**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.
- Inverter-duty, air-filled, copper-wound motor (TENV) for use on VFD’s.
- Class H insulation.
- Extended run dry capabilities when sized appropriately for the application.
- An agitator is optional for thick, heavy slurries.
- Seal relief port decreases pressure exposed to seal.
- Large Diameter shafts to minimize deflection and maximize seal life.
- Maximum material thickness of liquid end parts to maximize service life.

**SPECIFICATIONS**

- **Horsepower**: 5 - 800 HP
- **Discharge Size**: 3” – 8”
- **Performance Range**
  - **Capacity**: 250 - 6000 US GPM
  - **Head**: 50’ – 350’ TH
  - **Max Particle Size**: 3-1/4”
- **Motor Nomenclature**
  - **Type / Speed / HZ**: TENV Air-Filled / 900 to 1800 RPM / 60 HZ
  - **Voltage / Phase**: 460, 575 V / 3 Phase
  - **Service Factor**: 1.15
  - **Insulation**: Class H
  - **Cable Length**: 33’ (Length option available)
- **Maximum Water Temperature**: 180° F
- **Operation Mode**: Synchronous Speed or V.F.D.
- **Materials of Construction**
  - **Casing**: 28% High Chrome 650+ Brinell Hardness
  - **Impeller**: 28% High Chrome 650+ Brinell Hardness
  - **Wear Plate**: 28% High Chrome 650+ Brinell Hardness
  - **Shaft**: 416 Stainless Steel
  - **Bearing Housing**: Cast Iron
  - **Fasteners**: 18-8 Stainless Steel
  - **Impeller Type**: Enclosed
  - **Mechanical Seal**:
    - **Upper Seat**: Silicon Carbide
    - **Elastomers**: Viton
    - **Labyrinth Seal**: Stainless Steel/Cast Steel
    - **Lubrication**: Mobil / Sunturion 6
  - **Bearings**: Double Angular Contact
    - **Thrust**: Deep Groove Ball Bearing
    - **Radial**: Permanently Lubricated with Mobil SHC Polyrex 222
- **Accessories**
  - **Agitators / Discharge Hose / Vari**}
  - **Bearing Housing**: Cast Iron
  - **Fasteners**: 18-8 Stainless Steel
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    - **Upper Seat**: Silicon Carbide
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  - **Bearings**: Double Angular Contact
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    - **Radial**: 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**

Built to handle the most severe slurry applications where others fail.