

Descript			Date:	10/11/2020	
•	tion				
SP 77-8-	-В				
	1 A				
	1 - 1				
Draduat	No.: 16A019C8	Note! Product pi	cture may differ from a	actual product	
Product	NO.: TOAUT9C8				
Submers	sible borehole pump	suitable for pumping	g clean water. Can	be installed vertically or horizontally.	All st
compone	ents are made in sta	inless steel, EN 1.43	01 (AISI 304), that	be installed vertically or horizontally. ensures high corrosive resistance. T	his pu
	Irinking water approv		:		
bearings	and a volume come	ensating diaphragm.	The motor is a ca	echanical shaft seal, water-lubricated nned type submersible motor offering	journ a aooi
mechani	cal stability and high	efficiency. Suitable	for temperatures up	p to 40 °C.	9 900
The mot	or is fitted with the G	rundfos Tempcon se	nsor that, by use o	of powerline communication together	with a
	•	s temperature monito	oring.		
The mote	or is for direct-on-line	e starting (DOL).			
Eurtho	- product dotails				
	r product details	lications similar to the	following		
	aw-water supply	IlCalions Similar to the	e luiuwing.		
	rigation				
- gi	roundwater lowering				
- gi - pi	roundwater lowering ressure boosting				
- gi - pi - fo	roundwater lowering				
- gi - pi - fo Pump	roundwater lowering ressure boosting puntain applications.		d liquido oro modo	in atoinloss stack which makes them	0.0550
- gr - pr - fo Pump All pump	roundwater lowering ressure boosting puntain applications.			in stainless steel which makes them ities of the pump and motor in relatio	
- gi - pi - fo Pump All pump and wea	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro		shows the capabili	ities of the pump and motor in relatio	
- gi - pi - fo Pump All pump and wea	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	osion diagram below	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gi - pi - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	s) and the concentra	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gr - pr - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	s) and the concentra	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gr - pr - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301 100	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gi - pi - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301 BOD CONCENTRAL	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gr - pr - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gr - pr - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gr - pr - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gr - pr - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301 EN 1.4301 EN 1.4301 December 2007 EN 1.4301 December 20	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gri - pri - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301	shows the capabili	ities of the pump and motor in relatio opm (x-axis).	
- gi - pi - fo Pump All pump and wea temperat	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corro	EN 1.4301 EN 1.4301 EN 1.4301 Diagram below s) and the concentral and the concent	shows the capabili tion of chloride in p	ities of the pump and motor in relatio opm (x-axis).	
- gri - pri - fo Pump All pump and weat temperat	oundwater lowering ressure boosting puntain applications.	EN 1.4301 0 1600 1800 2000 D 1600 1800 2000 D 2000 D 2000 D 2000 D 2000 D 2000 D 2000 D 2000 D 2000	shows the capabilition of chloride in p	ities of the pump and motor in relatio opm (x-axis).	
- gri - pri - fo Pump All pump and weat temperations 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	oundwater lowering ressure boosting puntain applications.	EN 1.4301 EN 1.4301 0 1600 1800 2000 Ump are made of NB	shows the capabilition of chloride in p	ities of the pump and motor in relatio opm (x-axis).	
- gri - pri - fo Pump All pump and weat temperations - for -	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The corre- ture in Celsius (y-axi do 600 800 1000 1200 14 tomer parts in the purch ce and long service i he pump is used for	EN 1.4301 EN 1.4301 December 2000 EN 1.4301 December 2000 December 2000 Dec	shows the capabilition of chloride in p	ities of the pump and motor in relatio oppm (x-axis).	n to tł
- gri - pri - fo Pump All pump and weat temperation 90 90 80 70 60 50 70 60 50 70 60 50 70 60 70 70 70 70 70 70 70 70 70 70 70 70 70	roundwater lowering ressure boosting puntain applications. o surfaces that are in r-resistant. The correct ture in Celsius (y-axi 400 600 800 1000 1200 14 stomer parts in the purce and long service i he pump is used for arts (Fluorocarbon)	EN 1.4301 EN 1.4301 EN 1.4301 The concentration of the concentration	shows the capabilition of chloride in p 4000 6000 8000 12000 R (Nitrile-Butadiene high content of hyd perature-resistant	ities of the pump and motor in relatio oppm (x-axis).	n to th
- gr - pr - fo Pump All pump and weatemperat	roundwater lowering ressure boosting puntain applications.	EN 1.4301 EN 1.4301 December 2000 EN 1.4301 December 2000 December 2000 Dec	shows the capabilition of chloride in p 4000 6000 8000 12000 R (Nitrile-Butadiene high content of hyd perature-resistant nd flush channels t	ities of the pump and motor in relatio oppm (x-axis).	ers Fkuump i



