

**solidpump**

**MH**

22-45 kW

High Head  
Dewatering Pumps



MH-series submersible pumps with a strong construction are designed to withstand the high pressure during deep well dewatering. Motor and pump casing is made of rigid cast iron for long-lasting durability.

Maximum submersion depth is greatly increased due to special mechanical seal resistant to high pressure.

Motor is cooled by the pumped water for safe operation even in case the pump is operated continuously in semisubmerged condition.

Space saving design due to a top outlet.

Discharge from 100mm to 200mm, motor 22kW to 45kW. Pumps are equipped with dry type submersible induction motors (2 poles).

## Technical Specifications

- Capacity: up to 372 m<sup>3</sup>/h
- Head: up to 90 meters
- Power: 22kW to 45kW
- Power supply: Three phase 400V ± 10%, 50Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 20m
- Water temperature: up to 40°C
- Max. water depth: 30m

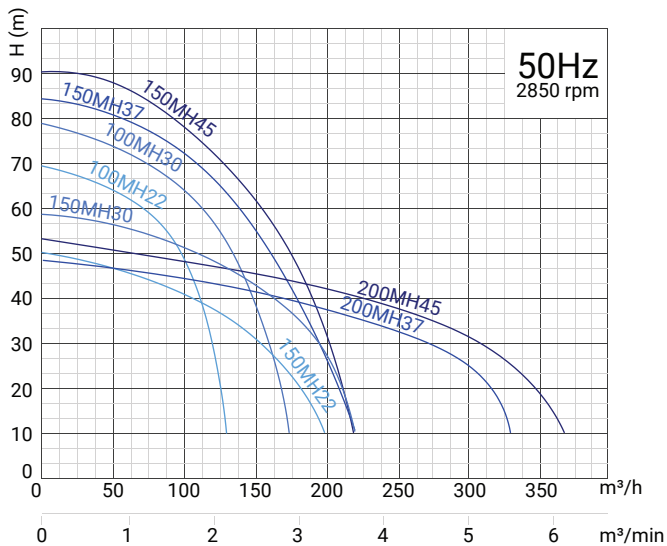
## Application

- Mining and industrial sites
- Construction sites
- Deep-well and high-head dewatering
- Drainage and contaminated water
- General pumping purposes

