**BRONZE RUBBER IMPELLER PUMP**

**ENGINE MOUNT**

OBERDORFER PUMPS
A Subsidiary of Thomas Industries Inc.

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**202M, 202M-03, 202M-07**

**DIMENSIONS**

![Diagram of 202M, 202M-03, 202M-07 Dimensions]

*STD. PORT SIZE FOR MODEL 202M is 1/2-14 NPT
STD. PORT SIZE FOR MODEL 202M-03, 202M-07 is 3/8-18 NPT

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**202M-15, 202M-16**

**DIMENSIONS**

![Diagram of 202M-15, 202M-16 Dimensions]

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**ROTATIONAL**

- Rugged simplicity
- Corrosion Resistant
- Drain plug
- 2 bolt flange mounting
- Skewed 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**

<table>
<thead>
<tr>
<th>RPM</th>
<th>0</th>
<th>15</th>
<th>30</th>
<th>45</th>
<th>60</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPM</td>
<td>1.25</td>
<td>1.35</td>
<td>1.45</td>
<td>1.55</td>
<td>1.65</td>
<td>1.75</td>
</tr>
</tbody>
</table>

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**RUBBER IMPELLER PUMP**

**MODEL**

<table>
<thead>
<tr>
<th>202M</th>
<th>202M-03</th>
<th>202M-07</th>
<th>202M-15</th>
<th>202M-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>1750</td>
<td>2500</td>
<td>3500</td>
<td></td>
</tr>
</tbody>
</table>

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**DO NOT RUN DRY**

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

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.

SUCTION LIFT

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 fully primed. Suction lines must be air tight in order for pump to self prime.

GUARDIAN ENGINE DATA

Pump Universal Model Horsepower Cylinders Block Model
202M-03 Atomic 4 11 2 Z-500
202M-07 M-15 10 2 Z-490
202M-15 M-18 14 2 Z-600
202M-15 M-25XP 23 3 D-950
202M-15 M-30 24 3 D-1102
202M-15 M-50 44 2 V-1902

KUBOTA ENGINE DATA

Pump Kubota Model Horsepower Cylinders Displacement
202M-16 Z482E 13.5 2 479 cc
202M-16 D722E 20.5 3 719 cc
202M-16 V1803E 42 4 1857 cc
252M-16 V2203E 48.5 4 2197 cc

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