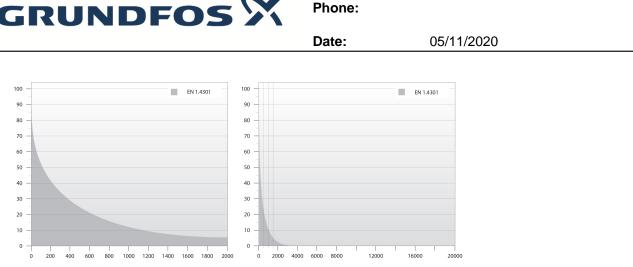




Company name: Created by:



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.

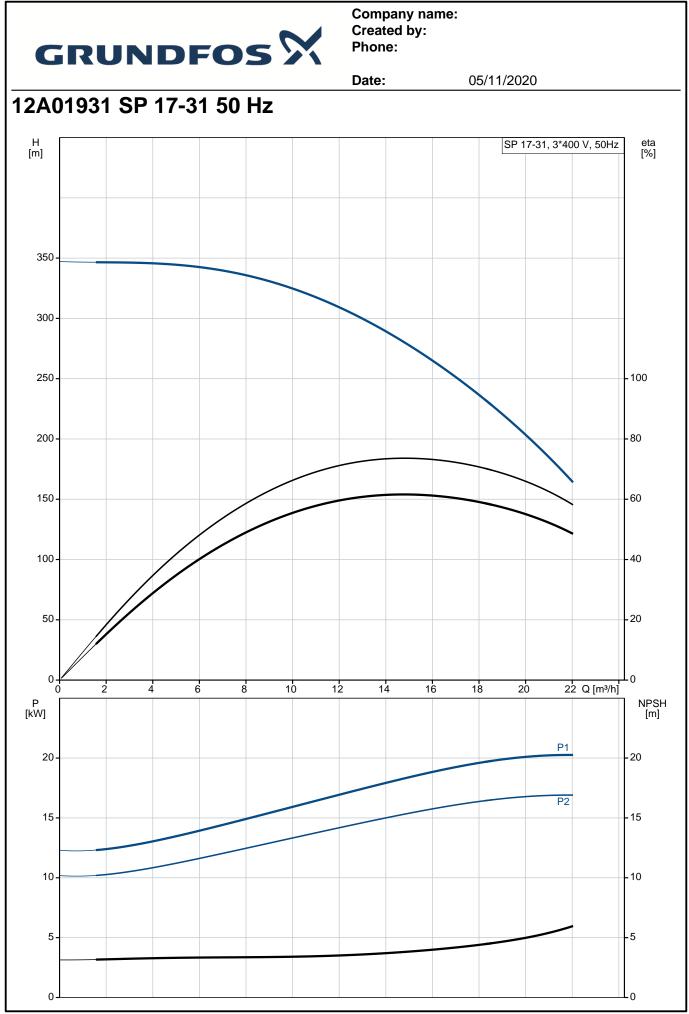


Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Max liquid t at 0.15 m/sec:	40 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Technical: Pump speed on which pump da Rated flow: Rated head: Shaft seal for motor: Approvals on nameplate:	tta are based: 2900 rpm 17 m³/h 255 m CER/CARNBR CE,GOST2



Company name:

GRUNDFO	os 🕅	Company name: Created by: Phone: Date:	05/11/2020
Description		Date:	05/11/2020
Curve tolerance:	ISO9906:2012 3B		
Motor version:	T40		
Materials:			
Pump:	Stainless steel		
i unp.	EN 1.4301		
	AISI AISI 304		
Impeller:	Stainless steel		
impolion	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:	18.5 kW		
Power (P2) required by pump:			
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-400-415 V		
Rated current:	42.0-41.0-41.5 A		
Starting current:	510-560-580 %		
Cos phi - power factor: Rated speed:	0.85-0.82-0.79 2860-2880-2890 rpm		
Start. method:	direct-on-line		
Enclosure class (IEC 34-5):	IP68		
Insulation class (IEC 85):	F		
Built-in temp. transmitter:			
•	yes		
Motor No:	78195517		
Others:			
Minimum efficiency index, MEI			
ErP status:	EuP Standalone/Proc	J.	
Net weight:	108 kg		
Gross weight:	150 kg		
Shipping volume:	0.369 m ³		
Danish VVS No.:	388336310		
Country of origin:	DK		
Custom tariff no .:	84137029		



