

30/06/2017

Position Qty. Description

1



Note! Product picture may differ from actual product

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework.

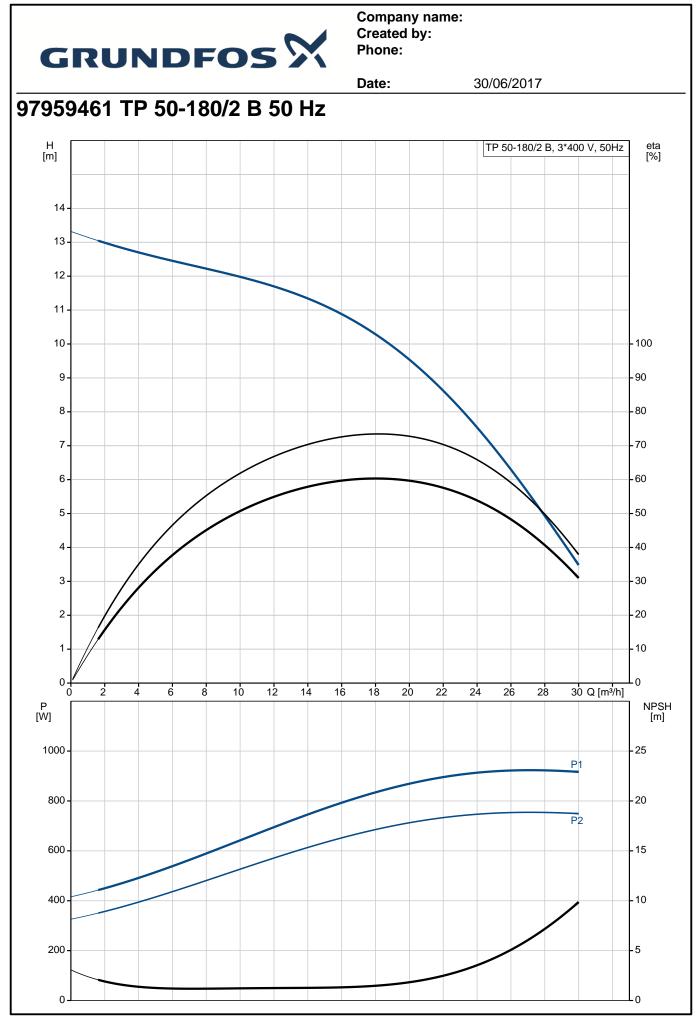
The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 6/10 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -25 120 °C tion: 20 °C 998.2 kg/m³
Technical: Speed for pump data: Rated flow: Rated head: Primary shaft seal: Curve tolerance:	2850 rpm 18.3 m³/h 10.2 m BQQE ISO9906:2012 3B
Materials: Pump housing: Impeller:	Bronze DIN WNr. 2.1050 ASTM B505-C90700 Stainless steel DIN WNr. 1.4301 AISI 304
Installation: Range of ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pressure stage: Port-to-port length: Flange size for motor:	-30 60 °C 10 bar DIN DN 50 PN 6/10 280 mm FT100
Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage:	80A IE3 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V



			Date:	30/06/2017
sition	Qty.	Description		
		Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	3,30/1,90 A 580-620 % 0,81-0,71 2840-2870 rpm IE3 80,7% 80.7 % 82.7 % 81.7 %	
		Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	2 55 Dust/Jetting F	
		Others: Label: Minimum efficiency index, MEI ErP status: Net weight: Gross weight: Shipping volume: Danish:	Grundfos Blueflux : 0.70 EuP Standalone/Prod. 31.3 kg 34.8 kg 0.06 m ³ VVS NO 38 1883.180	

