About Our Company.

In 2006, Franklin Electric Company acquired Little Giant Pump Company to solidify our position as a leading global supplier of water pumping systems for residential and commercial markets. Little Giant® products – sump, sewage, effluent, utility, condensate removal and submersible industrial pumps – complement and broaden Franklin Electric’s overall water systems offering.

Little Giant Pump Company, now Franklin Electric, offers the industry a well-respected brand of products – Little Giant. Founded on quality, availability, service, innovation and value, Franklin Electric continues to bring the Little Giant brand name advantage.

Franklin Electric is a global leader in the production and marketing of systems and components for the movement of water and automotive fuels. Recognized as a technical leader in its specialties, Franklin serves customers around the world in residential, commercial, agricultural, industrial, municipal, and fueling applications.

Long recognized as the world’s largest manufacturer of submersible electric motors, Franklin Electric has been able to leverage its expertise in motor applications to grow and serve several different markets. The principal application for Franklin products is water well pumping systems, where the company offers pumps, motors, drives and controls. In addition, Franklin Electric produces a vast array of products for fueling systems and the water transfer market.

With 3,500 employees worldwide, Franklin Electric is a global manufacturer with over 25 manufacturing and distribution facilities located in the United States, Germany, Czech Republic, Italy, Mexico, Canada, Australia, Brazil, South Africa, China, and Japan.
What's Hot!

Hard-Working Pumps for Commercial, Industrial and Home Applications

Water Displays • Fountains • Air Conditioners
Machine Tool Cooling • More!

Portable Utility Pump

- Our most versatile pump
- Oil-filled motor; epoxy-coated cast aluminum housing
- Screened inlet; 26.3' maximum lift; pumps down to 1/8''
- For submersible use only

See page 6 for more information.

Small Submersible Pump

- Epoxy-coated cast aluminum housing
- Oil-filled motor
- Pumps 205 gallons per hour (GPH)
- Screened inlet; 7.4' maximum lift; thermal overload protection on most

See page 12 for more information.

Small Submersible Nylon Pump

- Corrosion-resistant nylon housing
- Oil-filled motor
- 210 GPH capacity
- Screened inlet; 10.2' maximum lift; thermal overload protection

See page 16 for more information.

See your distributor for more information, or call Franklin Electric directly at 1-800-701-7894.
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Utility Pumps

Pony Pump® Series
1/10 HP
Non-Submersible Use, Self-Priming

Applications
- Commercial, industrial and home uses where liquid must be transferred

Features
- Self priming for instant delivery or de-watering up to 6’ (1.8 m)
- Non-submersible stainless steel or plated brass pump body
- Dual threaded intake and discharge with both 3/4” (19 mm) male garden hose thread and 3/8” FNPT (9.5 mm)
- Rugged metallic handle for easy portability
- Model 360K includes pump, hose, strainer and suction adapter
- Pump only models available with separate kit options
- cULus listed (555502, 555103, 555122, 555507)

Series Specifications
Capacity: Up to 360 gph (1363 lph)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>555502</td>
<td>360</td>
<td>115</td>
<td>6’ 1.8 m</td>
<td>Plated Brass</td>
</tr>
<tr>
<td>555103</td>
<td>360S</td>
<td>115</td>
<td>6’ 1.8 m</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>555122</td>
<td>360K</td>
<td>115</td>
<td>6’ 1.8 m</td>
<td>Plated Brass</td>
</tr>
<tr>
<td>555507</td>
<td>370</td>
<td>115</td>
<td>6’ 1.8 m</td>
<td>Plated Brass, Fluoroelastomer (FKM) Seal</td>
</tr>
<tr>
<td>555602</td>
<td>365</td>
<td>12 VDC</td>
<td>12” leads 30.4 cm</td>
<td>Plated Brass</td>
</tr>
<tr>
<td>555203</td>
<td>365S</td>
<td>12 VDC</td>
<td>12” leads 30.4 cm</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Pony Pump® Replacement Impeller & Brush Kits

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Includes</th>
<th>Kit Used On</th>
</tr>
</thead>
<tbody>
<tr>
<td>555702</td>
<td>HRK-360S</td>
<td>(2) Each – Nitrile Impeller w/SST Insert, Nitrile Cover Gaskets</td>
<td>All Models</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(1) Each – SST Cam, SST Cam Screws, SST Volute Cover, Cam Gasket (4) Each – Volute Cover Screws</td>
<td></td>
</tr>
<tr>
<td>555706</td>
<td>IRK-360</td>
<td>(2) Each – Nitrile Impellers w/Brass Insert, Nitrile Cover Gaskets</td>
<td>555502, 555122, 555602</td>
</tr>
<tr>
<td>555713</td>
<td>IRK-360S</td>
<td>(2) Each – Nitrile Impellers w/SST Insert, Nitrile Cover Gaskets</td>
<td>555103, 555203, 555503</td>
</tr>
<tr>
<td>555714</td>
<td>ISRK-360S</td>
<td>(2) Each – Nitrile Impellers w/SST Insert, Nitrile Cover Gaskets (1) Each – Slinger/Fluoroelastomer (FKM) U-Cup Seal/Felt Washer/Retainer Ring</td>
<td>All Models</td>
</tr>
<tr>
<td>555705</td>
<td>WB-360</td>
<td>Brush Kit; (2) Each – White Caps/Brushes/Covers/Springs</td>
<td>All Models</td>
</tr>
</tbody>
</table>
Utility Pumps

B-1000 SERIES
1/2 HP Submersible Use

Applications
- Commercial, industrial, and home uses where liquid must be transferred

Features
- 1/10 hp oil-filled motor with overload protection
- Designed for continuous duty operation
- Epoxy coated, die-cast zinc body, impeller, housing, and filter
- 440 stainless steel motor shaft
- Double lip Neoprene shaft seal
- Ball thrust bearing

Series Specifications
Capacity: 1200 gph @ 1’ (4500 lph @ 0.3m)
Shut Off: 26’ (8 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 3/4” GHT (19 mm)
Intake: Screened

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
</tr>
</thead>
<tbody>
<tr>
<td>556501</td>
<td>B-1000</td>
<td>115</td>
<td>6’</td>
</tr>
</tbody>
</table>

BPLA SERIES
Submersible or In-line Use

Applications
- Water removal from compact spaces such as boat bilges, recreational vehicles, or bait tanks

Features
- 12 VDC motor
- Submersible or in-line use
- Designed for intermittent use only
- Plastic and stainless steel construction
- Compact, light weight, operates in any position

Series Specifications
Capacity: 350 gph @ 1’ (1325 lph @ 0.3m)
Shut Off: 11’ (3.3 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 3/8” MNPT (9.5 mm)
Intake: Hooded or 1/2” MNPT (12.7 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
</tr>
</thead>
<tbody>
<tr>
<td>556001</td>
<td>BPLA</td>
<td>12 VDC</td>
<td>56’</td>
</tr>
</tbody>
</table>

Graphs showing capacity in gallons per hour vs. total head in feet and capacity in liters per hour vs. total head in meters.
Utility Pumps

5 SERIES
1/6 HP
Submersible Use

Applications
- Submersible, water transfer or recirculation, water displays, air conditioners and machine tool coolants

Features
- 1/6 hp shaded pole motor
- Garden hose adapter and removable inlet screen
- Epoxy coated cast aluminum housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Stainless steel shaft
- Lifetime oil supply

Series Specifications
Capacity: 1200 gph @ 1’ (4542 lph @ 0.3 m)
Shut Off: 26.3’ (8 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1” FNPT (25.4 mm)
Impeller: Nylon

Electrical: 115 V, 60 Hz
Operation: Manual or Automatic

Performance Curve

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Listing</th>
<th>Switch Type</th>
<th>On Level</th>
<th>Off Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>505300</td>
<td>5-ASP</td>
<td>115</td>
<td>10’</td>
<td>cCSAus</td>
<td>Piggyback Diaphragm</td>
<td>6” - 9”</td>
<td>1” - 4”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 m</td>
<td></td>
<td></td>
<td>15.2 cm - 23 cm</td>
<td>2.5 cm - 10 cm</td>
</tr>
<tr>
<td>505350</td>
<td>5-ASP-LL</td>
<td>115</td>
<td>18’</td>
<td>cCSAus</td>
<td>Piggyback Diaphragm</td>
<td>2” - 3”</td>
<td>0.5” - 1.5”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.5 m</td>
<td></td>
<td></td>
<td>5 cm - 7.6 cm</td>
<td>1.3 cm - 3.8 cm</td>
</tr>
<tr>
<td>505400</td>
<td>5-ASP-FS</td>
<td>115</td>
<td>10’</td>
<td>cCSAus</td>
<td>Integral Float Switch</td>
<td>10” - 12”</td>
<td>2” - 4”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 m</td>
<td></td>
<td></td>
<td>24.5 cm - 30.5 cm</td>
<td>5.1 cm - 10.2 cm</td>
</tr>
<tr>
<td>505486</td>
<td>5-MSPR</td>
<td>115</td>
<td>10’</td>
<td>cCSAus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5-MSP</td>
<td>115</td>
<td>10’</td>
<td>cCSAus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>505000</td>
<td>5-MSP</td>
<td>115</td>
<td>10’</td>
<td>cCSAus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>505025</td>
<td>5-MSP</td>
<td>115</td>
<td>25’</td>
<td>cCSAus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7.6 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>505176</td>
<td>5-MSP</td>
<td>115</td>
<td>18’</td>
<td>cCSAus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.5 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>505202</td>
<td>5-MSP</td>
<td>230</td>
<td>3.6 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(w/o plug)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Utility Pumps

Piggyback Diaphragm Switch

Applications
- Converts manual pumps to automatic operation

Features
- RS-5 converts any manual pump, up through 1/2 hp (115 V)
- RS-5-LL (Low Level) converts any manual pump, up through 1/3 hp (115 V)
- UL and CSA listing (115 V models only)

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Max. Amps</th>
<th>Cord</th>
<th>Mounted to 5-MSP pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>599008</td>
<td>RS-5</td>
<td>115</td>
<td>10</td>
<td>10’</td>
<td>On Level: 6’ - 9’</td>
</tr>
<tr>
<td>599009</td>
<td>RS-5</td>
<td>115</td>
<td>10</td>
<td>18’</td>
<td>Off Level: 1’ - 4’</td>
</tr>
<tr>
<td>599010</td>
<td>RS-5</td>
<td>230</td>
<td>10</td>
<td>5.5 m</td>
<td>On Level: 15.2 cm - 23 cm</td>
</tr>
<tr>
<td>599014</td>
<td>RS-5LL</td>
<td>115</td>
<td>10</td>
<td>8’</td>
<td>Off Level: 2.5 cm - 10.2 cm</td>
</tr>
<tr>
<td>599019</td>
<td>RS-5LL</td>
<td>115</td>
<td>10</td>
<td>2” - 3”</td>
<td>On Level: 2” - 3”</td>
</tr>
</tbody>
</table>

UPSP SERIES
1/2 HP
Non-Submersible, Self-Priming

Applications
- Flooded basements, watering lawns and draining water heaters

Features
- Non-submersible, in-line, portable utility transfer pump with rugged one-piece cast iron housing and integral carrying handle
- Self-priming to 15’ (4.6 m) when priming chamber is filled
- Can also be used to boost water pressure for washing vehicles, sidewalks and more
- Convenient 3/4” (19 mm) brass garden hose adapters on intake and discharge
- cCSAus listing

Series Specifications
- Capacity: 1152 gph @ 20’ (4360 lph @ 6 m)
- Shut Off: 105’ (32 m)
- Liquid Temperature: 140 °F (60 °C)
- Discharge: 3/4” FNPT (19 mm)
- Impeller: PPS

