GRUNDFOS 🗙	Compan Created Phone:	•					
	Date:	10/11/	2020				
Description							
SP 160-10							
Note! Product picture	may differ fro	m actual product					
Product No.: 20064310							
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 132 kW MMS10000 motor w volume compensating diaphragm. The rewindable mo easy rewinding. The stator windings are PE/PA insulatemperatures up to 50 °C. The motor is fitted with a m The motor is not fitted with a temperature sensor. If te can be fitted. The motor is for direct-on-line starting (DOL).	tor contruct ted made fo echanical sl	on allows complet r continous operat naft seal.	e áccess to the windings for tions (S1). Suitable for				
Further product details The pump is suitable for applications similar to the foll - raw-water supply - irrigation - groundwater lowering - pressure boosting	owing:						
- fountain applications.							
<b>Pump</b> All pump surfaces that are in contact with pumped liquids are made in stainless steel which makes them corrosion- and wear-resistant. The corrosion diagram below shows the capabilities of the pump and motor in relation to the temperature in Celsius (y-axis) and the concentration of chloride in ppm (x-axis).							
100 - EN 1.4301 100 -		EN 1.4301					
90 - 90 -							
80 - 80 - 70 - 70 - 70 - 70 - 70 - 70 -							
60 - 60							
50 - 50 -							
40 40							
30 - 30 -							
20 - 20 -							
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 resistance and long service intervals.			-				
In case the pump is used for pumping water with high rubber parts (Fluorocarbon) which are oil and tempera	content of h ture-resista	ydrocarbons or sont up to 90 °C.	olvents, Grundfos offers FKM				



Company name: Created by: Phone:

Date:

## 10/11/2020

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у.	Description						
	inevitable, the pump design allo	al bearings with sand flush channels that minimise wear. As wear of the pump is ows for easy replacement of all internal wear parts (bearings, impeller, wear rings a performance and a long lifetime.					
	The suction interconnector is fit	ted with a strainer to prevent large particles from entering the pump.					
	Matar						
	dielectric strength properties all	pure electrolytic cobber insulated by extruded two layers of PE/PA with high owing direct contact between the motor fluid and winding wire. This ensures the ding wire. The PA layer ensures high mechanical wear properties of the winding					
	(sand) is present. Together with	C. The material combination gives good performance when abrasive particles in the shaft seal housing, the sand shield forms a labyrinth seal, which during normal penetration of sand particles into the shaft seal. This shaft seal is drinking water					
	The motor can be fitted with a P operating temperature condition	Pt100 or Pt1000 sensor that together with a control unit ensures that the maximum ns 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:	45°C					
	Density:	20°C 998.2 kg/m <sup>3</sup>					
	Density.	330.2 Nyitit					
	Technical:						
	Pump speed on which pump da	ata are based: 2900 rpm					
	Rated flow:	160 m³/h					
	Rated head:	203 m					
	Shaft seal for motor:	SIC/SIC					
	Curve tolerance:	ISO9906:2012 3B					
	Motor version:	T45					
	Materials:						
	Pump:	Stainless steel EN 1.4301 AISI AISI 304					
	Impeller:	Stainless steel EN 1.4301 AISI AISI 304					
	Motor:	Cast iron DIN WNr. 0.6025 ASTM 35-40					
	Installation:						
	Pump outlet:	RP6					
	Motor diameter:	10 inch					
	Electrical data:						
	Motor type:	MMS10000					
	Rated power - P2:	132 kW					
	Power (P2) required by pump:	132 kW					
	Mains frequency:	50 Hz					
	Rated voltage:	3 x 380-400-415 V					
	Rated current:	275-270-270 A					
	Starting current:	530-570-590 %					
	Cos phi - power factor:	0.87-0.84-0.81					
	Rated speed:	2900-2910-2920 rpm					
	Start. method:	direct-on-line					
	Enclosure close (IEC 24 E);						

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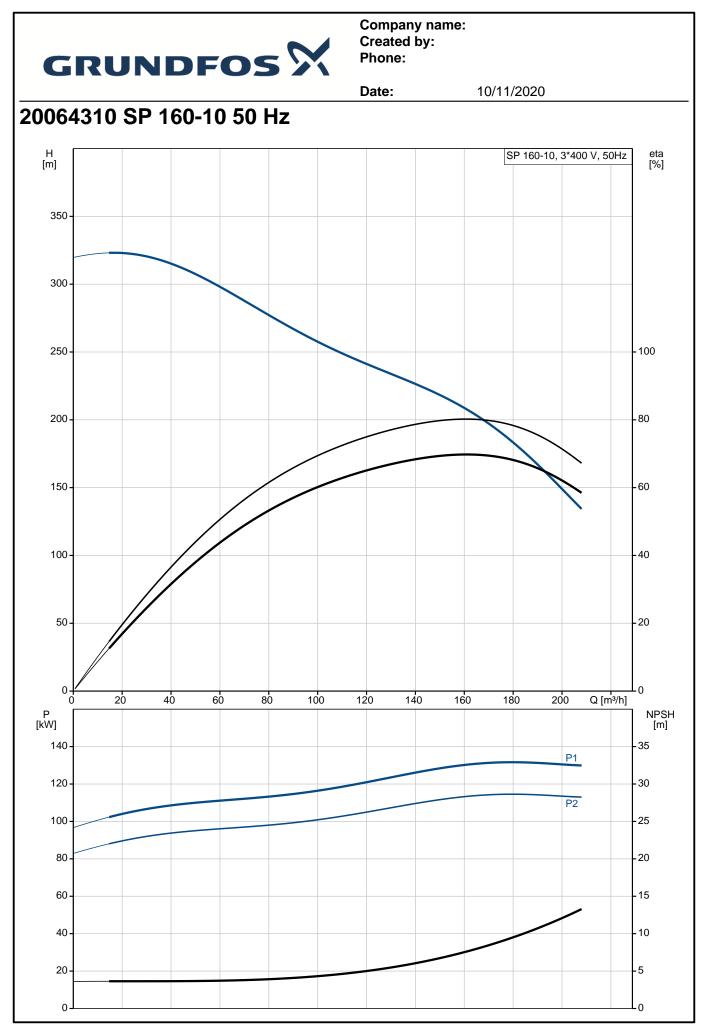
IP68

