heavy-duty All Bronze marine pump
  - Style S - for fresh water. Pump has an alloy bronze sleeve over the motor shaft.
  - Style X – for sea water. Pump has a solid cast bronze alloy 954 stub shaft.
- Precision machined to close tolerances for consistent performance.
- **Hardware**
  - External - Type 300 stainless steel
  - Internal – Type 316 stainless steel
- Enclosed impeller for solids to 11/32 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

**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 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

**To Select a Motorpump**

- Establish the capacity (GPM) and head required
- Refer to the 50 Hz or 60 Hz curve to determine the impeller required

**To Order Specify**

- Model 57017 Motorpump
- Duty (Seawater X or Freshwater S)
- Impeller (Imp) Number

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**Model 57017 Suggested Parts Inventory**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>189.001.118</td>
<td>Seal Kit</td>
<td></td>
</tr>
<tr>
<td>131.000.806.XXX</td>
<td>Impeller</td>
<td></td>
</tr>
</tbody>
</table>

Seal kit has a seal, case gasket and instruction information

XXX is impeller diameter

Example: 450 = 4.50 inches  550 = 5.50 inches

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**Motor Dimensions**

<table>
<thead>
<tr>
<th>Motor HP</th>
<th>FrameDimensions - 3450-2900 RPM TEFC Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60 Hz</td>
</tr>
<tr>
<td></td>
<td>M</td>
</tr>
<tr>
<td>5</td>
<td>184</td>
</tr>
<tr>
<td>3</td>
<td>182</td>
</tr>
<tr>
<td>2</td>
<td>145</td>
</tr>
<tr>
<td>1 1/2</td>
<td>145</td>
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</tbody>
</table>

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**Impeller vs Motor HP**

<table>
<thead>
<tr>
<th>HP Ampere Table - 3450-2900 RPM TEFC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imp</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>Imp</td>
</tr>
<tr>
<td>500</td>
</tr>
<tr>
<td>475</td>
</tr>
<tr>
<td>450</td>
</tr>
</tbody>
</table>

Single phase amps for 115 V 60 Hz is double 230 V amps
Three phase amps for 460 V 60 Hz is one half 230 V amps
Single phase 50 Hz motors are special order

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**Motor Bearings**

<table>
<thead>
<tr>
<th>Motor Bearings</th>
<th>Name</th>
<th>Bearing No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Frame</td>
<td>Shaft End</td>
<td>End Opposite</td>
</tr>
<tr>
<td>JM180</td>
<td>6207</td>
<td>6205</td>
</tr>
<tr>
<td>JM140</td>
<td>6207</td>
<td>6203</td>
</tr>
</tbody>
</table>

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**Curve Numbers**

- Curve Number EC-017-2900 for 2900 RPM
- Curve Number EC-017-3450 for 3450 RPM

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Scot Pump Florida – Ardox Corp  Ft. Lauderdale, FL 33315  www.scotpumpmarine.com  SN-57017

Repl. March 26, 2014