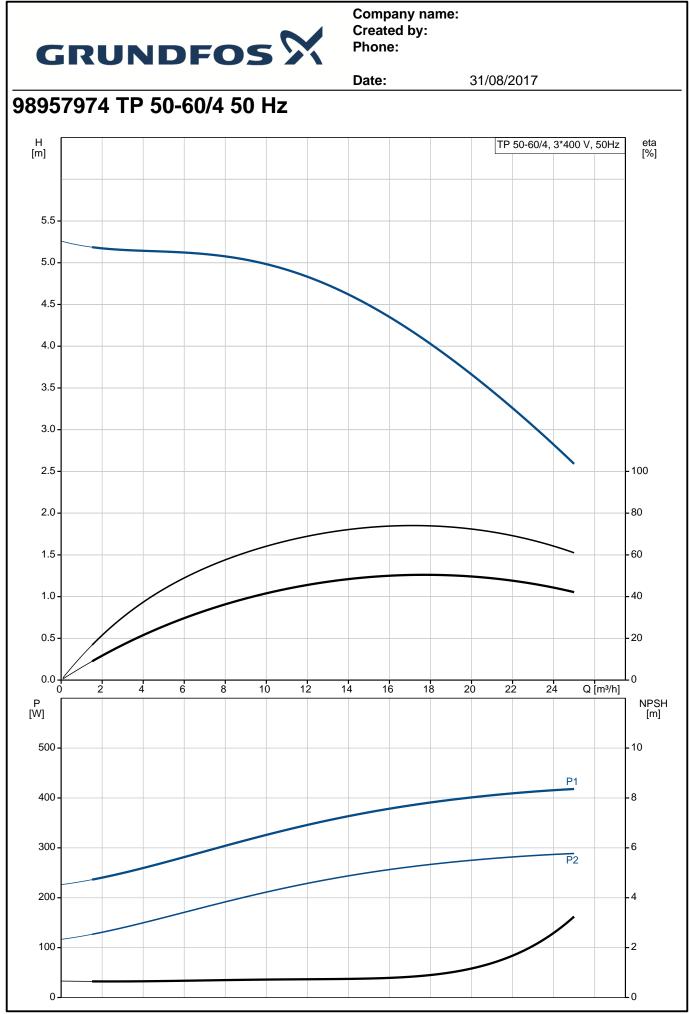
G	R	UNDFOS	Company nan Created by: Phone:	ne:
			Date:	31/08/2017
Position	Qty.	Description		
	1	TP 50-60/4 A-F-A-BQQE		
		Product No.: 98957974		
		Single-stage, close-coupled, vol The pump is of the top-pull-out or removed for maintenance or ser	lesign, i.e. the power head (n	and discharge ports of identical diameter. notor, pump head and impeller) can be remains in the pipework.
		The pump is fitted with an unbal Pipework connection is via PN 6 The pump is fitted with a fan-coo	• •	he shaft seal is according to EN 12756. and ISO 7005-2).
		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: Actual impeller diameter: Primary shaft seal: Curve tolerance:	1430 rpm 17.1 m ³ /h 4.2 m 126 mm BQQE ISO9906:2012 3B	
		Materials: Pump housing: Impeller:	Cast iron EN-JL1040 ASTM A48-40 B Stainless steel DIN WNr. 1.4301 AISI 304	
		Installation: Range of ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pump inlet: Pump outlet: Pressure stage: Port-to-port length: Flange size for motor:	-30 40 °C 10 bar DIN DN 50 DN 50 DN 50 PN 6/10 280 mm FT85	
		Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	71B NA 0.37 kW 0.37 kW 50 Hz	



Position Quescription Rated voltage: 3 x 220-240D/380-415Y V Rated voltage: 1,90/1,10 A Starting current: 400-440 % Cos phi - power factor: 0,77-0.67 Rated speed: 1400-1420 rpm Efficiency: 66.0% Motor efficiency at 3/4 load: 67.6 % Number of poles: 4 Problem: 4 Number of poles: 4 Net weight: 28.4 kg Grass weight: 31.9 kg Shipping volume: 0.06 m ³ Danish: VVS NO 381823060				Date:	31/08/2017
Rated current:1,90/1,10 AStarting current:400-440 %Cos phi - power factor:0,77-0,67Rated speed:1400-1420 rpmEfficiency:66,0%Motor efficiency at full load:66.0 %Motor efficiency at 3/4 load:72.2 %Motor efficiency at 1/2 load:67.6 %Number of poles:4Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FUthers:Minimum efficiency index, MEI :0.70ErP status:ErP status:EuP Standalone/Prod.Net weight:28.4 kgGross weight:31.9 kgShipping volume:0.06 m³	osition	Qty.	Description		
Motor efficiency at full load: 66.0 % Motor efficiency at 3/4 load: 72.2 % Motor efficiency at 1/2 load: 67.6 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Others: Minimum efficiency index, MEI : 0.70 ErP status: EuP Standalone/Prod. Net weight: 28.4 kg Gross weight: 31.9 kg Shipping volume: 0.06 m³			Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency:	1,90/1,10 A 400-440 % 0,77-0,67 1400-1420 rpm 66,0%	
Minimum efficiency index, MEI: 0.70ErP status:EuP Standalone/Prod.Net weight:28.4 kgGross weight:31.9 kgShipping volume:0.06 m³			Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5):	72.2 % 67.6 % 4 55 Dust/Jetting	
			Minimum efficiency index, MEI ErP status: Net weight: Gross weight:	EuP Standalone/Prod. 28.4 kg 31.9 kg	

