

## PRODUCT DATA SHEET DRINKING WATER PUMPS



# Omnigena

### OMIS 50 series

The OMIS series pump is designed for pumping, pressurising and forcing circulation in drinking water systems. Thanks to its resistance to high temperatures, OMIS may be used, for example, in a solar heating system where it will ensure adequate circulation of the medium.

The pump must not be operated in water circuits or circuits with glycol solution where there are solid contaminants, e.g. pieces of rust, limescale, and the temperature of the medium exceeds 120°C or is below 5°C.

#### FEATURES

- **PZH approval**
- Low power consumption
- Constant speed
- Resistance to a 50/50 water/glycol solution
- Heat resistance
- Robust and durable construction
- Simple and quick installation
- Easy operation
- Installation kit - screws, flanges, gaskets
- Cable with plug (\*)



#### MATERIALS

Pump casing	cast iron
Motor housing	aluminium
Rotor	PPO
Pump shaft	ceramics
Plain bearing	ceramics

#### TECHNICAL DATA

Medium temperature range	5°C ÷ 120°C
Ambient temperature during operation	0°C ÷ 40°C
Max. system pressure	10 bar
Max. motor speed	2850 rpm
Degree of protection	IP 44
Insulation class	H

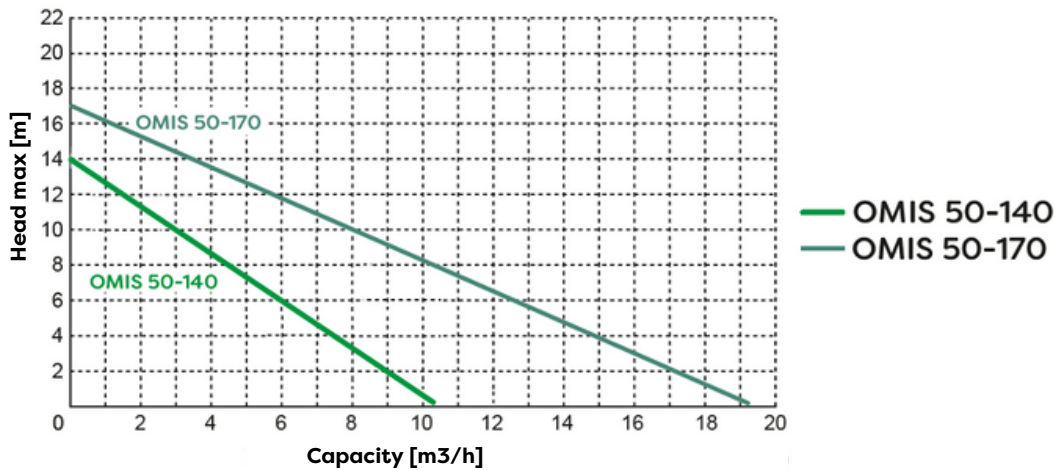
(\*) depending on series

## TABLE OF PARAMETERS

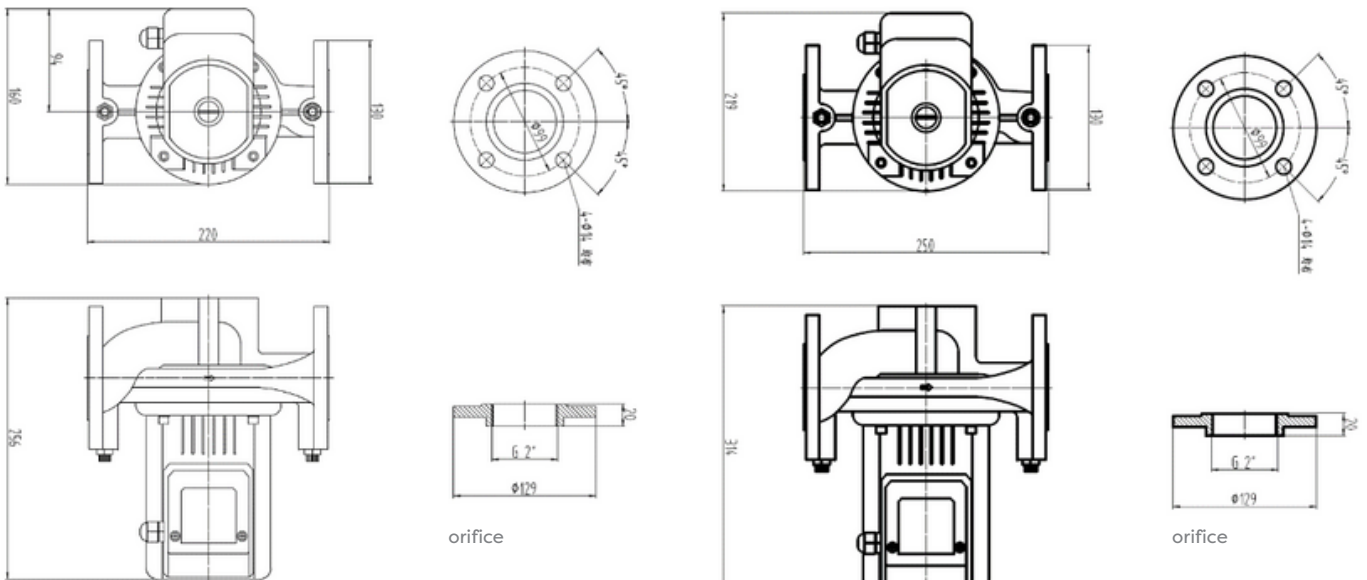
Pump model	Q max Performance [l/min].	H max Head max [m]	P max Motor power [kW]	U Voltage [V]	I max Current [A]	Dimensions Packaging [cm]	Weight Pumps [kg]	Weight with packaging [kg]
OMIS 50-	170	14	550	230	2.4	25.5 x 19.5 x 28	9.6	12.2
140 OMIS	320	17	750	230	6.53	28.5 x 22.5 x 32.5	13.9	16.5

50-170

## CHARTS



## DIMENSIONAL DRAWING



OMIS 50-140

OMIS 50-170

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, check the nameplate specifications of the specific pump unit. Version 01.2022