	GRUNDFO	sX	Company name: Created by: Phone:
			Date:
Qty.	Description		
1	SP 30-3		

Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horizontally. All steel components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resistance. This pump carries drinking water approval.

Note! Product picture may differ from actual product

14/11/2019

The pump is fitted with a 3 kW MS4000 motor with sand shield, mechanical shaft seal, water-lubricated journal bearings and a volume compensating diaphragm. The motor is a canned type submersible motor offering good mechanical stability and high efficiency. Suitable for temperatures up to 40 °C.

The motor is not fitted with a temperature sensor. If temperature monitoring is desired, a Pt1000 sensor can be fitted.

The motor is for direct-on-line starting (DOL).

Product No.: 13A01903

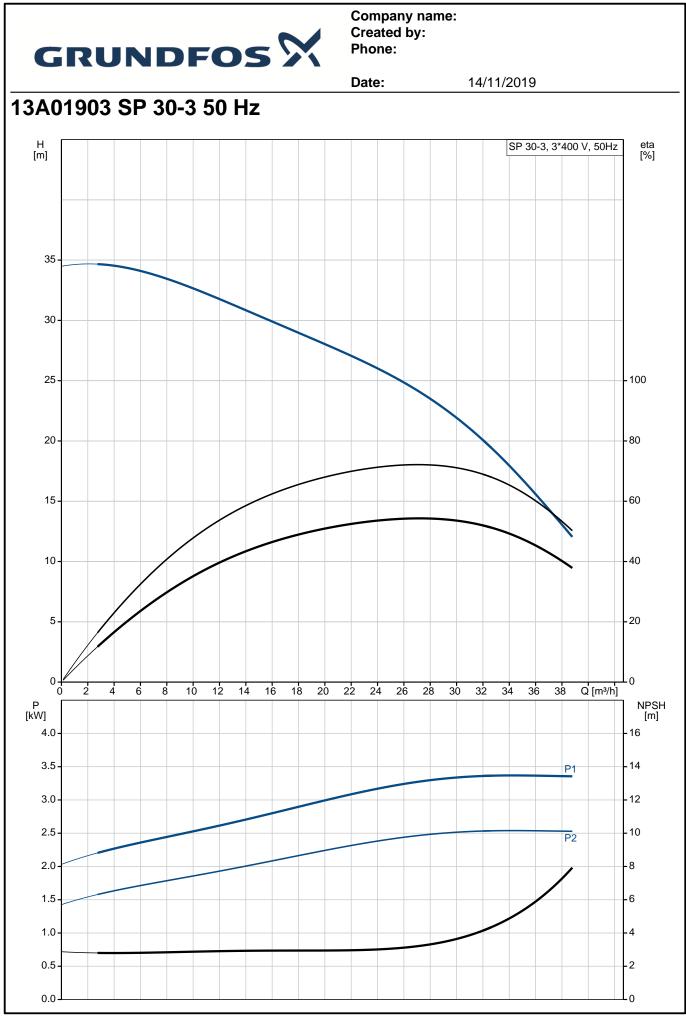
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Technical:	
Pump speed on which pump dat	ta are based: 2900 rpm
Rated flow:	30 m³/h
Rated head:	22 m
Shaft seal for motor:	HM/CER
Approvals on nameplate:	CE,EAC
Curve tolerance:	ISO9906:2012 3B
Motor version:	T40
Materials:	
Pump:	Stainless steel
	EN 1.4301

Impeller: Motor:	AISI 304 Stainless steel EN 1.4301 AISI 304 Stainless steel DIN WNr. 1.4301 AISI 304
Installation:	
Pump outlet:	RP3
Motor diameter:	4 inch



Company name: Created by: Phone:

