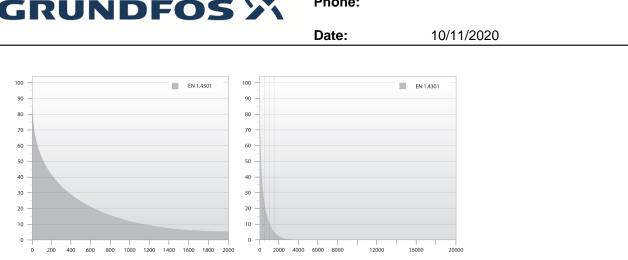




Company name: Created by: Phone:



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.

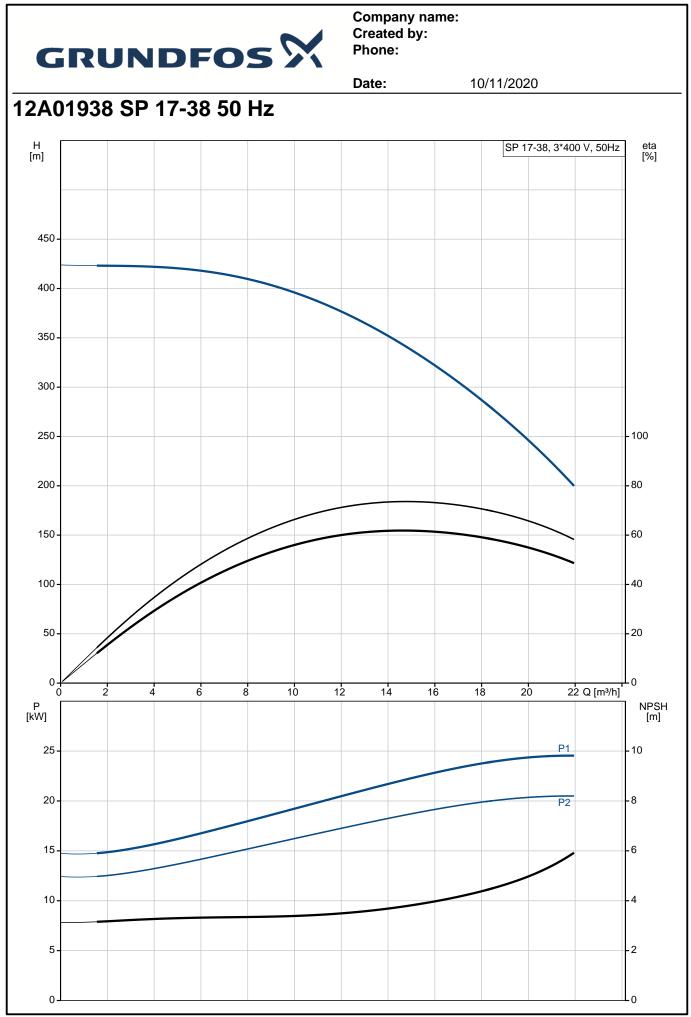


Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Technical: Pump speed on which pump da Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate:	ata are based: 2900 rpm 17 m³/h 313 m CER/CARNBR CE,GOST2



Company name:

GRUNDFO	os X	Phone: Date:	10/11/2020
Description		Date:	10/11/2020
Curve tolerance:	ISO9906:2012 3B		
Motor version:	T40		
Materials: Pump:	Stainless steel		
Fump.	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:	RP2 1/2		
Motor diameter:	6 inch		
Electrical data:			
Motor type:	MS6000		
Rated power - P2:	22 kW		
Power (P2) required by pump:			
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-400-415 V		
Rated current: Starting current:	49.5-47.5-46.5 A 480-530-560 %		
Cos phi - power factor:	480-530-560 % 0.86-0.84-0.82		
Rated speed:	2850-2870-2880 rpm		
Start. method:	direct-on-line		
Enclosure class (IEC 34-5):	IP68		
Insulation class (IEC 85):	F		
Built-in temp. transmitter:	yes		
Motor No:	78195518		
Others:			
Minimum efficiency index, MEI			
ErP status:	EuP Standalone/Proc	d.	
Net weight: Gross weight:	125 kg 170 kg		
Shipping volume:	0.412 m <sup>3</sup>		
Danish VVS No.:	388336380		
Country of origin:	DK		
Custom tariff no .:	84137029		