Electrical: 115 V, 60 Hz
Operation: In-line only

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Housing</th>
<th>Mechanical Shaft Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>555101</td>
<td>UPSP-5</td>
<td>115</td>
<td>10’</td>
<td>Cast Iron Volute</td>
<td>Carbon / Ceramic</td>
</tr>
</tbody>
</table>

Graphs:
- Capacity - Liters per Hour
- Capacity - Gallons per Hour
- Total Head in Feet vs. Capacity
- Total Head in Meters vs. Capacity
Applications

- Water transfer or recirculation, water displays, and machine tool coolants

Features

- 1/125 hp epoxy encapsulated motor
- Glass-filled polyester housing
- Epoxy coated cast aluminum cover
- Nylon volute
- Fluorocarbon (FKM) shaft seal
- cCSAus listed

Series Specifications

<table>
<thead>
<tr>
<th>Capacity: 170 gph @ 1’</th>
<th>643 lph @ 0.3 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut Off: 7’ (2.1 m)</td>
<td></td>
</tr>
<tr>
<td>Liquid Temperature: 120 °F (49 °C)</td>
<td></td>
</tr>
<tr>
<td>Discharge: 1/4” MNPT (6 mm)</td>
<td></td>
</tr>
<tr>
<td>Intake: 1/2” MNPT &amp; 1/4” FNPT (12.7 mm &amp; 6 mm)</td>
<td></td>
</tr>
</tbody>
</table>

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>518087</td>
<td>1-EA-42</td>
<td>115</td>
<td>10’</td>
<td>170 gph @ 1’</td>
<td>Impedance</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 m</td>
<td>643 lph @ 0.3 m</td>
<td></td>
</tr>
</tbody>
</table>

Applications

- Water transfer or recirculation, and water displays

Features

- 1/125 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Polyester housing
- Polypropylene volute
- Nitrile shaft seal
- Snap off screen covers intake
- cCSAus listed

Series Specifications

<table>
<thead>
<tr>
<th>Capacity: 170 gph @ 1’</th>
<th>643 lph @ 0.3 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut Off: 7’ (2.1 m)</td>
<td></td>
</tr>
<tr>
<td>Liquid Temperature: 120 °F (49 °C)</td>
<td></td>
</tr>
<tr>
<td>Discharge: 1/4” MNPT (6 mm)</td>
<td></td>
</tr>
<tr>
<td>Intake: Smooth sump</td>
<td></td>
</tr>
</tbody>
</table>

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>518200</td>
<td>PE-1</td>
<td>115</td>
<td>6’</td>
<td>170 gph @ 1’</td>
<td>Impedance</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>643 lph @ 0.3 m</td>
<td></td>
</tr>
</tbody>
</table>
## Applications
- Water transfer or recirculation, and water displays

## Features
- 1/40 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled polyester housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Snap off screen covers intake
- cCSAus listed

## Series Specifications

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>518400</td>
<td>PE-2H</td>
<td>115</td>
<td>6’</td>
<td>300 gph @ 1’ (1136 lph @ 0.3 m)</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

## Model Characteristics
- 1/40 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled polyester housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Snap off screen covers intake
- cCSAus listed

## PE-2 SERIES
### Epoxy Encapsulated, Direct Drive Submersible Use

### PE-2H
- Water transfer or recirculation, and water displays
- 1/40 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled polyester housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Snap off screen covers intake
- cCSAus listed

### Series Specifications
- **Capacity:** 300 gph @ 1’ (1136 lph @ 0.3 m)
- **Shut Off:** 12.2’ (3.7 m)
- **Liquid Temperature:** 120 °F (49 °C)
- **Discharge:** 1/4” MNPT (6 mm)
- **Intake:** Hooded
- **Impeller:** Nylon

### Model Characteristics
- 1/40 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled polyester housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Snap off screen covers intake
- cCSAus listed

## PE-2.5F SERIES
### Epoxy Encapsulated, Direct Drive Submersible Use

### PE-2.5F
- Water transfer or recirculation, and water displays
- 1/28 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled polyester housing
- Polypropylene volute
- Fluoroelastomer (FKM) shaft seal
- Snap off screen covers intake
- cCSAus listed

### Series Specifications
- **Capacity:** 475 gph @ 1’ (1798 lph @ 0.3 m)
- **Shut Off:** 13.4’ (4.1 m)
- **Liquid Temperature:** 120 °F (49 °C)
- **Discharge:** 3/8” MNPT (9.5 mm)
- **Intake:** Smooth
- **Impeller:** Nylon

### Model Characteristics
- 1/28 hp epoxy encapsulated, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled polyester housing
- Polypropylene volute
- Fluoroelastomer (FKM) shaft seal
- Snap off screen covers intake
- cCSAus listed

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>518600</td>
<td>PE-2.5F</td>
<td>115</td>
<td>6’</td>
<td>475 gph @ 1’ (1798 lph @ 0.3 m)</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

## Graphs
- **Capacity - Gallons per Hour**
- **Total Head in Feet** vs **Capacity - Gallons per Hour**
- **Capacity - Liters per Hour** vs **Total Head in Meters**
Small Submersible Pumps

**P-AAA SERIES**
Oil-filled, Direct Drive Submersible Use

### Applications
- Water transfer or recirculation, and water displays

### Features
- 1/160 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible use only
- Glass-filled nylon housing, cover, and impeller
- Nitrile shaft seal
- cCSAus listed (523003 and 523086)

### Series Specifications
- **Capacity:** 120 gph @ 1' (643 lph @ 0.3 m)
- **Shut-Off:** 4.6' (1.4 m)
- **Liquid Temperature:** 120 °F (49 °C)
- **Discharge:** 1/4" MNPT (6 mm)
- **Intake:** Smooth

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-AAA</td>
<td>115</td>
<td>6'</td>
<td>1.8 m</td>
<td>Impedance</td>
</tr>
<tr>
<td>P-AAA</td>
<td>115</td>
<td>10'</td>
<td>3 m</td>
<td>Impedance</td>
</tr>
<tr>
<td>P-AAA</td>
<td>230</td>
<td>12'</td>
<td>3.6 m</td>
<td>Impedance</td>
</tr>
</tbody>
</table>

### 1-A SERIES
Oil-filled, Direct Drive Submersible Use

### Applications
- Water transfer or recirculation, and water displays

### Features
- 1/200 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible use only
- Epoxy coated cast aluminum housing and cover
- Polypropylene volute and elbow
- Nitrile shaft seal
- Polyethylene screen
- cCSAus listed

### Series Specifications
- **Capacity:** 170 gph @ 1' (643 lph @ 0.3 m)
- **Shut-Off:** 7' (2.1 m)
- **Liquid Temperature:** 120 °F (49 °C)
- **Discharge:** 1/4" MNPT (6 mm)
- **Intake:** Smooth

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-AA</td>
<td>115</td>
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<td>0.9 m</td>
<td>Impedance</td>
</tr>
<tr>
<td>1-A</td>
<td>115</td>
<td>6'</td>
<td>1.8 m</td>
<td>Impedance</td>
</tr>
</tbody>
</table>

---

**Capacity - Gallons per Hour**

**Capacity - Liters per Hour**

**Total Head in Feet**

**Total Head in Meters**
**Small Submersible Pumps**

**1-MA SERIES**

**Oil-filled, Direct Drive**

**Submersible Use**

**Applications**

- Water transfer or recirculation, and water displays

**Features**

- 1/200 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible use only
- Epoxy coated cast aluminum housing and cover
- Polypropylene volute
- Nitrile shaft seal
- Polypropylene screen
cCSAus listed

**Series Specifications**

<table>
<thead>
<tr>
<th>Capacity:</th>
<th>170 gph @ 1' (643 lph @ 0.3 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut Off:</td>
<td>7' (2.1 m)</td>
</tr>
<tr>
<td>Liquid Temperature:</td>
<td>120 °F (49 °C)</td>
</tr>
<tr>
<td>Discharge:</td>
<td>1/4&quot; MNPT (6 mm)</td>
</tr>
<tr>
<td>Intake:</td>
<td>Smooth</td>
</tr>
<tr>
<td>Impeller:</td>
<td>Polypropylene</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item #</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>521203</td>
</tr>
</tbody>
</table>

**1-42 A SERIES**

**Oil-filled, Direct Drive**

**Submersible or In-line Use**

**Applications**

- Water transfer or recirculation, and water displays

**Features**

- 1/200 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible or in-line use
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Nitrile shaft seal
cCSAus listed

**Series Specifications**

<table>
<thead>
<tr>
<th>Capacity:</th>
<th>170 gph @ 1' (643 lph @ 0.3 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut Off:</td>
<td>7' (2.1 m)</td>
</tr>
<tr>
<td>Liquid Temperature:</td>
<td>120 °F (49 °C)</td>
</tr>
<tr>
<td>Discharge:</td>
<td>1/4&quot; MNPT (6 mm)</td>
</tr>
<tr>
<td>Intake:</td>
<td>1/2&quot; MNPT &amp; 1/4&quot; FNPT (12.7 mm &amp; 6 mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item #</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>500303</td>
</tr>
<tr>
<td>500386</td>
</tr>
</tbody>
</table>
Small Submersible Pumps

1-42 SERIES
Oil-filled, Direct Drive
Submersible or In-line Use

Applications
- Water transfer or recirculation, and water displays

Features
- 1/150 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible or in-line use
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Nitrile shaft seal
- cCSAus listed

Series Specifications
Capacity: 205 gph @ 1’
776 lph @ 0.3 m
Shut Off: 7.4’ (2.2 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Intake: 1/2” MNPT & 1/4” FNPT
(12.7 mm & 6 mm)

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
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<tbody>
<tr>
<td>501203</td>
<td>1-42</td>
<td>115</td>
<td>6’</td>
<td>205 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>776 lph @ 0.3 m</td>
<td></td>
</tr>
</tbody>
</table>

Impeller: Nylon
Electrical: 115 V, 60 Hz, 1.1 A

1 SERIES
Oil-filled, Direct Drive
Submersible Use

Applications
- Water transfer or recirculation, and water displays

Features
- 1/150 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible use only
- Epoxy coated cast aluminum housing and cover
- Polypropylene volute and elbow
- Nitrile shaft seal

Series Specifications
Capacity: 205 gph @ 1’
776 lph @ 0.3 m
Shut Off: 7.4’ (2.2 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Intake: Smooth

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>501203</td>
<td>1</td>
<td>115</td>
<td>6’</td>
<td>205 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>776 lph @ 0.3 m</td>
<td></td>
</tr>
</tbody>
</table>

Impeller: Polypropylene
Electrical: 115 V, 60 Hz, 1.1 A
230 V, 50/60 Hz, 0.6/0.4 A
**Small Submersible Pumps**

## 2E-N SERIES

**Oil-filled, Direct Drive**

**Submersible Use**

### Applications
- Submersible, water transfer or recirculation, water displays and air conditioners

### Features
- 1/40 hp oil-filled motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Nitrile shaft seal
- Polypropylene screen
- cCSAus listed

### Series Specifications
- **Capacity:** 300 gph @ 1’ (1136 lph @ 0.3 m)
- **Shut Off:** 11.8’ (3.6 m)
- **Liquid Temperature:** 120 °F (49 °C)
- **Discharge:** 1/4” MNPT (6 mm)
- **Intake:** Hooded

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>502103</td>
<td>2E-N</td>
<td>115</td>
<td>6’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>502186</td>
<td>2E-NT</td>
<td>115</td>
<td>10’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>502116</td>
<td>2E-NY</td>
<td>230</td>
<td>12’</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

