

Tough Pumps HD Series Dewatering

Versatile, really robust and definitely reliable



MBH[®]
PUMPS

Underground mine Dewatering



The HD series dewatering pump is ideal for operation in deep excavations where very high head pumping is needed, such as in open pit mines as well as in underground mines. Other typical applications include quarries and tunneling projects.

HD series dewatering is designed to handle pH levels from 6 to 13; zinc anodes are available for extra protection. As this pump is made of cast iron, it is also the right choice for heavy-duty applications in salt water. MBH reliable pumps are designed for long time operation and are easy to install.

HD Series Dewatering Pumps

Technical Specifications :

Flow Rate : upto 550 m³/hr
Maximum head : upto 210 m
Available : 90 kW / 120 hp

Available with various voltage options for mining application

27% high chrome impellers

Offered with horizontal and vertical installation kit

Applications

- Mining source water
- Tunneling face & stage dewatering
- Open pit - underground Mine dewatering



Design

Electrical motor

- Squirrel cage 3 phase induction motor
- Insulation class : H (IEC 85)
- Protection class : IP68

Motor protection

Sensors are well placed in the motor for Thermal Protection as well as moisture detection in the Motor. This ensures tripping of the motor in adverse condition.

Mechanical seal with silicon carbide faces

Heavy duty dual mechanical seal arrangement is present in the oil chamber, which protects the motor from heavy slurry that needs to be pumped using HD series pumps.

Bearings

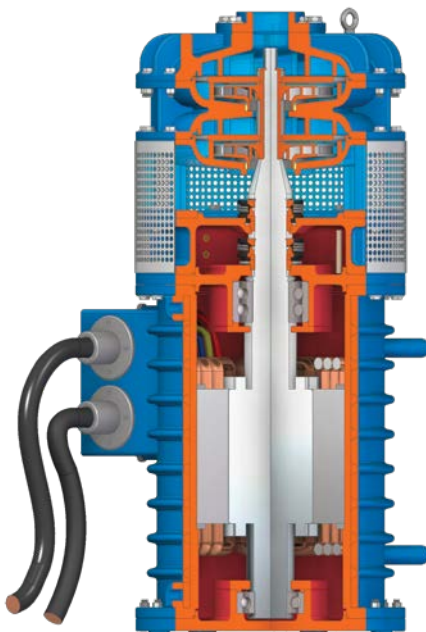
- Main bearing : two single-row angular contact ball bearings
- Support bearing : cylindrical single-row roller bearing with C3 clearance

High chrome iron impeller 27%

Made of high-chromium with 27% chrome content ensures highest durability with open impeller.

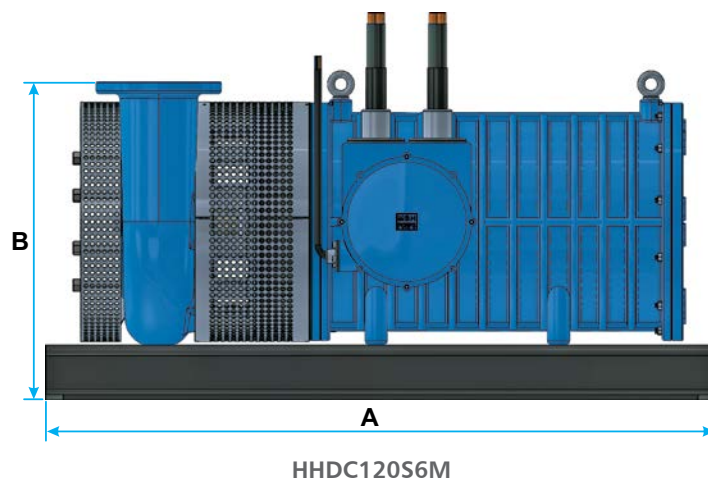
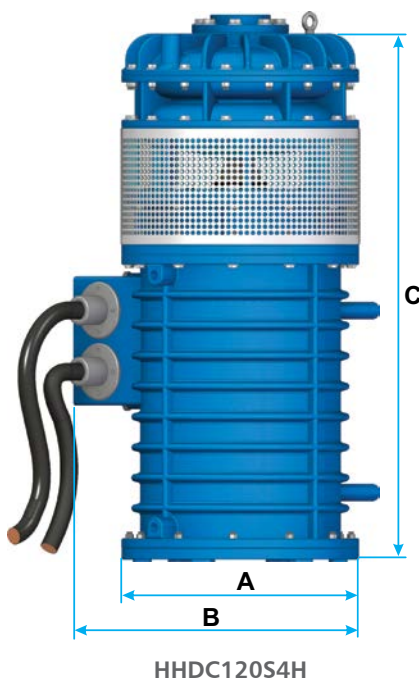
Discharge connections

