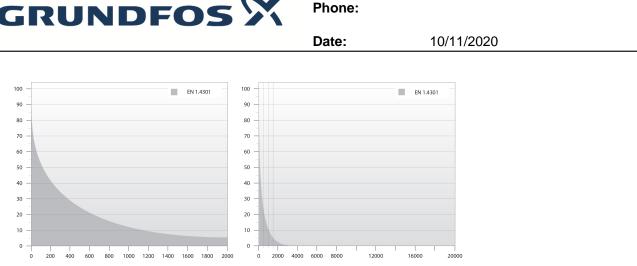




Company name: Created by:



The elastomer parts in the pump are made of NBR (Nitrile-Butadiene Rubber) which ensures good wear resistance and long service intervals.

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 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.

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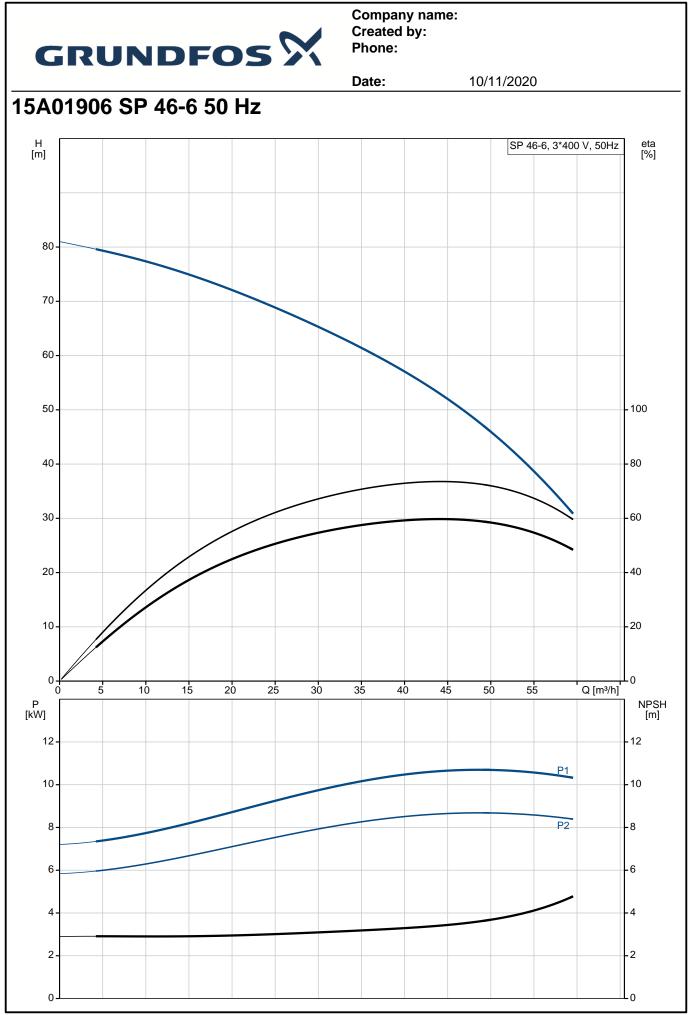


Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Technical: Pump speed on which pump da Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate:	ata are based: 2900 rp 46 m³/h 52 m CER/CARNBR CE,GOST2



Company name:

	GRUNDFO	osX	Created by: Phone:	
	Description		Date:	10/11/2020
	Curve tolerance:	ISO9906:2012 3B		
	Motor version:	T40		
	Materials:			
	Pump:	Stainless steel EN 1.4301 AISI AISI 304		
	Impeller:	Stainless steel EN 1.4301 AISI AISI 304		
	Motor:	Stainless steel DIN WNr. 1.4301 AISI 304		
	Installation:			
	Pump outlet:	RP4		
	Motor diameter:	6 inch		
	Electrical data:			
	Motor type:	MS6000		
	Rated power - P2:	9.2 kW		
	Power (P2) required by pump:			
	Mains frequency:	50 Hz		
	Rated voltage:	3 x 380-400-415 V		
	Rated current:	21.8-21.2-21.2 A		
	Starting current:	480-520-550 %		
	Cos phi - power factor:	0.84-0.82-0.78		
	Rated speed:	2850-2870-2880 rpm	1	
	Start. method:	direct-on-line		
	Enclosure class (IEC 34-5):	IP68		
	Insulation class (IEC 85):	F		
	Built-in temp. transmitter:	yes		
	Motor No:	78195513		
	Others:	<u>^</u> 0/ \/- ○ <b>/</b> ○		
	Minimum efficiency index, MEI á ErP status:	a‰¥: 0.40 EuP Standalone/Proc	d.	
	Net weight:	65 kg		
	Gross weight:	90.8 kg		
	Shipping volume:	0.2 m <sup>3</sup>		
	Danish VVS No.:	388340060		
	Country of origin:	GB		
	Custom tariff no.:	84137029		
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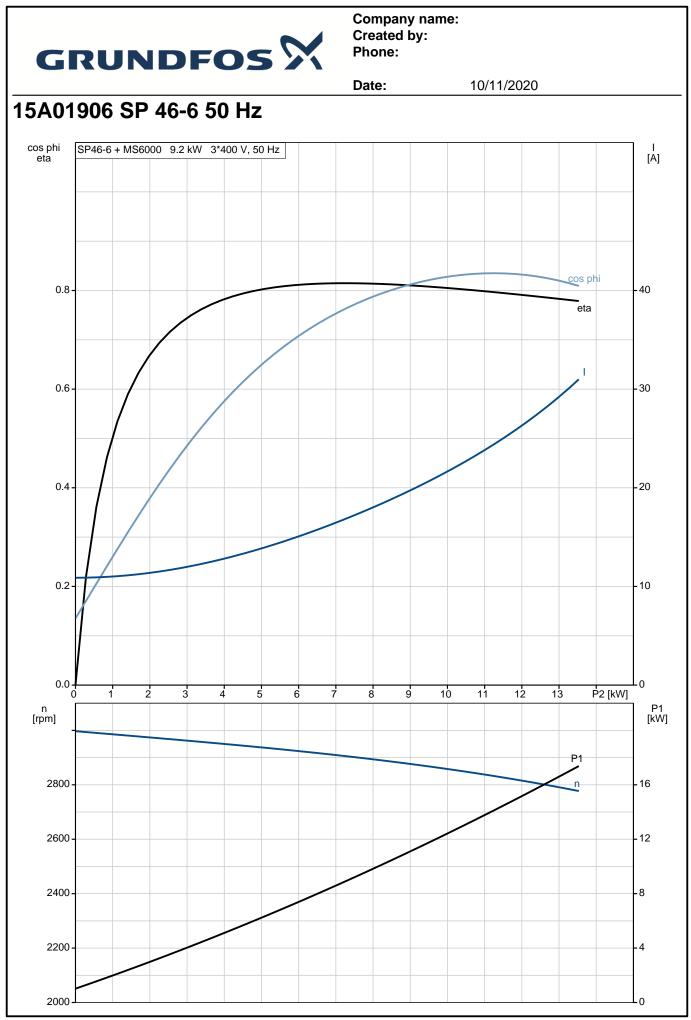
## Company name: Created by: Phone:

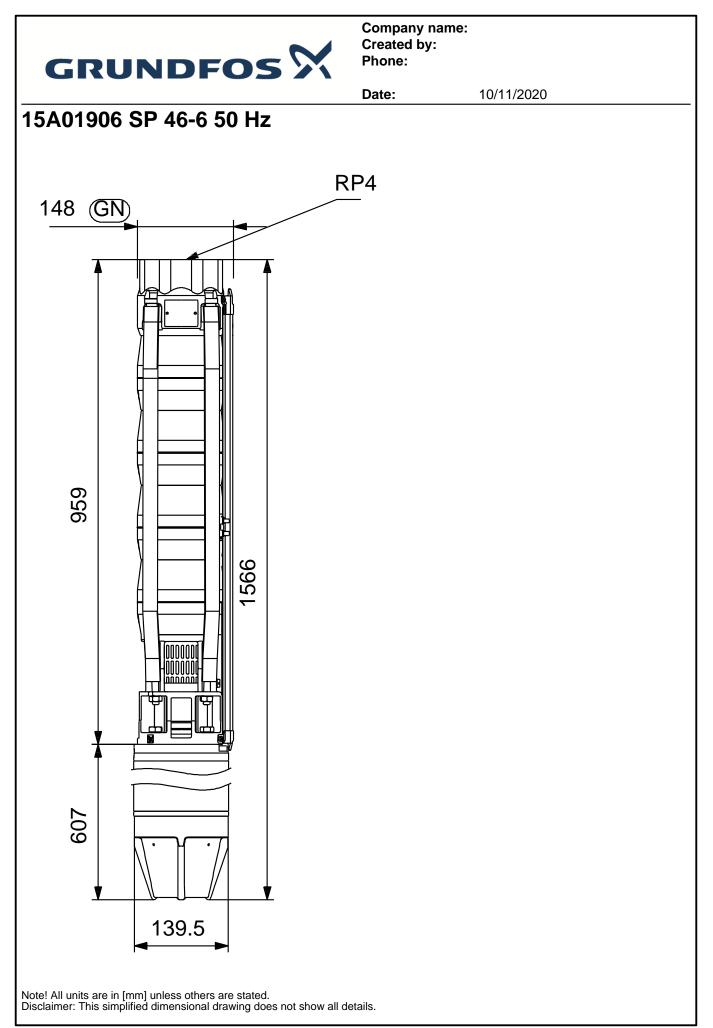
		Date:	10/11/	2020	
Description	Value	H [m]		SP 46-6, 3*400 V, 5	0Hz eta [%]
General information:					
Product name:	SP 46-6	-			
Product No:	15A01906	80 -			
EAN number:	5708601060656				
Price:	GBP 4560	70 -			
Technical:		-			
Pump speed on which pump data are based:	2900 rpm	60 -			
Rated flow:	46 m³/h	50 -			- 100
Rated head:	52 m	-			
Stages:	6	40 -			- 80
Impeller reduc.:	NONE	-			
Shaft seal for motor:	CER/CARNBR	30 -		v	- 60
Approvals on nameplate:	CE,GOST2	-			
Curve tolerance:	ISO9906:2012 3B	20-	//		- 40
Model:	B				
Valve:	YES	10-			- 20
Motor version:	T40				0
Materials:	עדו	0 <del> /</del> 0 10	20 30	40 50 Q [n	n³/h]
Pump:	Stainless steel	P [kW]			NPSH [m]
Pump:	EN 1.4301	[[[]]]			
	AISI AISI 304	10-		P1	10
Pump:		- 10-			- 10
Impeller:	Stainless steel	8-		P2	- 8
Impeller:	EN 1.4301	6-			- 6
Impeller:	AISI AISI 304				Ŭ
Motor:	Stainless steel	4 -			- 4
Motor:	DIN WNr. 1.4301	2-			-2
Motor:	AISI 304				
Installation:		0			L0
Pump outlet:	RP4	<b>L</b>	RP4		
Motor diameter:	6 inch	1 <u>48 GN</u>	-		
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 <sup>3</sup>				
Electrical data:					
Motor type:	MS6000				
Applic. motor:	GRUNDFOS				
Rated power - P2:	9.2 kW				
Power (P2) required by pump:	9.2 kW				
Mains frequency:	50 Hz	╶╶╺┟┡╙┦┥			
Rated voltage:	3 x 380-400-415 V	139.5			
Rated current:	21.8-21.2-21.2 A				
Starting current:	480-520-550 %				
Cos phi - power factor:	0.84-0.82-0.78	Y/∆	DOL		
Rated speed:	2850-2870-2880 rpm				
Start. method:	direct-on-line		ΦΦΦ		
Enclosure class (IEC 34-5):	IP68				
Insulation class (IEC 85):	F				
Motor protec:	NONE	W2 U2 V2	U1 V1 W1		
Thermal protec:	external	- U1 V1 W1 PE			
Built-in temp. transmitter:		- ҮмУ	M		
Motor No:	yes	3~	3~		
	78195513	U1, W2	Brown		
Others:	0.40	V1, U2	Black		
Minimum efficiency index, MEI ≥:	0.40 EuP Standalone/Prod.	W1, V2	Grey		
	LUU Standalana/Brad				