Enclosure class (IEC 34-5):



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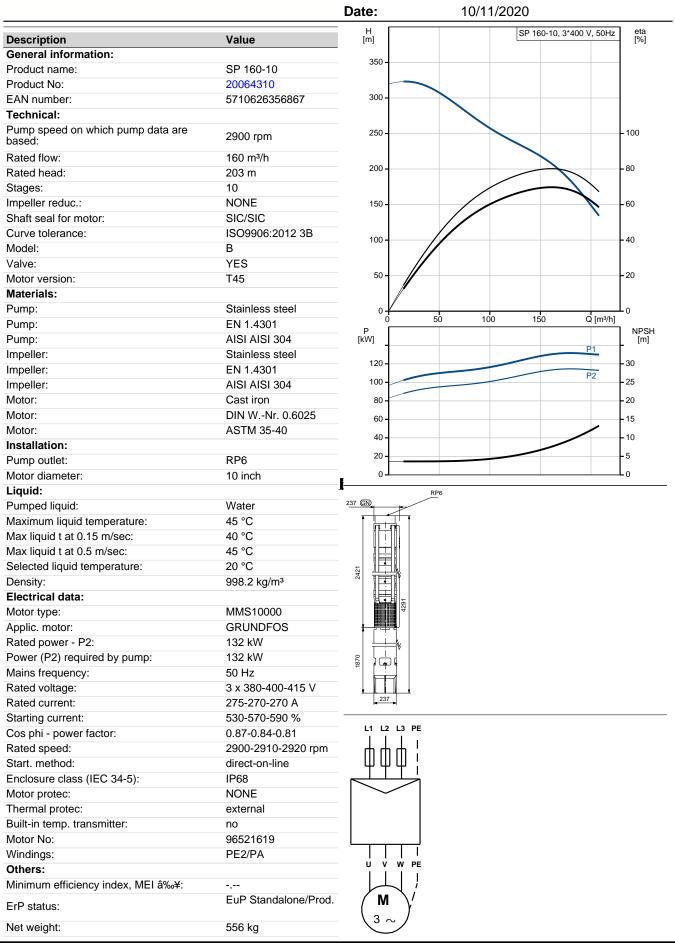
		Date:	10/11/2020			
Description						
Built-in temp. transmitter:	no					
Motor No:	96521619					
Windings:	PE2/PA					
Others:						
Minimum efficiency index, MEI ≥:						
ErP status:	EuP Standalone	Prod.				
Net weight:	556 kg					
Gross weight:	642 kg					
Shipping volume:	0.973 m³					
Country of origin:	DK					
Custom tariff no.:	84137029					





## Company name: Created by:



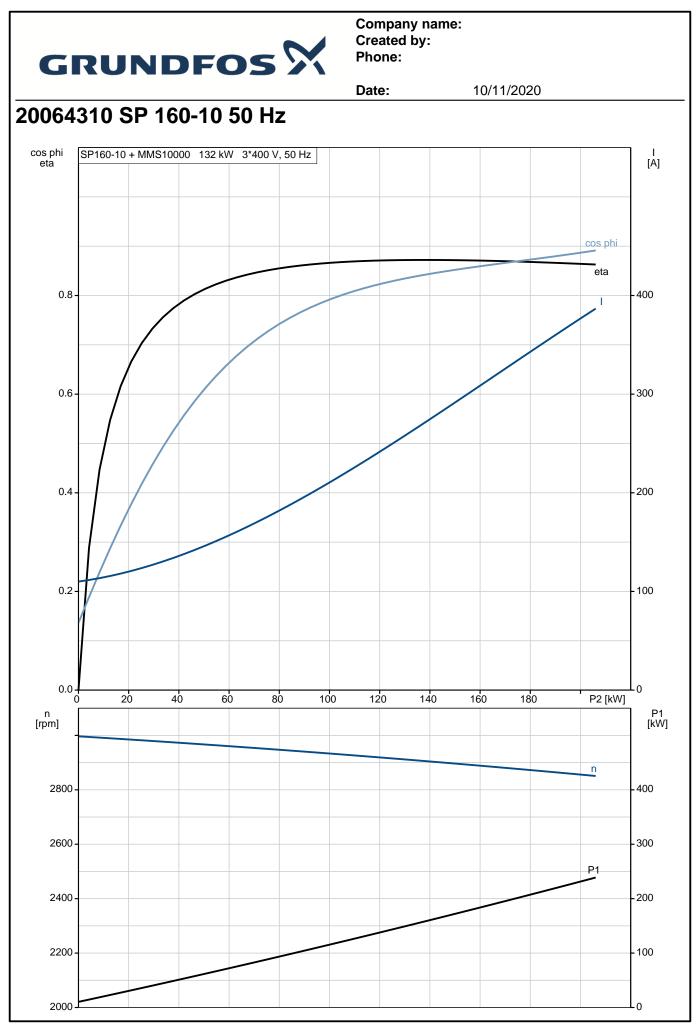


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