10/11/2020

Qty. | Description

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.

Date:

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 faces are ceramic/carbon. The material combination provides good dry-running resistance. 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 is fitted with the Grundfos Tempcon temperature sensor device that includes a NTC-resistor which senses the temperature. The resistor is built-in close to the winding. The temperature is converted into a high-frequency signal which is sent via the submersible drop cable and which can be converted into a temperature reading by means of Grundfos MP204.

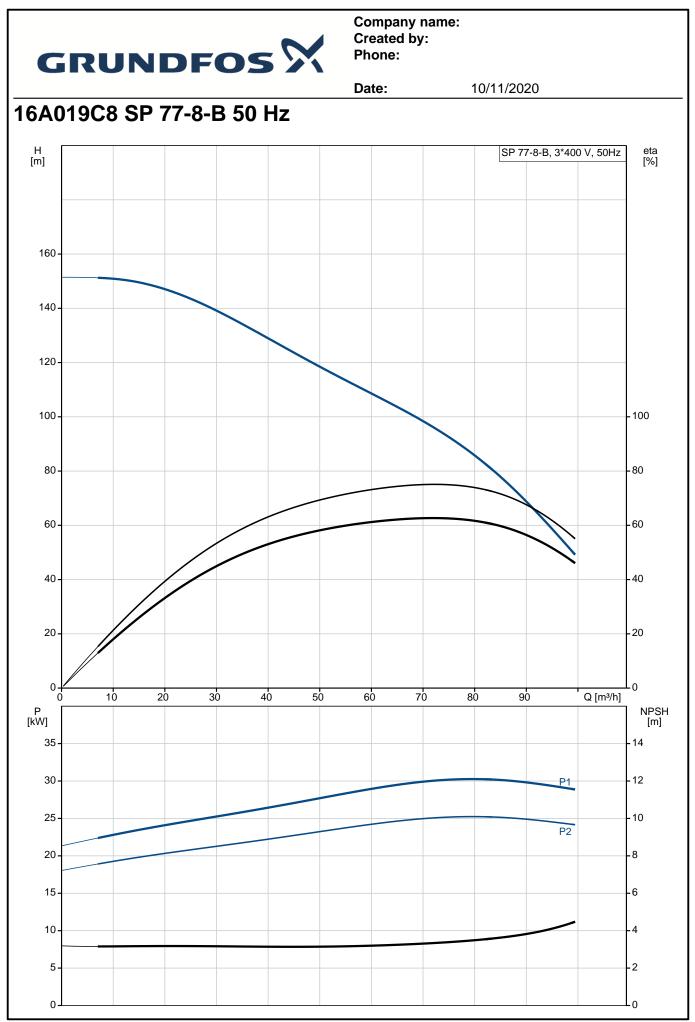
The MP204 is an electronic motor protection device that also monitors the supply network quality to protect the submersible motor against supply network disturbances.



