Bronze Marine Motorpump™

1 1/2 x 1 1/2 NPT  2 Pole  3450 - 2900 RPM  60 - 50 Hz

Model 68716

DECEMBER 19, 2013

Fire pump 40 GPM – 50 PSI
Bilge pump to 80 GPM

Used as a fire pump on commercial and military vessels. High pressure and high volume. Provides seawater for shipboard applications. Install with a suitable suction strainer – max. 3/8-inch openings

As a fire pump, up to 50 PSI from a 30 GPM nozzle.
As a bilge pump will self-prime up to 20 feet. Capacity is 80 gallons per minute at a 5-foot suction lift.

**Pump**
- Heavy-duty All-Bronze Seawater pump
- Shaft is bronze alloy 954
- Designed for Seawater use. Impeller key and impeller lock nut are type 316 stainless steel. Precision machined to close tolerances for consistent performance
- Hardware is stainless steel
- Enclosed impeller for high efficiency
- Designed for continuous 24 / 7 duty

**Shaft Seal**
- Buna rubber parts, ceramic stationary element, carbon rotating element, stainless steel spring and metal components

**Motor**
- 3 HP 60 Hz 3450 RPM single or three-phase
- Single-phase capacitor start 230-volt with auto reset overload protection
- Three-phase – 208-230/460-volt
- Sealed ball bearings
- Motor is TEFC (IP-44)

**Ignition-Protected Requirements**
- Meets Coast Guard ignition-protected requirements

**To Prime**
- Remove prime plug
- Fill case with water, place suction line under water

**Prime Period**
- Close prime plug
- Install vent line in discharge to permit air to escape.
- Vent line must not be under water
- Start motor. Air should be escaping from vent line
- It can take up to 90 seconds to evacuate all the air from suction line.
- Do not remove suction line from water
- If the suction line is removed from water during the prime period, the process must be started over.

**Suggested Parts Inventory**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seal Kit 189.001.142</td>
<td>One seal and install instructions</td>
</tr>
<tr>
<td>Impeller 131.000.745</td>
<td>One O-Ring case gasket</td>
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</tbody>
</table>

**Motor Dimensions**

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<thead>
<tr>
<th>HP</th>
<th>Frame</th>
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<th>E</th>
<th>2F</th>
<th>BA</th>
<th>M</th>
<th>MH</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>182</td>
<td>4.50</td>
<td>3.75</td>
<td>4.50</td>
<td>3.50</td>
<td>13.12</td>
<td>.41</td>
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Three phase amps for 460V is one half 230V amps

**Motor Bearings**

<table>
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<tr>
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<tr>
<td>JM180</td>
<td>6207</td>
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<tr>
<td></td>
<td>6205</td>
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**HP Amp Table**

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