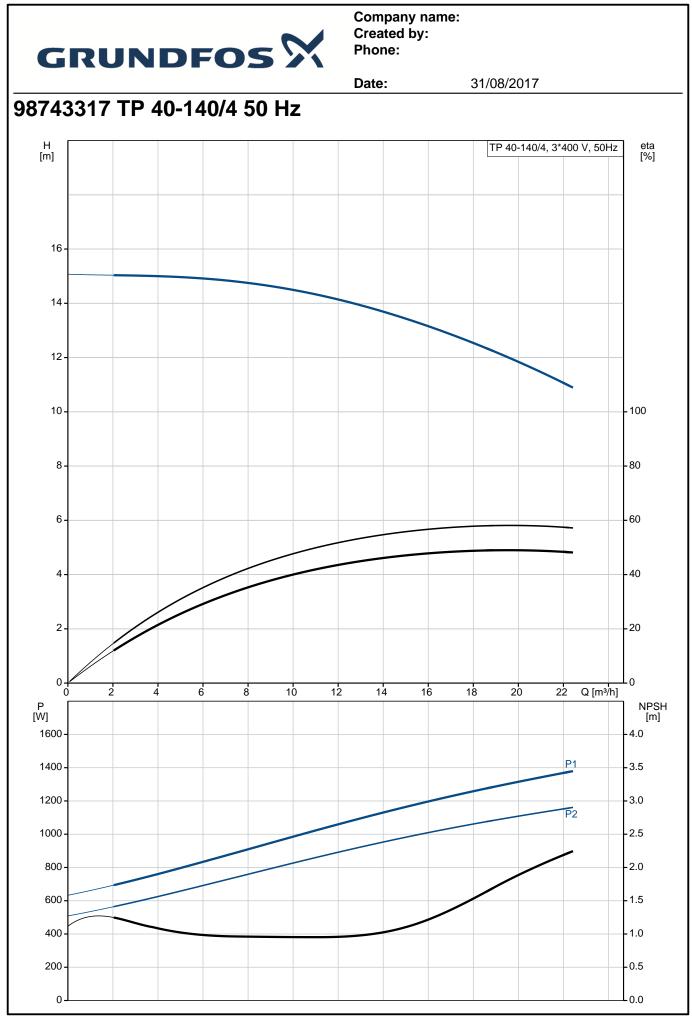
G	RI	UNDFOS	X	Company Created by Phone:					
				Date:	31/08/2017	7			
Position	Qty.	Description							
	1	TP 40-140/4 A-F-A-BQQE							
		Product No.: 98743317							
		Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out 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 Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor.							
		<b>Liquid:</b> Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -25 120 tion: 20 °0 998.2 kg/r						
		Technical: Speed for pump data: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	1440 rpm 19.3 m³/h 11.47 m 212 mm BQQE ISO9906:2	2012 3B					
		Materials:							
		Pump housing: Impeller:	Cast iron EN-JL104 ASTM A44 Cast iron EN-JL103 ASTM A44	8-40 B 0					
		Installation: Range of ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pump inlet: Pump outlet: Pressure stage: Port-to-port length:	16 bar DIN DN 40 DN 40 DN 40 PN 16 440 mm	с					
		Flange size for motor: <b>Electrical data:</b> Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	FF165 90SB IE3 1.1 kW 1.1 kW 50 Hz						



PositionQty.DescriptionRated voltage:3 x 220-240D/380-415Y VRated current:4,85/2,80 AStarting current:820-900 %Cos phi - power factor:0,71-0,64Rated speed:1450-1460 rpmEfficiency:IE3 84,1%Motor efficiency at full load:84.1 %Motor efficiency at 3/4 load:84.6 %
Rated current:4,85/2,80 AStarting current:820-900 %Cos phi - power factor:0,71-0,64Rated speed:1450-1460 rpmEfficiency:IE3 84,1%Motor efficiency at full load:84.1 %Motor efficiency at 3/4 load:84.6 %
Motor efficiency at 1/2 load: 82.9 % Number of poles: 4 Enclosure class (IEC 34-5): 5 Dust/Jetting Insulation class (IEC 85): F Others: Label: Grundfos Blueflux Minimum efficiency index, MEI : 0.7 ErP status: EuP Standalone/Prod. Net weight: 60 kg Gross weight: 74 kg Shipping volume: 0.22 m <sup>3</sup>

