

H₂O Series

Horizontal Split Casing Pumps

Versatile, really robust and definitely reliable



MBH[®]
PUMPS



MBH Horizontal Split Casing Pumps - a new concept for better performance and higher efficiency. For greater interchangeability and ease of maintenance, MBH Horizontal Split Casing Pumps allow easy access to facilitate maintenance and inspection of rotor assembly without disturbing pipe connectors and prime mover. These MBH Horizontal Split Casing Pumps give higher efficiency, stable head and non over loading power characteristics with better suction capabilities.

Applications : The MBH PUMPS H₂O Series Pumps are used in these main fields of application:

Commercial systems

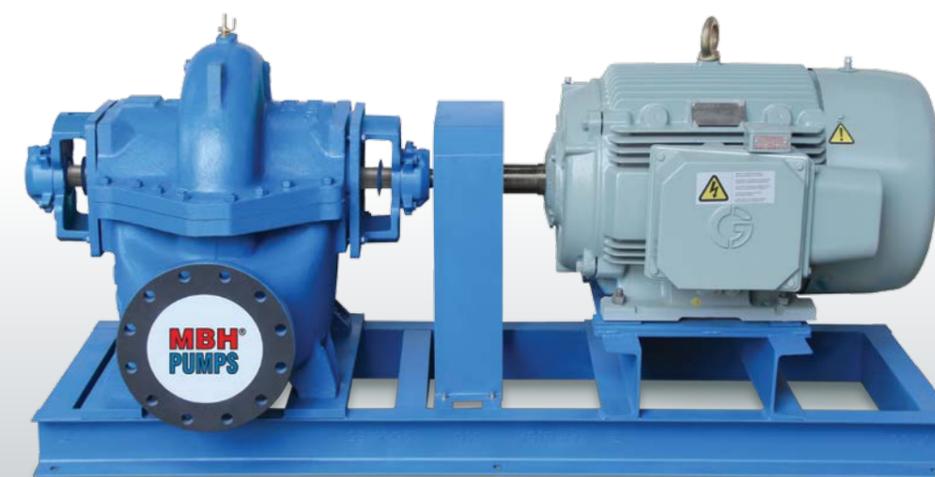
- Air-conditioning and chilled water system
- Water condensing systems and cooling towers
- District heating plants and heating systems

Industrial systems

- Process cooling and chilled water systems
- Industrial heating systems
- Wash-down and cleaning systems

Water distribution

- Public waterworks
- Non-potable water systems



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Design Features

Pump Casing

Horizontal axially split volute type, suction and discharge nozzles and supporting feet are cast integral with lower half casing.

Impeller

Double or single suction type accurately balanced. In case of double suction impellers, the hydraulic thrust is balanced automatically because of pressure equalization on both sides of the impeller.

Shafts

The high tensile steel shaft accurately machined and ground is supported by antifriction bearings. The shaft is protected by shaft sleeves from wear in stuffing box area.

Stuffing Box

Can be sealed by gland packing or by mechanical seal and is suitable for liquids having temperature upto 90°C.

Bearings

Grease Lubricated deep groove ball / roller bearings are provided. Large pumps can be provided with Oil Lubricated / Oil ring bearings.

Direction Of Rotation

Standard : Anticlockwise (ACW) when viewed from driving end. Optional : Clockwise (CW) when viewed from driving end.

Drive

Suitable for coupling with electric motors, engines or steam turbines either directly or through belt drives, gear boxes etc.

Performance

Capacity upto 1000 m³/h
Head upto 140 m
Speed upto 2950 rpm

Pump sizes

DN 50 to DN 350 (2" to 14") discharge

Casing pressure

upto 16 bar (235 PSI)

Liquids

Clean and slightly contaminated fluids (without bigger solids)
Cold and hot water
Condensate and DM water

Materials

Volute Casing : CI FG 260
Impeller : CI FG 260, SS 304, SS 316, Bronze

Shaft Sealing Pump

Pump supplied with either gland packing or mechanical seals. Stuffing box is designed with connections for sealing and flushing liquid. Mechanical seal of various makes, balanced or unbalanced type can be fitted easily in stuffing box.

Installations

Classic Network Pvt. Ltd.

upto 70 meter, 300.6 m³/hr & 120 HP (48 units)
Sagbara Dediypada RWSS (GWSSB) Project

Phoenix Projects Pvt. Ltd.

upto 47 meter, 336 m³/hr & 100 HP (17 units)
Mangoi & Gollav Narmada River Basin (GWSSB) Project

Vinod H Patel

33.5 meter, 162 m³/hr & 40 HP (15 units)
Morbi Water Supply Scheme (GWSSB)

Sorathia Velji Ratna & Co.

upto 64 meter, 385 m³/hr & 75 HP (8 units)
Kakrapar Regional Water Supply Scheme (GWSSB)

Mediwala Machinery Company

upto 45 meter, 140 m³/hr & 40 HP (6 units)
Gray Iron Factory, Jabalpur

Phoenix Projects Pvt. Ltd.

39 meter, 354 m³/hr & 75 HP (3 units)
Morbi Water Supply Scheme (GWSSB)

GSK Infrastructures

27 meter, 470 m³/hr & 75 HP (2 units)
HMWSSB Project

Shree Krishna Enterprise

40 meter, 198 m³/hr & 40 HP (2 units)
Dwarka Nagarpalika

KMB Electricals

38 meter, 911.8 m³/hr & 180 HP (2 units)
Banaras Water Supply Scheme

Lahoti Electric Agencies

100 meter, 100 m³/hr & 75 HP (1 units)
Zilla Parishad Regional Scheme, Buldana



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

MBH[®] PUMPS

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