

## PRODUCT DATA SHEET BOOSTER SET PUMPS



# Omnigena

### MHI series

MHI booster set pumps, are designed to supply fresh, cold, clean water under pressure. MHI booster set pumps can be used to supply water from wells or other sources to buildings and will do an excellent job with irrigation. They are designed for applications where their hydraulic and technical parameters will be appropriate and in line with the user's expectations.

#### FEATURES

- Quiet operation
- High performance and high head max
- High self-priming efficiency
- Proven design
- Thermal protection integrated in the winding, which protects the motor against overheating
- Easy operation

#### TECHNICAL DATA

Max. water temperature	35°C
Max. suction depth	7 m
Length of power cable	0.6 m
Degree of protection for the pump	IP 22
Maximum volume	< 75 dB
Motor speed	2850 rpm
Insulation class	B

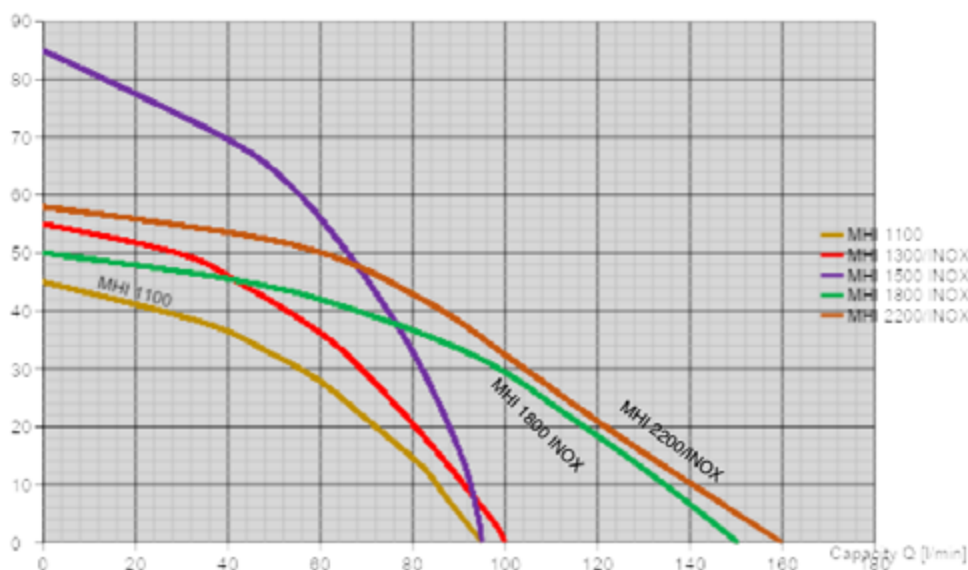
#### MATERIALS

Suction body	cast iron
Pressure body	cast iron
Rotors	stainless steel or noryl
Mechanical gland	silicon carbide/graphite
Pump shaft	stainless steel

#### TABLE AND GRAPH OF PARAMETERS

Pump model	Q max Capacity [l/min]	H max Head max. [m]	P Motor power [kW]	U Voltage [V]	I max Current [A]	RP-Ø Suction input Discharge outlet [inch]	Dimensions packaging [cm]	Weight Pumps [kg]
MHI 1100	95	45	1.1	~230	4.8	1"x1"	46.5x19x21	12
MHI 1500 INOX	95	80	1.5	~230	8.4	1"x1"	55x23x25	18.5
MHI 1500 INOX	95	80	1.5	~400	3.3	1"x1"	55x23x25	18
MHI 1300	100	55	1.3	~230	6.0	1"x1"	49x19x21	13
MHI 1300 INOX	100	55	1.3	~230	6.2	1"x1"	49x19x21	13.5
MHI 1300 INOX	100	55	1.3	~400	2.2	1"x1"	49x19x21	13
MHI 1800 INOX	150	50	1.8	~230	7.8	1/4"x1/4"	47.5x23x25	16
MHI 1800 INOX	150	50	1.8	~400	3.1	1/4"x1/4"	47.5x23x25	16.5
MHI 2200	160	58	2.2	~230	8.2	1/4"x1/4"	50x23x25	17
MHI 2200 INOX	160	58	2.2	~230	9.0	1/4"x1/4"	50x23x25	18
MHI 2200 INOX	160	58	2.2	~400	3.5	1/4"x1/4"	50x23x25	17.5





Pump model	Motor power (kW)	Capacity (Q)									
		m <sup>3</sup> /h	0	2.1	2.9	3.6	4.1	4.6	5.0	5.2	5.7
MHI 1100	1.1	l/min	0	34.5	49.0	60.0	68.0	76.0	83.0	87.0	95.0
		H(m)	45	38	32.8	27.8	22.6	17.3	12.3	8	0
		m <sup>3</sup> /h	0	2.3	3.2	3.8	4.4	4.9	5.4	5.6	5.7
MHI 1500 INOX	1.5	l/min	0	39.0	53.0	64.0	73.0	82.0	90.5	94.0	95.0
		H(m)	85	70.0	62.0	52.0	42.0	30.0	15.0	5.0	0.0
		m <sup>3</sup> /h	0	1.7	2.5	3.7	4.6	5.3	5.5	5.9	6.0
MHI 1300/INOX	1.3	l/min	0	29.0	42.2	62.0	76.0	88.0	92.0	98.0	100
		H(m)	55	50	45	35	24	13	9	3	0
		m <sup>3</sup> /h	0	2.4	3.8	5.6	6.8	7.9	8.9	9.0	
MHI 1800 INOX	1.8	l/min	0	40.0	64.0	94.0	114.0	132.0	148.0	150.0	
		H(m)	50	45.5	41.0	32.0	21.7	11.5	1.5	0	
		m <sup>3</sup> /h	0.0	3.3	5.0	6.1	7.0	7.9	8.7	9.0	9.6
MHI 2200/INOX	2.2	l/min	0.0	54.7	82.8	101.2	116.3	130.8	145.3	150.0	160.0
		H(m)	58.0	51.3	41.6	31.7	23.0	15.0	7.5	5.0	0.0
		m <sup>3</sup> /h	0.0	3.3	5.0	6.1	7.0	7.9	8.7	9.0	9.6

The manufacturer reserves the right to make design and colour changes to the product at any time. Photographs, drawings and diagrams are for illustrative purposes only. Verification of product parameters was carried out on a selected batch. Depending on the production batch, these parameters may vary. In order to verify the parameters of a particular batch, they must be checked on the nameplate of the unit. The specified parameters are obtained at the discharge outlet without taking into account external factors, e.g. resistance of the discharge and suction installation. The parameters were obtained under laboratory conditions. Under operating conditions there may be a difference +/- 10 %, from the values given on the nameplate of the specific unit. The maximum motor power quoted is the power given out at the motor shaft. Before installation, please check the nameplate specifications of the specific pump unit. Version 12/2021