FEATURES

• Heavy duty closed impeller for pumping abrasive solids.
• 28% High Chrome 650+ Brinell hardness assures long life of impeller, wear plate and casing.
• Double mechanical seal with Silicon Carbide vs. Silicon Carbide seal faces running in a barrier fluid for lubrication and cooling.
• Large Diameter shafts to increase seal and bearing life with minimal deflection.
• C-Face inverter-duty TEFC, severe service, low voltage motor minimizes the cost of operation.

SPECIFICATIONS

Horsepower
15 - 500 HP

Discharge Size
3” – 8”

Performance Range

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 - 6250 US GPM</td>
<td>4-1/2”</td>
</tr>
</tbody>
</table>

Max Particle Size

<table>
<thead>
<tr>
<th>Voltage / Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>230, 460, 575 V / 3 Phase</td>
</tr>
</tbody>
</table>

Motor Nomenclature

<table>
<thead>
<tr>
<th>Type / Speed / HZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-Face TEFC / 900 to 1800 RPM / 60 HZ</td>
</tr>
</tbody>
</table>

Maximum Water Temperature
200° F+

Operation Mode
Synchronous Speed or V.F.D.

Materials of Construction

<table>
<thead>
<tr>
<th>Casing</th>
<th>Impeller</th>
<th>Wear Plate</th>
<th>Shaft</th>
<th>Bearing Housing</th>
<th>Fasteners</th>
</tr>
</thead>
<tbody>
<tr>
<td>28% High Chrome 650+ Brinell Hardness</td>
<td>28% High Chrome 650+ Brinell Hardness</td>
<td>28% High Chrome 650+ Brinell Hardness</td>
<td>416 Stainless Steel</td>
<td>Cast Iron</td>
<td>18-8 Stainless Steel</td>
</tr>
</tbody>
</table>

Impeller Type
Semi-Open

Mechanical Seal

<table>
<thead>
<tr>
<th>Seal Faces</th>
<th>Elastomers</th>
<th>Labyrinth Seal</th>
<th>Lubrication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon Carbide</td>
<td>Viton</td>
<td>Stainless Steel/Cast Steel</td>
<td>Mobil / Synturion 6</td>
</tr>
</tbody>
</table>

Bearings

<table>
<thead>
<tr>
<th>Thrust</th>
<th>Radial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double Angular Contact</td>
<td>Deep Groove Ball Bearing</td>
</tr>
</tbody>
</table>

Lubrication

Permanently Lubricated with Mobil SHC Polyrex 222

Accessories

| Agitators / Discharge Hose / Variable Speed / Urethane Coating / Elbows in Steel or High Chrome / Control Panels / Moisture and Thermal Protection / Rafts |

STANDARD

Mount vertically where space saving is required.