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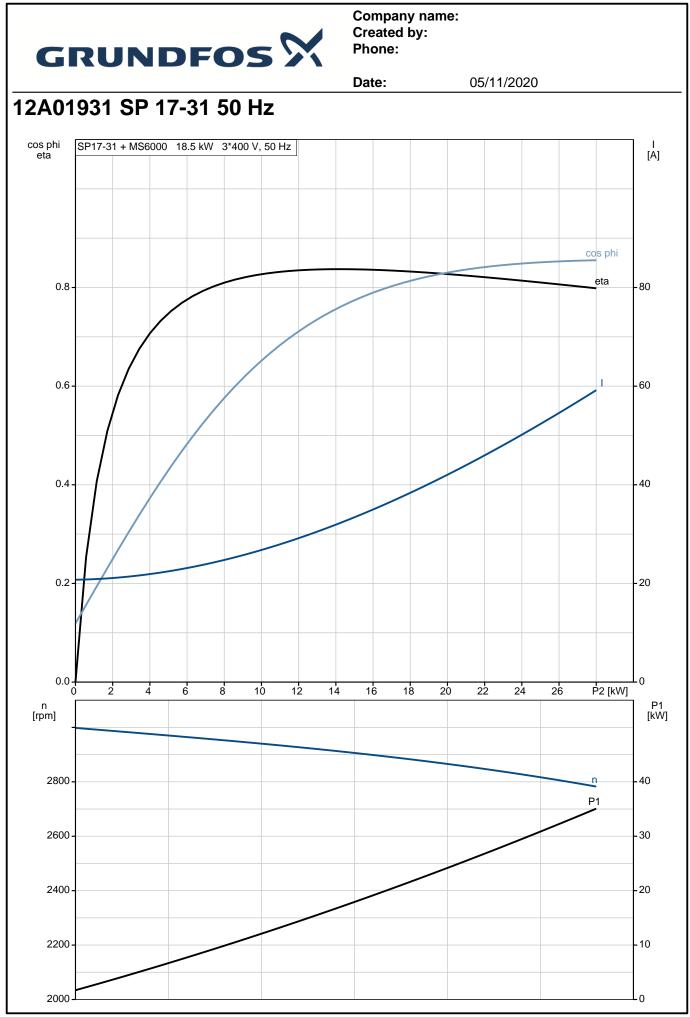
Company name: Created by: Phone:

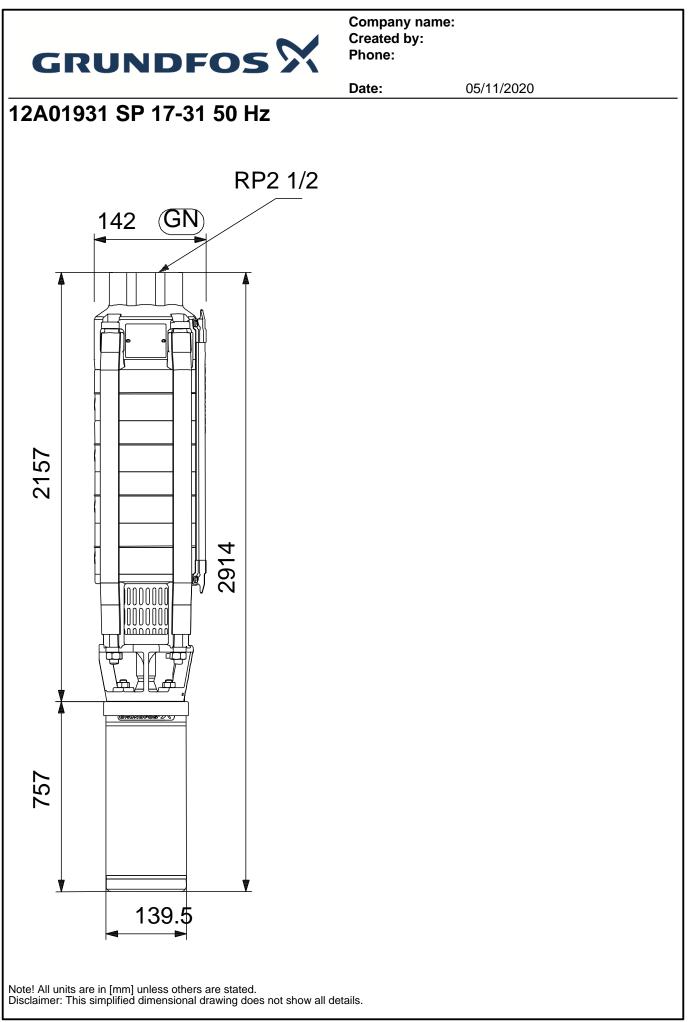
		Date:	05/11	/2020	
Description	Value	H [m]		SP 17-31, 3*400 V, 50Hz	eta [%]
General information:					
Product name:	SP 17-31				
Product No:	12A01931	350 -			
EAN number:	5700391132049	350 -			
Price:	GBP 7503				
Technical:	02	300 -			
Pump speed on which pump data are based:	2900 rpm	250 -			- 100
Rated flow:	17 m³/h				
Rated head:	255 m	200 -			- 80
Stages:	31				
Impeller reduc.:	NONE	150 -		\sim	- 60
Shaft seal for motor:	CER/CARNBR				
		100 -			- 40
Approvals on nameplate:	CE,GOST2	100-			- 40
Curve tolerance:	ISO9906:2012 3B				
Model:	В	50-			- 20
Valve:	YES				
Motor version:	T40	o //	5 10	15 20 Q [m³/h]	Lo
Materials:		P [5 10	າວ 20 ພ [m³/h]	NPSH
Pump:	Stainless steel	P [kW]			[m]
Pump:	EN 1.4301	20 -		P1	- 20
Pump:	AISI AISI 304	-			
Impeller:	Stainless steel	15 -		P2	- 15
Impeller:	EN 1.4301				
Impeller:	AISI AISI 304	10-			- 10
Motor:	Stainless steel				
Motor:	DIN WNr. 1.4301	5 -			- 5
Motor:	AISI 304	· · · · ·			Ŭ
	AISI 504	0			Lo
Installation:		j			-0
Pump outlet:	RP2 1/2		2 1/2		
Motor diameter:	6 inch	142 GN			
Liquid:					
Pumped liquid:	Water				
Maximum liquid temperature:	40 °C				
Max liquid t at 0.15 m/sec:	40 °C	22			
Selected liquid temperature:	20 °C	5			
Density:	998.2 kg/m³	5314			
Electrical data:					
Motor type:	MS6000	EUD			
Applic. motor:	GRUNDFOS				
Rated power - P2:	18.5 kW	757			
Power (P2) required by pump:	18.5 kW				
Mains frequency:	50 Hz				
Rated voltage:	3 x 380-400-415 V	139.5			
Rated current:	42.0-41.0-41.5 A				
Starting current:	510-560-580 %	Y/A	DOL		
Cos phi - power factor:	0.85-0.82-0.79	. L1 L2 L3 P			
Rated speed:	2860-2880-2890 rpm	φφφ	фф		
Start. method:	direct-on-line				
Enclosure class (IEC 34-5):	IP68				
Insulation class (IEC 85):	F		ļ		
Motor protec:	NONE				
Thermal protec:	external		PE		
Built-in temp. transmitter:	yes	(<u>M</u>) 3 ~)	$\begin{pmatrix} M \\ 3 \sim \end{pmatrix}$		
Motor No:	78195517				
Others:		U1, W2	2 Brown		
Minimum efficiency index, MEI ≥:	0.70	V1, U2			
-	EuP Standalone/Prod.	W1, V2	2 Grey		
ErP status:					

