

PRODUCT DATA SHEET SUBMERSIBLE PUMPS



Omnigena

SKT PREMIUM Series

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

FEATURES

- Monoblock construction
- **Three-phase** power supply
- **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
- 15 metre*, four-wire power cable



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

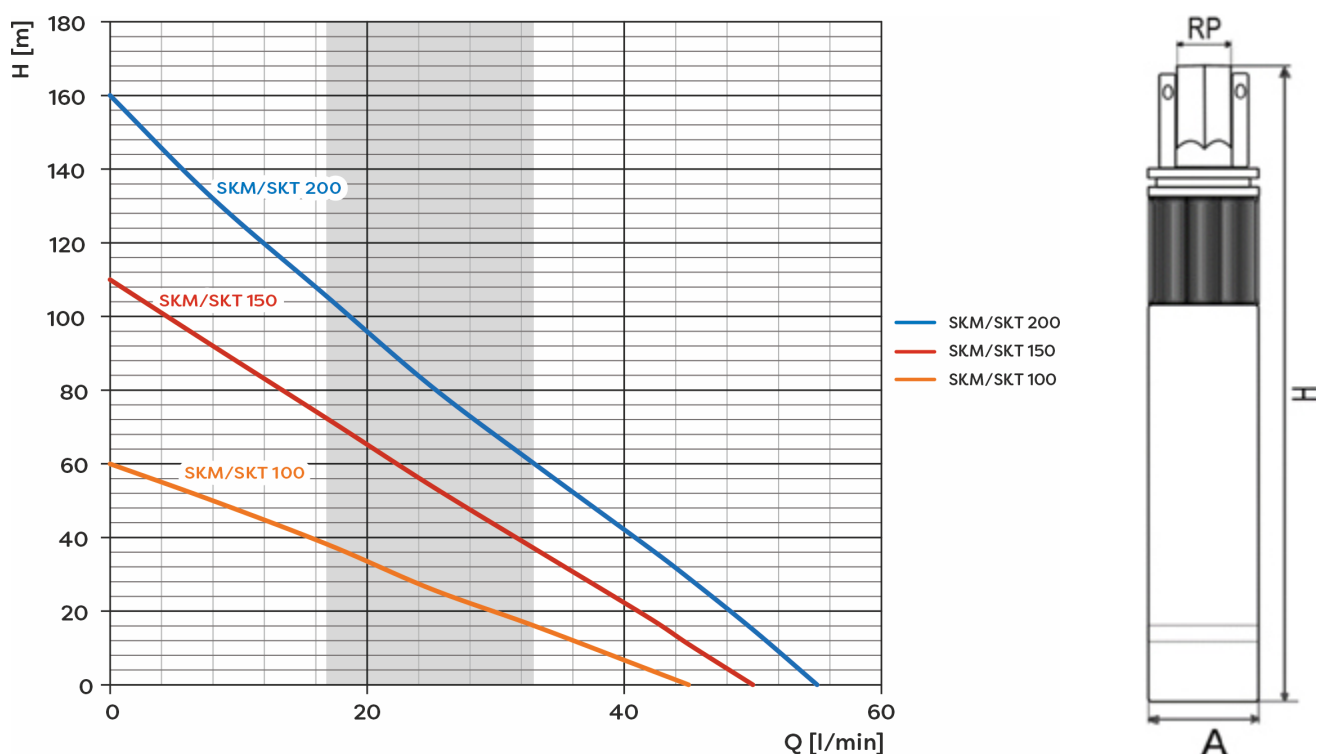
MATERIALS

Motor housing	stainless steel
Pressure/suction outlet	brass
Mechanical gland	silicon carbide/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"SKT 100 PREMIUM	45	60	0.75	400	2.8	1"	490	95	12
4"SKT 150 PREMIUM	50	110	1.1	400	4.1	1"	550	95	15
4"SKT 200 PREMIUM	55	160	1.5	400	5.6	1"	610	95	18.5



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
SKT 100 PREMIUM	0.75	H(m)	60	50	38	26	16	4	0	-	-
SKT 150 PREMIUM	1.1		110	92	72	54	37	18	11	0	-
SKT 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