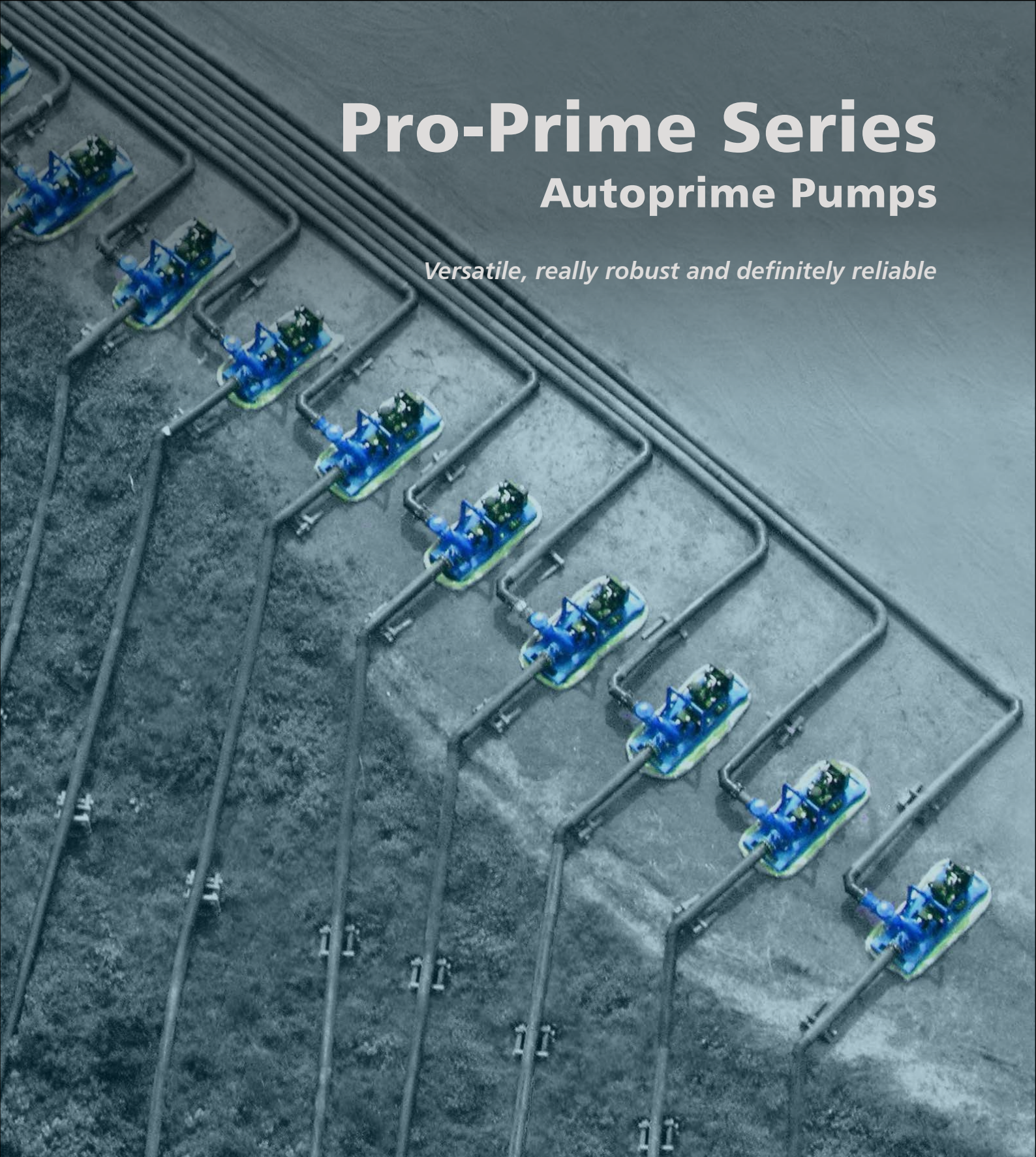


# Pro-Prime Series Autoprime Pumps

*Versatile, really robust and definitely reliable*



**MBH<sup>®</sup>**  
**PUMPS**

# Pro-Prime Series Autoprime Pumps

We offer a wide variety of Reliable, Highly efficient and long lasting dewatering pumps. Exceptional design and superior components assure that you receive the very best quality product for your investment. Our equipment is designed to stand up to a variety of conditions in a multitude of applications. Our commitment to quality and reliability includes rigorous testing prior delivering every Dewatering pump to ensure that your equipment will be in perfect working order when it arrives at your site. MBH Pumps Standard and High Performance Pro-prime series pumps are specifically designed to effectively handle a wide range of liquids from water and sewage, to sludge that can contain solids and other material. MBH Pumps Pro-prime pumps, with advanced Open impeller designs, provide a dependable, highly efficient solution in a completely automatic priming pump.