### Graphs
- **Capacity - Gallons per Hour**
- **Total Head in Feet**
- **Total Head in Meters**

## 2E-38N SERIES

**Oil-filled, Direct Drive**

**Submersible or In-line Use**

### Applications
- Submersed or in-line use, water transfer or recirculation, water displays and air conditioners

### Features
- 1/40 hp oil-filled motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Nitrile shaft seal
- Polypropylene screen
- cCSAus listed

### Series Specifications
- **Capacity:** 300 gph @ 1’ (1136 lph @ 0.3 m)
- **Shut Off:** 11.8’ (3.6 m)
- **Liquid Temperature:** 120 °F (49 °C)
- **Discharge:** 1/4” MNPT (6 mm)
- **Intake:** 3/8” FNPT (3.2 mm)

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>502203</td>
<td>2E-38N</td>
<td>115</td>
<td>6’</td>
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</tr>
<tr>
<td>502403</td>
<td>2E-38N</td>
<td>115</td>
<td>6’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>502216</td>
<td>2E-38NY</td>
<td>230</td>
<td>12’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>502286</td>
<td>2E-38NT</td>
<td>115</td>
<td>10’</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

### Graphs
- **Capacity - Gallons per Hour**
- **Total Head in Feet**
- **Total Head in Meters**
**Applications**
- Submersed or in-line use, water transfer or recirculation, water displays, air conditioners and machine tool coolants

**Features**
- 1/15 hp oil-filled motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Stainless steel backplate
- Fluoroelastomer (FKM) shaft seal
- Polypropylene screen
- cCSAus listed

**Series Specifications**
-**Capacity:** 670 gph @ 1’
  2536 lph @ 0.3 m
- Shut Off: 20.3’ (6.2 m)
- Liquid Temperature: 120 °F (49 °C)
- Discharge: 1/2” MNPT (12.7 mm)
- Intake: 3/4” FNPT (19 mm)

**Model Characteristics**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>503603</td>
<td>3E-34N</td>
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<td>10’</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 m</td>
<td></td>
</tr>
</tbody>
</table>

**Capacity - Liters per Hour**

**Capacity - Gallons per Hour**

**Total Head in Feet**

**Total Head in Meters**

---

**3E-12N SERIES**

**Oil-filled, Direct Drive**

**Submersible or In-line Use**

**Applications**
- Submersed or in-line use, water transfer or recirculation, water displays, air conditioners and machine tool coolants

**Features**
- 1/15 hp oil-filled motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Aluminum backplate
- Fluoroelastomer (FKM) shaft seal
- Polypropylene screen
- cCSAus listed

**Series Specifications**
-**Capacity:** 500 gph @ 1’
  1893 lph @ 0.3 m
- Shut Off: 17.3’ (5.3 m)
- Liquid Temperature: 120 °F (49 °C)
- Discharge: 1/2” MNPT (12.7 mm)
- Intake: 1/2” FNPT (19 mm)

**Model Characteristics**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>503103</td>
<td>3E-12N</td>
<td>115</td>
<td>6’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td></td>
</tr>
<tr>
<td>503403</td>
<td>3E-12N</td>
<td>115</td>
<td>6’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td></td>
</tr>
<tr>
<td>503186</td>
<td>3E-12NT</td>
<td>115</td>
<td>10’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 m</td>
<td></td>
</tr>
</tbody>
</table>

**Capacity - Liters per Hour**

**Capacity - Gallons per Hour**

**Total Head in Feet**

**Total Head in Meters**

---
3E-12NR SERIES
Oil-filled, Direct Drive
Submersible or In-line Use

Applications
• Submersed or in-line use, water transfer or recirculation, water displays, air conditioners and machine tool coolants

Features
• 1/15 hp oil-filled heavy duty motor
• Epoxy coated cast aluminum housing and cover
• Nylon volute
• Aluminum backplate
• Fluoroelastomer (FKM) shaft seal
• Polypropylene screen
• cCSAus listed

Series Specifications
Capacity: 670 gph @ 1'
2536 lph @ 0.3 m
Shut Off: 22.6' (6.8 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/2" MNPT (12.7 mm)
Intake: 1/2" FNPT (12.7 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>503203</td>
<td>3E-12NR</td>
<td>115</td>
<td>6'</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

Impeller: Nylon
Electrical: 115 V, 60 Hz, 3.2 A

3E-12NRY SERIES
Oil-filled, Direct Drive
Submersible or In-line Use

Applications
• Submersed or in-line use, water transfer or recirculation, water displays, air conditioners and machine tool coolants

Features
• 1/15 hp oil-filled heavy duty motor
• Epoxy coated cast aluminum housing and cover
• Nylon volute
• Aluminum backplate
• Fluoroelastomer (FKM) shaft seal
• Polypropylene screen
• cCSAus listed

Series Specifications
Capacity: 600 gph @ 1'
2271 lph @ 0.3 m
Shut Off: 21' (6.4 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/2" MNPT (12.7 mm)
Intake: 1/2" FNPT (12.7 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>503216</td>
<td>3E-12NRY</td>
<td>230</td>
<td>12' (3.6 m) (w/o plug)</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

Impeller: Nylon
Electrical: 230 V, 50/60 Hz, 1.7/1.4 A
### Applications

- Submersed or in-line use, water transfer or recirculation, water displays, air conditioners and machine tool coolants

### Features

- 1/15 hp oil-filled motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Aluminum backplate
- Fluoroelastomer (FKM) shaft seal
- Polypropylene screen
- cCSAus listed

### Series Specifications

**Capacity:** 525 gph @ 1’
1987 lph @ 0.3 m

**Shut Off:** 25.9’ (7.9 m)

**Liquid Temperature:** 120 °F (49 °C)

**Discharge:** 1/2” MNPT (12.7 mm)

**Intake:** 1/2” FNPT (12.7 mm)

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>503003</td>
<td>3E-12R</td>
<td>115</td>
<td>6’</td>
<td>1.8 m Thermal overload</td>
</tr>
</tbody>
</table>

### Applications

- Submersible, water transfer or recirculation, water displays, air conditioners and machine tool coolants

### Features

- 1/12 hp oil-filled motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Aluminum backplate
- Fluoroelastomer (FKM) shaft seal
- cCSAus listed

### Series Specifications

**Capacity:** 710 gph @ 1’
(2688 lph @ 0.3 m)

**Electrical:** 115 V, 60 Hz, 3.5 A

**Shut Off:** 23.1’ (7 m)

**Liquid Temperature:** 120 °F (49 °C)

**Discharge:** 1/2” MNPT (12.7 mm)

**Intake:** 3/4” FNPT (19 mm)

**Impeller:** Nylon

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>504103</td>
<td>4E-34N</td>
<td>115</td>
<td>6’</td>
<td>1.8 m Thermal overload</td>
</tr>
<tr>
<td>504186</td>
<td>4E-34NT</td>
<td>115</td>
<td>10’</td>
<td>3 m Thermal overload</td>
</tr>
</tbody>
</table>
Applications

4E-34NR SERIES
Oil-filled, Direct Drive
Submersible Use

- Submersible, water transfer or recirculation, water displays, air conditioners and machine tool coolants

Features

- 1/12 hp oil-filled heavy duty motor
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Aluminum backplate
- Fluoroelastomer (FKM) shaft seal
- cCSAus listed

Series Specifications

Capacity: 810 gph @ 1’ (3066 lph @ 0.3 m)
Shut Off: 24.5’ (7.5 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 3/4” FNPT (19 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>504203</td>
<td>4E-34NR</td>
<td>115</td>
<td>6’</td>
<td>210 gph@1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>504216</td>
<td>4E-34NRy</td>
<td>230</td>
<td>12’</td>
<td>210 gph@1’</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3.6 m (w/o plug)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Capacity - Gallons per Hour

Capacity - Liters per Hour

NK-1 SERIES
Oil-filled, Direct Drive
Submersible Use

Applications

- Submersible, water transfer or recirculation, water displays, air conditioners, machine tool coolants, and mild acids

Features

- 1/150 hp oil-filled motor
- Nylon housing, cover and volute
- Fluoroelastomer (FKM) shaft seal
- Polyethylene screen

Series Specifications

Capacity: 210 gph @ 1’ (795 lph @ 0.3 m)
Shut Off: 10.2’ (3.1 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Intake: Smooth sump

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
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<tbody>
<tr>
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<td>NK-1</td>
<td>115</td>
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<td>210 gph@1’</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
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</tr>
</tbody>
</table>

Capacity - Gallons per Hour

Capacity - Liters per Hour
Small Submersible Pumps

NK-2 SERIES
Oil-filled, Direct Drive
Submersible Use

Applications
• Submersible, water transfer or recirculation, water displays, air conditioners, machine tool coolants, and mild acids

Features
• 1/40 hp oil-filled motor
• Nylon housing, cover and volute
• Fluoroelastomer (FKM) shaft seal
• Polyethylene screen

Series Specifications
Capacity: 325 gph @ 1'
(1230 lph @ 0.3 m)

Shut Off: 12.3’ (3.7 m)

Liquid Temperature: 120 °F (49 °C)

Discharge: 1/4” MNPT (6 mm)

Intake: Smooth sump

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
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</thead>
<tbody>
<tr>
<td>527003</td>
<td>NK-2</td>
<td>115</td>
<td>6’</td>
<td>325 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>527176</td>
<td>NK-2</td>
<td>115</td>
<td>18’</td>
<td>325 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>527016</td>
<td>NK-2</td>
<td>230</td>
<td>5.5 m</td>
<td>1230 lph @ 0.3 m</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

Impeller: Nylon

Electrical: 115 V, 60 Hz, 1.7 A

continued on the next page
**Applications**
- Drill presses, tool grinders, tapping machines, cut-off saws, bench mills, lathes

**Features**
- 5-gallon (18.9 liter) polyethylene tank
- Metal chip collector basket and baffle
- 6’ (1.8 m) plastic hose, plastic flex nozzle and brass control valve, plus all adapters and fittings for use with recommended pumps (see chart below)
- Pump not included*

---

### Machine Tool Coolant Tanks

#### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>560040</td>
<td>MCT-5P</td>
</tr>
</tbody>
</table>

#### Recommended Pumps for MCT-5P (gph at 115 V, 60 Hz)

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>For MCT Unit</th>
<th>gph Water Soluble Oil</th>
<th>gph 100 SSU/Cutting Oil</th>
<th>gph 300 SSU/Cutting Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1’</td>
<td>3’</td>
<td>6’</td>
<td>12’</td>
</tr>
<tr>
<td>501020</td>
<td>1-YS</td>
<td>MCT-5P</td>
<td>72</td>
<td>60</td>
<td>36</td>
</tr>
<tr>
<td>526003</td>
<td>NK-1</td>
<td>MCT-5P</td>
<td>70</td>
<td>60</td>
<td>40</td>
</tr>
<tr>
<td>527003</td>
<td>NK-2</td>
<td>MCT-5P</td>
<td>82</td>
<td>78</td>
<td>64</td>
</tr>
<tr>
<td>503103</td>
<td>3E-12N</td>
<td>MCT-5P</td>
<td>127</td>
<td>123</td>
<td>113</td>
</tr>
<tr>
<td>504103</td>
<td>4E-34N</td>
<td>MCT-5P</td>
<td>134</td>
<td>129</td>
<td>119</td>
</tr>
<tr>
<td>505000</td>
<td>5-MSP</td>
<td>MCT-10</td>
<td>212</td>
<td>208</td>
<td>198</td>
</tr>
<tr>
<td>506271</td>
<td>6-CIM-R</td>
<td>MCT-10</td>
<td>185</td>
<td>178</td>
<td>163</td>
</tr>
</tbody>
</table>

