

DURABLE. RELIABLE. DEPENDABLE.



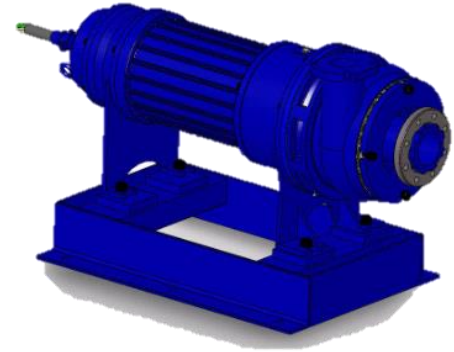
HEAVY-DUTY MONO BLOC HORIZONTAL GENERATION THREE DRY PIT SLURRY PUMP

**MHGT
SERIES**

SPECIFICATIONS

FEATURES

- Heavy duty semi-open impeller for pumping abrasive solids.
- 28% High Chrome 650+ Brinell hardness assures long life of impeller, wear plate and casing.
- Dual seals of Silicon Carbide vs. Silicon Carbide seals run in bath of barrier fluid which removes the need for flush water.
- Inverter-duty, air-filled, copper-wound motor (TENV) for use on VFD's.
- Class H insulation.
- Inverter-duty, air-filled, copper-wound motor.
- Large Diameter shafts to increase seal and bearing life with minimal deflection.
- Maximum material thickness of liquid end parts to maximize service life.



**Mount horizontally outside the tank
where there is a possibility of
flooding.**

SPECIFICATIONS

STANDARD

Horsepower	5 -500 HP
Discharge Size	2" – 6"
Performance Range	
Capacity	100 - 3000 US GPM
Head	40' – 300' TH
Max Particle Size	3"
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
Motor Housing	Cast Iron
Fasteners	18-8 Stainless Steel

SPECIFICATIONS

STANDARD

Impeller Type	Semi-Open
Mechanical Seal	
Face Seals	Silicon Carbide
Elastomers	Viton
Labyrinth Seal	Stainless Steel/Cast Steel
Lubrication	Mobil / Synturion 6
Bearings	
Thrust	Double Angular Contact
Radial	Deep Groove Ball Bearing
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