Description     Electrical data:     Motor type:   MS4000     Rated power - P2:   3 kW     Power (P2) required by pump:   3 kW     Mains frequency:   50 Hz     Rated voltage:   3 x 380-400-415 V     Rated voltage:   3 x 380-400-415 V     Rated current:   7.0-7.85-8.10 A     Starting current:   460-490-500 %     Cos phi - power factor:   0.82-0.77-0.73     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:   79194508     Chers:   EuP Standalone/Prod.     Net weight:   28 kg     Gross weight:   32.4 kg     Shipping volume:   0.052 m <sup>3</sup> Danish VVS No.:   388338030
Motor type:MS4000Rated power - P2:3 kWPower (P2) required by pump:3 kWMains frequency:50 HzRated voltage:3 x 380-400-415 VRated current:7.70-7.85-8.10 AStarting current:460-490-500 %Cos phi - power factor:0.82-0.77-0.73Rated speed:2850-2865-2875 rpmStart. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEIMotor No:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Rated power - P2: 3 kW   Power (P2) required by pump: 3 kW   Mains frequency: 50 Hz   Rated voltage: 3 x 380-400-415 V   Rated current: 7.70-7.85-8.10 A   Starting current: 460-490-500 %   Cos phi - power factor: 0.82-0.77-0.73   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: 79194508   Others: EuP Standalone/Prod.   Minimum efficiency index, MEI 28 kg   Gross weight: 32.4 kg   Shipping volume: 0.052 m³
Power (P2) required by pump: 3 kW   Mains frequency: 50 Hz   Rated voltage: 3 x 380-400-415 V   Rated current: 7.70-7.85-8.10 A   Starting current: 460-490-500 %   Cos phi - power factor: 0.82-0.77-0.73   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: 79194508   Others:   Minimum efficiency index, MEI 0.50   ErP status: EuP Standalone/Prod.   Net weight: 28 kg   Gross weight: 32.4 kg   Shipping volume: 0.052 m³
Mains frequency:50 HzRated voltage: $3 \times 380-400-415 \vee$ Rated current: $7.70-7.85-8.10 \wedge$ Starting current: $460-490-500 \%$ Cos phi - power factor: $0.82-0.77-0.73$ Rated speed: $2850-2865-2875 \text{ rpm}$ Start. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEI: $0.50$ ErP status:EuP Standalone/Prod.Net weight: $28 \text{ kg}$ Gross weight: $32.4 \text{ kg}$ Shipping volume: $0.052 \text{ m}^3$
Mains frequency:50 HzRated voltage: $3 \times 380-400-415 \vee$ Rated current: $7.70-7.85-8.10 \wedge$ Starting current: $460-490-500 \%$ Cos phi - power factor: $0.82-0.77-0.73$ Rated speed: $2850-2865-2875 \text{ rpm}$ Start. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEI: $0.50$ ErP status:EuP Standalone/Prod.Net weight: $28 \text{ kg}$ Gross weight: $32.4 \text{ kg}$ Shipping volume: $0.052 \text{ m}^3$
Rated voltage: $3 \times 380-400-415 \vee$ Rated current: $7.70-7.85-8.10 \wedge$ Starting current: $460-490-500 \%$ Cos phi - power factor: $0.82-0.77-0.73$ Rated speed: $2850-2865-2875 \text{ rpm}$ Start. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No: $79194508$ Others:Minimum efficiency index, MEI: 0.50ErP status:EuP Standalone/Prod.Net weight: $28 \text{ kg}$ Gross weight: $32.4 \text{ kg}$ Shipping volume: $0.052 \text{ m}^3$
Rated current: 7.70-7.85-8.10 A   Starting current: 460-490-500 %   Cos phi - power factor: 0.82-0.77-0.73   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: 79194508   Others: EuP Standalone/Prod.   Net weight: 28 kg   Gross weight: 32.4 kg   Shipping volume: 0.052 m³
Starting current: $460-490-500 \%$ Cos phi - power factor: $0.82-0.77-0.73$ Rated speed: $2850-2865-2875 \text{ rpm}$ Start. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEI:0.50ErP status:EuP Standalone/Prod.Net weight: $28 \text{ kg}$ Gross weight: $32.4 \text{ kg}$ Shipping volume: $0.052 \text{ m}^3$
Cos phi - power factor:0.82-0.77-0.73Rated speed:2850-2865-2875 rpmStart. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEI:0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Rated speed:2850-2865-2875 rpmStart. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEI: 0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Start. method:direct-on-lineEnclosure class (IEC 34-5):IP68Insulation class (IEC 85):FBuilt-in temp. transmitter:noMotor No:79194508Others:Minimum efficiency index, MEI:0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Built-in temp. transmitter: no Motor No: 79194508 Others: Minimum efficiency index, MEI : 0.50 ErP status: EuP Standalone/Prod. Net weight: 28 kg Gross weight: 32.4 kg Shipping volume: 0.052 m <sup>3</sup>
Insulation class (IEC 85): F Built-in temp. transmitter: no Motor No: 79194508 Others: Minimum efficiency index, MEI : 0.50 ErP status: EuP Standalone/Prod. Net weight: 28 kg Gross weight: 32.4 kg Shipping volume: 0.052 m <sup>3</sup>
Built-in temp. transmitter:noMotor No:79194508Others:79194508Others:EuP Standalone/Prod.ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Motor No:79194508Others:Minimum efficiency index, MEI: 0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Others:Minimum efficiency index, MEI: 0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Minimum efficiency index, MEI: 0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Minimum efficiency index, MEI: 0.50ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
ErP status:EuP Standalone/Prod.Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Net weight:28 kgGross weight:32.4 kgShipping volume:0.052 m³
Gross weight:32.4 kgShipping volume:0.052 m³
Shipping volume: 0.052 m <sup>3</sup>
Danish VVS No.: 388338030





