

De			Date:	10/11/2020
	escription			
SF	P 77-1			
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Da		Note! Product pi	cture may differ from a	ictual product
Pr	oduct No.: 16A01901			
Su	ubmersible borehole pump, suitat	le for pumping	clean water. Can	be installed vertically or horizontally. All st
co	mponents are made in stainless	steel, EN 1.430	01 (AISI 304), that	be installed vertically or horizontally. All st ensures high corrosive resistance. This pu
	rries drinking water approval.	S6000 motor w	ith condichield m	echanical shaft seal, water-lubricated jourr
be	arings and a volume compensati	ng diaphragm.	The motor is a car	nned type submersible motor offering good
me	echanical stability and high efficie	ncy. Suitable f	or temperatures up	o to 40 °C.
Th	ne motor is fitted with the Grundfo	s Tempcon se	nsor that, by use o	f powerline communication together with a
	P204 control panel, enables temp		bring.	
111	ne motor is for direct-on-line starti	ng (DOL).		
Fι	urther product details			
	he pump is suitable for application	is similar to the	e followina:	
	- raw-water supply		0	
	- irrigation			
	- groundwater lowering			
	 pressure boosting fountain applications. 			
	ump			
Pı				
		ct with pumped	l liquids are made	in stainless steel which makes them corro
All an	I pump surfaces that are in contain d wear-resistant. The corrosion of	liagram below	shows the capabili	in stainless steel which makes them corror ties of the pump and motor in relation to the
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All an	I pump surfaces that are in conta d wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentration	shows the capabili	ties of the pump and motor in relation to the
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All an ter 100 90 80	I pump surfaces that are in contain d wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentration	shows the capabili	ties of the pump and motor in relation to th pm (x-axis).
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All an ter 90 80 70	I pump surfaces that are in contain of wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentral	shows the capabili	ties of the pump and motor in relation to th pm (x-axis).
All an ter 100 90 80 70 60	I pump surfaces that are in contain of wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentration 100 90 90 90 90 90 90 90 90 90 90 90 90 9	shows the capabili	ties of the pump and motor in relation to th pm (x-axis).
All an 100 90 80 70 60 50	I pump surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and EN14	liagram below the concentral	shows the capabili	ties of the pump and motor in relation to th pm (x-axis).
All an 100 90 80 70 60 50 40 30 20	I pump surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and EN14	liagram below the concentra	shows the capabili	ties of the pump and motor in relation to th pm (x-axis).
All an 100 90 80 70 60 50 40 30 20 10	I pump surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and EN14	liagram below the concentration in the concentratio	shows the capabili	ties of the pump and motor in relation to th pm (x-axis).
All an 100 90 80 70 60 50 40 30 20	I pump surfaces that are in contained wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentra	shows the capabili tion of chloride in p	ties of the pump and motor in relation to the pump (x-axis).
All and 90 90 80 70 60 50 40 30 20 10 0	Depunds surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and EN14	liagram below the concentration below the concentration the	shows the capabilition of chloride in p	ties of the pump and motor in relation to the pum (x-axis).
All and 90 80 70 60 50 40 30 20 10 0 8 Th	Pump surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and EN14	liagram below the concentration below the concentration the	shows the capabilition of chloride in p	ties of the pump and motor in relation to the pump (x-axis).
All and the second seco	Pump surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentration below the concentration the	shows the capabilition of chloride in p	ties of the pump and motor in relation to the pum (x-axis).
All and ter 100 90 80 70 60 50 40 30 20 10 70 10 10 10 10 10 10 10 10 10 10 10 10 10	Pump surfaces that are in contained wear-resistant. The corrosion of mperature in Celsius (y-axis) and the corrosion of the correspondence of the correspo	liagram below the concentration below the concentration the	shows the capabilition of chloride in p 4000 6000 8000 12000 R (Nitrile-Butadiene high content of hyd perature-resistant	ties of the pump and motor in relation to the provide the pump and motor in relation to the provide the provided the provi
All an ter 100 90 80 70 60 50 40 30 20 10 0 Th research In rule Th	Lipump surfaces that are in contact d wear-resistant. The corrosion of mperature in Celsius (y-axis) and	liagram below the concentration the concentratio	shows the capabilition of chloride in p 4000 6000 8000 12000 R (Nitrile-Butadiene high content of hyd perature-resistant nd flush channels t	ties of the pump and motor in relation to the pum (x-axis).



10/11/2020

Qty. | Description

The suction interconnector is fitted with a strainer to prevent large particles from entering the pump. The suction interconnector is designed to comply with NEMA standards for motor mounting/dimensions.

Date:

Motor

The stator is hermetically encapsulated in stainless steel and the windings are embedded in polymer compound. This results in high mechanical stability, optimum cooling and reduces the risk of short circuits in the windings.

