

Company name: Created by: Phone:

Des					
	cription				
SP 1	160-9				
	(III)				
	+ +				
	####				
Droe		Note! Product pie	cture may differ from	actual product	
Proc	duct No.: 20024309				
Sub	mersible borehole pump, suita	able for pumping	clean water. Can	be installed vertically or	horizontally. All st
	ponents are made in stainless es drinking water approval.	s steel, EN 1.430	01 (AISI 304), that	ensures high corrosive i	resistance. This pu
	pump is fitted with a 110 kW I	MMS8000 moto	with sand shield	water-lubricated journal	bearings and a
volu	me compensating diaphragm.	The rewindable	motor contructior	allows complete access	s to the windings f
easy	/ rewinding. The stator winding peratures up to 50 °C. The mo	gs are PE/PA in:	sulated made for o	continous operations (S1). Suitable for
•	·				00 or Dt1000 oor
	motor is not fitted with a temp be fitted.	erature sensor.	ii temperature mo	initoring is desired, a Pt i	00 or Pt1000 sens
The	motor is for direct-on-line star	ting (DOI)			
	motor is for unect-on-line star	ung (DOL).			
		ung (DOL).			
Fur	ther product details				
Fur The	ther product details pump is suitable for application		e following:		
Fur	ther product details pump is suitable for application raw-water supply		e following:		
Fur The	ther product details pump is suitable for application		e following:		
Fur The	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting		e following:		
Fur The - - -	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications.		e following:		
Fur The - - - Pur	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications.	ons similar to the	-		
Fur The - - - - - - - - - - - - - - - - - - -	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. np	ons similar to the	l liquids are made	in stainless steel which i ities of the pump and mo	makes them corro
Fur The - - - - - - - - - - - - - - - - - - -	ther product details pump 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 capabil	ities of the pump and mo	makes them corro otor in relation to th
Fur The - - - - - - - - - - - - - - - - - - -	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. mp nump surfaces that are in conta wear-resistant. The corrosion perature in Celsius (y-axis) an	ons similar to the act with pumped diagram below	l liquids are made shows the capabil	ities of the pump and mo	makes them corro otor in relation to th
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Fur The Pur All p and temp	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. mp ump surfaces that are in conta wear-resistant. The corrosion berature in Celsius (y-axis) an	act with pumped diagram below d the concentral	l liquids are made shows the capabil tion of chloride in p	ities of the pump and mo opm (x-axis).	otor in relation to th
Fur The Pur All pand temp	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. mp ump surfaces that are in conta wear-resistant. The corrosion perature in Celsius (y-axis) an entities and box 1000 1200 1400 1600 elastomer parts in the pump a stance and long service interval	act with pumped diagram below d the concentral	l liquids are made shows the capabil tion of chloride in p	ities of the pump and mo opm (x-axis).	otor in relation to th s good wear
Fur The Pur All p and temp	ther product details pump is suitable for application raw-water supply irrigation groundwater lowering pressure boosting fountain applications. mp ump surfaces that are in conta wear-resistant. The corrosion berature in Celsius (y-axis) an	act with pumped diagram below d the concentral	I liquids are made shows the capabil tion of chloride in p a 4000 6000 8000 1200 R (Nitrile-Butadien nigh content of hyd	ities of the pump and mo opm (x-axis).	otor in relation to th s good wear



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Date: 10/11/2020

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: 40 °C Max liquid t at 0.15 m/sec: 35 °C Max liquid t at 0.5 m/sec: 40 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m3 Technical: Pump speed on which pump data are based: 2900 rpm Rated flow: 160 m³/h Rated head: 183 m Shaft seal for motor: SIC/SIC Curve tolerance: ISO9906:2012 3B Motor version: T40

Materials: Stainless steel Pump: EN 1.4301 AISI AISI 304 Impeller: Stainless steel EN 1.4301 AISI AISI 304 Motor: Cast iron DIN W.-Nr. 0.6025 ASTM 35-40 Installation: RP6 Pump outlet: Motor diameter: 8 inch Electrical data: MMS8000 Motor type: Rated power - P2: 110 kW 110 kW Power (P2) required by pump: Mains frequency: 50 Hz Rated voltage: 3 x 380-400-415 V Rated current: 230-224-222 A Starting current: 520-580-600 % Cos phi - power factor: 0.89-0.87-0.84 Rated speed: 2870-2890-2900 rpm