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 dat Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate: Curve tolerance: Motor version:	a are based: 2900 rpm 77 m ³ /h 92 m CER/CARNBR CE,GOST2 ISO9906:2012 3B T40
Materials: Pump: Impeller: Motor:	Stainless steel EN 1.4301 AISI AISI 304 Stainless steel EN 1.4301 AISI AISI 304 Stainless steel DIN WNr. 1.4301 AISI 304
Installation: Pump outlet: Motor diameter: Electrical data: Motor type:	RP5 6 inch MS6000
	Pumped liquid: Maximum liquid temperature: Max liquid t at 0.15 m/sec: Selected liquid temperature: Density: Technical: Pump speed on which pump dat Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate: Curve tolerance: Motor version: Materials: Pump: Impeller: Motor: Installation: Pump outlet: Motor diameter:



	GRUNDFO		Date:	10/11/2020	
/.	Description				
-	Rated power - P2: Power (P2) required by pump:	26 kW 26 kW			
	Mains frequency:	50 Hz			
	Rated voltage: Rated current:	3 x 380-400-415 V 58.0-55.5-55.0 A			
	Starting current: Cos phi - power factor:	480-530-560 % 0.87-0.85-0.82			
	Rated speed: Start. method:	2850-2870-2880 rpm direct-on-line			
	Enclosure class (IEC 34-5): Insulation class (IEC 85):	IP68 F			
	Built-in temp. transmitter: Motor No:	yes 78195519			
	Others:	≏0/ \ V .			
	Minimum efficiency index, MEI a ErP status:	EuP Standalone/Proc	1.		
	Net weight: Gross weight:	127 kg 162 kg			
	Shipping volume: Country of origin:	0.295 m³ GB			
	Custom tariff no.:	84137029			