- 4-6" (DN 100-150) Flange SMS, DIN, BS or ANSI

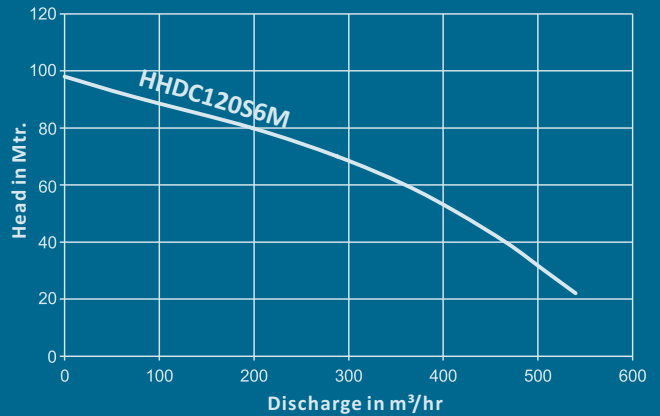
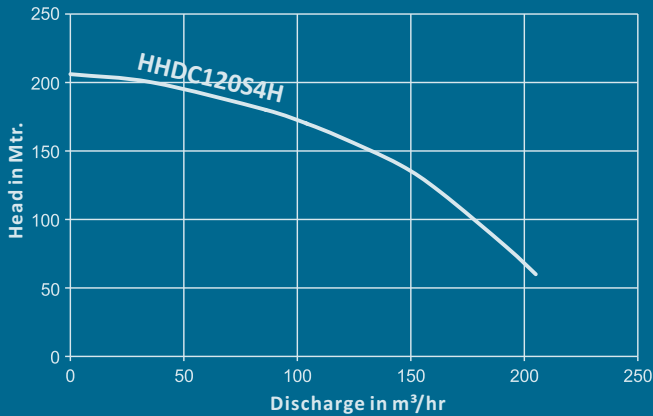


All Dimension are in mm

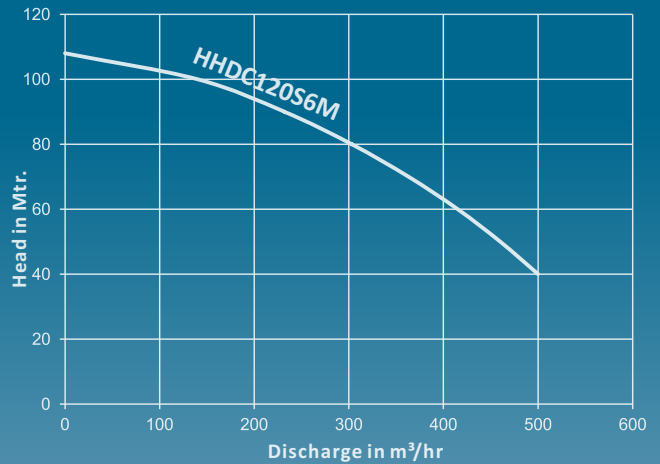
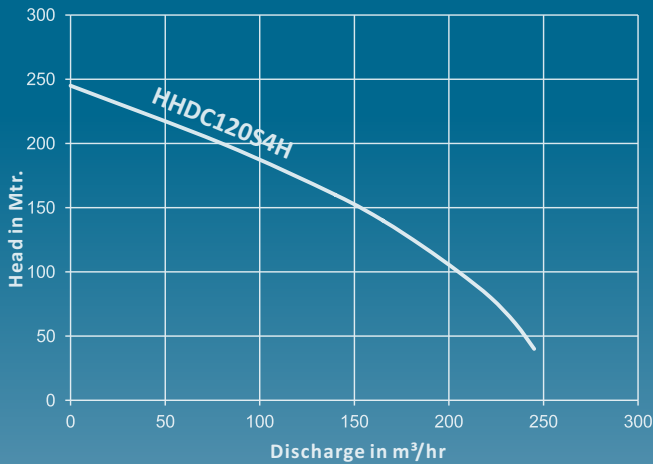
Model	HP	Del. Size in mm	A	B	C	Weight in kg
HHDC120S4H	120	100	540	650	1302	1210
HHDC120S6M	120	150	1525	750	540	1210



Performance curves for 50 Hz



Performance curves for 60 Hz



**Inquire about our other product range for
Dewatering Pumps**



DCAL Series
Dewatering Pumps



DS Series Duplex Steel
Submersible Pumps



Ni-Hard Series
Submersible
Slurry Pumps



Pro-Prime Series
Autoprime Pumps

Specifications and performance are subject to change without prior notice.
Images used are for illustration purpose only.

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mbh pumps (gujarat) pvt. ltd.
Plot No. 14, G.I.D.C. Indl. Estate,
Naroda, Ahmedabad - 382 330, India.
+91-79-2282 3066, 2282 1018
marketing@mbhpumps.com
exports@mbhpumps.com
www.mbhumps.com

