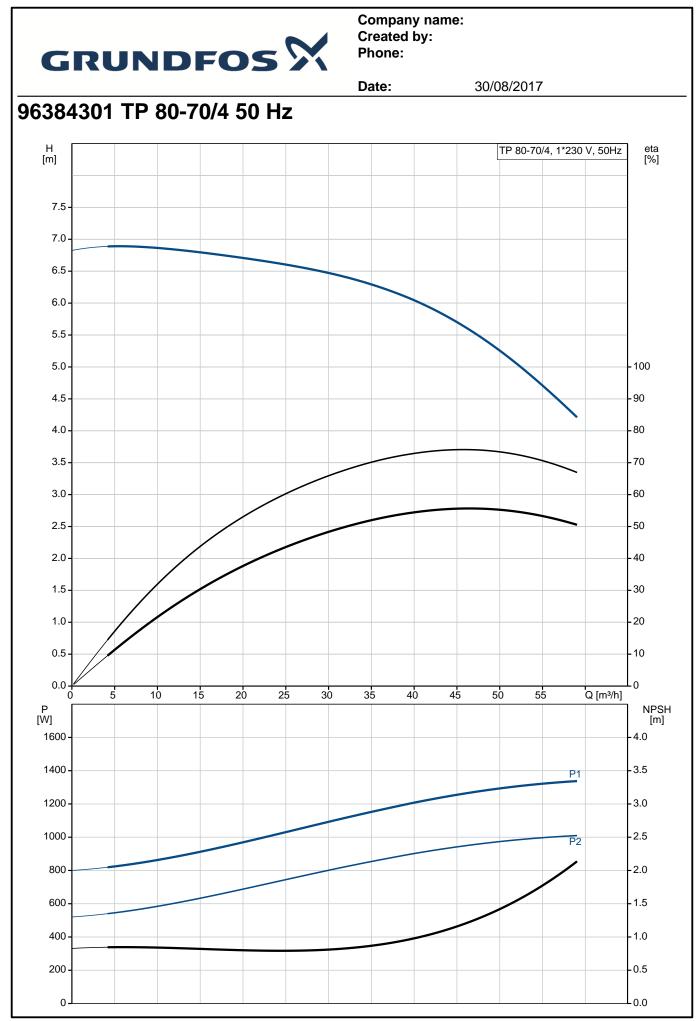
G	RI	UNDFOS	Company name Created by: Phone:	:			
			Date:	30/08/2017			
Position	Qty.	Description					
	1	TP 80-70/4 A-F-A-BQQE					
		Product No.: 96384301					
		Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out 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: 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:	1445 rpm 45.8 m³/h 5.9 m 149 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 80 DN 80 DN 80 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.			
		Rated voltage:	1 x 220-230 V	
		Rated current: Starting current:	7 A 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	
		Others:		
		Minimum efficiency index, MEI	: 0.68	
		ErP status:	EuP Standalone/Prod.	
		Net weight:	70 kg	
		Gross weight:	84 kg 0.39 m³	
		Shipping volume:	0.39 118	

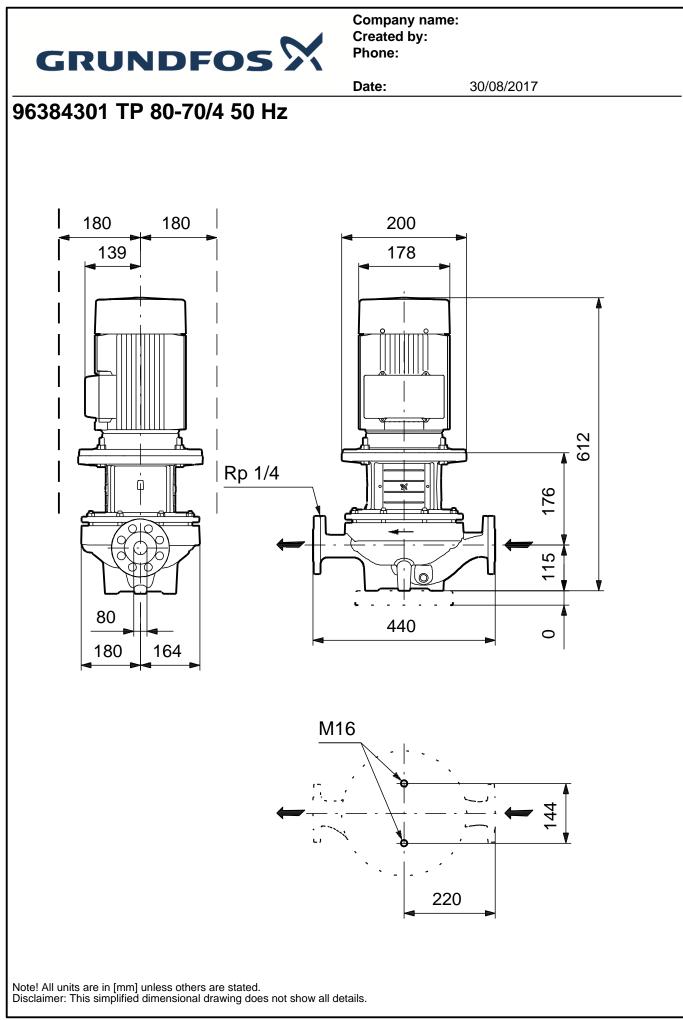




		Date:	30/08/2017	
Description	Value	H [m]	TP 80-70/4, 1*230 V, 50Hz	et [%
General information:				
Product name:	TP 80-70/4 A-F-A-BQQE			
Product No:	96384301	7.0		
EAN number:	5700832153145	6.5 -		-
		6.0 -		-
Technical:		5.5 -		_
Speed for pump data:	1445 rpm	5.0 -		100
Rated flow:	45.8 m³/h			
Rated head:	5.9 m	4.5 -		- 90
Head max:	70 dm	4.0 -		- 80
Actual impeller diameter:	149 mm	3.5 -		70
Primary shaft seal:	BQQE	3.0 -		60
Curve tolerance:	ISO9906:2012 3B			
Pump version:	A	2.5 -		- 50
Model:	A	2.0 -		- 40
		1.5		- 30
Materials:		1.0		20
Pump housing:	Cast iron	0.5		10
r	EN-JL1040			
	ASTM A48-40 B	0.0	0 20 30 40 50 Q [m³/h]	
Impeller:	Cast iron	Р] NF
	EN-JL1030	[Ŵ]		+ [
	ASTM A48-30 B	1400 -	P1	- 3.5
Material code:	A A A	1200 -		3.0
	A			
Installation:		1000 -	P2	- 2.5
Range of ambient temperature:	-30 40 °C	800 -		2.0
	16 bar	600 -		- 1.5
Maximum operating pressure:		400 -		1.0
Flange standard:	DIN	200 -		- 0.5
Connect code:	F			
Pipe connection:	DN 80	0		L 0.0
Pump inlet:	DN 80			
Pump outlet:	DN 80			
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 ³			
	500.2 Ng/11			
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:	РТО			



		Date:	30/08/2017	
Description	Value			
Motor No:	87200343			
Others:				
Minimum efficiency index, MEI :	0.68			
ErP status:	EuP Standalone/Prod.			
Net weight:	70 kg			
Gross weight:	84 kg			
Shipping volume:	0.39 m³			





30/08/2017

Date:

96384301 TP 80-70/4 50 Hz