---

*NOTE: The MCT-5P unit does not include pump. Pump must be purchased in addition to unit.*
Specialty Pumps

Applications

- Drill presses, tool grinders, tapping machines, cut-off saws, bench mills, lathes

Features

- 10-gallon (37.8 liter) metal tank with baffle
- 4’ (10.2 cm) neoprene hose with brass fittings, plastic flex nozzle and brass control valve
- Removable chip collector tray and splash deflector, plus all adapters and fittings for use with recommended pumps (see chart below)
- Pump not included*

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>For MCT Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>560300</td>
<td>MCT-10</td>
<td></td>
</tr>
</tbody>
</table>

Recommended Pumps for MCT-10 (gph at 115 V, 60 Hz)

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>For MCT Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>501020</td>
<td>1-YS</td>
<td>MCT-5P</td>
</tr>
<tr>
<td>526003</td>
<td>NK-1</td>
<td>MCT-5P</td>
</tr>
<tr>
<td>527003</td>
<td>NK-2</td>
<td>MCT-5P</td>
</tr>
<tr>
<td>503103</td>
<td>3E-12N</td>
<td>MCT-5P</td>
</tr>
<tr>
<td>504103</td>
<td>4E-34N</td>
<td>MCT-5P</td>
</tr>
<tr>
<td>505000</td>
<td>5-MSP</td>
<td>MCT-10</td>
</tr>
<tr>
<td>506271</td>
<td>6-CIM-R</td>
<td>MCT-10</td>
</tr>
</tbody>
</table>

* NOTE: The MCT-10 unit does not include pump. Pump must be purchased in addition to unit.
Specialty Pumps

Open Motor Pumps

Non-Submersible Use

Applications

• In-line use in hot drink dispenser, fountain and fresh water applications. Largely used in water displays

Features

• 1/200 hp open motor
• Nylon volute
• Fluoroelastomer (FKM) shaft seal
• Stainless steel shaft
• Aluminum mounting bracket

Series Specifications

Capacity: 110 gph @ 1'
416 lph @ 0.3 m

Shut Off: 7" (2.1 m)

Liquid Temperature: 120 °F (49 °C)

Discharge: 1/4" MNPT (6 mm)

Intake: 1/4" FNPT & 1/2" MNPT (6 mm & 12.7 mm)

Impeller: Nylon

Electrical: 115 V, 60 Hz, 0.46 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Lead Wires</th>
</tr>
</thead>
<tbody>
<tr>
<td>531001</td>
<td>1-AA-OM</td>
<td>115</td>
<td>12&quot; 30.5 cm</td>
</tr>
</tbody>
</table>

High Pressure Pumps

Non-Submersible Use

Applications

• Non-submersible, high pressure, carpet cleaning, dispenser displays, and pressure washers

Features

• 1/11 hp fan-cooled motor
• Thermoplastic housing
• Nylon volute
• Carbon/ceramic shaft seal
• Double-insulated motor (non-replaceable brushes last 500-1000 hours)

Includes bypass adapter

Series Specifications

Capacity: 170 gph @ 1'
643 lph @ 0.3 m

Shut Off: 81" (24.7 m)

Liquid Temperature: 120 °F (49 °C)

Discharge: 3/8" barbed OD (9.5 mm)

Intake: 3/8" barbed OD (9.5 mm)

Impeller: PPS impeller

Electrical: 115 V, 60 Hz, 1.25 A

230 V, 50/60 Hz, 0.6 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Lead Wires</th>
</tr>
</thead>
<tbody>
<tr>
<td>532002</td>
<td>35-OM</td>
<td>115</td>
<td>24&quot; 61 cm</td>
</tr>
<tr>
<td>532012</td>
<td>35-OM</td>
<td>230</td>
<td>24&quot; 61 cm</td>
</tr>
</tbody>
</table>

Replacement Seal Kit

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>599106</td>
<td>35-OM-SK</td>
</tr>
</tbody>
</table>

Housing, carbon seal, impeller with ceramic seal and O-ring
Specialty Pumps

Parts Washer Pumps

Submersible Use

Applications
- Submersible for pumping unheated metal parts cleaning solvent which is UL classified as PJQU

Features
- 1/125 hp epoxy encapsulated motor
- Cast aluminum/polyester housing
- Nylon volute and screen
- Fluoroelastomer (FKM) shaft seal
- 3/8” (9.5 mm) conduit fitting
- cCSAus listed

Series Specifications
Capacity: 170 gph @ 1’
643 lph @ 0.3 m
Shut Off: 7’ (2.1 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Impeller: Nylon
Electrical: 115 V, 60 Hz, 0.6 A

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>518020</td>
<td>1-EAYS</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>170 gph @ 1’</td>
<td>Impedance</td>
</tr>
</tbody>
</table>

CAUTION: The low flash point of these combustible liquids does present a moderate fire hazard. Operating the pump fully submerged offers added protection from fire risk. For other solvent handling precautions, consult the material safety data sheet (OSHA-20 form, or equivalent), for the solvent use. Use only UL approved Metal Parts Cleaning Solvents. The use of fluids such as gasoline, and lower flash point solvents is dangerous and may cause explosions or fire. Solvents other than UL approved metal parts cleaning solvents will void the warranty of this product.

Applications
- Submersible for pumping unheated metal parts cleaning solvent which is UL classified as PJQU

Features
- 1/150 hp oil-filled motor
- Cast aluminum housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Polyethylene screen
- 1/2” (12.7 mm) conduit fitting
- cCSAus listed (501020 and 501025)

Series Specifications
Capacity: 205 gph @ 1’
776 lph @ 0.3 m
Shut Off: 7.4’ (2.3 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Impeller: Nylon
Electrical: 115 V, 60 Hz, 1.1 A, 230 V, 50/60 Hz, 0.6 A

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>501020</td>
<td>1-YS</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>205 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>501025</td>
<td>1-Y</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>205 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>501036</td>
<td>1-YS</td>
<td>230</td>
<td>6’ (1.8 m)</td>
<td>205 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

Capacity - Gallons per Hour

Capacity - Liters per Hour

Total Head in Feet

Total Head in Meters

Capacity - Gallons per Hour

Capacity - Liters per Hour

Total Head in Feet

Total Head in Meters
Specialty Pumps

Parts Washer Pumps

Submersible Use

Applications

- Submersible for pumping unheated metal parts cleaning solvent which is UL classified as PJQU

Features

- 1/40 hp oil-filled motor
- Cast aluminum housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Nylon screen
- 1/2” (12.7 mm) conduit fitting
- cCSAus listed

Series Specifications

Capacity: 300 gph @ 1’
1136 lph @ 0.3 m
Shut Off: 11.8’ (3.6 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Intake: Hooded

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>502020</td>
<td>2E-NYS</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>300 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>

Acid Pumps

Submersible or In-line Use

Applications

- Submersible for pumping water or machine oils. In-line when pumping weak acids and chemicals, fruit juices, cleaning solvent, anti-freeze and fluids with a pH factor of 6 to 7

Features

- 1/40 hp oil-filled motor
- Epoxy coated cast aluminum housing
- Nylon volute
- Inner and outer Fluoroelastomer (FKM) shaft seals
- Adapter included for 1/2” (12.7 mm) barbed intake

Series Specifications

Capacity: 300 gph @ 1’
1136 lph @ 0.3 m
Shut Off: 11.8’ (3.6 m)
Liquid Temperature: 120 °F (49 °C)
Discharge: 1/4” MNPT (6 mm)
Intake: 3/8” FNPT (9.5 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>502303</td>
<td>2E-NDVR</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>300 gph @ 1’</td>
<td>Thermal overload</td>
</tr>
</tbody>
</table>
Circulator Pumps
Non-Submersible

Applications
- Solar heating, heat exchange units, and open or closed commercial and domestic hot water recirculating systems

Features
- 1/125 hp motor (dual fan-cooled, 1550 RPM)
- Bronze pump head
- Oversize sleeve bearings
- Stainless steel shaft and magnet separator
- Silicon O-ring
- Maximum system pressure designed for 150 PSIG in closed loop system
- Indoor use only
- cCSAus listed

Series Specifications
Capacity: 180 gph @ 1'
681 lph @ 0.3 m
Shut Off: 4' (1.2 m)
Liquid Temperature: 212 °F (100 °C)
Discharge: 1/2" MNPT (12.7 mm)
Intake: 1/2" MNPT (9.5 mm)
Impeller: PPS
Electrical: 115 V, 60 Hz, 0.43 A

Model Characteristics
Item # | Model   | Volts | Lead Wires | Capacity | Protection
--- | -------- | ----- | ---------- | -------- | ----------
579000 | CMD-100-3B | 115   | 15" (38.1 cm) | 180 gph @ 1' | 681 lph @ 0.3 m | Impedance

Applications
- Solar heating, heat exchange units, and open or closed commercial and domestic hot water recirculating systems

Features
- 1/25 hp motor (dual fan-cooled, 3000 RPM)
- Bronze pump head
- Oversize sleeve bearings
- Stainless steel shaft and magnet separator
- Silicon O-ring
- Maximum system pressure designed for 150 PSIG in closed loop system
- Indoor use only
- cCSAus listed

Series Specifications
Capacity: 372 gph @ 1'
1408 lph @ 0.3 m
Shut Off: 12' (3.6 m)
Liquid Temperature: 212 °F (100 °C)
Discharge: 1/2" MNPT (12.7 mm)
Intake: 1/2" MNPT (9.5 mm)
Impeller: PPS
Electrical: 115 V, 60 Hz, 1.2 A

Model Characteristics
Item # | Model   | Volts | Lead Wires | Capacity | Protection
--- | -------- | ----- | ---------- | -------- | ----------
579200 | CMD-100-5B | 115   | 6' (1.8 m) | 372 gph @ 1' | 1408 lph @ 0.3 m | Thermal overload
Magnetic Drive Pumps

MD SERIES
1/200 HP
Non-Submersible, In-line Use

Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/200 hp open motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- PTFE thrust washers
- Stainless steel shaft
- cCSAus listed (588001 and 588002)

Series Specifications
- RPM: 3250 (588001), 2900/3000 (588002)
- Capacity: 2.67 gpm (10.1 lpm)
- Shut Off: 5.4’ (1.6 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/2” OD (12.7 mm)
- Intake: 1/2” OD (12.7 mm)

Impeller: Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)

Electrical: 115 V, 60 Hz, 0.4 A
230 V, 50/60 Hz, 0.2 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Lead Wires</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>588001</td>
<td>1-AA-MD</td>
<td>115</td>
<td>3’ 0.9 m</td>
<td>2.67 gpm 10.1 lpm</td>
</tr>
<tr>
<td>588002</td>
<td>1-AA-MD</td>
<td>230</td>
<td>3’ 0.9 m</td>
<td>2.67 gpm 10.1 lpm</td>
</tr>
<tr>
<td>588122</td>
<td>1-AA-MD</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Pump head less motor

Performance Curve

- 115 or 230 volt, 60Hz

- Capacity - Gallons per Minute
- Capacity - Liters per Minute
- Total Head in Feet
- Total Head in Meters
### Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

### Features
- 1/200 hp encapsulated motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- PTFE thrust washers
- Ceramic shaft
- cCSAus listed for fresh and salt water

### Series Specifications
- **Capacity:** 2.5 gpm (9.5 lpm)
- **Shut Off:** 5’ (1.5 m)
- **Liquid Temperature:** 150 °F (66 °C)
- **Discharge:** 1/2” OD (12.7 mm)
- **Intake:** 1/2” OD (12.7 mm)

**Impeller:** Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)

**Electrical:** 115 V, 60 Hz, 0.3 A

- 1/200 hp encapsulated motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- PTFE thrust washers
- Ceramic shaft
- cCSAus listed for fresh and salt water

### Performance Curve

**Capacity - Gallons per Minute**

**Capacity - Liters per Minute**

**Total Head in Feet**

**Total Head in Meters**

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>588205</td>
<td>1-EUAA-MD</td>
<td>115</td>
<td>6’</td>
<td>2.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>9.5 lpm</td>
</tr>
</tbody>
</table>

- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction.
Magnetic Drive Pumps

MD SERIES
1/70 HP
Non-Submersible, In-line Use

Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction.