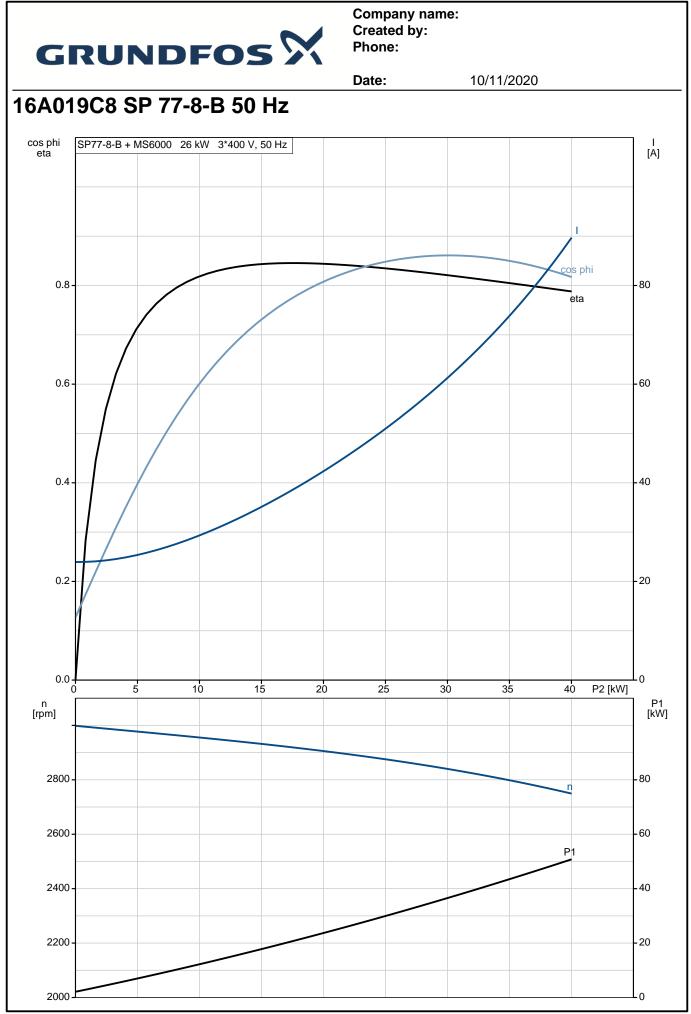




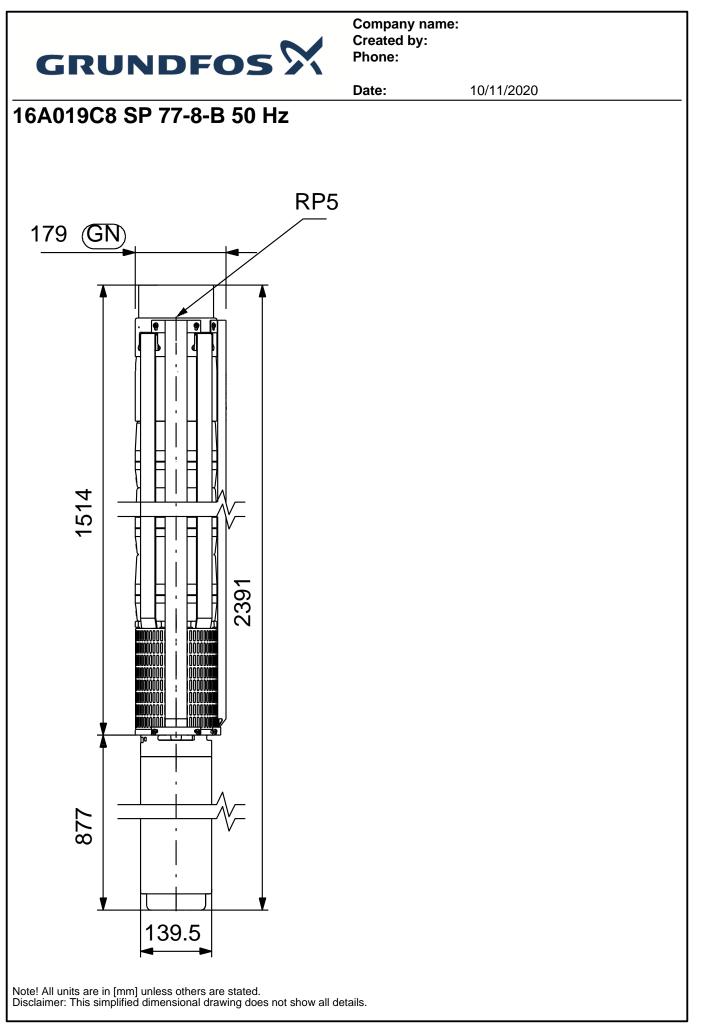
		Date:	10/11	/2020	
Description	Value	H [m]		SP 77-8-B, 3*400 V, 50Hz	eta [%]
General information:		-			
Product name:	SP 77-8-B	-			
Product No:	16A019C8	160 -			
EAN number:	5700393965003				
Price:	GBP 8089	140 -			
Technical:		-			
Pump speed on which pump data are		120 -			
based:	2900 rpm	100 -			- 100
Rated flow:	77 m³/h	100-			100
Rated head:	92 m	80 -			- 80
Stages:	8	80-			- 80
Impeller reduc.:	В	60 -			- 60
Shaft seal for motor:	CER/CARNBR	60 -			- 60
Approvals on nameplate:	CE,GOST2	40		Ň	10
Curve tolerance:	ISO9906:2012 3B	40			- 40
Model:	C				- 20
/alve:	YES	20			20
Motor version:	T40				Lo
Materials:	עדי	0 1/ 0 2	0 40	60 80 Q [m³/h]	-0
	Stainlass start	Р			NPSH
Pump:	Stainless steel	[kW]			[m]
Pump:	EN 1.4301	30 -		P1	- 12
Pump:	AISI AISI 304				- 10
Impeller:	Stainless steel	25-		P2	10
Impeller:	EN 1.4301	20-			-8
mpeller:	AISI AISI 304	15 -			-6
Motor:	Stainless steel	10-			-4
Motor:	DIN WNr. 1.4301				
Motor:	AISI 304	5-			-2
Installation:					Lo
Pump outlet:	RP5	I			
Motor diameter:	6 inch	RI	25		
Liquid:		1 <u>79 GN</u>			
Pumped liquid:	Water				
Maximum liquid temperature:	40 °C				
Maximum liquid temperature. Max liquid t at 0.15 m/sec:	40 °C	╴───┤┝┥┝┥┝┥			
	20 °C				
Selected liquid temperature:					
Density:	998.2 kg/m³				
Electrical data:	1100000	33			
Motor type:	MS6000				
Applic. motor:	GRUNDFOS				
Rated power - P2:	26 kW				
Power (P2) required by pump:	26 kW				
Mains frequency:	50 Hz				
Rated voltage:	3 x 380-400-415 V	139.5			
Rated current:	58.0-55.5-55.0 A				
Starting current:	480-530-560 %				
Cos phi - power factor:	0.87-0.85-0.82	Y/∆	DOL		
Rated speed:	2850-2870-2880 rpm				
Start. method:	direct-on-line	- • • • • • •	ΦΦΦ		
Enclosure class (IEC 34-5):	IP68				
Insulation class (IEC 34-3).	F	- 🔔 -			
Motor protec:	NONE	U1 V1 W1 PE	U1 V1 W1 PE		
Thermal protec:	external	- VMV	M		
Built-in temp. transmitter:	yes	3~	3~		
Motor No:	78195519				
Others:		U1, W2	Brown		
Minimum efficiency index, MEI ≥:		V1, U2 W1, V2	Black Grey		
	EuP Standalone/Prod.	, .2			
ErP status:					