MBH Pumps Pro-Prime Series pumps are designed and built to superior standards to with stand the most demanding applications. MBH Pro-Prime pumps offer excellent hydraulic efficiencies, low maintenance and operating costs and other adantages like,

- Automatic Priming
- Suction lifts to 9 m
- Operates in 'dry' conditions
- Special MOC Available on Pump Ends for harsher environments (CD4MCU, SS 316)
- Solids handling up to 120 mm
- Replaceable wear parts
- Diesel or electric drive
- Close coupled SAE bearing frames



## Installation

1. NTPC Limited - 2 nos  
Upto 800 m3/hr & 8 inch Delivery
2. NTPC Limited - 1 Nos  
Upto 200 m3/hr & 4 inch Delivery
3. NTPC Limited - 3 Nos  
Upto 300 m3/hr & 6 inch Delivery

## Where MBH PUMPS are used



### Municipal

- Sewer bypass
- Digester cleaning and sludge removal
- Emergency drainage of floodwaters



### Mining and quarrying

- Open pit and underground drainage
- Process water supply and transfer



### Industrial

- Wastewater bypass
- Temporary fire pumps
- Temporary raw water supply



### Construction and tunneling

- Site drainage
- Stream diversions
- Drill rig water supply



### Oil and gas

- Tank cleaning
- Water supply for hydraulic fracturing
- Product transfer
- Pipeline pigging



### Marine

- Barge ballasting
- Jetting

# Pro-Prime Series

## Autoprime Pumps



### The Pro-Prime Series Range

- Flow : upto 2500 m<sup>3</sup>/h
- Head : upto 200 meters with single stage impeller
- Solids handling : upto 125 mm
- Mechanical seal fitted pumps

