	GRUNDFOS X	Company r Created by Phone:	
		Date:	10/11/2020
	Description		
	SP 160-10-A		
	Note! Product picture	may differ from a	actual product
	Product No.: 200643A0	-	-
	Submersible borehole pump, suitable for pumping clea components are made in stainless steel, EN 1.4301 (A carries drinking water approval.	an water. Can AISI 304), that	be installed vertically or horizontally. All stee ensures high corrosive resistance. This pum
	volume compensating diaphragm. The rewindable mo easy rewinding. The stator windings are PE/PA insula temperatures 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).	ted made for c echanical shaf	continous operations (S1). Suitable for ft seal.
	Further product details The pump is suitable for applications similar to the foll - raw-water supply - irrigation - groundwater lowering - pressure boosting fountain applications	owing:	
	- fountain applications. Pump		
	All pump surfaces that are in contact with pumped lique and wear-resistant. The corrosion diagram below show temperature in Celsius (y-axis) and the concentration	ws the capabili	ities of the pump and motor in relation to the
	100 EN 1.4301 100		EN 1.4301
	90 - 90 - 90 - 90 - 90 - 90 - 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	0 16000 20000
- L	The elastomer parts in the pump are made of NBR (N	inne-paragiene	e Rubber) which ensures good wear
	resistance and long service intervals.		
	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 hvd	drocarbons or solvents, Grundfos offers FKM

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10/11/2020

	Description	Date: 10/11/2020				
y .	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.					
	Motor					
	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				
	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 norm 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 F operating temperature condition	Pt100 or Pt1000 sensor that together with a control unit ensures that the maximur as 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 da	ata are based: 2900 rpm				
	Rated flow:	160 m³/h				
	Rated head:	196 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 class (IEC 34-5)	IP68				

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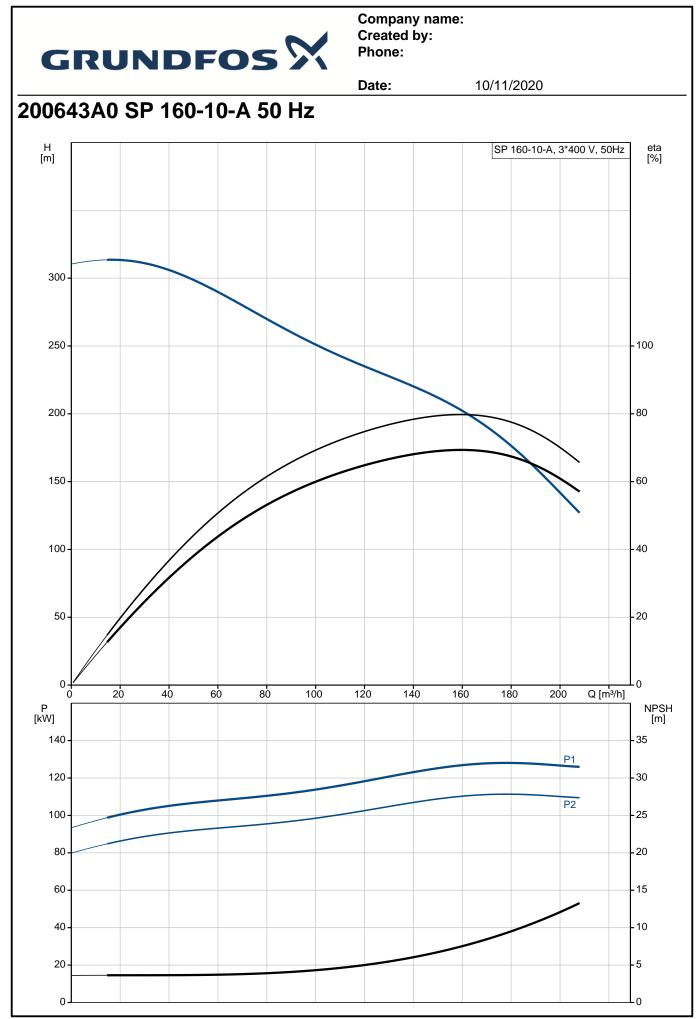
IP68

Enclosure class (IEC 34-5):



Company name: Created by:

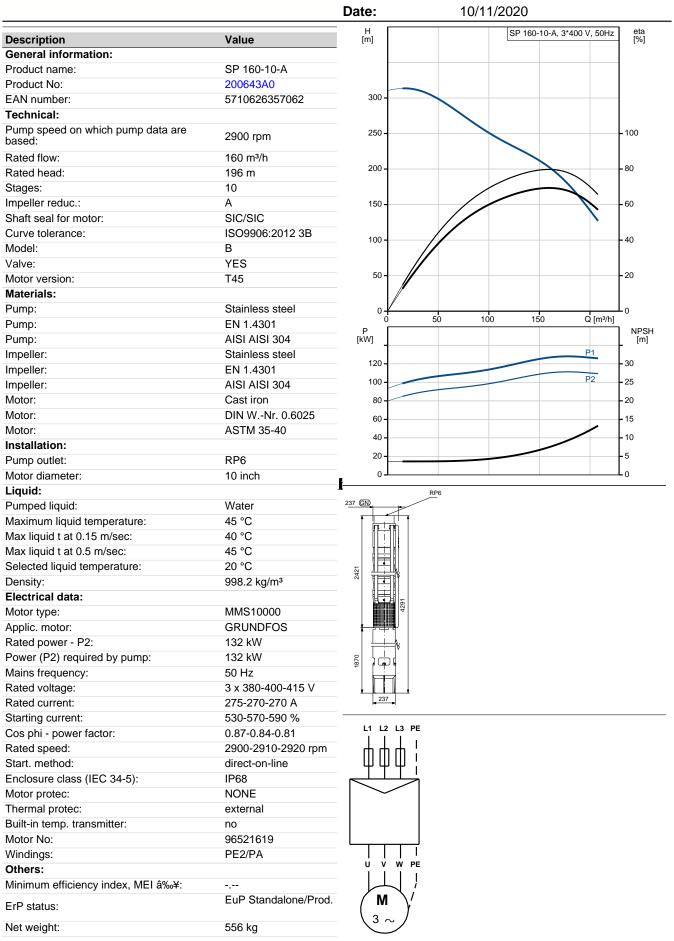
		Date:	10/11/2020	
Description				
Built-in temp. transmitter:	no			
Motor No:	96521619			
Windings:	PE2/PA			
Others:				
Minimum efficiency index, ME	El ≥:			
ErP status:	EuP Standalone	Prod.		
Net weight:	556 kg			
Gross weight:	642 kg			
Shipping volume:	0.973 m³			
Country of origin:	DK			
Custom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





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Phone:

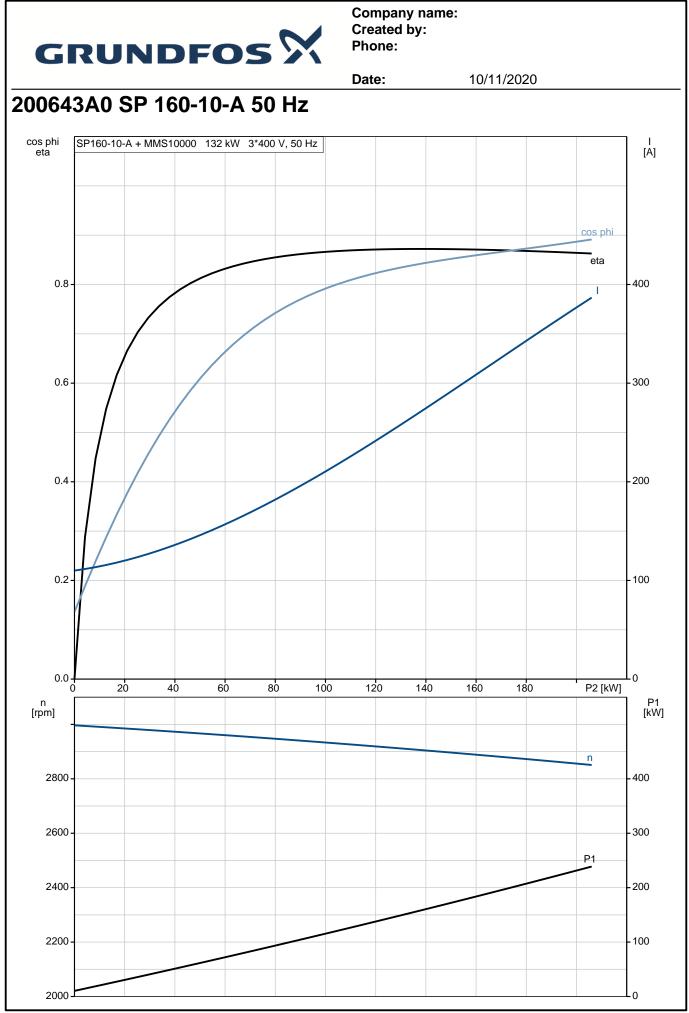


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