The shaft seal faces are ceramic/carbon. The material combination provides good dry-running resistance. Together with the shaft seal housing, the sand shield forms a labyrinth seal, which during normal operating conditions prevents penetration of sand particles into the shaft seal.

The motor is fitted with the Grundfos Tempcon temperature sensor device that includes a NTC-resistor which senses the temperature. The resistor is built-in close to the winding. The temperature is converted into a high-frequency signal which is sent via the submersible drop cable and which can be converted into a temperature reading by means of Grundfos MP204.

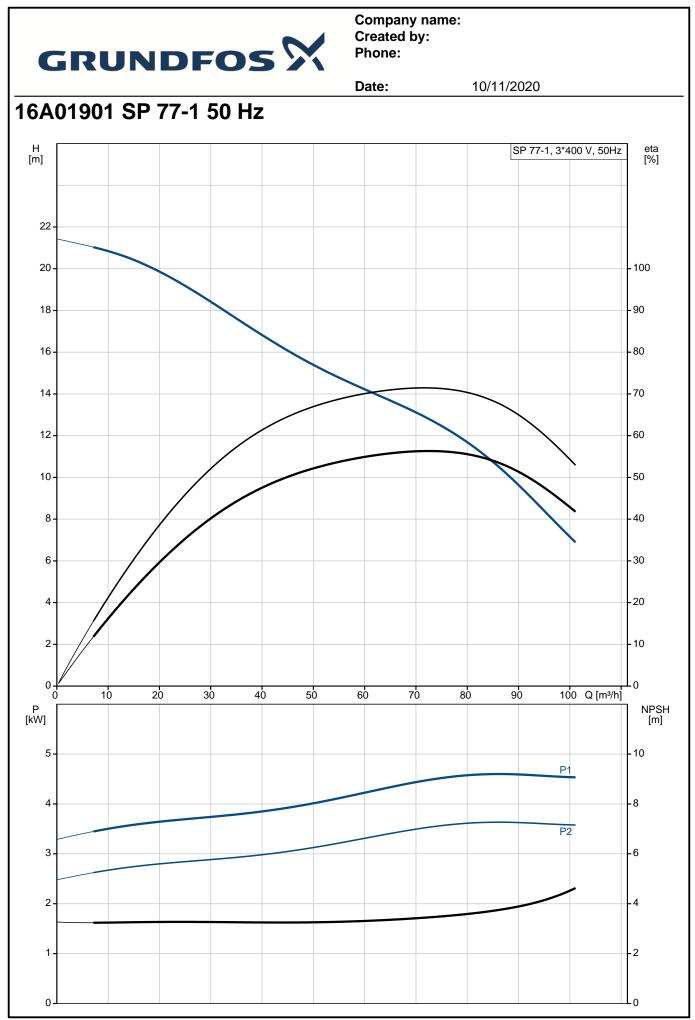
The MP204 is an electronic motor protection device that also monitors the supply network quality to protect the submersible motor against supply network disturbances.



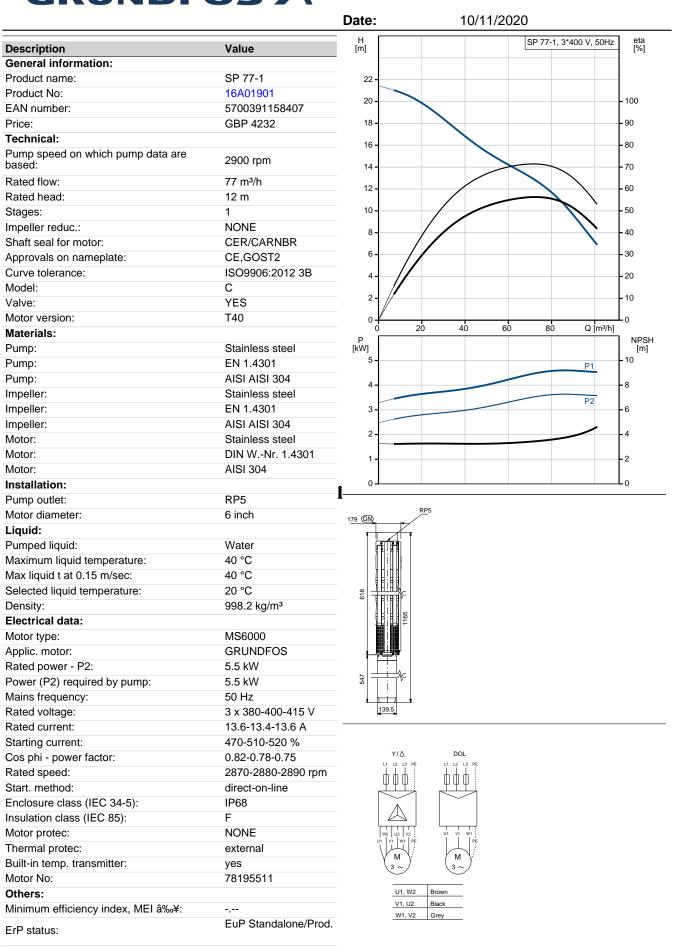
Liquid: Pumped liquid: Maximum liquid temperature: Max liquid t at 0.15 m/sec: Selected liquid temperature: Density:	Water 40 °C 40 °C 20 °C 998.2 kg/m³
Technical: Pump speed on which pump dat Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate: Curve tolerance: Motor version:	a are based: 2900 rpm 77 m ³ /h 12 m CER/CARNBR CE,GOST2 ISO9906:2012 3B T40
Materials: Pump: Impeller: Motor:	Stainless steel EN 1.4301 AISI AISI 304 Stainless steel EN 1.4301 AISI AISI 304 Stainless steel DIN WNr. 1.4301 AISI 304
Installation: Pump outlet: Motor diameter: Electrical data:	RP5 6 inch
Motor type:	MS6000