Features
- 1/70 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed (589002)

Series Specifications
- RPM: 2450 (589002), 2700/3000 (589012)
- Capacity: 3.0 gpm (11.4 lpm)
- Shut Off: 10.6' (3.2 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/2" OD (12.7 mm)
- Intake: 1/2" OD (12.7 mm)

Impeller: Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)

Electrical: 115 V, 60 Hz, 0.8 A
230 V, 50/60 Hz, 0.7/0.6 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>589002</td>
<td>1-MD</td>
<td>115</td>
<td>6’</td>
<td>3.0 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>11.4 lpm</td>
</tr>
<tr>
<td>589012</td>
<td>1-MD</td>
<td>230</td>
<td>6’</td>
<td>3.0 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>11.4 lpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(w/o plug)</td>
<td></td>
</tr>
<tr>
<td>589098</td>
<td>1-MD</td>
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<td></td>
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<tr>
<td></td>
<td>Pump head less motor</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Performance Curve

- Capacity - Gallons per Minute
- Capacity - Liters per Minute
- Total Head in Feet
- Total Head in Meters
- 115 or 230 volt, 60Hz
Magnetic Drive Pumps

**MD SERIES**

1/30 HP

Non-Submersible, In-line Use

### Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump's material of construction

### Features
- 1/30 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed (580002 and 580012)

### Series Specifications
- **RPM:** 3100 (580002), 2700/3000 (580012)
- **Capacity:** 8.5 gpm (32 lpm)
- **Shut Off:** 14.6' (4.5 m)
- **Liquid Temperature:** 150 °F (66 °C)
- **Discharge:** 1/2" MNPT (12.7 mm)
- **Intake:** 1/2" FNPT (12.7 mm)
- **Impeller:** Glass-filled polypropylene & Ceramagnet "A" (Barium Ferrite)
- **Electrical:** 115 V, 60 Hz, 1.5 A
  - 230 V, 50/60 Hz, 0.65/0.64 A
- **Item # Model Volts Cord Capacity**
  - 580002 2-MD 115 6' 8.5 gpm
  - 580012 2-MD 230 6' 8.5 gpm
  - 580098 2-MD Pump head less motor – – –

### Model Characteristics

#### Performance Curve

- Capacity - Gallons per Minute
- Capacity - Liters per Minute
- Total Head in Feet
- Total Head in Meters

- 115 or 230 volt, 60Hz
Applications

- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features

- 1/20 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed (581002)

Series Specifications

- RPM: 3300
- Capacity: 9.1 gpm (34.4 lpm)
- Shut Off: 16.1’ (4.9 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/2” MNPT (12.7 mm)

- Intake: 1/2” FNPT (12.7 mm)
- Impeller: Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)
- Electrical: 115 V, 60 Hz, 1.4 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581002</td>
<td>3-MD</td>
<td>115</td>
<td>6’ 1.8 m</td>
<td>9.1 gpm 34.4 lpm</td>
</tr>
<tr>
<td>581098</td>
<td>3-MD Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Performance Curve

\[ \text{Capacity - Gallons per Minute} \]

\[ \text{Capacity - Liters per Minute} \]
Magnetic Drive Pumps

MD SERIES
1/25 HP
Non-Submersible, In-line Use

Applications

- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features

- 1/25 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 5/8" OD (15.9 mm) discharge
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed

Series Specifications

RPM: 3000
Capacity: 7.6 gpm (28.8 lpm)
Shut Off: 19' (5.8 m)
Liquid Temperature: 150 °F (66 °C)
Discharge: 5/8" OD (15.9 mm)

Intake: 5/8" OD (15.9 mm)
Impeller: Glass-filled polypropylene & Ceramagnet "A" (Barium Ferrite)
Electrical: 115 V, 60 Hz, 1.65 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581031</td>
<td>3-MDX</td>
<td>115</td>
<td>6'</td>
<td>7.6 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>28.8 lpm</td>
</tr>
</tbody>
</table>

Performance Curve
Magnetic Drive Pumps

MD SERIES
1/50 HP
Non-Submersible, In-line Use

Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/50 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed

Series Specifications
- RPM: 1550
- Capacity: 5.75 gpm (21.8 lpm)
- Shut Off: 7’ (2.1 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 5/8” OD (15.9 mm)
- Intake: 5/8” OD (15.9 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581030</td>
<td>3X-MDX</td>
<td>115</td>
<td>6’</td>
<td>5.75 gpm</td>
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<table>
<thead>
<tr>
<th>Capacity - Gallons per Minute</th>
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<table>
<thead>
<tr>
<th>Total Head in Feet</th>
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</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Total Head in Meters</th>
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<tbody>
<tr>
<td>0.0</td>
</tr>
</tbody>
</table>

Performance Curve

Capacity - Liters per Minute

Capacity - Gallons per Minute

Impeller: Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)

Electrical: 115 V, 60 Hz, 0.94 A
Magnetic Drive Pumps

MD SERIES
1/20 HP
Non-Submersible, In-line Use

Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/20 hp TEFC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed

Series Specifications
RPM: 2750/3200
Capacity: 9.8 gpm (37.1 lpm)
Shut Off: 16.3' (4.9 m)
Liquid Temperature: 150 °F (66 °C)
Discharge: 1/2" MNPT (12.7 mm)
Intake: 1/2" FNPT (12.7 mm)

Impeller: Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)

Electrical: 230 V, 50/60 Hz, 1.1/0.8 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581012</td>
<td>TE-3-MD</td>
<td>230</td>
<td>6'</td>
<td>9.8 gpm 37.1 lpm</td>
</tr>
</tbody>
</table>

Performance Curve

- 230 volt, 60Hz
# Magnetic Drive Pumps

## MD SERIES
### 1/12 HP
#### Non-Submersible, In-line Use

### Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction.

### Features
- 1/12 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed (582002 and 582012)

### Series Specifications
- **RPM:** 3250 (582002)  
  2500 (582012)
- **Capacity:** 11.5 gpm (43.5 lpm)
- **Shut Off:** 23.7' (7.2 m)
- **Liquid Temperature:** 150 °F (66 °C)
- **Discharge:** 1/2" MNPT (12.7 mm)
- **Intake:** 1/2" FNPT (12.7 mm)
- **Impeller:** Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)
- **Electrical:** 115 V, 60 Hz, 2.4 A  
  230 V, 60 Hz, 1.4 A

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582002</td>
<td>4-MD</td>
<td>115</td>
<td>6' 1.8 m</td>
<td>11.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>43.5 lpm</td>
</tr>
<tr>
<td>582012</td>
<td>4-MD</td>
<td>230</td>
<td>6' 1.8 m</td>
<td>11.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(w/o plug)</td>
<td>43.5 lpm</td>
</tr>
<tr>
<td>582098</td>
<td>4-MD</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pump head less motor</td>
</tr>
</tbody>
</table>

### Performance Curve
- **Capacity - Liters per Minute**
- **Capacity - Gallons per Minute**
- **Total Head in Feet**
- **Total Head in Meters**

- 115 or 230 volt, 60Hz
Magnetic Drive Pumps

MD SERIES
1/8 HP
Non-Submersible, In-line Use

Applications
- Circulation of mildly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other mildly corrosive chemicals and solutions that are compatible with the pump’s material of construction.

Features
- 1/8 hp PSC open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cCSAus listed (583002 and 583012)

Series Specifications
RPM: 3250 (583002) 2400/2500 (583012)
Capacity: 15.1 gpm (57.1 lpm)
Shut Off: 34.6’ (10.5 m)
Liquid Temperature: 150 °F (66 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 1/2” FNPT (12.7 mm)
Impeller: Glass-filled polypropylene & Ceramagnet “A” (Barium Ferrite)
Electrical: 115 V, 60 Hz, 2.1 A
230 V, 50/60 Hz, 1.0/1.1 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>583002</td>
<td>5-MD</td>
<td>115</td>
<td>6’</td>
<td>15.1 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>57.1 lpm</td>
</tr>
<tr>
<td>583012</td>
<td>5-MD</td>
<td>230</td>
<td>6’</td>
<td>15.1 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>57.1 lpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(w/o plug)</td>
<td></td>
</tr>
<tr>
<td>583098</td>
<td>Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>
Magnetic Drive Pumps

SC SERIES
1/35 HP
Non-Submersible, In-line Use

1.5-MDI-SC

Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/35 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

Series Specifications
- RPM: 3100
- Capacity: 5.5 gpm (20.8 lpm)
- Shut Off: 12.5’ (3.8 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/4” MNPT (6 mm)
- Intake: 3/4” MNPT (19 mm) & 3/8” FNPT (9.5 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>589201</td>
<td>1.5-MDI-SC</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>5.5 gpm (20.8 lpm)</td>
</tr>
<tr>
<td>589211</td>
<td>1.5-MDI-SC</td>
<td>230</td>
<td>6’ (1.8 m)</td>
<td>5.5 gpm (20.8 lpm)</td>
</tr>
</tbody>
</table>

Electrical:
- 115 V, 60 Hz, 1.1 A
- 230 V, 50/60 Hz, 0.7/0.6 A

Impeller: Glass-filled polypropylene

Performance Curve
- Capacity - Gallons per Minute
- Capacity - Liters per Minute
- Total Head in Feet
- Total Head in Meters

- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction.
Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/35 hp encapsulated motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- Polyester motor case
- Stainless steel screws
- Polyethylene intake screen
- C-cCSAus listed

Series Specifications
- RPM: 3000
- Capacity: 5.5 gpm (20.8 lpm)
- Shut Off: 12.8’ (3.9 m)
- Liquid Temperature: 77 °F (25 °C)
- Discharge: 1/4” MNPT (6 mm)
- Intake: 1/2” MNPT (12.7 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>589204</td>
<td>PE-1.5-MDI-SC</td>
<td>115</td>
<td>6’</td>
<td>5.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>20.8 lpm</td>
</tr>
</tbody>
</table>
Magnetic Drive Pumps

SC SERIES

1/25 HP or 1/30 HP
Non-Submersible, In-line Use

2-MD-SC

Applications

- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features

- 1/25 hp open FC motor (580503)
- 1/30 hp open FC motor (580513)
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (580503 and 580513)
- 1/25 hp open FC motor (580503)
- 1/30 hp open FC motor (580513)
- Glass-filled polypropylene
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (580503 and 580513)

Series Specifications

RPM: 2900 (580503)
2700/3000 (580513)
Capacity: 8.5 gpm (32.2 lpm)
Shut Off: 14.6’ (4.5 m)
Liquid Temperature: 150 °F (66 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 1/2” FNPT (12.7 mm)
Impeller: Glass-filled polypropylene
Electrical: 115 V, 60 Hz, 1.43 A
230 V, 50/60 Hz, 0.65/0.64 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>580503</td>
<td>2-MD-SC</td>
<td>115</td>
<td>6’ (1.8 m)</td>
<td>8.5 gpm</td>
</tr>
<tr>
<td>580513</td>
<td>2-MD-SC</td>
<td>230</td>
<td>6’ (1.8 m)</td>
<td>8.5 gpm</td>
</tr>
<tr>
<td>580598</td>
<td>2-MD-SC</td>
<td>–</td>
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</tr>
</tbody>
</table>

