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PRODUCT DATA SHEET
SUBMERSIBLE PUMPS

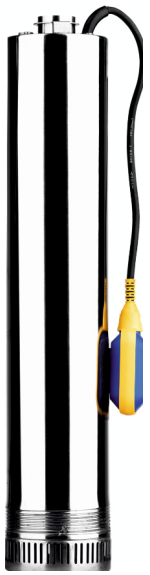
Omnigena

OMNITECH 5" series

OMNITECH's monobloc submersible pump is designed to pump clean, cold, fresh water from deep boreholes and other reservoirs.

FEATURES

- High pressure
- Cooling jacket so that it can be used for large diameter wells and large tanks
- Float controller which controls the pump depending on the water level in the tank
- All parts of the pump that come into contact with water are made of stainless materials
- Thermal protection built into the winding, which protects the motor against overheating



TECHNICAL DATA

Max. water temperature	35°C
Max. immersion depth	50 m
Working position	vertical
Length of power cable	15 m*
Max. number of starts	15/hour
Degree of protection	IP 68
Motor speed	2900 rpm
Insulation class	B

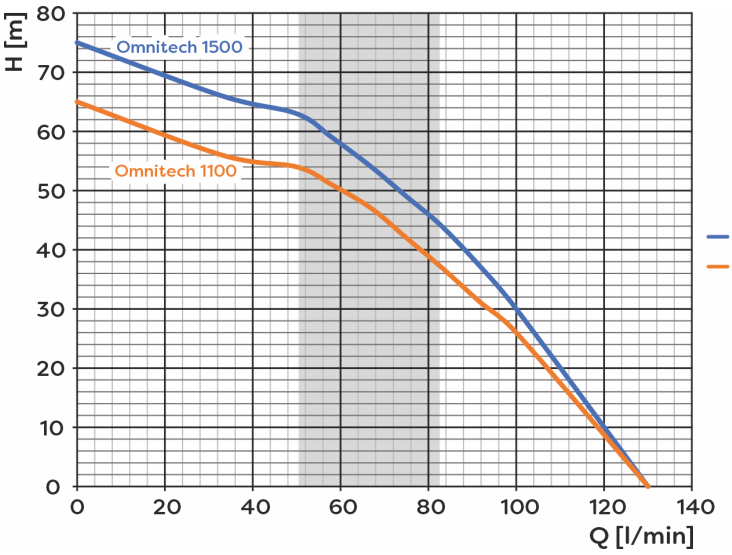
MATERIALS

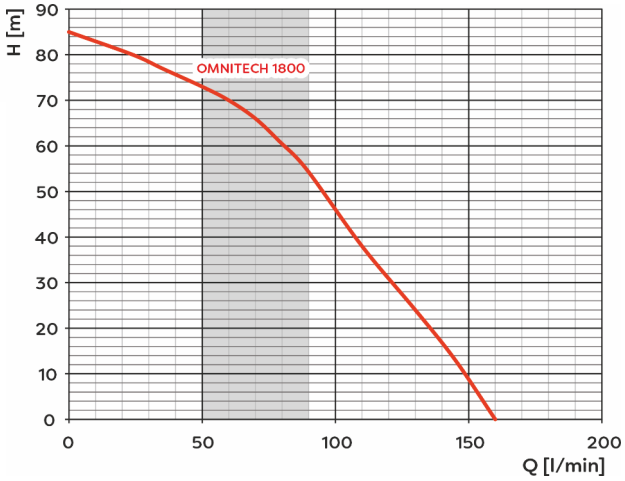
Pump housing	stainless steel
Discharge nozzle	stainless steel
Mechanical glands	silicon carbide/carbon
Rotors and diffusers	noryl
Pump shaft	stainless steel
Suction sieve	stainless steel

* Depending on individual requirements, we can attach an additional cable of the appropriate core diameter and length (multiples of 5m) to the factory cable using a hermetic connector. We provide a guarantee for the completed connector.

TABLE AND GRAPH OF PARAMETERS

Pump model	Q max Flow [l/min]	H max Head [m]	P Motor power [kW]	U Voltage [V]	I Current [A]	RP-Ø Output press [inch]	H Pump height [mm]	A Pump diameter [mm]	Weight Pumps [kg]
OMNITECH 1100-5"	130	65	1.1	230	7.5	1¼"	600	125	14.8
OMNITECH 1500-5"	130	75	1.5	230	8.6	1¼"	656	125	16.5
OMNITECH 1800-5"	160	85	1.5	230	9.2	1¼"	675	125	18





Pump model	Motor power (kW)	Folw (Q)									
	m³/h	0	2	3	3.5	4	4.5	5	5.5	6	7.8
	l/min	0	33	50	58	67	75	83	92	100	130
OMNITECH 1100	1.1	H(m)	65	56	54	51	47	42	37	31	26	0
OMNITECH 1500	1.5		75	66	63	59	54	49	44	37	30	0

Pump model	Motor power (kW)	Flow (Q)											
	m³/h	0	1.4	2.1	3	3.6	4.2	4.7	5.3	6.6	7.8	8.7	9.6
	l/min	0	24	35	50	60	70	79	89	110	130	145	160
OMNITECH 1800	1.5	H(m)	85	80	77	73	70	66	61	55	38	24	13	0

The manufacturer reserves the right to make design and colour changes to the product at any time without prior notice. 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. Before purchasing the product, please check the parameters of the specific unit on the nameplate. The specified parameters are obtained at the unit output without taking into account external factors, e.g. in pumps - resistance of the discharge and suction installation. The unit parameters were obtained under laboratory conditions. Under operating conditions, there may be a difference of +/- 10 % from that indicated on the nameplate of the individual unit. The maximum motor power quoted is the power output at the motor shaft. Before installation, please check the nameplate specifications of the individual pump. Version 05.2023