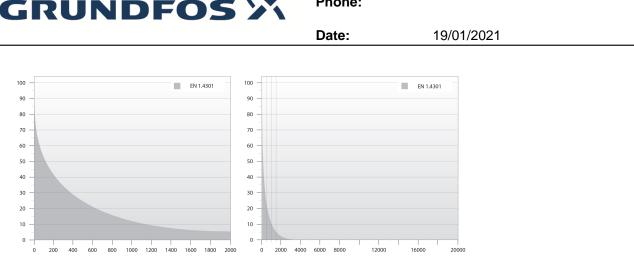


terription 14-15		ure may differ from act	tual product
duct No.: On request		ure may differ from act	tual product
mersible borehole pump,		ure may differ from act	tual product
mersible borehole pump,		ure may differ from ac	tual product
mersible borehole pump,	suitable for pumping o		
mersible borehole pump,	suitable for numping of		
ies drinking water approva	nless steel, EN 1.4301	lean water. Can be (AISI 304), that er	e installed vertically or horizontally. All ste nsures high corrosive resistance. This pur
rings and a volume compe	ensating diaphragm. T	he motor is a cann	anical shaft seal, water-lubricated journal ned type submersible motor offering good to 40 °C.
	emperature sensor. If	temperature monit	toring is desired, a Pt1000 sensor can be
	starting (DOL).		
	3(-)		
	cations similar to the f	ollowing:	
 fountain applications. Grundfos SP pump is rer imum Efficiency Index, an 	nowned for its high effi d therefore Grundfos i	ciency and already is amongst the bes	y complies with the requirements of the st in class within submersible pumps.
wear-resistant. The corro	sion diagram below sl	nows the capabilitie	es of the pump and motor in relation to the
	thanical stability and high motor is not fitted with a f motor is for direct-on-line ther product details pump is suitable for appli raw-water supply irrigation groundwater lowering pressure boosting fountain applications. Grundfos SP pump is rer mum Efficiency Index, an fourtain applications.	 chanical stability and high efficiency. Suitable for motor is not fitted with a temperature sensor. If d. motor is for direct-on-line starting (DOL). ther product details pump is suitable for applications similar to the for raw-water supply irrigation groundwater lowering pressure boosting fountain applications. Grundfos SP pump is renowned for its high effirmum Efficiency Index, and therefore Grundfos i 	 motor is for direct-on-line starting (DOL). ther product details pump is suitable for applications similar to the following: raw-water supply irrigation groundwater lowering pressure boosting fountain applications. Grundfos SP pump is renowned for its high efficiency and already mum Efficiency Index, and therefore Grundfos is amongst the beside the product of t





The elastomer parts in the pump offer good wear resistance and long service intervals. The bearings are made of LSR (Liquid Silicone Rubber), sealing rings are made of TPU (Thermoplastic Poly-Urethane) and the non-return valve is made of NBR (Nitrile-Butadiene Rubber). The special elastomer material of the bearings offers increased resistance to sand and other abrasive particles (from 50 to 150 mg/l).

In case the pump is used for pumping water with high content of hydrocarbons or solvents, Grundfos offers FKM rubber parts (Fluorocarbon) which are oil and temperature-resistant up to 90 °C.

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

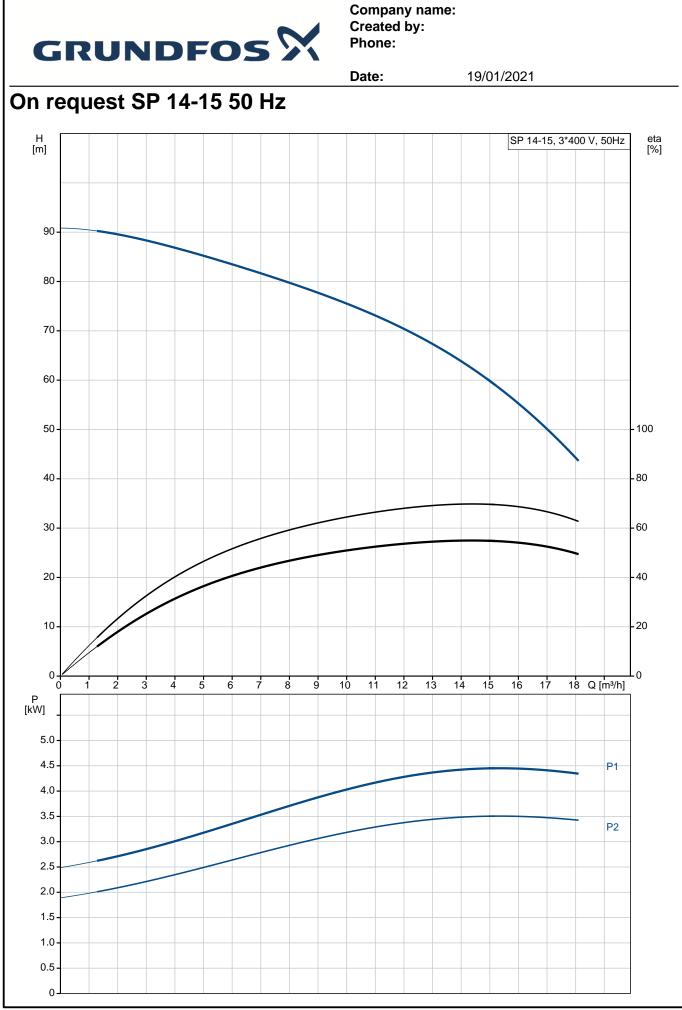
The stator is hermetically encapsulated in stainless steel and the windings are embedded in polymer compound. This results in high mechanical stability, optimum cooling and reduces the risk of short circuits in the windings.