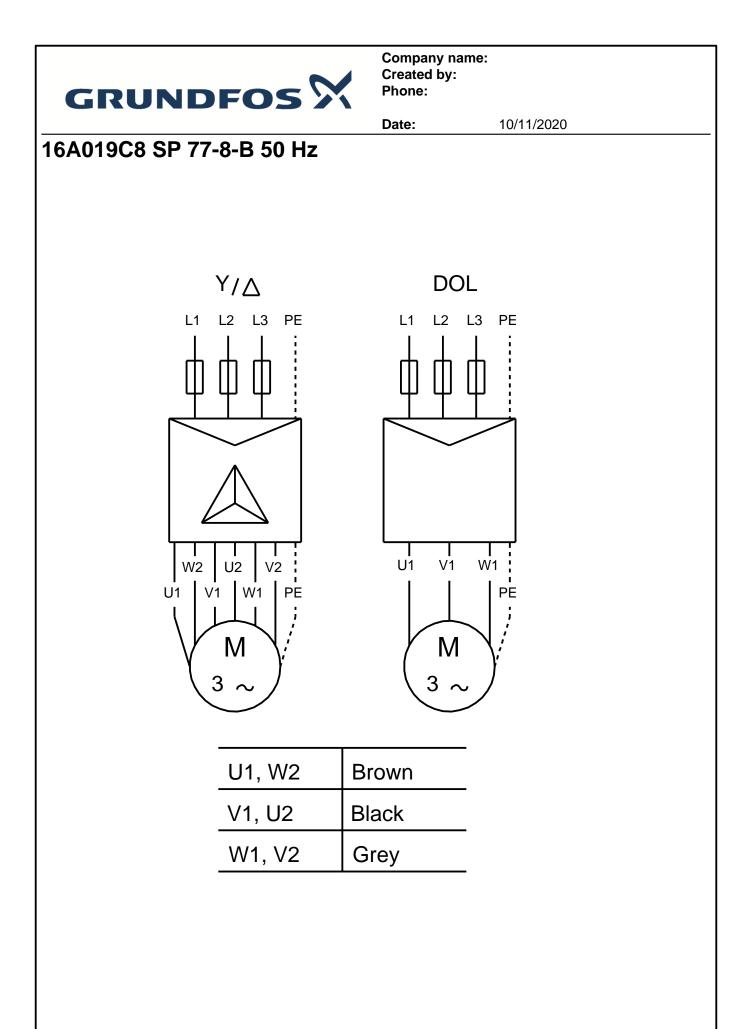


		Date:	10/11/2020
Description	Value		
Net weight:	127 kg	-	
Gross weight:	162 kg		
Shipping volume:	0.295 m ³		
Country of origin:	GB		
Custom tariff no.:	84137029		



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Note! All units are in [mm] unless others are stated.