Pump head less motor

Performance Curve
Magnetic Drive Pumps

**SC SERIES**

**1/30 HP**

Non-Submersible, In-line Use

**2-MDIX-SC**

### Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

### Features
- 1/30 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

### Series Specifications
- **RPM:** 3000
- **Capacity:** 12.8 gpm (48.5 lpm)
- **Shut Off:** 8.1' (2.5 m)
- **Liquid Temperature:** 150 °F (66 °C)
- **Discharge:** 1" MNPT (25.4 mm)
- **Intake:** 1" FNPT (25.4 mm)
- **Impeller:** Glass-filled polypropylene
- **Electrical:** 115 V, 60 Hz, 1.5 A
- **1/30 hp open FC motor**
- **Glass-filled polypropylene magnet housing**
- **Glass-filled polypropylene volute**
- **1.1 specific gravity**
- **Nitrile O-ring**
- **Ceramic thrust washers and shaft**
- **cCSAus listed**

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>580509</td>
<td>2-MDIX-SC</td>
<td>115</td>
<td>6'</td>
<td>12.8 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>48.5 lpm</td>
</tr>
</tbody>
</table>

### Performance Curve

![Performance Curve Graph](image)
Magnetic Drive Pumps

SC SERIES
1/12 HP
Non-Submersible, In-line Use

Applications
• Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump's material of construction

Features
• 1/12 hp open FC motor
• Glass-filled polypropylene magnet housing
• Glass-filled polypropylene volute
• 1.1 specific gravity
• Nitrile O-ring
• Ceramic thrust washers and shaft
• C-ccSaus listed (581503 and 581513)

Series Specifications
RPM: 3100 (581503)
3000 (581513)
Capacity: 12.5 gpm (47.3 lpm)
Shut Off: 21.9' (6.6 m)
Liquid Temperature: 150 °F (66 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 3/4” FNPT (19 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581503</td>
<td>3-MD-SC</td>
<td>115</td>
<td>6'</td>
<td>12.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>47.3 lpm</td>
</tr>
<tr>
<td>581513</td>
<td>3-MD-SC</td>
<td>230</td>
<td>6'</td>
<td>12.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m (w/o plug)</td>
<td>47.3 lpm</td>
</tr>
<tr>
<td>581597</td>
<td>3-MD-SC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pump head less motor</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Performance Curve

- Capacity - Liters per Minute
- Capacity - Gallons per Minute
- Total Head in Feet
- Total Head in Meters

115 or 230 volt, 60Hz
### Magnetic Drive Pumps

#### SC SERIES

**1/15 HP**

Non-Submersible, In-line Use

#### 3-MDIX-SC

### Applications

- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

### Features

- 1/15 hp TE PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

### Series Specifications

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581509</td>
<td>3-MDIX-SC</td>
<td>115</td>
<td>6'</td>
<td>18.3 gpm (70 lpm)</td>
</tr>
</tbody>
</table>

### Performance Curve

- **Impeller**: Glass-filled polypropylene
- **Electrical**: 115 V, 60 Hz, 0.9 A

### Model Characteristics

- RPM: 3200
- Capacity: 18.3 gpm (70 lpm)
- Shut Off: 14' (4.3 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1" MNPT (25.4 mm)
- Intake: 1" FNPT (25.4 mm)
Magnetic Drive Pumps

SC SERIES
1/10 HP
Non-Submersible, In-line Use

4-MD-SC

Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/10 hp open FC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (582503)

Series Specifications
- RPM: 3000
- Capacity: 14 gpm (53 lpm)
- Shut Off: 24' (7.3 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/2" MNPT (12.7 mm)
- Intake: 1" FNPT (25.4 mm)
- Impeller: Glass-filled polypropylene
- Electrical: 115 V, 60 Hz, 1.7 A
- 1/10 hp open FC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (582503)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582503</td>
<td>4-MD-SC</td>
<td>115</td>
<td>6'</td>
<td>14 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>53 lpm</td>
</tr>
<tr>
<td>582598</td>
<td>Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Performance Curve

- Total Head in Feet
- Capacity - Gallons per Minute
- Capacity - Liters per Minute
- Total Head in Meters
- Capacity - Gallons per Minute
Applications

- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction.

Features

- 1/10 hp open FC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

Series Specifications

- **RPM:** 3280
- **Capacity:** 22 gpm (83.3 lpm)
- **Shut Off:** 17' (5.2 m)
- **Liquid Temperature:** 150 °F (66 °C)
- **Discharge:** 1" MNPT (25.4 mm)
- **Intake:** 1" FNPT (25.4 mm)

Impeller: Glass-filled polypropylene

Electrical: 115 V, 60 Hz, 1.3 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582509</td>
<td>4-MDIX-SC</td>
<td>115</td>
<td>6'</td>
<td>22 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>83.3 lpm</td>
</tr>
</tbody>
</table>

Performance Curve
Magnetic Drive Pumps

**SC SERIES**

**1/10 HP**

Non-Submersible, In-line Use

TE-4-MD-SC

**Applications**

- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

**Features**

- 1/10 hp TEFC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

**Series Specifications**

<table>
<thead>
<tr>
<th>RPM</th>
<th>3000 (582504)</th>
<th>2750/3000 (582514)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>14 gpm (53 lpm)</td>
<td></td>
</tr>
<tr>
<td>Shutoff</td>
<td>24' (7.3 m)</td>
<td></td>
</tr>
<tr>
<td>Liquid Temp</td>
<td>150 °F (66 °C)</td>
<td></td>
</tr>
<tr>
<td>Discharge</td>
<td>1/2&quot; MNPT (12.7 mm)</td>
<td></td>
</tr>
<tr>
<td>Intake</td>
<td>1&quot; FNPT (25.4 mm)</td>
<td></td>
</tr>
</tbody>
</table>

**Impeller:** Glass-filled polypropylene

**Electrical:**

- 115 V, 60 Hz, 1.7 A
- 230 V, 50/60 Hz, 0.5/0.7 A

- 1/10 hp TEFC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

**Performance Curve**

- Capacity - Liters per Minute
- Total Head in Feet
- Total Head in Meters

**Model Characteristics**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582504</td>
<td>TE-4-MD-SC</td>
<td>115</td>
<td>6'</td>
<td>14 gpm</td>
</tr>
<tr>
<td>582514</td>
<td>TE-4-MD-SC</td>
<td>230</td>
<td>6'</td>
<td>14 gpm</td>
</tr>
</tbody>
</table>

(w/o plug)
Magnetic Drive Pumps

SC SERIES
1/10 HP
Non-Submersible, In-line Use

TE-4-MDX-SC

Applications

• Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump's material of construction

Features

• 1/10 hp TEFC PSC motor
• Glass-filled polypropylene magnet housing
• Glass-filled polypropylene volute
• 1.1 specific gravity
• Nitrile O-ring
• Ceramic thrust washers and shaft
• C-ccAsA us listed

Series Specifications

RPM: 2750/3000
Capacity: 22.8 gpm (86.3 lpm)
Shut Off: 17.3' (5.3 m)
Liquid Temperature: 150 °F (66 °C)
Discharge: 1" MNPT (25.4 mm)
Intake: 1" FNPT (25.4 mm)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582515</td>
<td>TE-4-MDX-SC</td>
<td>230</td>
<td>6'</td>
<td>22.8 gpm</td>
</tr>
</tbody>
</table>

Performance Curve

- Capacity - Liters per Minute
- Total Head in Feet
- Total Head in Meters
- Capacity - Gallons per Minute

Impeller: Glass-filled polypropylene
Electrical: 230 V, 50/60 Hz, 0.6 A

Item #  Model  Volts  Cord  Capacity
582515  TE-4-MDX-SC  230  6'  22.8 gpm
        1.8 m (w/o plug)  86.3 lpm
SC SERIES
1/8 HP
Non-Submersible, In-line Use

Magnetic Drive Pumps

Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/8 hp open FC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (583503 and 583513)

Series Specifications
- RPM: 3000 (583503) 2400/2500 (583513)
- Capacity: 17.5 gpm (66.2 lpm)
- Shut Off: 27.5' (8.4 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/2" MNPT (12.7 mm)
- Intake: 1" FNPT (25.4 mm)

Impeller: Glass-filled polypropylene
Electrical: 115 V, 50/60 Hz, 2 A 230 V, 50/60 Hz, 1/1.1 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>583503</td>
<td>5-MD-SC</td>
<td>115</td>
<td>6' (1.8 m)</td>
<td>17.5 gpm 66.2 lpm</td>
</tr>
<tr>
<td>583513</td>
<td>5-MD-SC</td>
<td>230</td>
<td>6' (1.8 m)</td>
<td>17.5 gpm 66.2 lpm</td>
</tr>
<tr>
<td>583598</td>
<td>5-MD-SC</td>
<td></td>
<td>(w/o plug)</td>
<td></td>
</tr>
</tbody>
</table>

Pump head less motor

Performance Curve

Capacity - Gallons per Minute

<table>
<thead>
<tr>
<th>Capacity - Liters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 10 20 30 40 50 60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Capacity - Meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 2 4 6 8</td>
</tr>
</tbody>
</table>

115 or 230 volt, 60Hz
Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction.

Features
- 1/8 hp TEFC PSC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (584504)

Series Specifications
- RPM: 2850/3450
- Capacity: 20 gpm (75.7 lpm)
- Shut Off: 29.3’ (9 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1/2” MNPT (12.7 mm)
- Intake: 1” FNPT (25.4 mm)
- Impeller: Glass-filled polypropylene
- Electrical: 115 V, 50/60 Hz, 2.3/3 A
  230 V, 50/60 Hz,
  1.3/1.4 A
- • 1/8 hp TEFC PSC motor
- • Glass-filled polypropylene magnet housing
- • Glass-filled polypropylene volute
- • 1.1 specific gravity
- • Nitrile O-ring
- • Ceramic thrust washers and shaft
- • C-cCSAus listed (584504)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>584504</td>
<td>TE-5-MD-SC</td>
<td>115/230</td>
<td>6’</td>
<td>20 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>75.7 lpm</td>
</tr>
<tr>
<td>584598</td>
<td>TE-5-MD-SC</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Performance Curve
- Capacity - Gallons per Minute
- Total Head in Feet
- Capacity - Liters per Minute
- Total Head in Meters
- 115 or 230 volt, 60Hz
Magnetic Drive Pumps

SC SERIES

1/3 HP
Non-Submersible, In-line Use

TE-5.5-MD-SC

Applications

• Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features

• 1/3 hp TEFC motor
• Glass-filled polypropylene volute
• Glass-filled polyphenylene sulfide backplate
• 1.1 specific gravity
• Fluorocarbon (FKM) O-ring
• Ceramic thrust washers and shaft
• C-cCSAus listed (585504)

Series Specifications

<table>
<thead>
<tr>
<th>RPM</th>
<th>Capacity</th>
<th>Shut Off</th>
<th>Liquid Temperature</th>
<th>Discharge</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>2850/3450</td>
<td>31.7 gpm (120 lpm)</td>
<td>40.5’ (12.3 m)</td>
<td>150 °F (66 °C)</td>
<td>3/4” MNPT (19 mm)</td>
<td>1” FNPT (25.4 mm)</td>
</tr>
</tbody>
</table>

Impeller: Glass-filled polypropylene w/ carbon bushing

Electrical: 115 V, 50/60 Hz, 5.4/5.0 A

230 V, 50/60 Hz, 2.8/2.5 A

Performance Curve

Capacity - Liters per Minute

Capacity - Gallons per Minute

Capacity - Meters

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>585504</td>
<td>TE-5.5-MD-SC</td>
<td>115/230</td>
<td>Not included</td>
<td>31.7 gpm (120 lpm)</td>
</tr>
<tr>
<td>585598</td>
<td>TE-5.5-MD-SC</td>
<td>–</td>
<td>Pump head less motor</td>
<td>–</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-5.5-MD-SC models have a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

SC SERIES
1/2 HP
Non-Submersible, In-line Use

Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction.