GRUNDFO		Date:	10/11/2020	
Description				
 Rated power - P2:	5.5 kW			
Power (P2) required by pump:	5.5 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-400-415 V			
Rated current:	13.6-13.4-13.6 A			
Starting current:	470-510-520 %			
Cos phi - power factor:	0.82-0.78-0.75			
Rated speed:	2870-2880-2890 rpm			
Start. method:	direct-on-line			
Enclosure class (IEC 34-5):	IP68			
	F			
Insulation class (IEC 85):				
Built-in temp. transmitter:	yes			
Motor No:	78195511			
Others:				
Minimum efficiency index, MEI á	à‰¥∙			
ErP status:	EuP Standalone/Proc	4		
Net weight:	59.6 kg			
Gross weight:				
	83.9 kg			
Shipping volume:	0.179 m ³			
Danish VVS No.:	388344310			
Finnish LVI No.:	4762763			
Country of origin:	GB			
Custom tariff no.:	84137029			

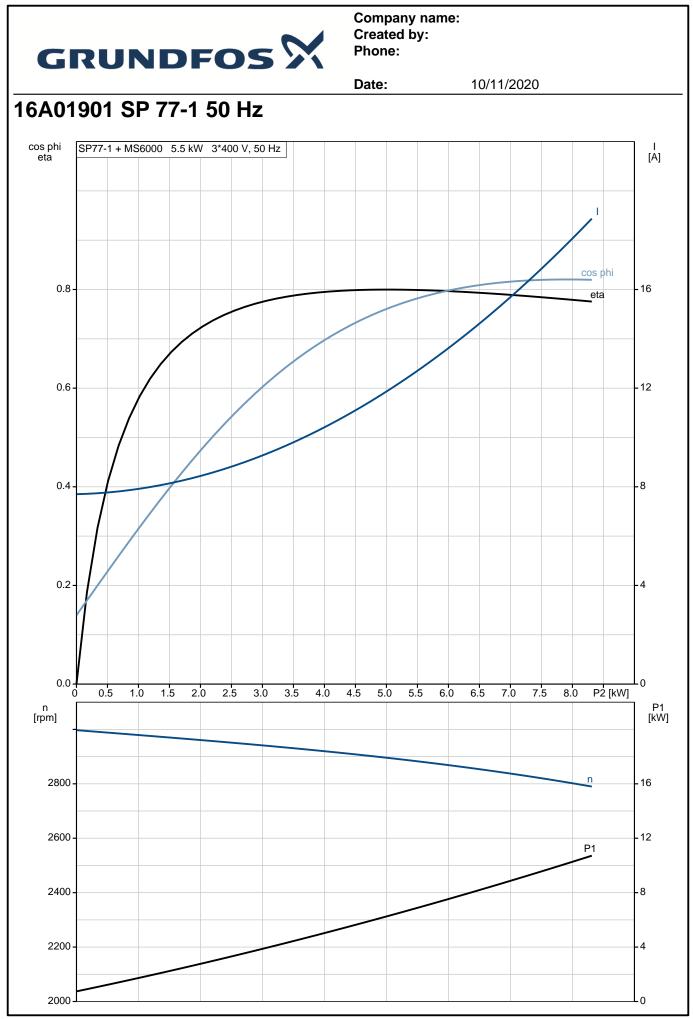


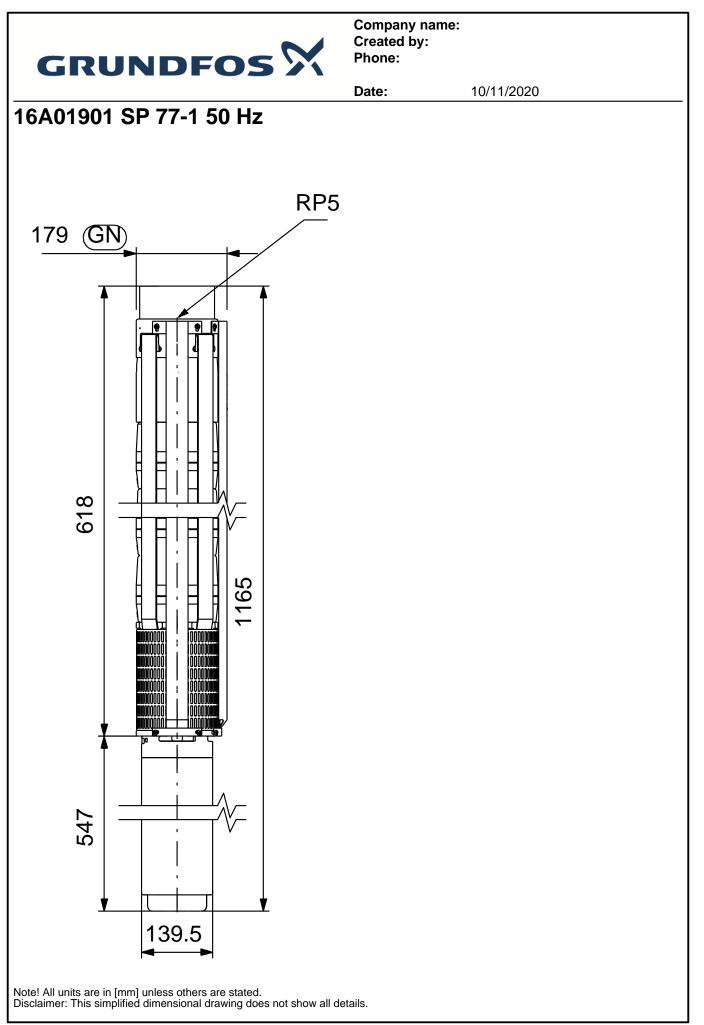


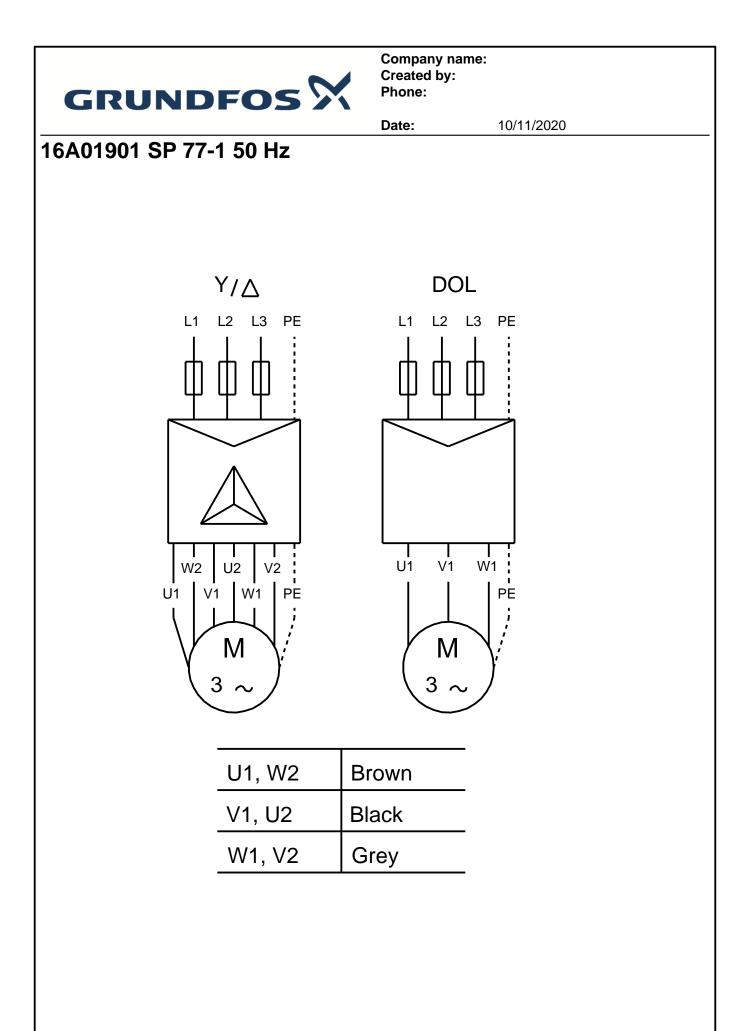




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Note! All units are in [mm] unless others are stated.