	GRUNDFOS 🕅	Company n Created by: Phone:					
		Date:	10/11/2020				
	Description						
	SP 77-22						
	Note! Product picture Product No.: 16A04322	may differ from ac	ctual product				
Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horiz components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resist carries drinking water approval.							
	The pump is fitted with a 92 kW MMS8000 motor with compensating diaphragm. The rewindable motor contri rewinding. The stator windings are PE/PA insulated m temperatures up to 50 °C. The motor is fitted with a m	complete access to the windings for easy ous operations (S1). Suitable for seal.					
	The motor is not fitted with a temperature sensor. If te can be fitted. The motor is for direct-on-line starting (DOL).	mperature mon	itoling is desired, a FITOD OF FITODO Selisor				
	Further product details The pump is suitable for applications similar to the foll	owina:					
	- raw-water supply						
- irrigation							
	 groundwater lowering pressure boosting 						
	- fountain applications.						
	Pump						
	All pump surfaces that are in contact with pumped liquand wear-resistant. The corrosion diagram below show temperature in Celsius (y-axis) and the concentration	ies of the pump and motor in relation to the					
	100 - EN 1.4301 100 -		EN 1.4301				
	90 - 90 -						
	80 - 80 -						
	70 70						
	60						
	50 - 50 -						
	40 - 40 -						
	30 - 20 - 20 -						
	10 - 10 -						
	0 200 400 600 800 1000 1200 1400 1600 1800 2000 0 2000 4000	6000 8000 12000	16000 20000				
	The elastomer parts in the pump are made of NBR (N	itrila-Rutadiana	Rubber) which ansures good woor				
	resistance and long service intervals.		Trabbel which ensures your wear				
	In case the pump is used for pumping water with high	content of hvdr	rocarbons or solvents, Grundfos offers FKM				
	rubber parts (Fluorocarbon) which are oil and tempera	ture-resistant u	up to 90 °C.				



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Qty. Description The pump is built with octagonal bearings with sand flush channels that minimise wear. As wear of the pump is inevitable, the pump design allows for easy replacement of all internal wear parts (bearings, impeller, wear rings and seal rings) to maintain high performance and a long lifetime. 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. Motor The winding wire is made from pure electrolytic cobber insulated by extruded two layers of PE/PA with high dielectric strength properties allowing direct contact between the motor fluid and winding wire. This ensures the best possible cooling of the winding wire. The PA layer ensures high mechanical wear properties of the winding wire. The shaft seal faces are SiC/SiC. The material combination gives good performance when abrasive particles (sand) is present. 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. This shaft seal is drinking water approved. The motor can be fitted with a Pt100 or Pt1000 sensor that together with a control unit ensures that the maximum operating temperature conditions are not exceeded. Liquid: Pumped liquid: Water Maximum liquid temperature: 45 °C Max liquid t at 0.15 m/sec: 40 °C Max liquid t at 0.5 m/sec: 45 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m3 Technical: Pump speed on which pump data are based: 2900 rpm Rated flow: 77 m³/h Rated head: 271 m Shaft seal for motor: SIC/SIC Curve tolerance: ISO9906:2012 3B Motor version: T45 Materials: Stainless steel Pump:

Installation: RP5 Pump outlet: Motor diameter: 8 inch Electrical data: MMS8000 Motor type: Rated power - P2: 92 kW Power (P2) required by pump: 92 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-400-415 V Rated current: 194-186-186 A Starting current: 520-590-620 % Cos phi - power factor: 0.88-0.86-0.83 Rated speed: 2870-2890-2890 rpm Start. method: direct-on-line

