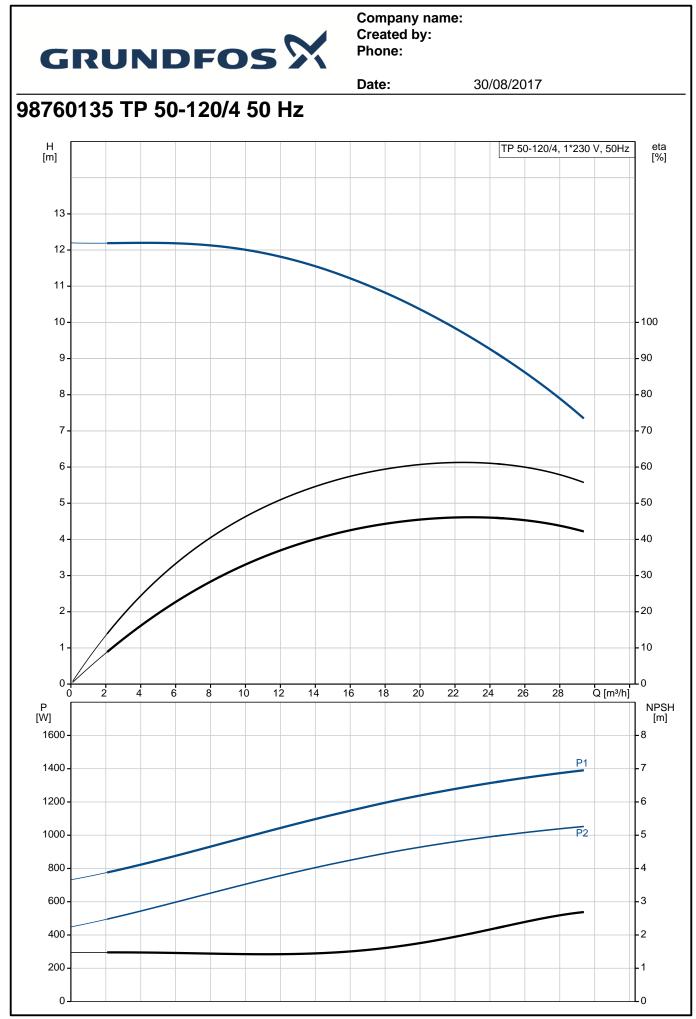
G	RI	UNDFOS	Company nam Created by: Phone:	ne:			
			Date:	30/08/2017			
Position	Qty.	Description					
	1	TP 50-120/4 A-F-A-BQQE					
		Product No.: 98760135					
		Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out 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 16 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor.					
		Liquid:Pumped liquid:WaterLiquid temperature range:-25 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³					
		Technical: Speed for pump data: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	1450 rpm 22.9 m³/h 9.77 m 198 mm BQQE ISO9906:2012 3B				
		Materials:					
		Pump housing: Impeller:	Cast iron EN-JL1040 ASTM A48-40 B Cast iron EN-JL1030 ASTM A48-30 B				
		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 16 bar DIN DN 50 DN 50 DN 50 PN 16 440 mm FF165				
		Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	90LB NA 1.1 kW 1.1 kW 50 Hz				



			Date:	30/08/2017
Position	Qty.	Description		
		Rated voltage:	1 x 220-230 V	
		Rated current:	7 A 390 %	
		Starting current: Cos phi - power factor:	0,96	
		Rated speed:	1420-1430 rpm	
		Motor efficiency at full load:	75-76 %	
		Number of poles:	4	
		Enclosure class (IEC 34-5): Insulation class (IEC 85):	55 Dust/Jetting F	
		Others:	. 07	
		Minimum efficiency index, MEI ErP status:	EuP Standalone/Prod.	
		Net weight:	67 kg	
		Gross weight:	81 kg	
		Shipping volume:	0.39 m <sup>3</sup>	