Features
- 1/2 hp TEFC motor
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Glass-filled polyphenylene sulfide backplate
- Fluorocelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (586504)

Series Specifications
- RPM: 2850/3450
- Capacity: 38 gpm (143.8 lpm)
- Shut Off: 51’ (15.5 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 3/4” MNPT (19 mm)
- Intake: 1” FNPT (25.4 mm)
- Impeller: Glass-filled polypropylene w/ carbon bushing
- Electrical: 115 V, 50/60 Hz, 11.6/9.4 A
  230 V, 50/60 Hz, 5.8/4.7 A
- 1/2 hp TEFC motor
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Glass-filled polyphenylene sulfide backplate
- Fluorocelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (586504)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>586504</td>
<td>TE-6-MD-SC</td>
<td>115/230</td>
<td>Not included</td>
<td>38 gpm (143.8 lpm)</td>
</tr>
<tr>
<td>586598</td>
<td>TE-6-MD-SC Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-6-MD-SC models have a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

SC SERIES
3/4 HP
Non-Submersible, In-line Use

Applications
- Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 3/4 hp TEFC motor
- Glass-filled polypropylene volute
- Glass-filled polyphenylene sulfide backplate
- 1.1 specific gravity
- Fluorelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

Series Specifications
- RPM: 2850/3450
- Capacity: 53 gpm (200.6 lpm)
- Shut Off: 58.5’ (17.8 m)
- Liquid Temperature: 150 °F (66 °C)
- Discharge: 1” MNPT (25.4 mm)
- Intake: 1-1/2” FNPT (38 mm)
- Impeller: Glass-filled polypropylene w/ carbon bushing
- Electrical: 115 V, 50/60 Hz, 10.4/11.8 A
- 230 V, 50/60 Hz, 5.2/5.9 A
- 3/4 hp TEFC motor
- Glass-filled polypropylene volute
- Glass-filled polyphenylene sulfide backplate
- 1.1 specific gravity
- Fluorelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

NOTE: Although no pump should be operated dry, the TE-7-MD-SC models have a run-dry capability of up to eight hours without damage.

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>587400</td>
<td>TE-7-MD-SC</td>
<td>115/230</td>
<td>Not included</td>
<td>53 gpm 200.6 lpm</td>
</tr>
</tbody>
</table>

Performance Curve

Capacity - Gallons per Minute

Capacity - Liters per Minute

Total Head in Feet

Total Head in Meters

115 or 230 volt, 60Hz
Magnetic Drive Pumps

HC SERIES
1/30 HP
Non-Submersible, In-line Use

Applications

- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features

- 1/30 hp open FC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (580603 and 580613)

Series Specifications

- RPM: 3100 (580603)
  2700/3000 (580613)
- Capacity: 8.5 gpm (32.2 lpm)
- Shut Off: 14.6’ (4.4 m)
- Liquid Temperature: 200 °F (93.3 °C)
- Discharge: 1/2” MNPT (12.7 mm)
- Intake: 1/2” FNPT (12.7 mm)
- Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
- Electrical: 115 V, 60 Hz, 1.7 A
  230 V, 50/60 Hz, 0.65/0.64 A

- 1/30 hp open FC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (580603 and 580613)

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>580603</td>
<td>2-MD-HC</td>
<td>115</td>
<td>6’</td>
<td>8.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>32.2 lpm</td>
</tr>
<tr>
<td>580613</td>
<td>2-MD-HC</td>
<td>230</td>
<td>6’</td>
<td>8.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(w/o plug)</td>
<td>32.2 lpm</td>
</tr>
<tr>
<td>580698</td>
<td>Pump head less motor</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the 2-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
**Applications**
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

**Features**
- 1/12 hp open FC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (581603 and 581613)

**Series Specifications**

<table>
<thead>
<tr>
<th>RPM</th>
<th>Intake: 3/4&quot; FNPT (19 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3100 (581603)</td>
<td>Glass-filled polyphenylene sulfide w/ carbon bushing</td>
</tr>
<tr>
<td>2700/3000 (581613)</td>
<td>115 V, 60 Hz, 2.4 A</td>
</tr>
<tr>
<td>Capacity</td>
<td>Electrical: 115 V, 60 Hz, 2.4 A</td>
</tr>
<tr>
<td>12.5 gpm (47.3 lpm)</td>
<td>230 V, 60 Hz, 1.2 A</td>
</tr>
<tr>
<td>Shut Off:</td>
<td>1.1 specific gravity</td>
</tr>
<tr>
<td>21.9' (6.7 m)</td>
<td>Fluoroelastomer (FKM) O-ring</td>
</tr>
<tr>
<td>Liquid Temperature:</td>
<td>Ceramic thrust washers and shaft</td>
</tr>
<tr>
<td>200 °F (93.3 °C)</td>
<td>C-cCSAus listed (581603 and 581613)</td>
</tr>
<tr>
<td>Discharge:</td>
<td>Total Head in Meters</td>
</tr>
<tr>
<td>1/2&quot; MNPT (12.7 mm)</td>
<td>115 or 230 volt, 60Hz</td>
</tr>
</tbody>
</table>

**Model Characteristics**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581603</td>
<td>3-MD-HC</td>
<td>115</td>
<td>6' 1.8 m</td>
<td>12.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>47.3 lpm</td>
</tr>
<tr>
<td>581613</td>
<td>3-MD-HC</td>
<td>230</td>
<td>6' (w/o plug)</td>
<td>12.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>47.3 lpm</td>
</tr>
<tr>
<td>581697</td>
<td>3-MD-HC</td>
<td></td>
<td></td>
<td>Pump head less motor</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the 3-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
HC SERIES
1/25 HP
Non-Submersible, In-line Use

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/25 hp open FC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- CcCSAus listed (578603)

Series Specifications
<table>
<thead>
<tr>
<th>RPM</th>
<th>Capacity</th>
<th>Shut Off</th>
<th>Liquid Temperature</th>
<th>Discharge</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>3100</td>
<td>8.5 gpm</td>
<td>16.2 ft</td>
<td>200 °F (93.3 °C)</td>
<td>1/2&quot; MNPT</td>
<td>1/2&quot; MNPT</td>
</tr>
</tbody>
</table>

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing

Electrical: 115 V, 50/60 Hz, 1.3 A

- 1/25 hp open FC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- CcCSAus listed (578603)

Performance Curve

<table>
<thead>
<tr>
<th>Capacity - Liters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Head in Feet</td>
</tr>
<tr>
<td>Total Head in Meters</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Capacity - Gallons per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>10</td>
</tr>
</tbody>
</table>

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>578603</td>
<td>3-MD-MT-HC</td>
<td>115</td>
<td>6’</td>
<td>8.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32.2 lpm</td>
</tr>
<tr>
<td>578697</td>
<td>3-MD-MT-HC Pump head less motor (w/o base)</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>578698</td>
<td>3-MD-MT-HC Pump head less motor (w/ base)</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the 3-MD-MT-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
HC SERIES
1/25 HP
Non-Submersible, In-line Use

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/25 hp TEFC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (581604, 581605 and 581614)

Series Specifications
RPM: 3100 (581604)
2750/3200 (581614)
Capacity: 9.75 gpm (36.9 lpm)
Shut Off: 16.3’ (4.9 m)
Liquid Temperature: 200 °F (93.3 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 1/2” FNPT (12.7 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Electrical: 115 V, 60 Hz, 1.3 A
230 V, 50/60 Hz, 1.1/0.8 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>581604</td>
<td>TE-3-MD-HC</td>
<td>115</td>
<td>6’</td>
<td>9.75 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>36.9 lpm</td>
</tr>
<tr>
<td>581605</td>
<td>TE-3-MD-HC</td>
<td>115</td>
<td>6’</td>
<td>9.75 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>36.9 lpm</td>
</tr>
<tr>
<td>581614</td>
<td>TE-3-MD-HC</td>
<td>230</td>
<td>6’</td>
<td>9.75 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>36.9 lpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(w/o plug)</td>
<td></td>
</tr>
<tr>
<td>581698</td>
<td>TE-3-MD-HC</td>
<td></td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-3-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
HC SERIES
1/10 HP
Non-Submersible, In-line Use

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/10 hp open FC PSC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- 1” FNPT (25.4 mm) intake
- C-cCSAus listed (582603)

Series Specifications
RPM: 3000
Capacity: 14 gpm (53 lpm)
Shut Off: 24.3’ (7.4 m)
Liquid Temperature: 200 °F (93.3 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 1” FNPT (25.4 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Electrical: 115 V, 50/60 Hz, 1.7 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582603</td>
<td>4-MD-HC</td>
<td>115</td>
<td>6’</td>
<td>14 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>53 lpm</td>
</tr>
<tr>
<td>582698</td>
<td>4-MD-HC</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the 4-MD-HC model with carbon bushing and ceramic shaft has a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

HC SERIES
1/10 HP
Non-Submersible, In-line Use

TE-4-MD-HC

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/10 hp open TEFC PSC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

Series Specifications
RPM: 3000 (582604) 2750/3000 (582614)
Capacity: 14 gpm (53 lpm)
Shut Off: 24.3’ (7.4 m)
Liquid Temperature: 200 °F (93.3 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 1” FNPT (25.4 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Electrical: 115 V, 60 Hz, 1.7 A
230 V, 50/60 Hz, 0.5/0.7 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>582604</td>
<td>TE-4-MD-HC</td>
<td>115</td>
<td>6’</td>
<td>14 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>53 lpm</td>
</tr>
<tr>
<td>582614</td>
<td>TE-4-MD-HC</td>
<td>230</td>
<td>6’</td>
<td>14 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>53 lpm</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-4-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

HC SERIES
1/8 HP
Non-Submersible, In-line Use

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/8 hp open FC PSC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (583603 and 583613)

Series Specifications
RPM: 3000 (583603)
2500/3000 (583613)
Capacity: 17.5 gpm (66.2 lpm)
Shut Off: 27.5’ (8.4 m)
Liquid Temperature: 200 °F (93.3 °C)
Discharge: 1/2” MNPT (12.7 mm)
Intake: 1” FNPT (25.4 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Electrical: 115 V, 50/60 Hz, 2 A
230 V, 50/60 Hz, 0.9 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>583603</td>
<td>5-MD-HC</td>
<td>115</td>
<td>6’</td>
<td>17.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>66.2 lpm</td>
</tr>
<tr>
<td>583613</td>
<td>5-MD-HC</td>
<td>230</td>
<td>6’</td>
<td>17.5 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m</td>
<td>66.2 lpm</td>
</tr>
<tr>
<td></td>
<td>(w/o plug)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>583698</td>
<td>Pump head less motor</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the 5-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
**HC SERIES**

**1/8 HP**

Non-Submersible, In-line Use

**TE-5-MD-HC**

### Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction.