The shaft seal is a tungsten carbide/ceramic replaceable mechanical shaft seal. The material combination provides optimum sealing, resistance and long life. 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. 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: Selected liquid temperature: Density:	Water 40 °C 40 °C 20 °C 998.2 kg/m³
Technical: Pump speed on which pump da Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate: Curve tolerance: Motor version:	ta are based: 2900 rpm 14 m³/h 65 m HM/CER CE,EAC ISO9906:2012 3B T40
Materials: Pump: Impeller:	Stainless steel EN 1.4301 AISI AISI 304 Stainless steel EN 1.4301 AISI AISI 304
Motor:	Stainless steel DIN WNr. 1.4301



		Date:	19/01/2021	
Description				
	AISI 304			
Installation:				
Pump outlet:	Rp2			
Motor diameter:	4 inch			
Electrical data:				
Motor type:	MS4000			
Rated power - P2:	4 kW			
Power (P2) required by pump:	4 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-400-415 V			
Rated current:	9.75-9.60-9.80 A			
Starting current:	460-500-530 %			
Cos phi - power factor:	0.85-0.80-0.77			
Rated speed:	2850-2865-2875 rpm			
Start. method:	direct-on-line			
Enclosure class (IEC 34-5):	IP68			
Insulation class (IEC 85):	F			
Built-in temp. transmitter:	no			
Motor No:	79194510			
Others:				
Minimum efficiency index, MEI	≥: 0.50			
ErP status:	EuP Standalone/Proc	I.		
Net weight:	38 kg			
Gross weight:	72.1 kg			
Shipping volume:	0.126 m ³			
Danish VVS No.:	388482015			
Finnish LVI No.:	4762710			



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		Date:		19/0	1/202			
Description	Value	H [m]				SP 14-15, 3	3*400 V,	50Hz
General information:								
Product name:	SP 14-15	-						
Product No:	On request	90 -						
EAN number:	On request	-						
Price:	Onrequest	80 -						
Technical:		-						
		70 -						
Pump speed on which pump data are based:	2900 rpm	60 -						
Rated flow:	14 m³/h							
Rated head:	65 m	50 -						
Stages:	15							
Impeller reduc.:	NONE	40 -						
Shaft seal for motor:	HM/CER							
Approvals on nameplate:	CE,EAC	30 -			_			-
Curve tolerance:	ISO9906:2012 3B	-						•
Model:	A	20 -						
Valve:	YES							
Motor version:	T40	10-						
Materials:								
Pump:	Stainless steel	0	2 4	6 8	10 1	2 14	16 Q	[m³/h]
•		Р	- +	0	.0	- 17	,5 Q	,]
Pump:	EN 1.4301	[kW]						
Pump:	AISI AISI 304	5 -						F
Impeller:	Stainless steel							•
Impeller:	EN 1.4301	4 -						
Impeller:	AISI AISI 304	3-						F
Motor:	Stainless steel	3						
Motor:	DIN WNr. 1.4301	2-						
Motor:	AISI 304	-						
Installation:		1						
Pump outlet:	Rp2							
Motor diameter:	4 inch	0						
Liquid:								
Pumped liquid:	Water							
Maximum liquid temperature:	40 °C							
Max liquid t at 0.15 m/sec:	40 °C							
Selected liquid temperature:	20 °C							
Density:	998.2 kg/m ³							
Electrical data:								
Motor type:	MS4000							
Applic. motor:	NEMA							
Rated power - P2:	4 kW							
Power (P2) required by pump:	4 kW							
Mains frequency:	50 Hz							
Rated voltage:	3 x 380-400-415 V							
Rated current:	9.75-9.60-9.80 A							
Starting current:	460-500-530 %							
Cos phi - power factor:	0.85-0.80-0.77							
Rated speed:	2850-2865-2875 rpm							
Start. method:	direct-on-line							
Enclosure class (IEC 34-5):	IP68							
Insulation class (IEC 85):	F							
Motor protec:	NONE							
Thermal protec:	external							
Built-in temp. transmitter:	no							
Motor No:	79194510							
Others:								
Minimum efficiency index, MEI ≥:	0.50							
-	EuP Standalone/Prod.							
ErP status:								



		Date:	19/01/2021
Description	Value		
Net weight:	38 kg	-	
Gross weight:	72.1 kg		
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Danish VVS No.:	388482015		
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