

PRODUCT DATA SHEET DRAINAGE PUMP



Omnigena

WQ 105-23-5.5 PREMIUM

The WQ 105-23-5.5 PREMIUM submersible pump is designed for pumping drainage water from excavations, rainwater, river, and process water, polluted with solids of organic and mineral origin. It can pump cold, fresh water with sediment, silt, sludge, or sand. The pump is a professional tool prepared to work in places such as: mines, quarries, coal mines, and sewage treatment plants. The pump, which bears the PREMIUM mark, is distinguished by the highest standard of workmanship using the best materials available on the market



FEATURES

- Adapted to the toughest working conditions
- Components made of high-quality stainless materials
- Reinforced semi-open impeller
- Cooling of the motor by means of the side channel flow of the pumped water - so that the **pump can pump water up to the level of the top edge of the suction cage**
- High hydraulic efficiency
- Double mechanical gland in the oil chamber
- Oil chamber for improved mechanical seal efficiency
- Enhanced motor sealing class allows the **pump to be submerged up to 25 m below the water surface**
- Discharge outlet located on the top cover to reduce its external dimensions
- Thermal protection



TECHNICAL DATA

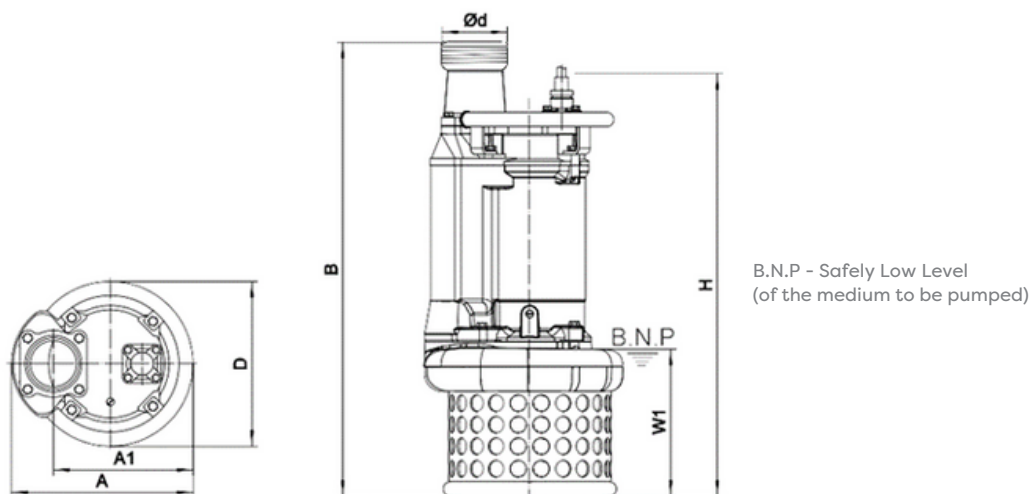
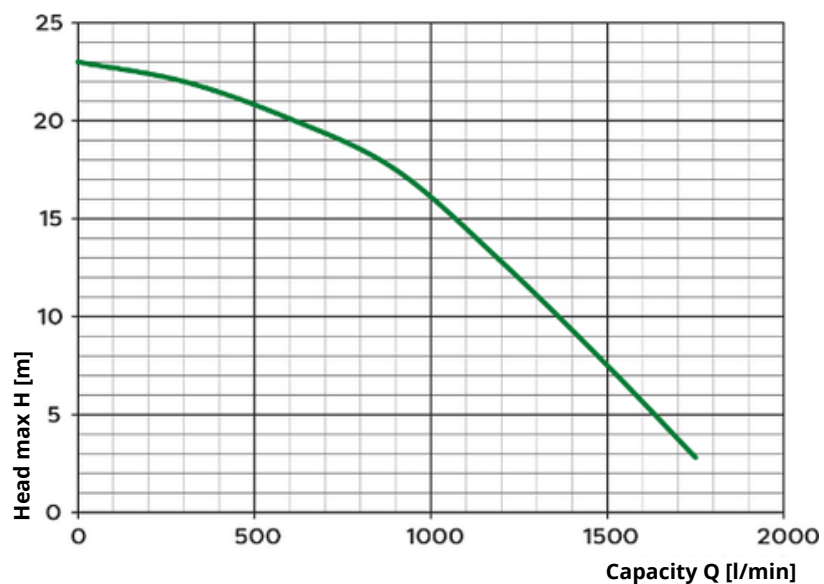
Max. water temperature	40°C
Max. immersion depth	25 m
Working position	vertical
Cable length	8 m
Max. contamination	8.5 mm
Degree of protection	IP 68
Insulation class	F

MATERIALS

Motor housing	cast iron
Rotor	chromium steel alloy + spheroidal cast iron
Pump casing	cast iron
Sieve	steel
Double mechanical gland	silicon carbide-silicon carbide /silicon carbide-silicon carbide

TABLE AND PARAMETER CHARTS

Pump model	$Q_{\max}$ Performance [l/min].	$H_{\max}$ Head max [m]	P Motor power [W]	U Voltage [V]	I Current [A]	RP-Ød Output press [inch]	Weight with/without packaging [kg]
WQ 105-23-5.5 PREMIUM	1750	23	5.5	400	11.4	GZ 4"	84/77



Dimension	H	A	A1	B	D	W1
Value [mm]	590	283	208	686	252	150

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 equipment 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 11/2022