Pump
- Heavy-duty All Bronze marine pump
  Style C - 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 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

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 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 58122 shows suction port with connector.
Each connector has:
- One coupling
- One gasket
- One Bronze pipe fitting, female NPT or BSP
A male NPT fitting is the on the discharge instead of the standard female fitting.
Coupling is manufactured by Victaulic
Rated 500 psi
www.victaulic.com

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

Impeller vs Motor HP

<table>
<thead>
<tr>
<th>Motor HP</th>
<th>60 Hz</th>
<th>50 Hz</th>
<th>M inches</th>
<th>60 Hz</th>
<th>50 Hz</th>
<th>60 Hz</th>
<th>50 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imp</td>
<td>Hz</td>
<td>Hz</td>
<td></td>
<td>Hz</td>
<td>Hz</td>
<td>Hz</td>
<td>Hz</td>
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<tr>
<td>562</td>
<td>1</td>
<td>1/2</td>
<td>1/2</td>
<td>10.50</td>
<td>50Hz</td>
<td>60Hz</td>
<td>50Hz</td>
</tr>
<tr>
<td>500</td>
<td>1</td>
<td>1</td>
<td>10.25</td>
<td>7.1</td>
<td>50Hz</td>
<td>60Hz</td>
<td>50Hz</td>
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<tr>
<td>450</td>
<td>3/4</td>
<td>3/4</td>
<td>9.75</td>
<td>6.0</td>
<td>50Hz</td>
<td>60Hz</td>
<td>50Hz</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
** = Special Order - 50 Hz motor

Model 58122 Suggested Parts Inventory

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Name</th>
</tr>
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<tbody>
<tr>
<td>189.001.118</td>
<td>Seal Kit</td>
</tr>
<tr>
<td>137.000.530.XXX</td>
<td>Impeller</td>
</tr>
<tr>
<td>6203</td>
<td>Motor Bearings</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