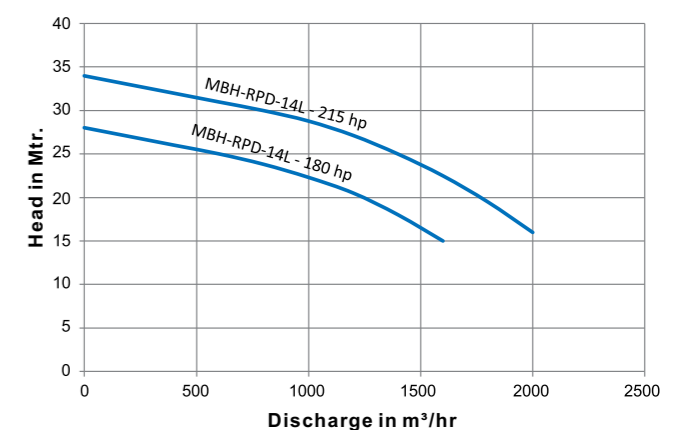
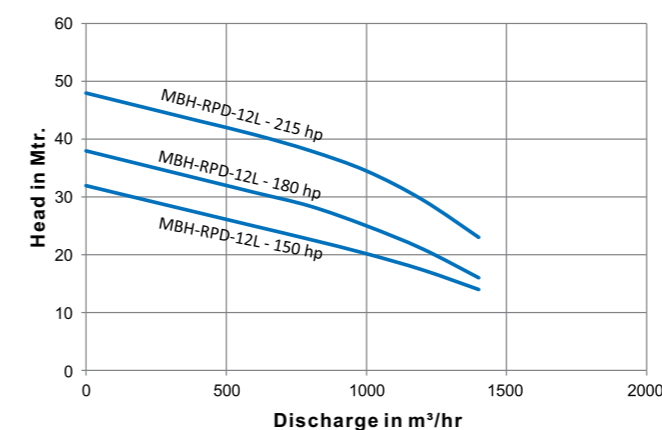
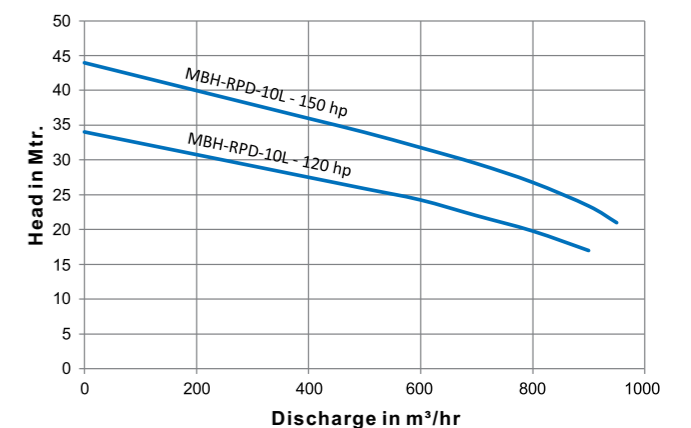
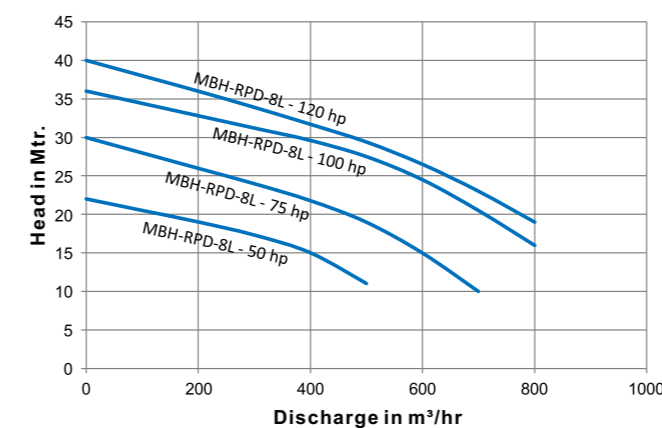
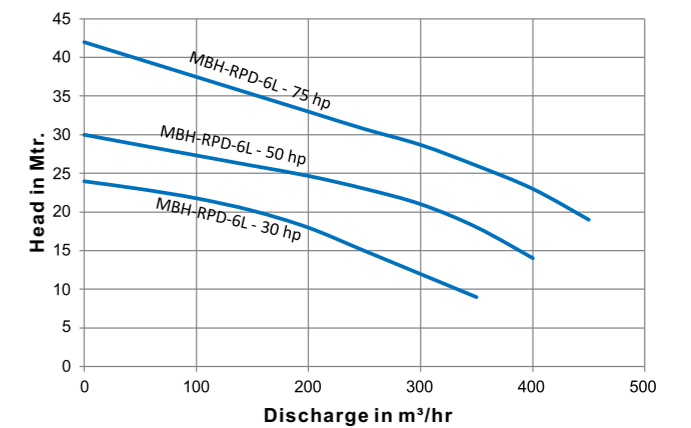
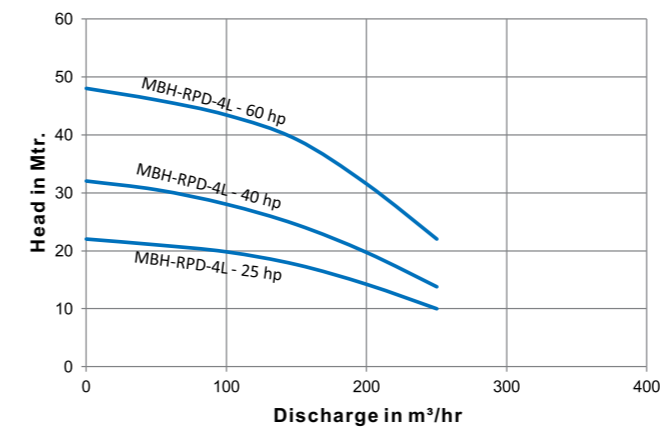


### Technical Specification :

Model	MBH-RPD-4L	MBH-RPD-6L	MBH-RPD-8L	MBH-RPD-10L	MBH-RPD-12L	MBH-RPD-14L
Suction (mm)	150	200	250	300	350	400
Discharge (mm)	100	150	200	250	300	350
Solids handling (mm)	75	100	100	100	125	125
Rating (HP/kW)	up to 85.0/63.4	up to 133.0/99.2	up to 231.0/172.1	up to 313.0/233.5	Up to 400.0/298.4	up to 254.0/189.5
Operating speed (rpm)	up to 2000	up to 2000	up to 2000	up to 2000	up to 1800	up to 1500
Max flow in m <sup>3</sup> /hr	240	450	800	950	1400	2000
Max head in mtr	70	60	55	75	80	34
Prime mover	Electric motor/ Engine	Electric motor/ Engine	Electric motor/ Engine	Electric motor/ Engine	Electric motor/ Engine	Electric motor/ Engine

