Interchangeable Immersion & Suction Coolant/Oil Pumps

- Fully Interchangeable with Units Furnished on Most Imported Machine Tools
- 1/8 to 1 HP Totally Enclosed Motors
- 2 Pole, 3450 RPM
- Single or Three Phase Motors
- Stainless Steel Semi-Open Impeller
- Cast Iron Construction
- Maximum Temperature 180° F
- Maximum Flow 56 GPM (Water)
- Maximum Head 60 Ft. (Water)
- Solids Handling and Fine Contaminant Design

AMT Interchangeable Coolant/Oil pumps are dependable, economical replacement pumps equivalent to units supplied with both domestic and foreign made machine tools such as Fuji, Mitsubishi, Toshiba, Hitachi and many others. These pumps are designed for the circulation and spraying of coolants and cutting oils. Pumps are available with a stainless steel impeller for added corrosion/erosion resistance and durability. 1/8 & 1/4 HP models are available in 115/230 VAC, 60 Hz single phase and 230/460 VAC, 50/60 Hz three phase. Motors are Totally Enclosed with sealed bearings and operate at 3450 RPM. Pumps feature semi-open impellers that are designed for handling solids and fine contaminants.

Performance of Interchangeable Coolant/Oil Pumps

A = 534 & 538 Series 3/8" 1/8 HP [0.09 kW]
B = 535 & 539 Series 3/4" & 1/2" 1/4 HP [0.19 kW]
C = 536 & 546 Series 3/4" 1/3 HP [0.37 kW]
D = 537 & 541 Series 1" 1/3 HP [0.56 kW]
E = 541 Series 1" 1 1/2 HP [0.75 kW]

(*) Convert to psi, divide by 2.31
Liquid - Water specific gravity 1.0
### Immersion Type Features†
- Cast Iron Construction
- Stainless Steel Impeller
- Carbon Steel Shaft
- Sealless Design for Pumping Abrasives
- Pumps Liquids Down to 2”
- Ideally Suited for Pumping Fine Contaminants

### Suction Type Features*
- Cast Iron Construction
- Stainless Steel Impeller
- Carbon Steel Shaft
- Carbon/Ceramic Shaft Seal
- Self-Priming up to 2’ - Maximum Suction Lift
- Pumps Must be Mounted Above Liquid

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### Pump Dimensional & Specification Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Curve</th>
<th>Type</th>
<th>HP</th>
<th>PH</th>
<th>Voltage @ 60 Hz+</th>
<th>Full Load amps</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>NPT</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>Ship Wt. (Lbs.)</th>
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<tr>
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<td>A</td>
<td>*SUC</td>
<td>1/8</td>
<td>3</td>
<td>115/230</td>
<td>0.70/0.35</td>
<td>6.8 [172.2]</td>
<td>1.7 [43.2]</td>
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<td>5.5 [139.7]</td>
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<td>3</td>
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<td>8.7 [220.1]</td>
<td>2.5 [63.5]</td>
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</table>

NOTE: Dimensions are in inches (millimeters) and have a tolerance of ±1/8”.

(+) 3-Phase models can also operate on 50 Hz. (This will change full load amps, service factor, RPM and performance.)

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### MOTOR DATA:
Pumps feature Totally Enclosed motors with sealed, permanently lubricated bearing for protection from dirt, moisture and soil.

Available in:
- Single (1) 115/230 VAC 60 Hz
- Three (3) 230/460 VAC 50/60 Hz

**Maximum Recommended Viscosity: 500 SSU**

† Immersion-type pumps require no bearings, seals, or packing, ideally suiting them for pumping liquids containing fine contaminants. For circulation of coolant and spraying of cutting oil in all machines, including grinders and applications with higher temperatures.

* Suction-type pumps must be mounted above the liquid level as well as other remote locations, featuring a 2 ft. maximum suction lift. For circulating coolant, liquids with large amounts of foreign matter and spraying cutting oil in all types of machines, except grinders.