GRUNDFO		Company na Created by: Phone:	me:				
		Date:	10/11/2020				
Description							
SP 160-12							
AL N	lote! Product picture m	av differ from act	ual product				
Product No.: 20064312							
Submersible borehole pump, suitable components are made in stainless st carries drinking water approval.	el, EN 1.4301 (Al) water. Can be SI 304), that er	e installed vertically or horizont	ally. All steel e. This pump			
volume compensating diaphragm. The easy rewinding. The stator windings temperatures up to 50 °C. The motor The motor is not fitted with a temperatican be fitted. The motor is for direct-on-line starting.	are PE/PA insulate is fitted with a med ature sensor. If tem	d made for cor chanical shaft s	ntinous operations (S1). Suitat seal.	ole for			
Further product details							
	The pump is suitable for applications similar to the following:						
 raw-water supply irrigation 							
- groundwater lowering							
- pressure boosting							
- fountain applications. Pump							
All pump surfaces that are in contact and wear-resistant. The corrosion dia	agram below shows	s the capabilitie	es of the pump and motor in rel	em corrosion ation to the			
temperature in Celsius (y-axis) and the	he concentration of	chloride in ppr	m (x-axis).				
100 — EN 1.4301	100		EN 1.4301				
90	90						
70 -	70 -						
60 —	60 -						
50 -	50						
40 -	40 -						
30	30						
20 -	20 -						
10	10 -						
0	0 2000 0 2000 4000 6	000 8000 12000	16000 20000				
The elastomer parts in the nump are	made of NRP (Nite	ile-Rutadiana G	Rubber) which ensures good w	ear			
The elastomer parts in the pump are resistance and long service intervals.	made of NBR (Nitr	ile-Butadiene F	Rubber) which ensures good w	ear			
The elastomer parts in the pump are resistance and long service intervals. In case the pump is used for pumping rubber parts (Fluorocarbon) which ar	g water with high c	ontent of hydro	carbons or solvents, Grundfos				



Company name: Created by: Phone:

Date:

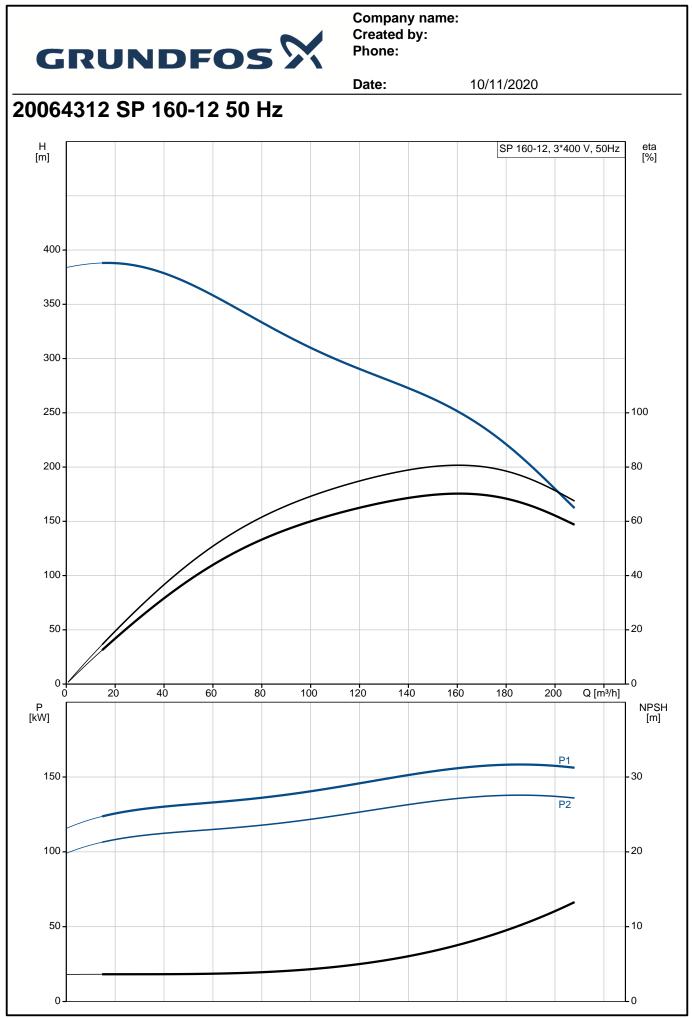
10/11/2020

ne pump is , wear rings				
Motor				
th high ensures the the winding				
particles during normal king water				
he maximum				
_				



Company name: Created by:

			Date:	10/11/2020	
[Description		Date.	10/11/2020	
	Built-in temp. transmitter:	no			
	Motor No:	96540302			
	Windings:	PE2/PA			
	Others:				
	Minimum efficiency index, ME				
	ErP status:	EuP Standalone/	Prod.		
	Net weight: Gross weight:	633 kg 703 kg			
	Shipping volume:	1.45 m ³			
	Country of origin:	DK			
	Custom tariff no.:	84137029			
1					





Company name: Created by: Phone:

			0/11/2020	oto
Description	Value	H [m]	SP 160-12, 3*400 V, 50Hz	eta [%]
General information:				
Product name:	SP 160-12			
Product No:	20064312	400 -		
EAN number:	5710626356881			
Technical:		350 -		
Pump speed on which pump data are based:	2900 rpm	300 -		
Rated flow:	160 m³/h			
Rated head:	244 m	250 -		- 100
Stages:	12			
Impeller reduc.:	NONE	200 -		- 80
Shaft seal for motor:	SIC/SIC	450		
Curve tolerance:	ISO9906:2012 3B	150	· ·	- 60
Model:	В			40
Valve:	YES	100		- 40
Motor version:	T45	50		20
Materials:	. 10	50-		-20
Pump:	Stainless steel	0		•0
Pump:	EN 1.4301	0 50	100 150 Q [m³/h]	
Pump:	AISI AISI 304	P [kW]		NPSH [m]
Impeller:	Stainless steel	[[(14]	P1	[iii]
Impeller:	EN 1.4301	150 -		- 30
Impeller:	AISI AISI 304		P2	
Motor:	Cast iron	100		-20
Motor:	DIN WNr. 0.6025			
Motor:	ASTM 35-40	50 -		- 10
Installation:				
Pump outlet:	RP6			
Motor diameter:	10 inch	0		-0
Liquid:		RP6		
Pumped liquid:	Water	237 GN		
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/m ³			
Electrical data:				
Motor type:	MMS10000	44		
Applic. motor:	GRUNDFOS			
Rated power - P2:	147 kW			
Power (P2) required by pump:	147 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-400-415 V			
Rated current:	315-315-320 A	237		
Starting current:	580-620-630 %			
Cos phi - power factor:	0.85-0.81-0.77	L1 L2 L3 PE		
Rated speed:	2920-2920-2930 rpm	<u>н</u> н н !		
Start. method:	direct-on-line	ΦΦΦί		
Enclosure class (IEC 34-5):	IP68			
Motor protec:	NONE			
Thermal protec:	external			
Built-in temp. transmitter:	no			
Motor No:	96540302			
Windings:	90340302 PE2/PA			
Others:		U V W PE		
Minimum efficiency index, MEI ≥:	 EuD Standalana/Drad			
ErP status:	EuP Standalone/Prod.	(M \/		
		$\langle 3 \sim \rangle$		

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Company name: Created by: Phone:

Date:10/11/2020DescriptionValueGross weight:703 kgShipping volume:1.45 m³Country of origin:DKCustom tariff no.:84137029

