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 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

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

Impeller vs Motor HP

Model 58016 Suggested Parts Inventory

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Name</th>
<th>Seal Kit Diameter</th>
<th>Impeller Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>189.001.118</td>
<td>Seal Kit</td>
<td>4.50 inches</td>
<td>5.50 inches</td>
</tr>
<tr>
<td>131.000.808.XXX</td>
<td>Impeller</td>
<td>XXX</td>
<td>XXX</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

Motor Bearings

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

Photo shows 58016 before installing a suction and discharge connector.

Each connector has:
- One coupling
- One gasket
- One Bronze pipe fitting, female NPT or BSP

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

See the following Sections for more information:

Victaulic Grooved Pumps
Victaulic Grooved Fittings