## Optional Features

- Other voltages
- Other length of cable

## Performance Curves

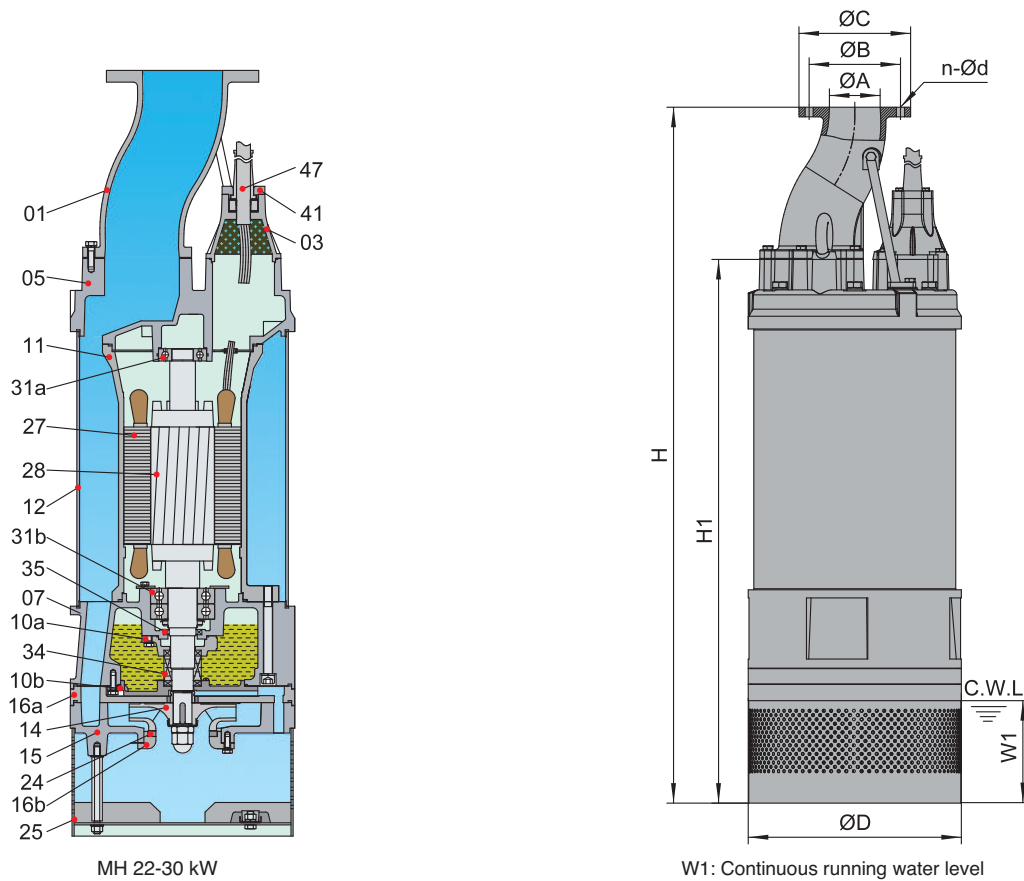


## Performance Range

Model (50Hz)	Outlet	Motor Power		Rated Current	Rated Capacity		Rated Head	Max Capacity		Max Head	Impeller Passage
	mm	kW	HP		A	m <sup>3</sup> /h		m <sup>3</sup> /h	m <sup>3</sup> /h		
100MH22	100	22	30	41.5	66	1.1	60	130	2.17	68	6
100MH30	100	30	40	54	72	1.2	70	170	2.83	78	6
150MH22	150	22	30	41.5	120	2.0	37	200	3.33	50	15
150MH30	150	30	40	54	140	2.33	45	220	3.37	58	15
150MH37	150	37	50	66	60	1.0	80	220	3.67	83	6
150MH45	150	45	60	80	84	1.4	80	220	3.67	90	6
200MH37	200	37	50	66	216	3.6	35	330	5.5	48	20
200MH45	200	45	60	80	270	4.5	35	372	6.2	53	20

\* Starting method: Star-Delta





MH 22-30 kW

W1: Continuous running water level

## Material of Construction

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Ductile iron	16b	Inlet plate	Cast iron
03	Terminal box	Cast iron	24	Neck ring	High chrome alloy
05	Upper cover	Cast iron	25	Strainer	AISI304SS
07	Bearing house	Cast iron	27	Stator	
10a	Seal bracket	Cast iron	28	Rotor	Shaft:AISI420SS
10b	Seal bracket	Cast iron	31a	Bearing	Ball bearing
11	Motor body	Cast iron	31b	Bearing	Ball bearing
12	Outer casing	Steel	34	Mechanical seal	Tc-Sic/Sic-Sic
14	Impeller	High chrome alloy	35	Oil seal	
15	Diffuser	Ductile iron	41	Shim	Cast iron
16a	Inlet plate	Ductile iron	47	Cable	

## Dimensions and Weight

Model (50Hz)	A	B	C	n-Ød	D	H	H1	W1	N.W	G.W	Packing dimension mm
	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	
100MH22	100	180	220	8-Ø17.5	420	1374	1072	240	370	410	620x740x1540
100MH30	100	180	220	8-Ø17.5	420	1374	1072	240	375	415	620x740x1540
150MH22	150	240	285	8-Ø22	420	1434	1082	250	385	425	620x740x1600
150MH30	150	240	285	8-Ø22	420	1434	1082	250	390	430	620x740x1600
150MH37	150	240	285	8-Ø22	530	1424	1072	180	570	615	680x740x1650
150MH45	150	240	285	8-Ø22	530	1424	1072	180	575	620	680x740x1650
200MH37	200	295	340	12-Ø22	530	1474	1072	180	575	625	680x740x1700
200MH45	200	295	340	12-Ø22	530	1474	1072	180	580	630	680x740x1700

# solidpump

For years, for contractors and mechanical engineers, Solidpump brand has been a sign of high reliability and excellent relation of quality and price, when a submersible pump is needed for the most demanding job.

Solidpump products are manufactured with the use of high-tech materials and have the advantage of know-how and the technical competence applied to achieve the lowest LCC (Life Cycle Costs) together with extended operational life and efficiency.

Constant improvement of design and performance capabilities of pumps is carried out owing to continuous feedback received from end-users and distributors. We perform close quality control and provide engineering services for the clients, starting from the consulting during the choice of the best unit, up to the after-sales service support.

Today, key Solidpump products are submersible contractors' dewatering pumps, submersible sand and slurry pumps and portable professional drainage pumps. Solidpump submersible pumps are applicable in general drainage, construction, mining and industrial sites, wastewater treatment, sludge and sand removal, etc.

Solidpump Europe, located in Latvia, conducts European distribution of Solidpump products, providing an extensive stock of pumps and parts along with qualified technical support to our customers.

## Solidpump. Solid reliability.

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