

Date:

30/06/2017

#### Position Qty. Description

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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.

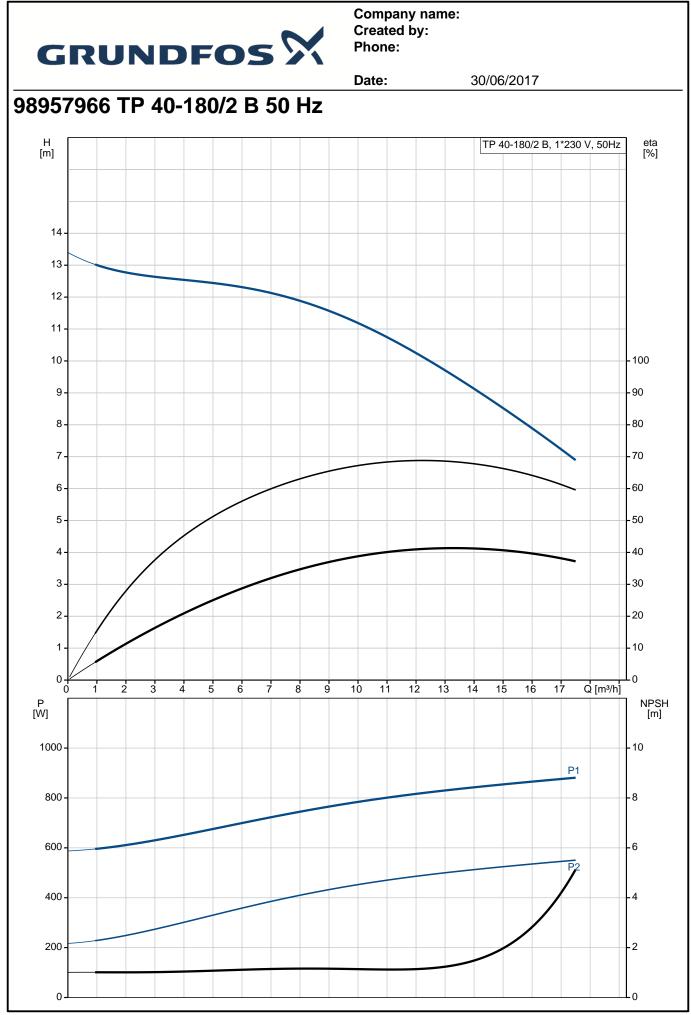
The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 6/10 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor.

#### Liquid:

Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -25 120 °C tion: 20 °C 998.2 kg/m³
<b>Technical:</b> Speed for pump data: Rated flow: Rated head: Primary shaft seal: Curve tolerance:	2860 rpm 12.5 m³/h 10 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 40 °C 10 bar DIN DN 40 PN 6/10 250 mm FT100
Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage:	80A NA 0.55 kW 0.55 kW 50 Hz 1 x 220-230/240 V



Ra	escription		
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Ra Mo Nu En Ins <b>Ot</b> Mi Er Ne Gr	ated current: tarting current: os phi - power factor: ated speed: lotor efficiency at full load: umber of poles: nclosure class (IEC 34-5): isulation class (IEC 85): <b>thers:</b> linimum efficiency index, MEI rP status: et weight: bipping volume:	4,00/3,65 A 280 % 0,99 2750 rpm 66-64 % 2 55 Dust/Jetting F : 0.70 EuP Standalone/Prod. 30.8 kg 34.3 kg 0.12 m <sup>3</sup>	