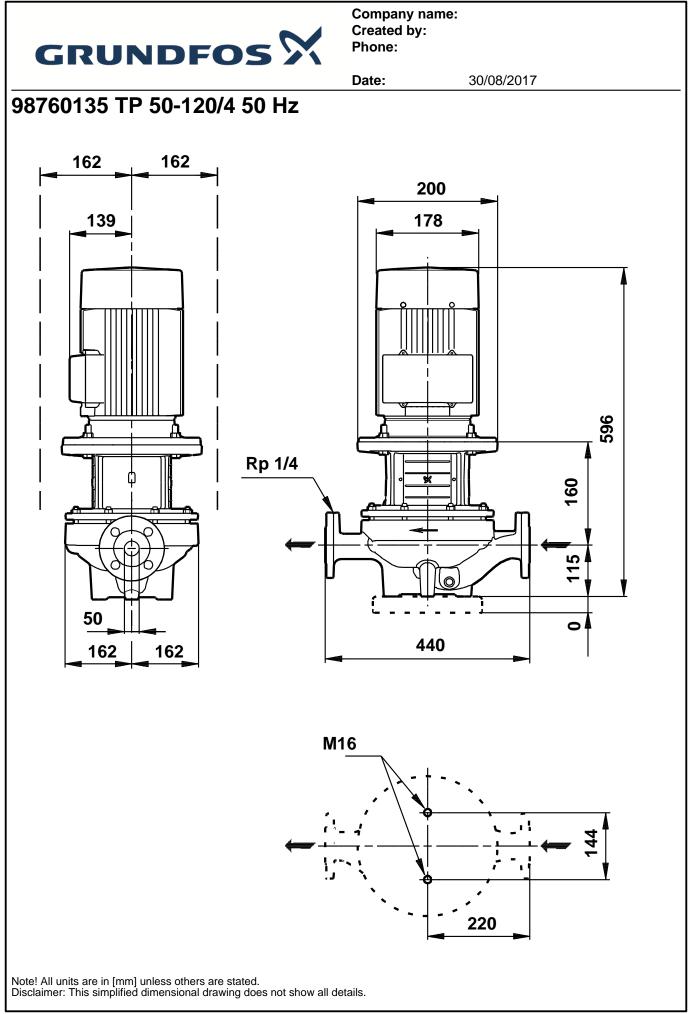
Printed from Grundfos Product Centre [2017.05.067]



		Date:	30/0	)8/2017		
Description	Value	H [m]		TP 50-12	20/4, 1*230 V, 50H	z
General information:		-				
Product name:	TP 50-120/4 A-F-A-BQQE	13 -				_
Product No:	98760135	12				
EAN number:	5712600991200	- 11 -				
Technical:		10 -				
Speed for pump data:	1450 rpm	9 -				- 9
Rated flow:	22.9 m <sup>3</sup> /h					
Rated head:	9.77 m	8-				- 8
Head max:	120 dm	7-			<b>`</b>	
Actual impeller diameter:	198 mm					
Primary shaft seal:	BQQE	6 -				- 6
Curve tolerance:	ISO9906:2012 3B	5-		-		- 5
	A	4 -				4
Pump version:						ſŦ
Model:	A	3-				- 3
Materials:		2				- 2
Pump housing:	Cast iron	1-				
	EN-JL1040	0				$\square_0$
	ASTM A48-40 B	o	5 10	15 20	25 Q [m³/h	
Impeller:	Cast iron	P [W]				
	EN-JL1030					+
	ASTM A48-30 B	1400 -			P1	-7
Material code:	A	1200 -				-6
Material code.	A	-				
Installation:		1000 -			P2	- 5
Range of ambient temperature:	-30 40 °C	800 -				- 4
	-30 40 °C 16 bar	600 -				-3
Maximum operating pressure:		400				-2
Flange standard:	DIN	_				
Connect code:	F	200 -				
Pipe connection:	DN 50	0 -				<b></b> 0
Pump inlet:	DN 50					
Pump outlet:	DN 50					
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/m³					
Electrical data:						
Motor type:	90LB					
IE Efficiency class:	NA					
Rated power - P2:	1.1 kW					
Power (P2) required by pump:						
	1.1 kW					
Mains frequency:	50 Hz					
Rated voltage:	1 x 220-230 V					
Rated current:	7 A					
Starting current:	390 %					
Cos phi - power factor:	0,96					
Rated speed:	1420-1430 rpm					
Motor efficiency at full load:	75-76 %					
Number of poles:	4					
Enclosure class (IEC 34-5):	55 Dust/Jetting					
Insulation class (IEC 85):	F					
Motor protec:	PTO					



		Date:	30/08/2017	
Description	Value			
Motor No:	87200343			
Others:				
Minimum efficiency index, MEI :	0.7			
ErP status:	EuP Standalone/Prod.			
Net weight:	67 kg			
Gross weight:	81 kg			
Shipping volume:	0.39 m <sup>3</sup>			





30/08/2017

Date: 08760135 TP 50-120/4 50 Hz

