BRONZE RUBBER IMPELLER PUMP

MODEL
202M
202M-03
202M-07
202M-15
202M-16

OBERDORFER PUMPS
A Subsidiary of Thomas Industries Inc.

BRONZE RUBBER IMPELLER PUMP

MODEL
202M / 202M-03 / 202M-07
202M-15 / 202M-16

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MODEL
202M-15 / 202M-16

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FEATURES

• Rugged simplicity
• Corrosion Resistant
• Drain plug
• 2 bolt flange mounting
• Skilled shaft drive or male tang drive
• 2 separate seals: main pump and flange mounting
• “Up” direction in & out ports
• Large vent & drain openings
• High chrome nickel stainless steel shaft
• Impeller & cam easily replaced

PERFORMANCE

WATER AT 60°F

<table>
<thead>
<tr>
<th>PUMP</th>
<th>RPM</th>
<th>0</th>
<th>18</th>
<th>36</th>
<th>54</th>
<th>72</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>202M</td>
<td>1750</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
</tr>
<tr>
<td>202M-03 / 202M-07</td>
<td>2500</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
</tr>
<tr>
<td>202M-15 / 202M-16</td>
<td>3500</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
<td>1/3</td>
</tr>
</tbody>
</table>

DO NOT RUN DRY

Rubber impellers generate high rubbing friction unless lubricated by liquid pumped. Lack of liquid will cause impeller to burn up.
BRONZE RUBBER IMPELLER PUMP
ENGINE MOUNT
MODEL 202M 202M-03 202M-07 202M-15 202M-16

DESIGN SPECS

<table>
<thead>
<tr>
<th>Model</th>
<th>Parts</th>
<th>Cam</th>
<th>Flange</th>
<th>Shaft</th>
<th>Designed for</th>
<th>Universal #</th>
</tr>
</thead>
<tbody>
<tr>
<td>202M-12</td>
<td>1-14 FNPT</td>
<td>half</td>
<td>3 bolt</td>
<td>5 bolt with 7/32&quot; slot</td>
<td>Universal Atomic-4 Series Gas and Diesel Marine Engine</td>
<td>299905</td>
</tr>
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<td>202M-12</td>
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<td>299905</td>
</tr>
<tr>
<td>202M-15</td>
<td>3-18 FNPT</td>
<td>half</td>
<td>5 bolt with main pilot</td>
<td>main tang</td>
<td>Universal Series with Kubota Diesel</td>
<td>307337</td>
</tr>
<tr>
<td>202M-15</td>
<td>1-14 FNPT</td>
<td>half</td>
<td>3 bolt with main pilot</td>
<td>main tang</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LIQUIDS AND TEMPERATURE

Liquids compatible with neoprene can be pumped including fresh and salt water solutions and mild chemicals. Do not pump gasoline, severe solvents or acids. When possible flush pump with fresh water after each usage.

Buna (Nitrile) impellers can handle oil contaminated water and kerosene at reduced impeller service life.

Extremes of cold and heat will affect impeller life. Limits of 40°F to 140°F should be observed. Do not allow liquid in pump to freeze. Drain pump by removing drain plug provided. Located at bottom of pump body. Use methyl alcohol based anti-freeze compounds.

On initial start-up pump must be primed to prevent dry-running of the impeller. Suction lift of 15 ft. is possible when impeller is wet and pump is fully primed. Suction lines must be air tight in order for pump to self prime.

Notes:
1. Neoprene impeller is standard, optional Buna impeller (8514) available
2. Brass case, buna elastomer
3. Pumps equipped with pre-filled grease cups from the factory, 202M, 202M-03, 202M-07
4. Kits contain items 3,4,5,10 and (when applicable) 14

EXPLODED VIEW AND PARTS LIST

Pump Universal Model Horsepower Cylinders Block Model

202M-03 Atomic 4
202M-07 M-15 11 2 Z-500
202M-07 M-12 10 2 Z-400
202M-15 M-18 14 2 Z-600
202M-15 M-25XP 23 3 D-950
202M-15 M-30 24 3 D-1101
202M-15 M-30 24 3 D-1102
202M-15 M-50 44 2 V-1902

KU BOTA ENGINE DATA

Pump Ku bota Model Horsepower Cylinders Displacement

202M-16 Z482E 13.5 2 479 cc
202M-16 D722E 20.5 3 719 cc
202M-16 V1903E 42 4 1857 cc
252M-16 V2203E 48.5 4 2197 cc

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