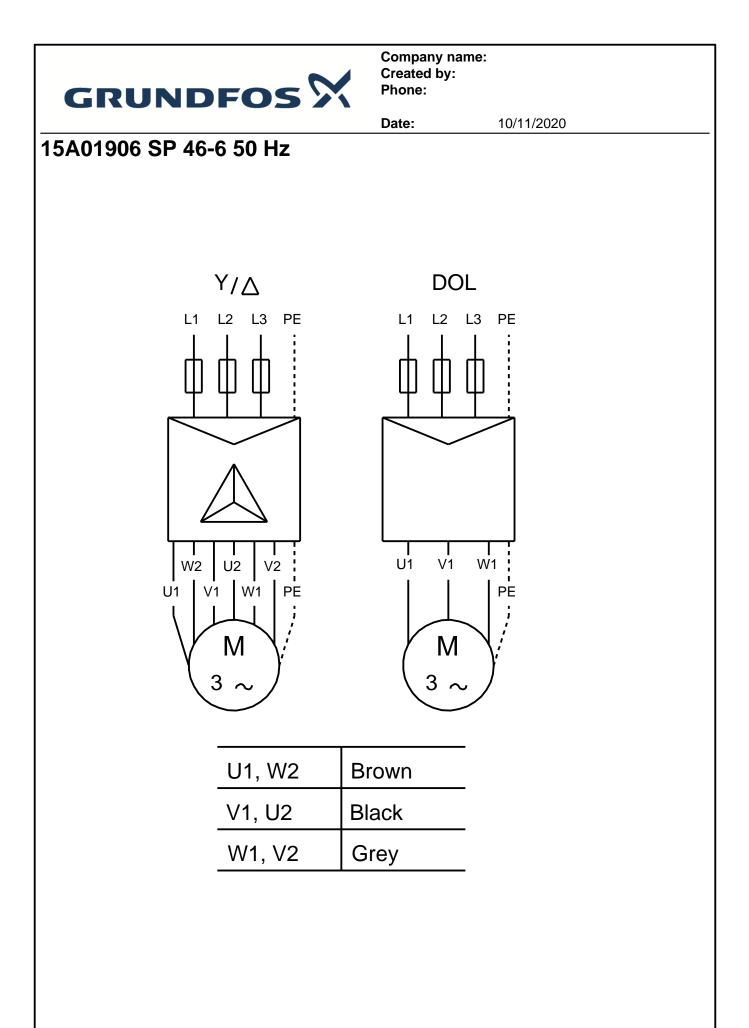


Company name: Created by: Phone:

		Date:	10/11/2020
Description	Value		
Net weight:	65 kg	-	
Gross weight:	90.8 kg		
Shipping volume:	0.2 m <sup>3</sup>		
Danish VVS No.:	388340060		
Country of origin:	GB		
Custom tariff no.:	84137029		







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