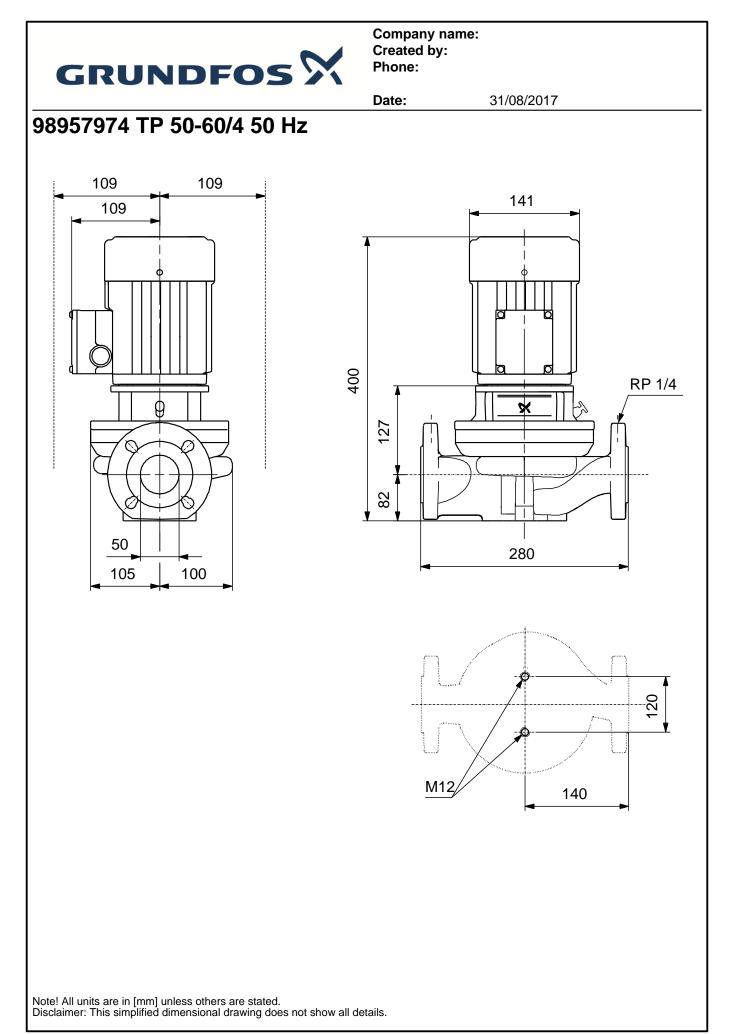




		Date:	31/08	8/2017		
Description	Value	H [m]		TP 50-60/4, 3	*400 V, 50Hz	e [
General information:						
Product name:	TP 50-60/4 A-F-A-BQQE	5.5 -				
Product No:	98957974	5.5				
EAN number:	5712604244418	5.0 -				
LAN Humber.	57 120042444 10	-				
Technical:		4.5 -				
Speed for pump data:	1430 rpm	4.0 -				
Rated flow:	17.1 m ³ /h	_				
Rated head:	4.2 m	3.5 -				
Head max:	60 dm	3.0 -				
Actual impeller diameter:	126 mm					
Primary shaft seal:	BQQE	2.5 -				- 100
Curve tolerance:	ISO9906:2012 3B	2.0				- 80
Pump version:	A	2.0 -				F ⁸⁰
Model:	A	1.5 -				- 60
	n	-				
Materials:		1.0-				- 40
Pump housing:	Cast iron	0.5				- 20
· ····	EN-JL1040	/				
	ASTM A48-40 B	0.0	5 10	15 20	Q [m³/h]	L ₀
Impeller:	Stainless steel	- P			<u>~ [/i]</u>	NF
	DIN WNr. 1.4301	[Ŵ]				[
	AISI 304	500 -				- 10
Matarial adda:		400 -			P1	-8
Material code:	A					_
Installation:		300 -				-6
Range of ambient temperature:	-30 40 °C				P2	
Maximum operating pressure:	10 bar	200 -				-4
Flange standard:	DIN	-				
Connect code:	F	100 -				-2
Pipe connection:	DN 50					
Pump inlet:	DN 50	0-				_0
Pump outlet:	DN 50					
Pressure stage:	PN 6/10 280 mm					
Port-to-port length:						
Flange size for motor:	FT85					
Liquid: Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:	20 °C					
Density:	998.2 kg/m ³					
Electrical data:						
Motor type:	71B					
IE Efficiency class:	NA					
Rated power - P2:	0.37 kW					
Power (P2) required by pump:	0.37 kW					
Mains frequency:	50 Hz					
Rated voltage:	3 x 220-240D/380-415Y V					
Rated current:	1,90/1,10 A					
Starting current:	400-440 %					
Cos phi - power factor:	0,77-0,67					
Rated speed:	1400-1420 rpm					
Efficiency:	66,0%					
Motor efficiency at full load:	66.0 %					
Motor efficiency at 3/4 load:	72.2 %					
Motor efficiency at 1/2 load:	67.6 %					
Number of poles:	4					



		Date:	31/08/2017
Description	Value		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	86805102		
Others: Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	28.4 kg		
Gross weight:	31.9 kg		
Shipping volume:	0.06 m ³		
Danish:	VVS NO 381823060		





31/08/2017

98957974 TP 50-60/4 50 Hz

