

Company name: Created by: Phone:

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Desch	ption					
SP 160)-9-A					
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		Note! Product pie	cture may differ from	actual product		
Produc	t No.: 200243A9					
Subme	rsible borehole pump, suita	able for numning	ı clean water. Can	be installed vertically or h	norizontally All st	
compo	nents are made in stainless	s steel, EN 1.430	01 (AISI 304), that	t ensures high corrosive re	esistance. This pu	
	drinking water approval.	MMS9000 moto	r with cond chield	water lubricated journal k	opringe and a	
volume	mp is fitted with a 110 kW compensating diaphragm.	The rewindable	motor contruction	n allows complete access	to the windings for	
easy re	ewinding. The stator windin atures up to 50 °C. The mo	gs are PE/PA in	sulated made for	continous operations (S1)	. Suitable for	
•	•				0 or Pt1000 con	
The motor is not fitted with a temperature sensor. If temperature monitoring is desired, a Pt100 or Pt1000 senso can be fitted.						
The motor is for direct-on-line starting (DOL).						
F						
	er product details		a following:			
The pu	er product details mp is suitable for applicatio raw-water supply		e following:			
The pu - -	mp is suitable for application raw-water supply irrigation		e following:			
The pu - - -	mp is suitable for application raw-water supply irrigation groundwater lowering		e following:			
The pu - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting		e following:			
The pu - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications.		e following:			
The pu - - - - Pump All pun	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications.	ons similar to the	l liquids are made	in stainless steel which m	nakes them corro	
The pu - - - - - - - - - - - - - - - - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications.	ons similar to the act with pumped diagram below	l liquids are made shows the capabi	lities of the pump and mot	nakes them corro or in relation to th	
The pu - - - - - - - - - - - - - - - - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. In surfaces that are in cont ear-resistant. The corrosion ature in Celsius (y-axis) an	act with pumped diagram below d the concentrat	l liquids are made shows the capabi	lities of the pump and mot ppm (x-axis).	nakes them corro or in relation to th	
The pure - - - - - - - - - - - - - - - - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. In surfaces that are in cont ear-resistant. The corrosion ature in Celsius (y-axis) an	ons similar to the act with pumped diagram below d the concentrat	l liquids are made shows the capabi	lities of the pump and mot	nakes them corro	
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The put - - - - - - - - - - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. In p surfaces that are in cont ear-resistant. The corrosion ature in Celsius (y-axis) an ■ EN astomer parts in the pump a ince and long service interv the pump is used for pum	act with pumped diagram below d the concentral	l liquids are made shows the capabi tion of chloride in 2 4000 6000 8000 1200 R (Nitrile-Butadien nigh content of hyd	lities of the pump and mot ppm (x-axis).	or in relation to th good wear	
The put - - - - - - - - - - - - -	mp is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. In p surfaces that are in cont ear-resistant. The corrosion ature in Celsius (y-axis) an ■ ■	act with pumped diagram below d the concentral	l liquids are made shows the capabi tion of chloride in 2 4000 6000 8000 1200 R (Nitrile-Butadien nigh content of hyd	lities of the pump and mot ppm (x-axis).	or in relation to th good wear	



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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

Description

Qty.

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.

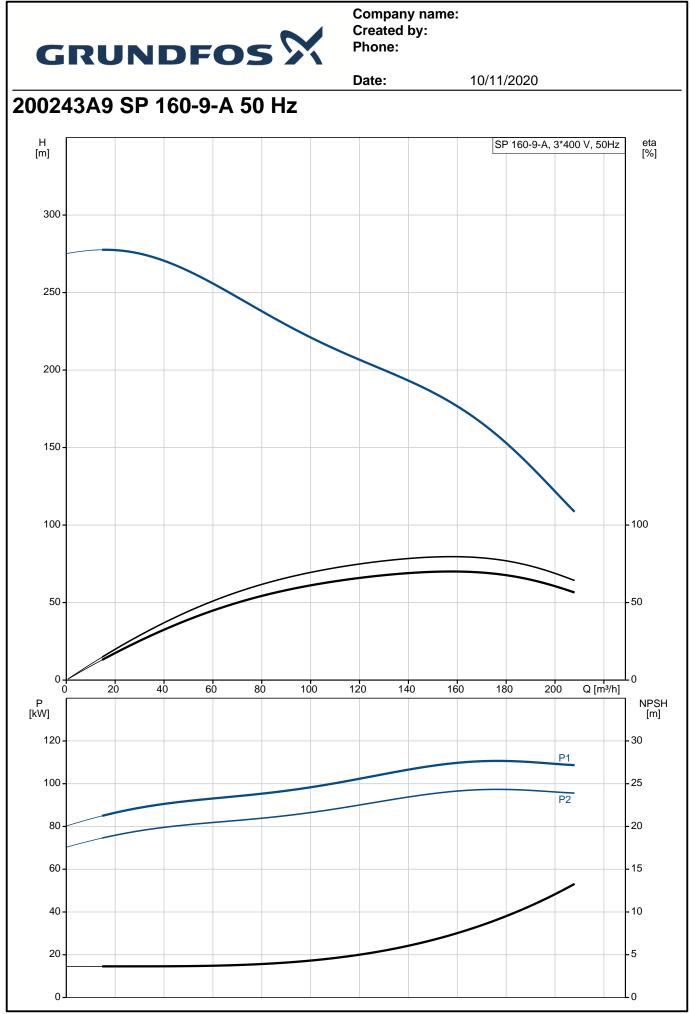
Liquid:

Pumped liquid: Maximum liquid temperature: Max liquid t at 0.15 m/sec: Max liquid t at 0.5 m/sec: Selected liquid temperature: Density:	Water 40 °C 35 °C 40 °C 20 °C 998.2 kg/m ³
Technical: Pump speed on which pump dat Rated flow: Rated head: Shaft seal for motor: Curve tolerance: Motor version:	a are based: 2900 rpm 160 m³/h 176 m SIC/SIC ISO9906:2012 3B T40
Materials:	
Pump:	Stainless steel EN 1.4301 AISI AISI 304
Impeller: Motor:	Stainless steel EN 1.4301 AISI AISI 304 Cast iron DIN WNr. 0.6025
	ASTM 35-40
Installation: Pump outlet: Motor diameter:	RP6 8 inch
Electrical data: Motor type: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Start. method:	MMS8000 110 kW 110 kW 50 Hz 3 x 380-400-415 V 230-224-222 A 520-580-600 % 0.89-0.87-0.84 2870-2890-2900 rpm direct-on-line



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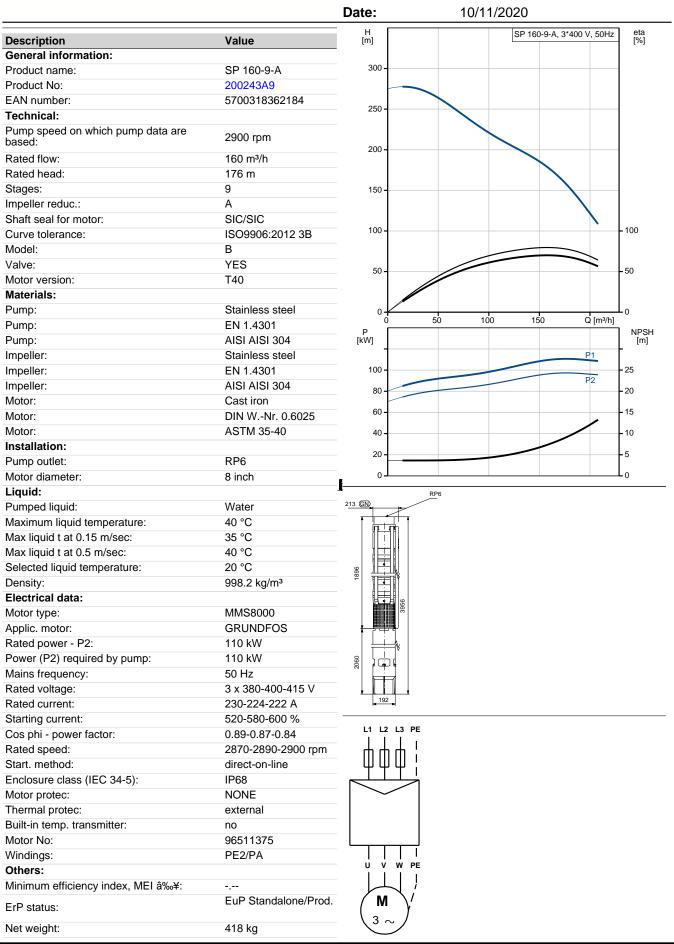
		Date:	1///1//////////////////////////////////	
		Date.	10/11/2020	
Description				
 Enclosure class (IEC 34-5):	IP68			
Built-in temp. transmitter: Motor No:	no 96511375			
Windings:	PE2/PA			
windings.	FLZ/FA			
Others:				
Minimum efficiency index, MEI	≥:			
ErP status:	EuP Standalone/P	rod.		
Net weight:	418 kg			
Gross weight:	494 kg			
Shipping volume:	0.641 m ³			
Country of origin:	GB			
Custom tariff no .:	84137029			





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Gross weight:	494 kg			
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