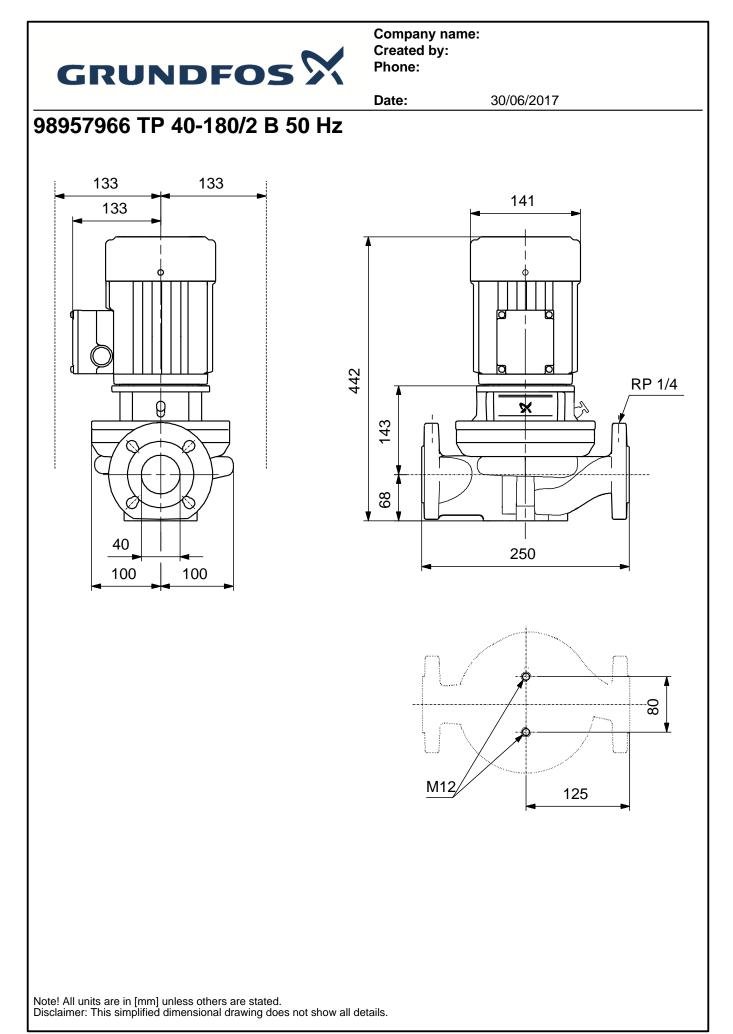




		Date:	30/0	06/2017		
Description	Value	H [m]		TP 40-180/2 B	, 1*230 V, 50Hz	Ē
General information:		-				
Product name:	TP 40-180/2 B A-F-Z-BQQE					
Product No:	98957966	14 -				-
EAN number:	5712604244333	13 -				_
		12 -				
Technical:						
Speed for pump data:	2860 rpm	11 -				
Rated flow:	12.5 m <sup>3</sup> /h	10 -				- 100
Rated head:	10 m	9-				- 90
Head max:	180 dm	8 -				- 80
Primary shaft seal:	BQQE	7 -				70
Curve tolerance:	ISO9906:2012 3B	-			`	
Pump version:		6 -			<u> </u>	- 60
Model:	A	5-				- 50
Model.	A	4 -				- 40
Materials:		3-				- 30
	Bronzo	- /				
Pump housing:	Bronze	2				20
	DIN WNr. 2.1050	1-				- 10
Impellen	ASTM B505-C90700	0		8 10 12 14		$\bot_0$
Impeller:	Stainless steel	O Ź	4 6	8 10 12 1	4 Q [m³/h]	
	DIN WNr. 1.4301	[W]				[
	AISI 304	1000 -				10
Material code:	Z	_			P1	_
		800 -				- 8
Installation:		600 -				- 6
Range of ambient temperature:	-30 40 °C	800 -			- P2	- 0
Maximum operating pressure:	10 bar	400 -				-4
Flange standard:	DIN	_				
Connect code:	F	200 -				-2
Pipe connection:	DN 40					
Pressure stage:	PN 6/10	0				L <sub>0</sub>
Port-to-port length:	250 mm					
Flange size for motor:	FT100					
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:						
Density:	998.2 kg/m <sup>3</sup>					
Electrical data:	904					
Motor type:	80A					
IE Efficiency class:	NA					
Rated power - P2:	0.55 kW					
Power (P2) required by pump:	0.55 kW					
Mains frequency:	50 Hz					
Rated voltage:	1 x 220-230/240 V					
Rated current:	4,00/3,65 A					
Starting current:	280 %					
Cos phi - power factor:	0,99					
Rated speed:	2750 rpm					
Motor efficiency at full load:	66-64 %					
Number of poles:	2					
Enclosure class (IEC 34-5):	55 Dust/Jetting					
Insulation class (IEC 85):	F					
Motor protec:	PTO					
Motor No:	85215103					



		Date:	30/06/2017
Description	Value		
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	30.8 kg		
Gross weight:	34.3 kg		
Shipping volume:	0.12 m³		





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# 98957966 TP 40-180/2 B 50 Hz

