

PRODUCT DATA SHEET CIRCULATION PUMPS



Omnigena

OMEGA 2 series

The OMEGA 2 series pump is designed to circulate a medium in central heating systems. OMEGA 2 is suitable for operation in installations both with constant and variable flow rates (e.g. reduction of the setting at night). The pump's auto-adaptive features allow it to optimally adapt its operating parameters to the conditions and current needs resulting from the current heat demand.

FEATURES

- High energy efficiency - reduces energy costs
- Intuitive control panel
- Several types of pressure and speed control
- Automatic selection of characteristics to working conditions
- Resistant to a 50/50 water/glycol solution
- Economical night mode
- Very quiet operation
- Standard mounting connection size
- Cable with plug

EEI≤0.20



MATERIALS

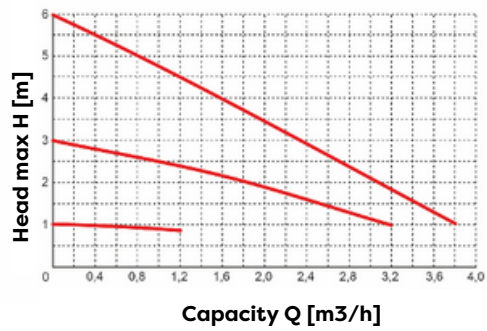
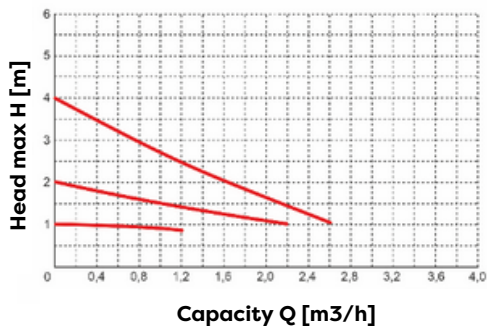
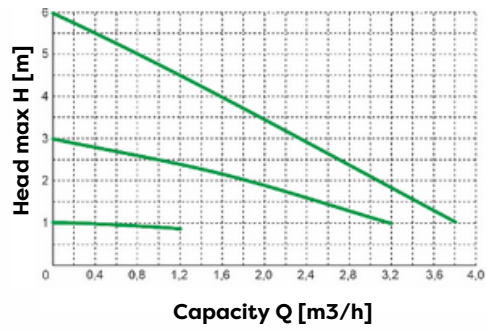
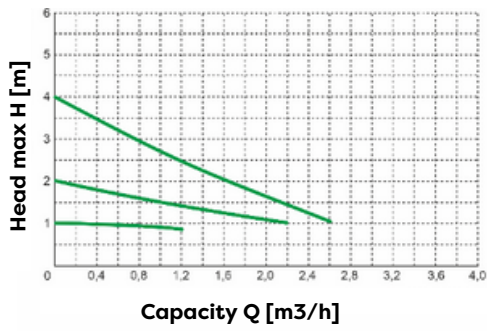
Pump casing	cast iron
Motor housing	aluminium
Rotor	noryl/PPS
Pump shaft	ceramics

TECHNICAL DATA

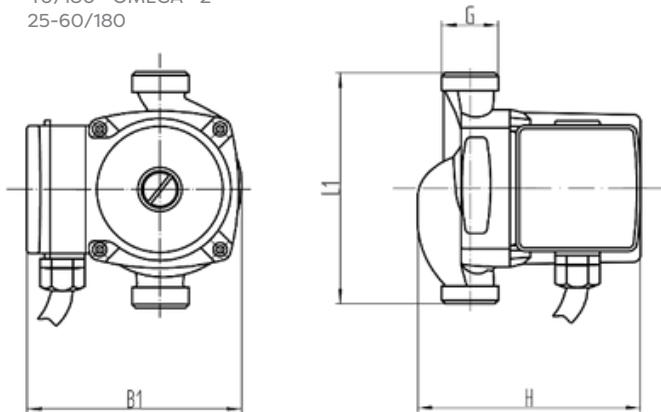
Medium temperature range.	5°C ÷ 110°C
Ambient temperature during operation	0°C ÷ 40°C
Max. system pressure	10 bar
Max. motor speed	2850 rpm
Cable length	1,1 m
Sound pressure	<53 dB
Degree of protection	IP 44
Insulation class	F

TABLE AND GRAPH OF PARAMETERS

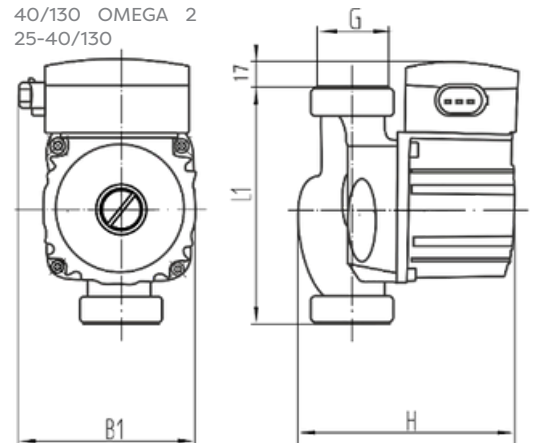
Pump model	H max Head max [m]	P max Motor power [kW]	U Voltage [V]	I max Current [A]	Dimensions Packaging [cm]	Weight Pumps [kg]	Weight with packaging [kg]
OMEGA2 25-40] 4] 22	230	0.10	20.5x15x13	2.4	3
OMEGA2 25-60	6	45	230	0.19	20.5x15x13	2.4	3
OMEGA2 32-40	4	22	230	0.10	20.5x15x13	2.5	3.5
OMEGA2 32-60	6	45	230	0.19	20.5x15x13	2.5	3.5



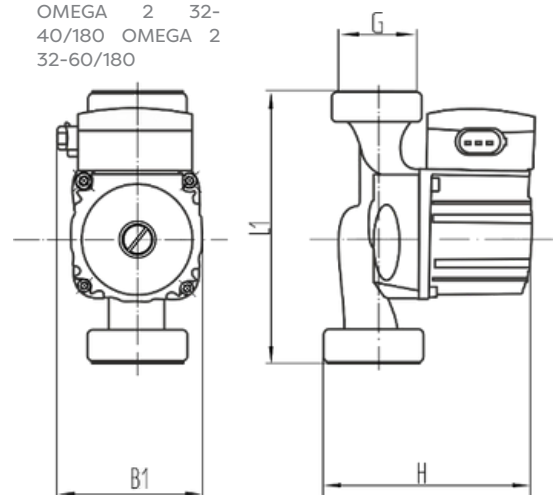
OMEGA 2 25-40/180 OMEGA 2 25-60/180



OMEGA 2 25-40/130 OMEGA 2 25-60/130



OMEGA 2 32-40/180 OMEGA 2 32-60/180



Model	B1 [mm].	H [mm].	L1 [mm].	G [mm].
OMEGA2 25-40	110 127	127 130	130 180	1½"
OMEGA2 25-60	110 127	127 130	130 180	1½"
OMEGA2 32-40	110	133	180	2"
OMEGA2 32-60	110	133	180	2"

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 04.2021