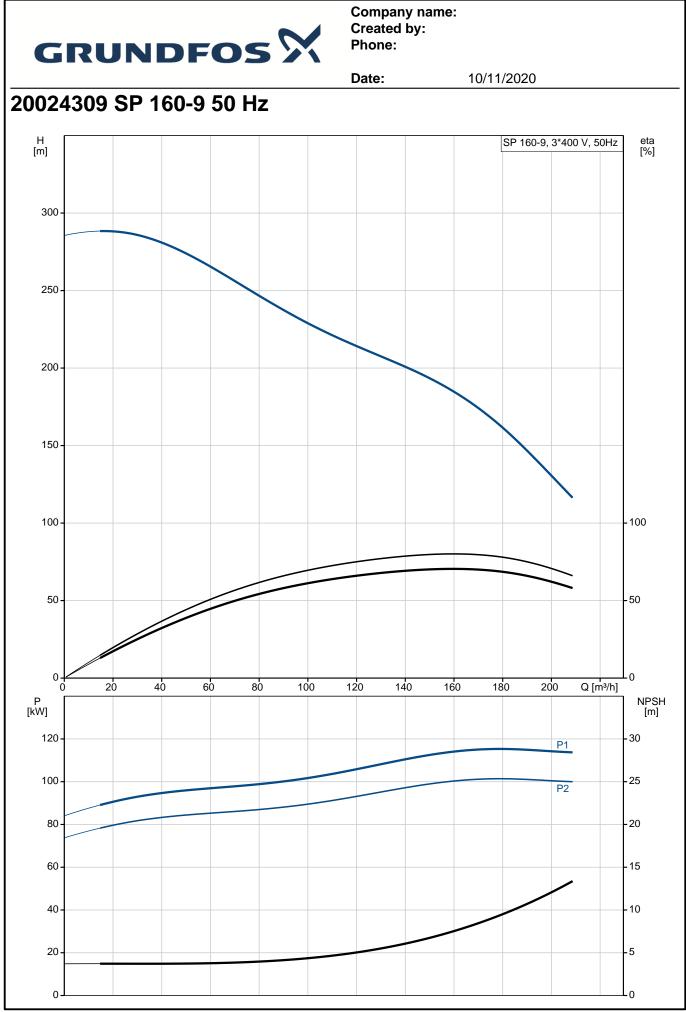
direct-on-line

Start. method:



Company name: Created by:

		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			





Description

Product name: Product No:

EAN number:

Technical:

Rated flow:

Rated head:

Impeller reduc.:

Curve tolerance:

Motor version:

Materials:

Shaft seal for motor:

based:

Stages:

Model:

Valve:

Pump:

Pump:

Pump:

Impeller:

Impeller:

Impeller:

Motor:

Motor:

Motor:

Liquid:

Density:

Installation:

Pump outlet:

Motor diameter:

Pumped liquid:

Electrical data: Motor type:

Rated power - P2:

Mains frequency:

Rated voltage:

Rated current:

Rated speed:

Start. method:

Motor protec: Thermal protec:

Motor No:

Windings:

ErP status:

Net weight:

Others:

Starting current:

Cos phi - power factor:

Enclosure class (IEC 34-5):

Built-in temp. transmitter:

Minimum efficiency index, MEI ≥:

Applic. motor:

Maximum liquid temperature:

Selected liquid temperature:

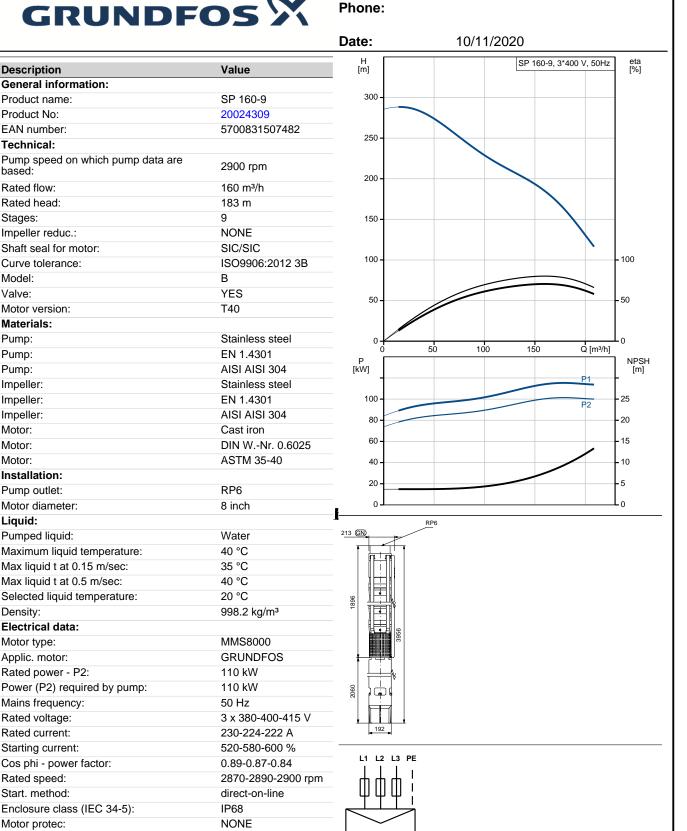
Power (P2) required by pump:

Max liquid t at 0.15 m/sec:

Max liquid t at 0.5 m/sec:

General information:

Company name: Created by:



PE Ŵ

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external

96511375

EuP Standalone/Prod.

PE2/PA

418 kg

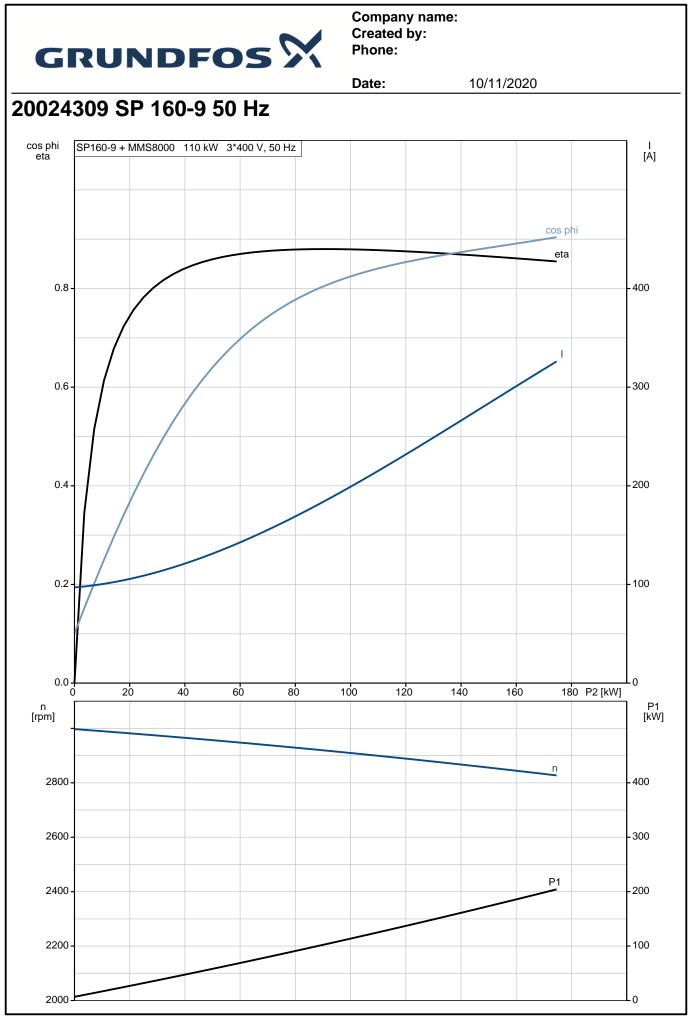
no

- --



Company name: Created by: Phone:

		Date:	10/11/2020	
Description	Value			
Gross weight:	494 kg			
Shipping volume:	0.641 m ³			
Country of origin:	GB			
Custom tariff no .:	84137029			



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