

DURABLE. RELIABLE. DEPENDABLE.



**HEAVY-DUTY MONO BLOC
VERTICAL EVEN WEAR DRY
PIT SLURRY PUMP**

**MVEW
SERIES**

SPECIFICATIONS

FEATURES	SPECIFICATIONS	STANDARD
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1. Enclosed Impeller

- Even wear components.
- Balanced hydraulic design for extended and even wear life of components.
- Wear plate, impeller and casing are made from 28% High Chrome.

2. Slurry Mechanical Seal

- Dual seals of Silicon Carbide vs. Silicon Carbide running without the need for flush water.
- The motor is further protected by a labyrinth seal and dual upper lip seals.

3. Premium Efficiency Motor

- Inverter-duty, air-filled, copper-wound motor.
- Class H insulation.
- Extended dry run capabilities when sized correctly for the application.

4. No Packing or Shaft Seals

- Mechanical seal is self-contained requiring no adjustments or flush water for lubrication.

5. Back Pullout Design for Ease of Maintenance



Horsepower

Discharge Size

Performance Range

Capacity

Head

Solids Handling

Motor Nomenclature

Type / Speed / HZ

Voltage / Phase

Service Factor

Insulation

Cable Length

Maximum Water Temperature

Operation Mode

Materials of Construction

Casing

Impeller

Wear Plate

Shaft

Bearing Housing

Fasteners

Impeller Type

Mechanical Seal

Upper Seat

Upper Rotator

Lower Seat

Lower Rotator

Elastomers

Labyrinth Seal

Lubrication

Bearings

Thrust

Radial

Lubrication

Accessories

15 – 1500 HP

3" – 8"

250 – 6,000 US GPM

50' – 350' TH

1" to 3-1/4" Particle Size

TENV Air-Filled / 890 to 1180 RPM / 60 HZ

460, 575 V / 3 Phase

1.2

Class H

33' (Length option available)

180° F+

Synchronous Speed or V.F.D.

28% High Chrome 650+ Brinell Hardness

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416 Stainless Steel

Cast Iron 3/8" Minimum

Thickness

316 Stainless Steel

Enclosed

Silicon Carbide

Silicon Carbide

Silicon Carbide

Silicon Carbide

Viton

Cast Steel

Mobil / Synturion 6

Double Angular Contact

Deep Groove Ball Bearing

Permanently Lubricated with

Mobil SHC Polyrex 222

Discharge Hose / Urethane

Coating / Elbows in Steel or High

Chrome / Control Panels /

Moisture and Thermal Protection

/ Float Controls / Rafts

Mount vertically outside the tank where there is a possibility of flooding. Save floor space by 50%.

