

MPHD-intMPE
Electrical Operated



SUBMERSIBLE DEWATERING PUMP

Light Weight, Compact, Robust & Sturdy,
Specially Designed to Handle Muddy Water in
Construction Sites, Mines, Shipyards Etc.

FEATURES

- Unique Tandem Double Mechanical Seal.
- Built In Motor Protection Unit (optional).
- Water / Oil Proof Double Sheathed Cable.
- Ambient Temp. Up To 50° C.
- Up to 10 Mtrs. Submergence.
- Available in SS 304 / SS 316 for Continuous Sea Water Application.

MATERIALS OF CONSTRUCTION

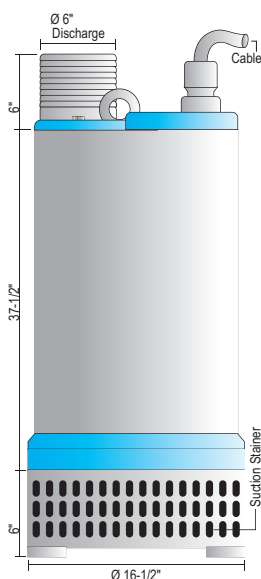
PART	MATERIAL	SPECIFICATION
Inner Casing	CI / SS 316 / Alu. Alloy	
Outer Casing	SS 316 / MS Duly Epoxy Coated	
Top Bracket	CI / Alu. Alloy	
Impeller	S. Steel	AISI 410 / 316
Hardware	S. Steel	AISI 304 / 316
Diffuser / W. Plate	Rubber Coated	



MPHD35 / MPHD35H & MPHD50 / MPHD50H

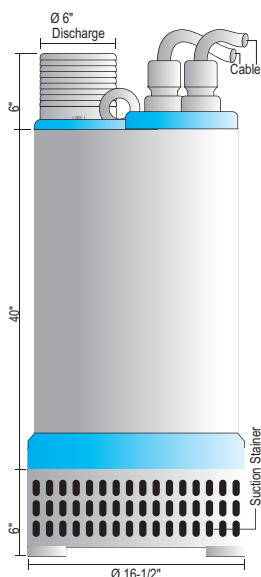
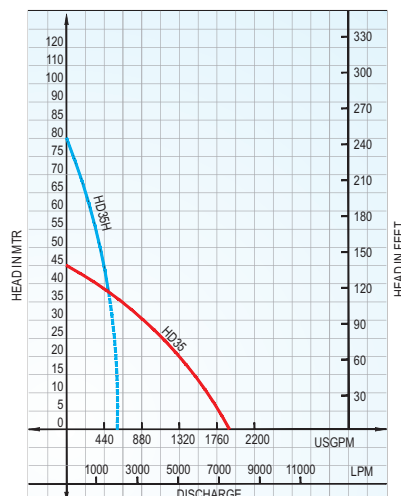
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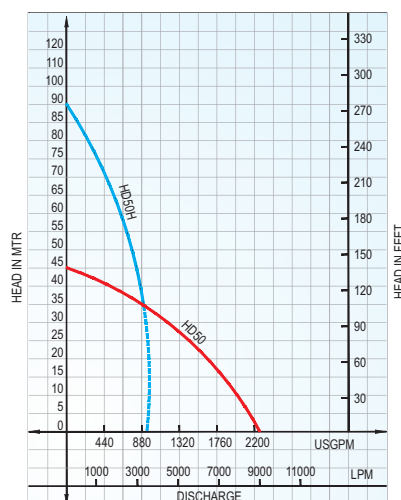
MPHD35 / MPHD35H

HP/KW	35/26.11		
Voltage / HZ	415V/50HZ	380V/60HZ	440V/60HZ
Amps	50 Amps	56 Amps	45 Amps
Power Cable	4 x 3/8" ²		
Starting Method	DOL		
RPM	2850 / 3450		
Discharge Connection	6" / 4" (Flanged / NPT Threaded / Slipon Hose Outlet)		
Weight of Pump	190 kg / 419 pounds		
Minimum Suction Height	6"		
Strainer Passage	5/8"		



MPHD50 / MPHD50H

HP/KW	50/37		
Voltage / HZ	415V/50HZ	380V/60HZ	440V/60HZ
Amps	68 Amps	72 Amps	65 Amps
Power Cable	2 X 4 X 3/8" ²		
Starting Method	Star / Delta		
RPM	2850 / 3450		
Discharge Connection	8" / 6" (Flanged / NPT Threaded / Slipon Outlet)		
Weight of Pump	220 kg / 485 pounds		
Minimum Suction Height	6"		
Strainer Passage	5/8"		



MOTOR

Squirrel cage induction motor of continuous rating having 'F' Class / 'H' Class insulation with Bi-metallic switches embedded in stator winding to protect against over heating.

BALL BEARING

Double row angular contact bearing at lower side carry high thrust and radial loads. Deep Groove single row ball bearing on upper side. These Bearings are filled with special grease to withstand high temperature.

POWER CABLE

Water Proof / Oil Proof PVC / EPR insulated double sheathed copper conductor flexible cable of appropriate size in 45ft length.

MECHANICAL SEAL

Double seals in tandem arrangement immersed in oil to ensure long life maintenance free operation.

IMPELLER

The high Chrome / Super Duplex Steel semi open mixed flow Impeller designed to minimize the clogging and made to handle high level abrasives.

OPTIONS & ACCESSORIES

- Polyurethane Wear Parts
- Zinc Anodes
- Control Panels
- Service Kit
- Discharge Hose
- Built-in-motor Protection

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