### Features
- 1/8 hp TEFC PSC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (584604)

### Series Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>584604</td>
<td>TE-5-MD-HC</td>
<td>115/230</td>
<td>6'</td>
<td>20 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.8 m, Cord not installed</td>
<td>75.7 lpm</td>
</tr>
<tr>
<td>584698</td>
<td>TE-5-MD-HC</td>
<td></td>
<td></td>
<td>Pump head less motor</td>
</tr>
</tbody>
</table>

**NOTE:** Although no pump should be operated dry, the TE-5-MD-HC model with carbon bushing and ceramic shaft has a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

HC SERIES
1/3 HP
Non-Submersible, In-line Use

TE-5.5-MD-HC

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/3 hp TEFC motor
- Glass-filled polyphenylene sulfide volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

Series Specifications
RPM: 2850/3450
Capacity: 32 gpm (121.1 lpm)
Shut Off: 40.5’ (12.3 m)
Liquid Temperature: 180 °F (82.2 °C)
Discharge: 3/4” MNPT (19 mm)
Intake: 1” FNPT (25.4 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Electrical: 115 V, 50/60 Hz, 5.6/5 A
230 V, 50/60 Hz, 2.8/2.5 A

- 1/3 hp TEFC motor
- Glass-filled polyphenylene sulfide volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>585604</td>
<td>TE-5.5-MD-HC</td>
<td>115/230</td>
<td>Not included</td>
<td>32 gpm 121.1 lpm</td>
</tr>
<tr>
<td>585698</td>
<td>TE-5.5-MD-HC Pump head less motor</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-5.5-MD-HC model with carbon bushing and ceramic shaft has a run-dry capability of up to eight hours without damage.
HC SERIES
1/2 HP
Non-Submersible, In-line Use

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 1/2 hp TEFC split phase motor
- Glass-filled polyphenylene sulfide volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

Series Specifications
RPM: 2850/3450
Capacity: 38 gpm (143.8 lpm)
Shut Off: 51' (15.5 m)
Liquid Temperature: 180 °F (82.2 °C)
Discharge: 3/4” MNPT (19 mm)
Intake: 1” FNPT (25.4 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Electrical: 115 V, 50/60 Hz,
11.6/9.4 A
230 V, 50/60 Hz,
5.8/4.7 A

Model Characteristics
<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>586604</td>
<td>TE-6-MD-HC</td>
<td>115/230</td>
<td>Not included</td>
<td>38 gpm (143.8 lpm)</td>
</tr>
<tr>
<td>586698</td>
<td>TE-6-MD-HC</td>
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<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-6-MD-HC model with carbon bushing and ceramic shaft has a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

HC SERIES
3/4 HP
Non-Submersible, In-line Use

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features
- 3/4 hp TEFC PSC motor
- Glass-filled polyphenylene sulfide volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed (587010 and 587040)

Series Specifications
- RPM: 2850/3450
- Capacity: 53 gpm (200.6 lpm)
- Shut Off: 58.9’ (17.9 m)
- Liquid Temperature: 200 °F (93.3 °C)
- Discharge: 1” MNPT (25.4 mm)
- Intake: 1-1/2” FNPT (38 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing

Electrical:
- 115 V, 50/60 Hz, 10.4/11.8 A
- 230 V, 50/60 Hz, 5.2/5.9 A
- 3 Phase: 230 V, 50/60 Hz, 2.4/2.9 A
- 460 V, 50/60 Hz, 1.2/1.5 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>587010</td>
<td>TE-7-MD-HC</td>
<td>115/230</td>
<td>Not included</td>
<td>53 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>200.6 lpm</td>
</tr>
<tr>
<td>587040</td>
<td>TE-7-MD-HC</td>
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<td>Not included</td>
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<td>200.6 lpm</td>
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<tr>
<td>587103</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>motor</td>
</tr>
</tbody>
</table>

NOTE: Although no pump should be operated dry, the TE-7-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.
Magnetic Drive Pumps

CK SERIES
1/3 HP
Non-Submersible, In-line Use

Applications

• Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

Features

• 1/3 hp TEFC split phase motor
• Carbon-filled PVDF volute and backplate
• 1.1 specific gravity
• Fluororelastomer (FKM) O-ring
• Ceramic thrust washers and shaft
• cCSAus listed

Series Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>RPM</td>
<td>2850/3450</td>
</tr>
<tr>
<td>Capacity (gpm)</td>
<td>32</td>
</tr>
<tr>
<td>Capacity (lpm)</td>
<td>121.1</td>
</tr>
<tr>
<td>Shut Off (ft)</td>
<td>40.5</td>
</tr>
<tr>
<td>Liquid Temperature (°F)</td>
<td>200</td>
</tr>
<tr>
<td>Discharge (in)</td>
<td>3/4” MNPT</td>
</tr>
<tr>
<td>Intake (in)</td>
<td>1” FNPT</td>
</tr>
</tbody>
</table>

Impeller: Carbon-filled PVDF with mica-filled PTFE bushing*

Electrical:

- 115 V, 50/60 Hz, 5.6/5.0 A
- 230 V, 50/60 Hz, 2.8/2.5 A

Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>585600</td>
<td>TE-5.5-MD-CK</td>
<td>115/230</td>
<td>Not included</td>
<td>32 gpm</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>121.1 lpm</td>
</tr>
</tbody>
</table>

* This pump does NOT have run dry capabilities.

Performance Curve
Magnetic Drive Pumps

CK SERIES
1/2 HP
Non-Submersible, In-line Use
TE-6-MD-CK

Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump's material of construction

Features
- 1/2 hp TEFC split phase motor
- Carbon-filled PVDF volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

Series Specifications
- RPM: 2850/3450
- Capacity: 35 gpm (132.4 lpm)
- Shut Off: 49' (14.9 m)
- Liquid Temperature: 200 °F (93.3 °C)
- Discharge: 3/4” MNPT (19 mm)
- Intake: 1" FNPT (25.4 mm)
- Impeller: Carbon-filled PVDF bushing
- Electrical: 115 V, 50/60 Hz, 11.6/9.4 A
  230 V, 50/60 Hz, 5.8/4.7 A
- • 1/2 hp TEFC split phase motor
- • Carbon-filled PVDF volute and backplate
- • 1.1 specific gravity
- • Fluoroelastomer (FKM) O-ring
- • Ceramic thrust washers and shaft
- • C-cCSAus listed

Performance Curve

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>586600</td>
<td>TE-6-MD-CK</td>
<td>115/230</td>
<td>Not Included</td>
<td>35 gpm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>132.4 lpm</td>
</tr>
</tbody>
</table>
Magnetic Drive Pumps

**CK SERIES**

1/2 HP  
Non-Submersible, In-line Use  
TE-6-MD-CK

### Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump's material of construction

### Features
- 1/2 hp TEFC split phae motor
- Carbon-filled PVDF volute and backplate
- 1.1 specific gravity
- Fluoroplastic (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed

### Series Specifications

<table>
<thead>
<tr>
<th>RPM</th>
<th>2850/3450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>35 gpm (132.4 lpm)</td>
</tr>
<tr>
<td>Shut Off</td>
<td>49' (14.9 m)</td>
</tr>
<tr>
<td>Liquid Temperature</td>
<td>200 °F (93.3 °C)</td>
</tr>
<tr>
<td>Discharge</td>
<td>3/4&quot; MNPT (19 mm)</td>
</tr>
<tr>
<td>Intake</td>
<td>1&quot; FNPT (25.4 mm)</td>
</tr>
</tbody>
</table>

**Impeller:** Carbon-filled PVDF with mica-filled PTFE bushing  
**Electrical:**  
115 V, 50/60 Hz, 11.6/9.4 A  
230 V, 50/60 Hz, 15.8/4.7 A

### Model Characteristics

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Volts</th>
<th>Cord</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>586610</td>
<td>TE-6-MD-CK</td>
<td>115/230</td>
<td>Not Included</td>
<td>35 gpm 132.4 lpm</td>
</tr>
</tbody>
</table>
Magnetic Drive Pumps

**CK SERIES**

**3/4 HP**
Non-Submersible, In-line Use

**TE-7-MD-CK**

### Applications
- Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump’s material of construction

### Features
- 3/4 hp TEFC PSC motor
- Carbon-filled PVDF volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- 1-1/2" FNPT (38 mm) intake
- Carbon-filled PVDF bushing
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- 1-1/2" FNPT (38 mm) intake
- cCSAus listed (587600 and 587603)

### Series Specifications
- **RPM:** 2850/3450
- **Capacity:** 53 gpm (200.6 lpm)
- **Shut Off:** 58.5’ (17.8 m)
- **Liquid Temperature:** 200 °F (93.3 °C)
- **Discharge:** 1” MNPT (25.4 mm)
- **Intake:** 1-1/2” FNPT (38 mm)
- **Impeller:** Carbon-filled PVDF bushing
- **Electrical:**
  - 115 V, 50/60 Hz, 10.4/11.8 A
  - 230 V, 50/60 Hz, 5.2/5.9 A
  - 3 Phase:
    - 230 V, 50/60 Hz, 2.4/2.9 A
    - 460 V, 50/60 Hz, 1.2/1.5 A
- **Item #**
- **Model**
- **Volts**
- **Cord**
- **Capacity**
  - 587600 TE-7-MD-CK 115/230 Not included 53 gpm 200.6 lpm
  - 587603 TE-7-MD-CK 230/460 3 Phase Not included 53 gpm 200.6 lpm
  - 587106 TE-7-MD-CK Pump head less motor -- -- --

### Performance Curve

![Performance Curve Graph](image)

- Capacity - Gallons per Minute
- Total Head in Feet
- Total Head in Meters

- 115 or 230 volt, 60Hz
## Specification Charts
### Utility Pumps

<table>
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<th>Item #</th>
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<th>Performance (gph @ Height in Feet)</th>
<th>Shut Off (ft)</th>
<th>PSI</th>
<th>Volts</th>
<th>Cord (ft)</th>
<th>Weight (lbs)</th>
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## Specification Charts

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### Specialty Pumps

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Hard-Working Pumps for Commercial, Industrial and Home Applications

Water Displays • Fountains • Air Conditioners
Machine Tool Cooling • More!

Portable Utility Pump
- Our most versatile pump
- Oil-filled motor; epoxy-coated cast aluminum housing
- Screened inlet; 26.3’ maximum lift; pumps down to 1/8”
- For submersible use only

See page 6 for more information.

Small Submersible Pump
- Epoxy-coated cast aluminum housing
- Oil-filled motor
- Pumps 205 gallons per hour (GPH)
- Screened inlet; 7.4’ maximum lift; thermal overload protection on most

See page 12 for more information.

Small Submersible Nylon Pump
- Corrosion-resistant nylon housing
- Oil-filled motor
- 210 GPH capacity
- Screened inlet; 10.2’ maximum lift; thermal overload protection

See page 16 for more information.

See your distributor for more information, or call Franklin Electric directly at 1-800-701-7894.
About Our Company.

In 2006, Franklin Electric Company acquired Little Giant Pump Company to solidify our position as a leading global supplier of water pumping systems for residential and commercial markets. Little Giant® products – sump, sewage, effluent, utility, condensate removal and submersible industrial pumps – complement and broaden Franklin Electric’s overall water systems offering.

Little Giant Pump Company, now Franklin Electric, offers the industry a well-respected brand of products – Little Giant. Founded on quality, availability, service, innovation and value, Franklin Electric continues to bring the Little Giant brand name advantage.

Franklin Electric is a global leader in the production and marketing of systems and components for the movement of water and automotive fuels. Recognized as a technical leader in its specialties, Franklin serves customers around the world in residential, commercial, agricultural, industrial, municipal, and fueling applications.

Long recognized as the world’s largest manufacturer of submersible electric motors, Franklin Electric has been able to leverage its expertise in motor applications to grow and serve several different markets. The principal application for Franklin products is water well pumping systems, where the company offers pumps, motors, drives and controls. In addition, Franklin Electric produces a vast array of products for fueling systems and the water transfer market.

With 3,500 employees worldwide, Franklin Electric is a global manufacturer with over 25 manufacturing and distribution facilities located in the United States, Germany, Czech Republic, Italy, Mexico, Canada, Australia, Brazil, South Africa, China, and Japan.