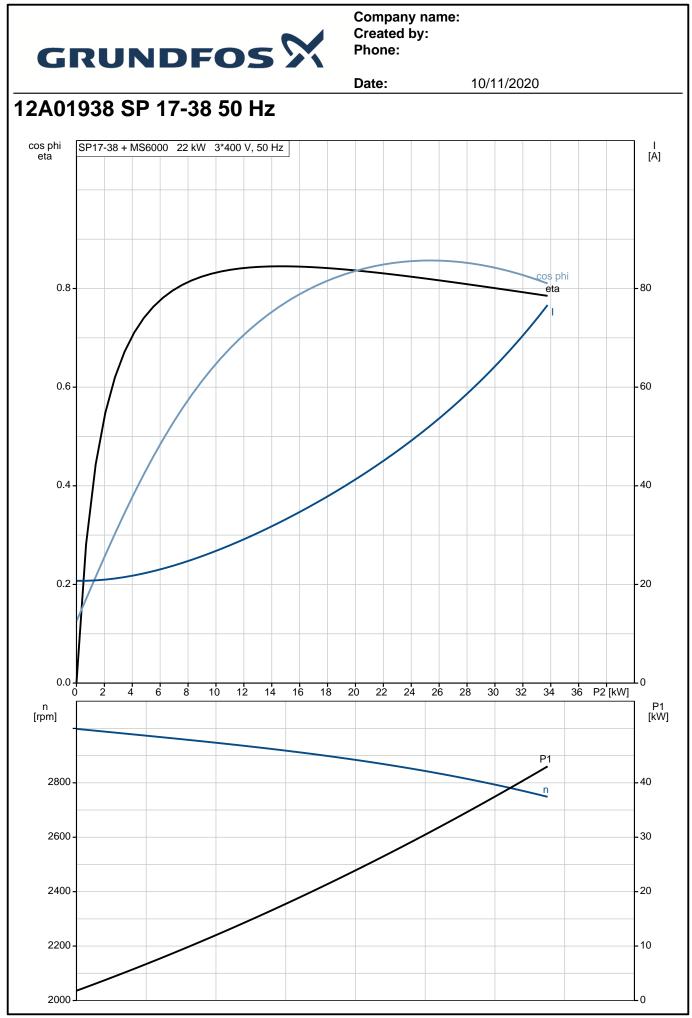
## Company name: Created by: Phone:

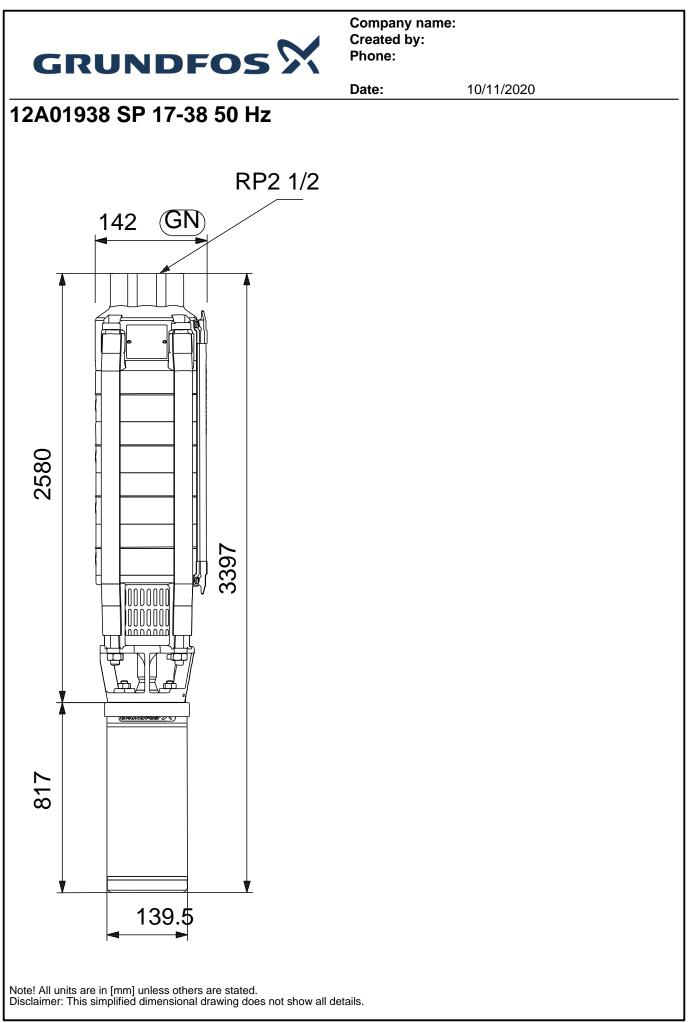
		Date:	10/11	10/11/2020		
Description	Value	H [m]		SP 17-38, 3	*400 V, 50Hz	eta [%]
General information:						
Product name:	SP 17-38					
Product No:	12A01938	450 -				
EAN number:	5700391132308					
Price:	GBP 8404	400 -				
Technical:		350 -				
		350 -				
Pump speed on which pump data are based:	2900 rpm	300 -				
Rated flow:	17 m³/h	250 -				- 100
Rated head:	313 m	230-				- 100
Stages:	38	200 -				- 80
mpeller reduc.:	NONE					
Shaft seal for motor:	CER/CARNBR	150 -				- 60
Approvals on nameplate:	CE,GOST2					
Curve tolerance:	ISO9906:2012 3B	100 -				- 40
Model:	B					
/alve:		50-				- 20
	YES					
Motor version:	T40	0	5 10	15	20 Q [m³/h]	L <sub>0</sub>
Materials:		P Ĺ	- 10	.5	c c [iii /ii]	NPSH
Pump:	Stainless steel	[kW]			P1	[m]
Pump:	EN 1.4301	25 -			FI	- 10
Pump:	AISI AISI 304	20 -				-8
mpeller:	Stainless steel	20-			P2	<b>F</b> °
mpeller:	EN 1.4301	15			_	-6
mpeller:	AISI AISI 304					
Aotor:	Stainless steel	10 -				-4
Aotor:	DIN WNr. 1.4301					
		5-				-2
Motor:	AISI 304					Lo
nstallation:		0				<b>L</b> 0
Pump outlet:	RP2 1/2	RP2	/2			
Motor diameter:	6 inch	142 GN				
_iquid:		the first the test of test				
Pumped liquid:	Water					
Maximum liquid temperature:	40 °C					
Max liquid t at 0.15 m/sec:	40 °C					
Selected liquid temperature:	20 °C	5280				
Density:	998.2 kg/m <sup>3</sup>					
Electrical data:		3397				
	MS6000					
Motor type:		<u> </u>				
Applic. motor:	GRUNDFOS					
Rated power - P2:	22 kW	812				
Power (P2) required by pump:	22 kW	.				
Mains frequency:	50 Hz	120 -				
Rated voltage:	3 x 380-400-415 V	139.5				
Rated current:	49.5-47.5-46.5 A					
Starting current:	480-530-560 %					
Cos phi - power factor:	0.86-0.84-0.82	Y/∆	DOL			
Rated speed:	2850-2870-2880 rpm	L1 L2 L3 PE	L1 L2 L3 PE			
Start. method:	direct-on-line	фф	ФФ			
Enclosure class (IEC 34-5):	IP68					
nsulation class (IEC 85):	F					
Motor protec:	NONE	U1 V1 V1 V2 V2	U1 V1 W1			
Thermal protec:	external					
Built-in temp. transmitter:	yes	( M 3 ~)	$\begin{pmatrix} M \\ 3 \end{pmatrix}$			
Motor No:	78195518		-			
Others:		U1, W2	Brown			
Minimum efficiency index, MEI ≥:	0.70	V1, U2	Black			
	EuP Standalone/Prod.	W1, V2	Grey			
ErP status:	Eur Standalone/Prod.					

