

PRODUCT DATA SHEET SUBMERSIBLE PUMPS



Omnigena

SKM PREMIUM series

SKM **PREMIUM** submersible pumps with peripheral hydraulics are designed for pumping clean, cold, fresh water from deep boreholes and other reservoirs. Pumps bearing the **PREMIUM** mark are distinguished by the highest standard of workmanship using the best materials available on the market.

FEATURES

- Monoblock construction
- **High pumping pressure**
- Can be installed in a well pipe with a small inner diameter (from 115 mm), significantly reducing investment costs
- All parts of the pump that come into contact with water are made of stainless materials
- Thermal protection built into the motor (WK model)
- 15 metre*, 3-core plug-in power cable for the model with built-in capacitor (WK) and 4-core cable for the model with external capacitor in the junction box



TECHNICAL DATA

Max. water temperature	35°C
Max. immersion depth	50 m
Working position	vertical
Length of power cable	15 m*
Min. cooling flow	0.08 m/s
Max. number of starts	20/hour
Degree of protection	IP 68
Permissible voltage differential	-8% /+6%
Motor speed	2850 rpm
Insulation class	B

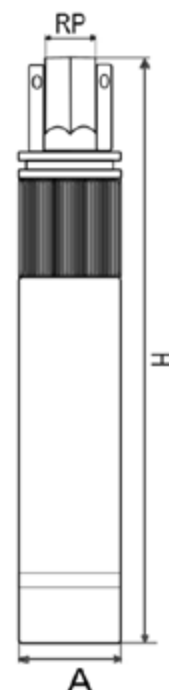
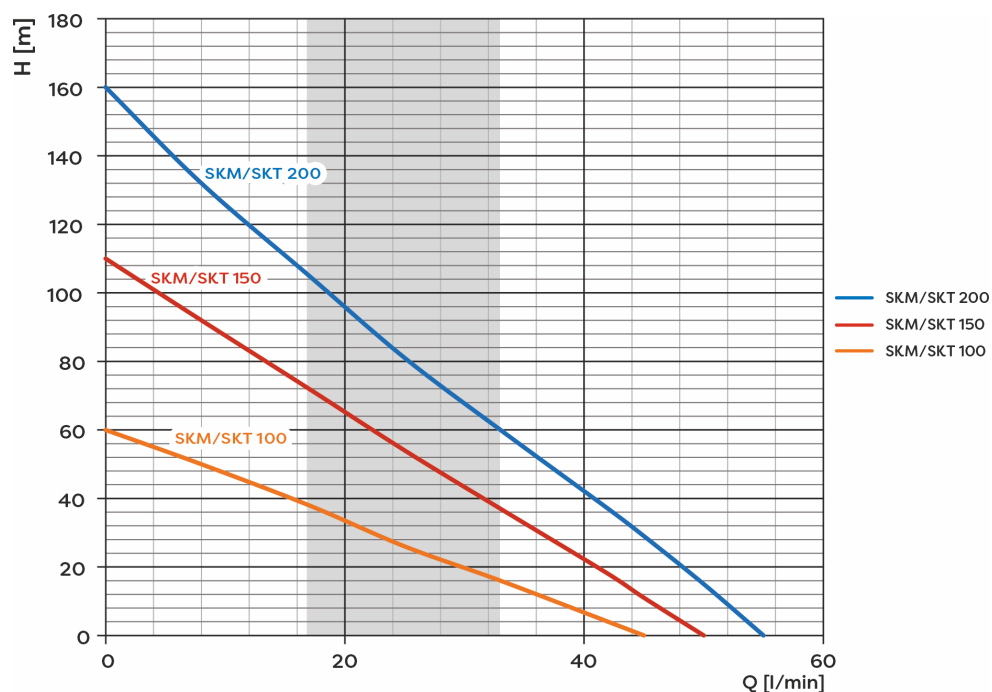
MATERIALS

Motor housing	stainless steel
Pressure/suction outlet	brass
Mechanical gland	ceramic/carbon
Rotors	brass
Pump shaft	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 Discharge outlet [inch]	H Pump height [mm]	A Pump diameter [mm]	Weight Pumps [kg]
4"SKM 100 ECONOMIC	45	60	0.75	230	6	1"	485	95	12.5
4"SKM 100 ECONOMIC WK model	45	60	0.75	230	6	1"	500	95	14.3
4"SKM 150 ECONOMIC	50	110	1.1	230	8.6	1"	552	95	15.3
4"SKM 150 ECONOMIC WK model	50	110	1.1	230	8.6	1"	580	95	17
4"SKM 200 ECONOMIC	55	160	1.5	230	11.5	1"	606	95	18.3
4"SKM 200 ECONOMIC WK model	55	160	1.5	230	11.5	1"	630	95	19



Pump model	Motor power (kW)	Flow (Q)									
		m³/h	0	0.5	1.0	1.5	2.0	2.5	2.7	3.0	3.3
		l/min	0	8	17	25	33	42	45	50	55
SKM 100 PREMIUM	0.75	H(m)	60	50	38	26	16	4	0	-	-
SKM 150 PREMIUM	1.1		110	92	72	54	37	18	11	0	-
SKM 200 PREMIUM	1.5		160	132	105	81	60	37	29	15	0

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 nameplate value of the specific unit. The maximum motor power indicated on the nameplate is the power output at the motor shaft. Version 04.2023