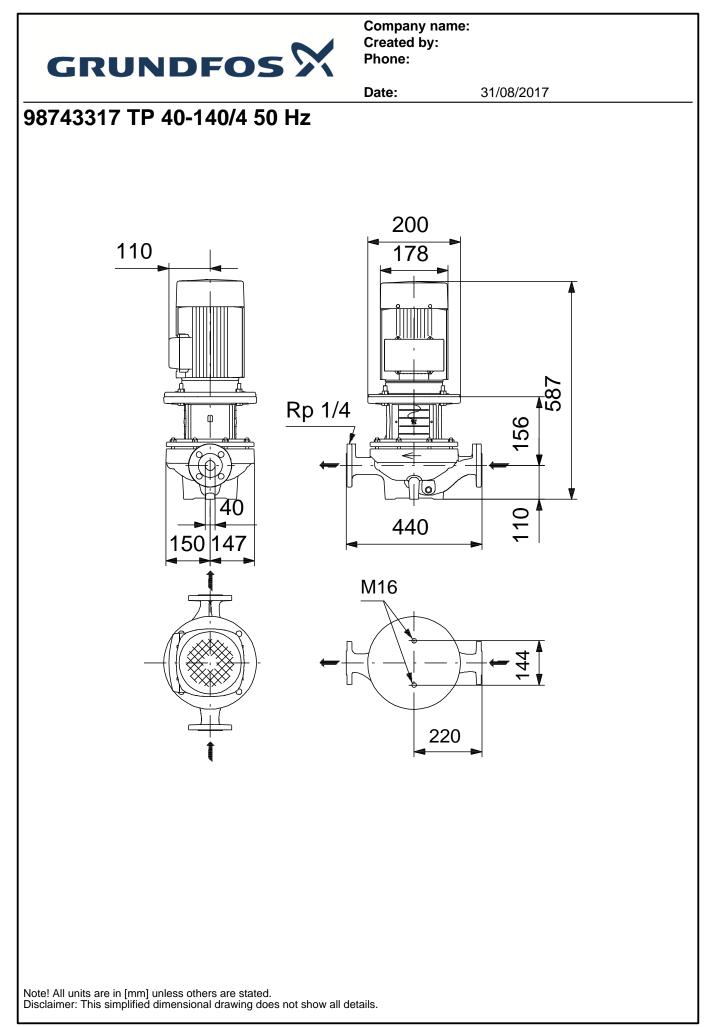




		Date:	31/0	08/2017		
Description	Value	H [m]		TP 40-140/4,	3*400 V, 50Hz	et [%
General information:		-				_
Product name:	TP 40-140/4 A-F-A-BQQE	-				
Product No:	98743317	16 -				_
EAN number:	5712600820388	-				
Technical:		14 -				
Speed for pump data:	1440 rpm	-				
Rated flow:	19.3 m <sup>3</sup> /h	12 -			$\mathbf{i}$	
Rated head:	11.47 m	-				
Head max:	140 dm	10 -				- 100
Actual impeller diameter:	212 mm	-				
Primary shaft seal:	BQQE	8-				- 80
Curve tolerance:	ISO9906:2012 3B	-				
Pump version:	A	6 -				- 60
Model:	A	-				
Model.	A	4 -				- 40
Materials:		2-				- 20
Pump housing:	Cast iron					
	EN-JL1040 ASTM A48-40 B	0	5 10	) 15	20 Q [m³/h]	
Impeller:	Cast iron	Р Г	5 10		v v [m /n]	, NF
	EN-JL1030	[\V]				- l
	ASTM A48-30 B	1400 -			P1	- 3.5
Material code:	ASTM A46-30 B	1200 -				- 3.0
	A	1000 -			P2	- 2.5
Installation:		800 -			/	- 2.0
Range of ambient temperature:	-30 60 °C	_				
Maximum operating pressure:	16 bar	600 -	$\leq$			- 1.5
Flange standard:	DIN	400 -				- 1.0
Connect code:	F	200 -				0.5
Pipe connection:	DN 40	0				
Pump inlet:	DN 40					
Pump outlet:	DN 40					
Pressure stage:	PN 16					
Port-to-port length:	440 mm					
Flange size for motor:	FF165					
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:	20 °C					
Density:	998.2 kg/m <sup>3</sup>					
Electrical data:						
Motor type:	90SB					
IE Efficiency class:	IE3					
Rated power - P2:	1.1 kW					
Power (P2) required by pump:	1.1 kW					
Mains frequency:	50 Hz					
Rated voltage:	3 x 220-240D/380-415Y V					
Rated current:						
Starting current:	4,85/2,80 A 820-900 %					
-						
Cos phi - power factor:	0,71-0,64					
Rated speed:	1450-1460 rpm					
	IE3 84,1%					
Efficiency:						
Motor efficiency at full load:	84.1 %					



		Date:	31/08/2017
Description	Value		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	87220316		
Others:			
Label:	Grundfos Blueflux		
Minimum efficiency index, MEI :	0.7		
ErP status:	EuP Standalone/Prod.		
Net weight:	60 kg		
Gross weight:	74 kg		
Shipping volume:	0.22 m <sup>3</sup>		





Date:

31/08/2017

## 98743317 TP 40-140/4 50 Hz

