**SCOT Bronze Marine Motorpump™**  
**Victaulic Grooved Suction and Discharge Ports**  
3 x 2 1/2  2 Pole  3450 - 2900 RPM  60-50 Hz

**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.  
- 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 1/2 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

**Victaulic 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 Amer. 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**
- Designed for dual frequency 60 Hz or 50 Hz.  
  Connect to 60 Hz or 50 Hz power.  
- Three-phase – nine lead dual voltage  
  60 Hz – 230/460 Volt  
  50 Hz – 190/380 Volt  
- Sealed ball bearings

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**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 70054 Motorpump  
- Duty (Style S-Fresh Water or Style X-Sea Water)  
- Impeller (Imp) Number  
- Motor HP

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**Motor Dimensions**

<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>
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<td>5.25</td>
<td>4.25</td>
<td>7.00</td>
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**Impeller vs Motor HP**

<table>
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<tr>
<th>Imp No.</th>
<th>Motor HP</th>
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<tbody>
<tr>
<td>Impeller No.</td>
<td>60 Hz</td>
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<tr>
<td>650</td>
<td>15</td>
</tr>
<tr>
<td>600</td>
<td>10</td>
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<td>550</td>
<td>7 1/2</td>
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<td>5</td>
</tr>
<tr>
<td>450</td>
<td>5</td>
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**Connector fitting is made by Scot from bronze cast alloy 954. The gauge ports are sealed with a 1/4 inch MNPT pipe plug, also made by Scot from cast alloy 954.**

**Coupling is manufactured by Victaulic Rated 500 psi. www.victaulic.com**

See the following Sections for more information:  
**Victaulic Grooved Pumps  
Victaulic Grooved Fittings**

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Scot Pump Florida – Ardox Corp  Fort Lauderdale, FL  33315  www.scotpumpmarine.com  SN-70054  
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