EN 1.4301 AISI AISI 304

Cast iron

Stainless steel EN 1.4301 AISI AISI 304

DIN W.-Nr. 0.6025 ASTM 35-40

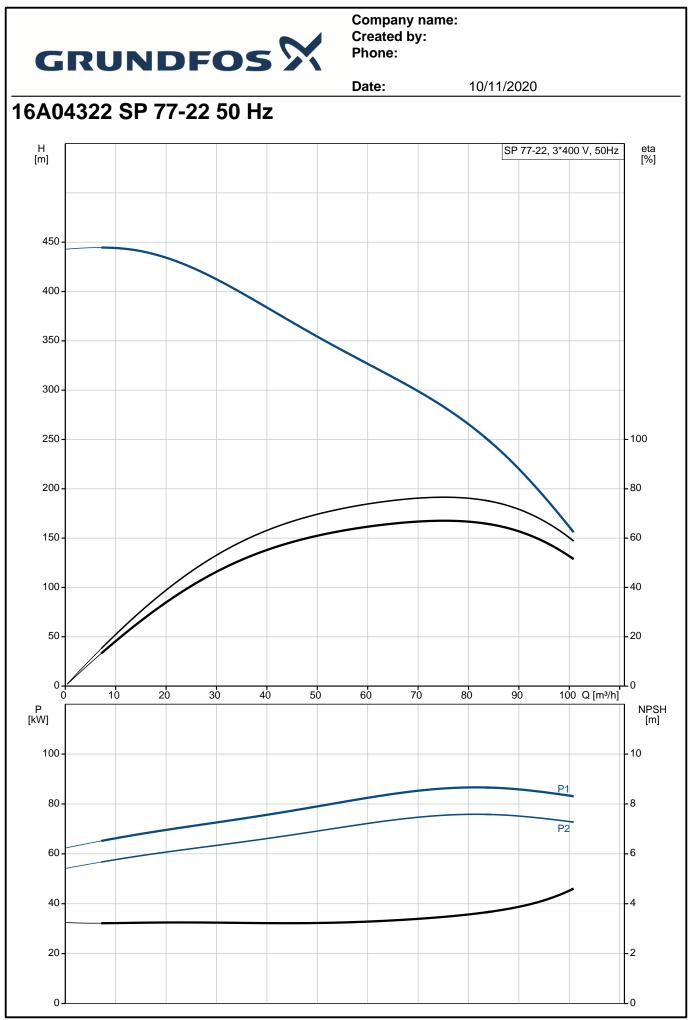
Impeller:

Motor:



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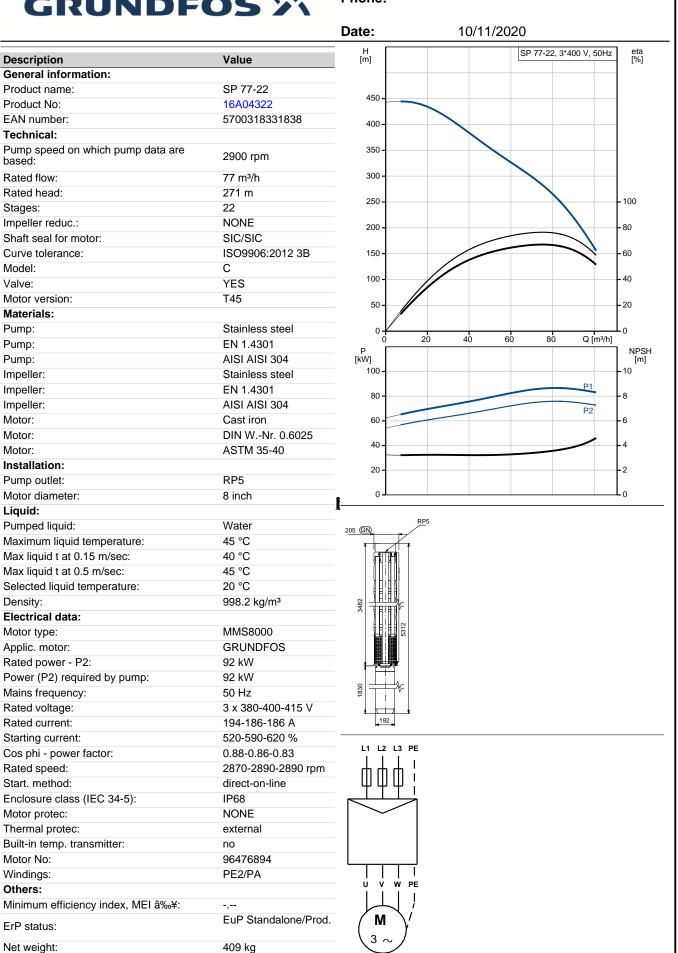
C			Date:	10/11/2020	
[Description				
E	Enclosure class (IEC 34-5): Built-in temp. transmitter: Motor No: Windings:	IP68 no 96476894 PE2/PA			
	-	1			
	Others: Minimum efficiency index, MEI	ô%.¥•			
	ErP status:	EuP Standalone/l	Prod.		
1	Net weight:	409 kg			
(Gross weight:	510 kg			
	Shipping volume: Country of origin:	0.855 m³ DK			
	Custom tariff no.:	84137029			
1					



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Company name: Created by: Phone:

		Date:	10/11/2020
Description Value			
Gross weight:	510 kg	-	
Shipping volume:	0.855 m³		
Country of origin:	DK		
Custom tariff no.:	84137029		