Description

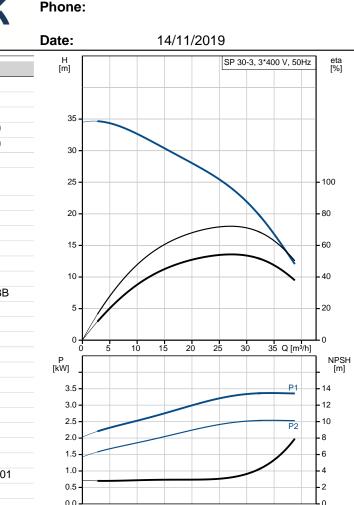
Product name:

General information:

Value

SP 30-3

## Company name: Created by: Phone:



Product name:	SP 30-3						
Product No:	13A01903	35 -					
EAN number:	5700391137709						
	5700391137709	30 -					
Technical:							
Pump speed on which pump data are based:	2900 rpm	25 -					- 100
Rated flow:	30 m³/h	~					
Rated head:	22 m	20 -				$\mathbf{h}$	- 80
Stages:	3	-				$\sim$	
Impeller reduc.:	NONE	15 -					- 60
Shaft seal for motor:	HM/CER	~				$\sim$	
Approvals on nameplate:	CE,EAC	10 -					40
Curve tolerance:	ISO9906:2012 3B						
Model:	В	5-					20
Valve:	YES	-					
Motor version:	T40						
Materials:		- o	5 10	15 20	25 30	) 35 Q [r	m³/h]
Pump:	Stainless steel	P [kW]					NP [r
1	EN 1.4301	-					
	AISI 304	3.5 -				P	
Impeller:	Stainless steel	3.0 -					- 12
	EN 1.4301	2.5				P	2 10
	AISI 304	2.0					- 8
Motor:	Stainless steel	1.5					- 6
	DIN WNr. 1.4301	1.0 -					- 4
	AISI 304	0.5					-2
Installation:	A151 504						
Pump outlet:	RP3	- <b>I</b>					0
Motor diameter:	4 inch	- 	RP3				
Liquid:	4 11011	- 134 GN					
Pumped liquid:	Water		ī				
	40 °C						
Maximum liquid temperature:	40 °C						
Max liquid t at 0.15 m/sec:	20 °C	2220					
Selected liquid temperature:							
Density: Electrical data:	998.2 kg/m <sup>3</sup>						
	MC 4000						
Motor type:	MS4000						
Applic. motor:	GRUNDFOS						
Rated power - P2:	3 kW	497					
Power (P2) required by pump:	3 kW						
Mains frequency:	50 Hz	95	L				
Rated voltage:	3 x 380-400-415 V						
Rated current:	7.70-7.85-8.10 A	L1 L2 L3	PE				
Starting current:	460-490-500 %	- 111	1				
Cos phi - power factor:	0.82-0.77-0.73	фф	i				
Rated speed:	2850-2865-2875 rpm	ͺΨΨΨ	i				
Start. method:	direct-on-line		7				
Enclosure class (IEC 34-5):	IP68						
Insulation class (IEC 85):	F						
Motor protec:	NONE	-					
Thermal protec:	external		_ <u> </u>				
Built-in temp. transmitter:	no	- U V W	I PF				
Motor No:	79194508		1				
Others:			į				
Minimum efficiency index, MEI :	0.50	( M )	Ý				
ErP status:	EuP Standalone/Prod.	3~)	l				

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Company name: Created by: Phone:

		Date:	14/11/2019	
Description	Value			
Net weight:	28 kg			
Gross weight:	32.4 kg			
Shipping volume:	0.052 m <sup>3</sup>			
Danish VVS No.:	388338030			