Pump
- Heavy-duty All Bronze marine pump
  Style S - for fresh water. Has an alloy bronze sleeve over the motor shaft.
  Style X – for sea water. Has a solid cast bronze alloy 954 stub shaft.
- Pump discharge and suction are machined for grooved pipe couplings.
- Hardware:
  External - Type 300 stainless steel
  Internal - Type 316 stainless steel
- Enclosed impeller for solids to 1/32 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

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 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 are 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

Photo of 58017 shows a male NPT fitting on the suction and discharge instead of the standard female fitting.

Specifying when ordering. Cost is the same

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

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

Model 58017 Suggested Parts Inventory

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>189.001.118</td>
<td>Seal Kit</td>
<td>Seal kit has a seal, case gasket and instruction information Example: 450 = 4.50 inches 550 = 5.50 inches</td>
</tr>
<tr>
<td>131.000.806.XXX</td>
<td>Impeller</td>
<td>XXX is impeller diameter</td>
</tr>
</tbody>
</table>

Model 58017 Motor Dimensions

<table>
<thead>
<tr>
<th>Impeller vs Motor HP</th>
<th>Motor HP</th>
<th>Amperes - 3450-2900 RPM TEFC Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Single Phase</td>
</tr>
<tr>
<td></td>
<td>60 Hz</td>
<td>50 Hz 60 Hz 230 V</td>
</tr>
<tr>
<td></td>
<td>50 Hz 60 Hz 230 V</td>
<td>50 Hz 50 Hz 220 V</td>
</tr>
<tr>
<td>550</td>
<td>5 184</td>
<td>3 182</td>
</tr>
<tr>
<td>475</td>
<td>3 182</td>
<td>2 145</td>
</tr>
<tr>
<td>450</td>
<td>2 145</td>
<td>1 1/2 145</td>
</tr>
<tr>
<td>400</td>
<td>1 1/2 145</td>
<td>1/2 184</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

Motor Bearings

<table>
<thead>
<tr>
<th>Motor Frame</th>
<th>Bearing No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>JM180</td>
<td>6207</td>
</tr>
<tr>
<td>JM140</td>
<td>6207</td>
</tr>
</tbody>
</table>

Three phase motors are designed for dual frequency 60 Hz or 50 Hz. Connect to either 60 Hz or 50 Hz power.