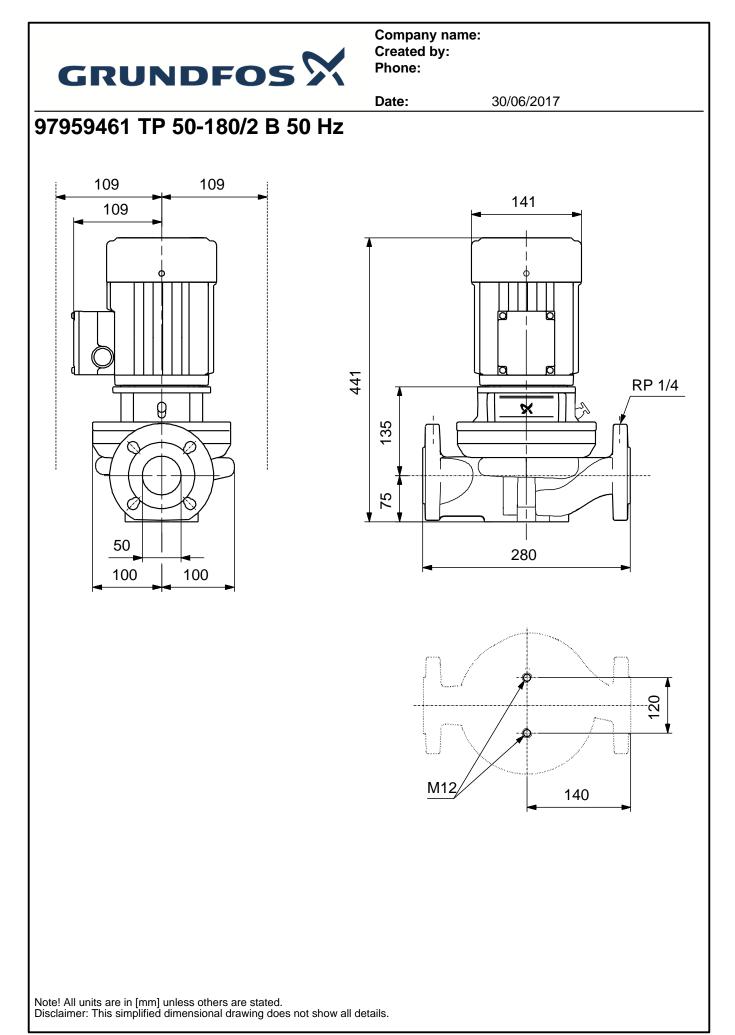




		Date:		6/2017	
Description	Value	H [m]		TP 50-180/2 B	, 3*400 V, 50Hz
General information:		-			
Product name:	TP 50-180/2 B A-F-Z-BQQE	14 -			
Product No:	97959461	13 -			
EAN number:	5710627115555	12 -			
		11 -			
Technical:					
Speed for pump data:	2850 rpm	10 -			
Rated flow:	18.3 m³/h	9 -			
Rated head:	10.2 m	8 -			
Head max:	180 dm	7 -		ľ ľ	
Primary shaft seal:	BQQE				\mathbf{A}
Curve tolerance:	ISO9906:2012 3B	6 -		\frown	
Pump version:	Α	5 -			$\backslash \backslash$
Model:	А	4			
		3-			N
Materials:					
Pump housing:	Bronze	2-			
	DIN WNr. 2.1050	1-			
	ASTM B505-C90700	• • 			
Impeller:	Stainless steel	0 8 P	5 10	15 20	25 Q [m³/h]
	DIN WNr. 1.4301	[W]			
	AISI 304	1000 -			P1
Material code:	Z	-			
		800 -			P2
Installation:		600 -			P2
Range of ambient temperature:	-30 60 °C	000			
Maximum operating pressure:	10 bar	400			
Flange standard:	DIN				
Connect code:	F	200 -			
Pipe connection:	DN 50				
Pressure stage:	PN 6/10	0 –			
Port-to-port length:	280 mm				
Flange size for motor:	FT100				
Liquid:					
Pumped liquid:	Water				
Liquid temperature range:	-25 120 °C				
Liquid temperature during operation:	20 °C				
Density:	998.2 kg/m ³				
Lonsity.	000.2 Ng/11				
Electrical data:					
Motor type:	80A				
IE Efficiency class:	IE3				
Rated power - P2:	0.75 kW				
Power (P2) required by pump:	0.75 kW				
Mains frequency:	50 Hz				
Rated voltage:	3 x 220-240D/380-415Y V				
Rated current:	3,30/1,90 A				
Starting current:	580-620 %				
Cos phi - power factor:	0,81-0,71				
Rated speed:	2840-2870 rpm				
Efficiency:	IE3 80,7%				
Motor efficiency at full load:	80.7 %				
Motor efficiency at 3/4 load:	82.7 %				
Motor efficiency at 1/2 load:	81.7 %				
Number of poles:	2				
Enclosure class (IEC 34-5):	55 Dust/Jetting				
Insulation class (IEC 85):	F				
11301au011 01a33 (ILO 03).	1				



		Date:	30/06/2017
Description	Value		
Motor No:	85U05104		
Others:			
Label:	Grundfos Blueflux		
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	31.3 kg		
Gross weight:	34.8 kg		
Shipping volume:	0.06 m ³		
Danish:	VVS NO 38 1883.180		





30/06/2017

Date:

97959461 TP 50-180/2 B 50 Hz