For Specifications of High head pumps contact at [marketing@mbhpumps.com](mailto:marketing@mbhpumps.com)

### Performance Curves (1500 RPM)



## Features



Rugged, heavy-duty centrifugal pumps engineered specifically for portable application. Available with diaphragm priming system - Features a high-capacity diaphragm pump that evacuates air from the pump casing and suction line. A robust, float-driven positive seal arrangement prevents carry-over to the environment.

- Replaceable wear parts including wear rings and shaft sleeves
- Dynamically-balanced impellers
- Oversized bearings with min. 20,000 hour life
- Heavy walled castings for durability
- Double volutes for balancing internal pressures
- Low shaft deflection
- No seal flush needed
- Fully guarded coupling

### Priming Arrangement



- Extended body with sloped bottom
- Fusion Bonded Epoxy slick coat available - to prevent clogging
- Available in light weight all stainless steel construction to eliminate corrosion
- Dual float assembly - for positive seating
- Stainless steel 316 internal trim
- Exclusive high/low pressure resilient seating
- Full pipe size inlets and outlets provide maximum protection

### Sealing Arrangement



The Sealing system on our Auto prime pumps is unique and reference has been drawn from our famous Submersible Sewage pump series. Introducing dry running capabilities for the Seal and hence pump, the advantages are

- Run dry for hours without damaging the seal
- Ideal for applications that could operate in a dry condition
- No contamination of pumped fluid

### Diaphragm Vacuum Pump (70 cfm)



The Vacuum pump is the key part of Priming System, its function is to remove air and create a vacuum at the pump suction port.

## Service and Accessories

### Available Pump Packages

- Electric Operated
- Diesel Operated
- Silent Canopy Enclosure
- Skid Mounted
- Trailer Mounted

### Service and maintenance

MBH pumps through its Service team can offer a world-class service to our customers in India and beyond. These pumps are highly engineered units and require the absolute best servicing for continued outstanding performance. Our engineers offer either a complete scheduled service or in-house training of your own service engineers to ensure your pumpset is kept in the best condition. Whether you are renting pumps from MBH pumps or purchasing, our engineers are here to support your pumpset with expertise, experience and all the tools they need to keep.

### Services provided

**Repair & maintenance :** MBH Pumps offer Complete Annual maintenance contracts and other service packages for our Pro-primerseries Pumps for 5 years. You can buy your pump with 3 years, 4 years or 5 years service package and extended warranty. Please contact on [marketing@mbhpumps.com](mailto:marketing@mbhpumps.com) / [Service@mbhpumps.com](mailto:Service@mbhpumps.com) for more information on extended warranty and service packages.

**Installation & commissioning :** Take advantage of our services which are FREE across india for start-up and commissioning of your Pump-set. Design consultancy: MBH Sales Team can help you to select the right pump for remodelling, expanding or upgrading existingsystems.

### Accessories

The pumps are supplied on a Skids or optional trailer. A full range of accessories are available including fittings, Hoses, Valves, Flow-meters

#### Hoses :

- Suction hose with strainer fittings
- Delivery hose with spool
- Slurry hoses
- HDPE Pipes

#### Fittings :

- Strainers
- Bends
- Reducers / enlargers

#### Valves :

- Butterfly valves
- Swing check valves
- Gate valves

#### Flow meters :

- Electro magnetic



Suction hoses



Discharge hoses



Suction hoses with fitted strainers



Quick release pipes and adapters

Inquire about our product range for  
**Submersible Dewatering Pumps**  
applications



DCAL Series  
Dewatering Pumps



DS Series Duplex Steel  
Submersible Pumps



Ni-HARD Series  
Submersible Slurry Pumps



HD Series  
Dewatering Tough Pumps

For High Discharge & Head Models, Coordinate at [marketing@mbhpump.com](mailto:marketing@mbhpump.com)

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

**MBH**  
**PUMPS**

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