## FEATURES

1. Internal cooling jacket offers continued cooling during low sump levels or dry pit pumping.

2. Enclosed Multi-vane, impellers, with field adjustable / replaceable wear plate provides for high wear resistance and enhanced solids handling capability.

3. Highly efficient, continuous duty air filled, copper wound motor with class F insulation minimizes the cost of operation.

4. Built in thermal protection prevents motor failure due to overloading, accidental run-dry and single phasing in three phase units.

5. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber, equipped with an oil lifter, and further protected by an exclusionary oil -

- Seal(s), provides for the most durable seal design available.

6. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours provide for extended operational life.

## APPLICATIONS

1. Commercial, Industrial sewage, wastewater, or effluent transfer.

2. Decorative fountains and aquiculture.

3. Raw water supply from rivers or lakes.

4. Dry pit sump design available.

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Discharge Size</th>
<th>Horsepower Range</th>
<th>Performance Range, Capacity Head</th>
<th>Maximum water temperature</th>
<th>Materials of Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; ~ 16&quot; (150 ~ 400 mm)</td>
<td>30 Hp. ~ 60 Hp. (22 kW ~ 45 kW)</td>
<td>429 ~ 6340 G.P.M. (1.6 ~ 24.0 m³/min)</td>
<td>10.7 Ft.~154.2 Ft. (3.3 ~ 47.0m)</td>
<td>Cast Iron, ASTM 48 Class 35</td>
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<td>Cast Iron, ASTM 48 Class 35</td>
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<td>420 Stainless Steel</td>
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<td>Cast Iron, ASTM 48 Class 30</td>
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<td>304 Stainless Steel</td>
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<td></td>
<td></td>
<td>Silicon Carbide</td>
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<td>NBR (Nitril Buna Rubber)</td>
</tr>
</tbody>
</table>

## STANDARD

- Impeller Type: Semi-open, Enclosed, solids handling.
- 1.57"~ 4.25" (40 ~ 108 mm)
- Bearings: Pre-lubricated, Double Shielded
- Motor Nomenclature Type, Speed, Hz.: Air Filled, 3600, 1800, 1200 & 900 Rpm, 60 Hz.
- Voltage, Phase: 460 or 575 V., (3 Phase)
- Insulation: Class F
- Submersible Power Cable 32' (10 m)
- Operational Mode: Manual

## OPTIONS

- Dry-Pit
- TO/TOS Slide Rail System

## OPTIONS

- Length as required.