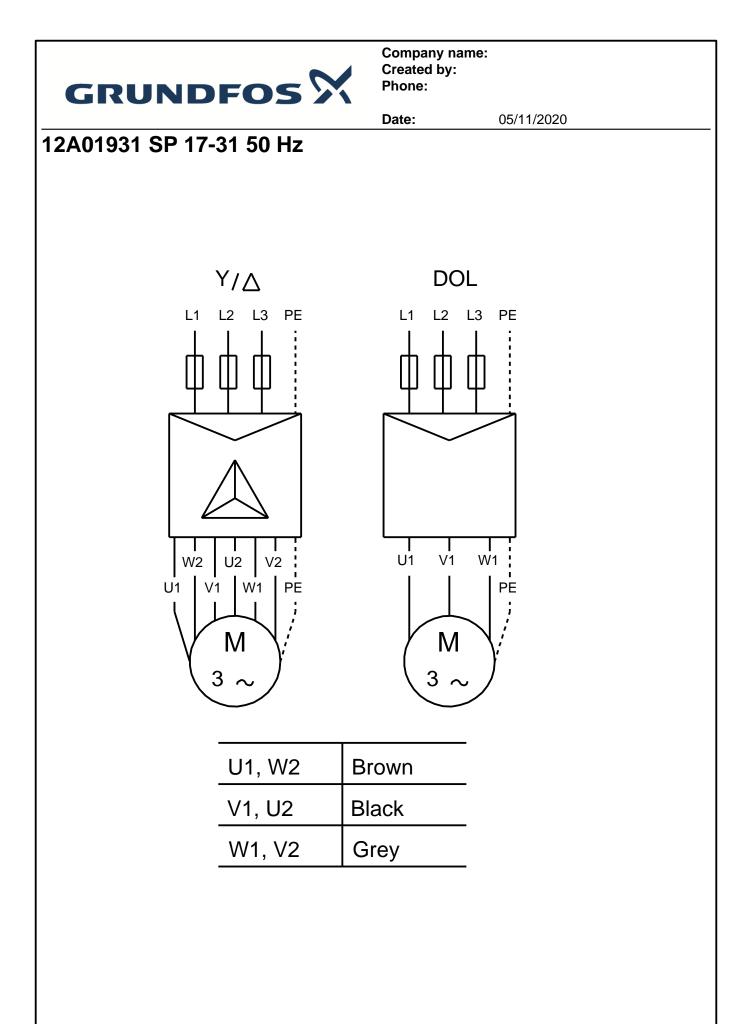


Company name: Created by: Phone:

		Date:	05/11/2020
Description	Value		
Net weight:	108 kg	-	
Gross weight:	150 kg		
Shipping volume:	0.369 m ³		
Danish VVS No.:	388336310		
Country of origin:	DK		
Custom tariff no.:	84137029		







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