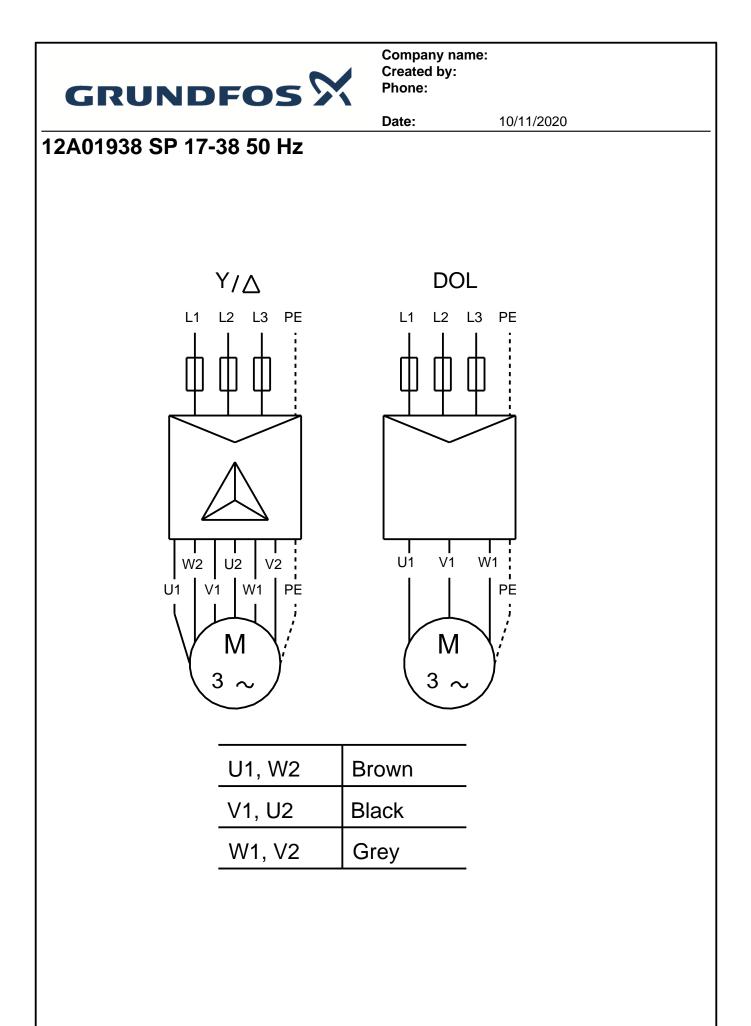


Company name: Created by: Phone:

		Date:	10/11/2020
Description Net weight:	Value 125 kg		
Gross weight:	170 kg		
Shipping volume:	0.412 m <sup>3</sup>		
Danish VVS No.:	388336380		
Country of origin:	DK		
Custom tariff no.:	84137029		







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