

Qty. Description

1 **SP 5A-85**



Note! Product picture may differ from actual product

Product No.: [5301985](#)

Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horizontally. All steel components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resistance. This pump carries drinking water approval.

The pump is fitted with a 7.5 kW MS6000 motor with sand shield, mechanical shaft seal, water-lubricated journal bearings and a volume compensating diaphragm. The motor is a canned type submersible motor offering good mechanical stability and high efficiency. Suitable for temperatures up to 40 °C.

The motor is fitted with the Grundfos Tempcon sensor that, by use of powerline communication together with a MP204 control panel, enables temperature monitoring.

The motor is for direct-on-line starting (DOL).

Liquid:

Pumped liquid:	Water
Liquid max temp:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³

Technical:

Pump speed on which pump data are based:	2900 rpm
Rated flow:	5 m ³ /h
Rated head:	347 m
Shaft seal for motor:	CER/CARNBR
Approvals on nameplate:	CE,GOST2
Curve tolerance:	ISO9906:2012 3B
Motor version:	T40
Specification for shaft end:	CYLINDRICAL

Materials:

Pump:	Stainless steel EN 1.4301 AISI 304
Impeller:	Stainless steel EN 1.4301 AISI 304
Motor:	Stainless steel DIN W.-Nr. 1.4301 AISI 304

Installation:

Pump outlet:	R1 1/2
Motor diameter:	6 inch

Electrical data:

Motor type:	MS6000
Rated power - P2:	7.5 kW



Company name:

Created by:

Phone:

Date:

08/08/2022

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1	Power (P2) required by pump:	7.5 kW
	Mains frequency:	50 Hz
	Rated voltage:	3 x 380-400-415 V
	Rated current:	17.8-17.2-17.2 A
	Starting current:	460-510-530 %
	Cos phi - power factor:	0.84-0.82-0.79
	Rated speed:	2850-2870-2880 rpm
	Start. method:	direct-on-line
	Enclosure class (IEC 34-5):	IP68
	Insulation class (IEC 85):	F
	Built-in temp. transmitter:	yes
	Motor No:	78195512
	Windings:	Enamelled
	Others:	
	Minimum efficiency index, MEI ≥:	0.50
	ErP status:	EuP Standalone/Prod.
	Net weight:	91.8 kg
	Gross weight:	122 kg
	Shipping volume:	0.35 m ³