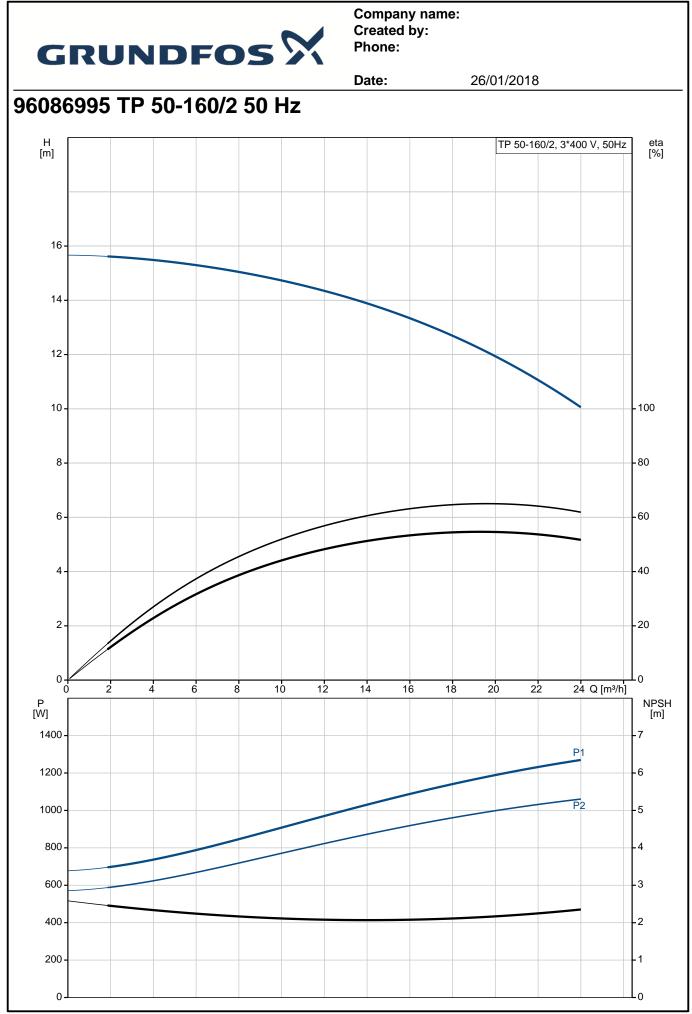
G	RI	UNDFOS	Company nan Created by: Phone:	ne:
			Date:	26/01/2018
Position	Qty.	Description		
	1	TP 50-160/2 A-F-A-BQQE		
		Product No.: 96086995	1	
		The pump is of the top-pull-out c removed for maintenance or ser	lesign, i.e. the power head (n vice while the pump housing	
		The pump is fitted with an unbala Pipework connection is via PN 1 The pump is fitted with a fan-coc		he shaft seal is according to EN 12756. nd ISO 7005-2).
		<b>Liquid:</b> 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: Actual impeller diameter: Primary shaft seal: Curve tolerance:	2900 rpm 20 m <sup>3</sup> /h 12 m 110 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 rating: Port-to-port length: Flange size for motor:	-30 60 °C 16 bar DIN DN 50 DN 50 DN 50 PN 16 340 mm FF165	
		<b>Electrical data:</b> Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	80C IE3 1.1 kW 1.1 kW 50 Hz	



			Date:	26/01/2018
Position	Qty.	Description		
Position	Qty.	Description Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85): Others: Minimum efficiency index, MEI ErP status: Net weight: Gross weight: Shipping volume: Danish VVS No.: Norwegian NRF no.:	Date: 3 x 220-240D/380-415Y V 4,35/2,50 A 450-500 % 0,83-0,76 2840-2870 rpm IE3 82,7% 82.7 % 84.6 % 85.4 % 2 55 Dust/Jetting F : 0.70 EuP Standalone/Prod. 44 kg 58 kg 0.13 m <sup>3</sup> VVS NO 381703160 NRF NO 9043552	



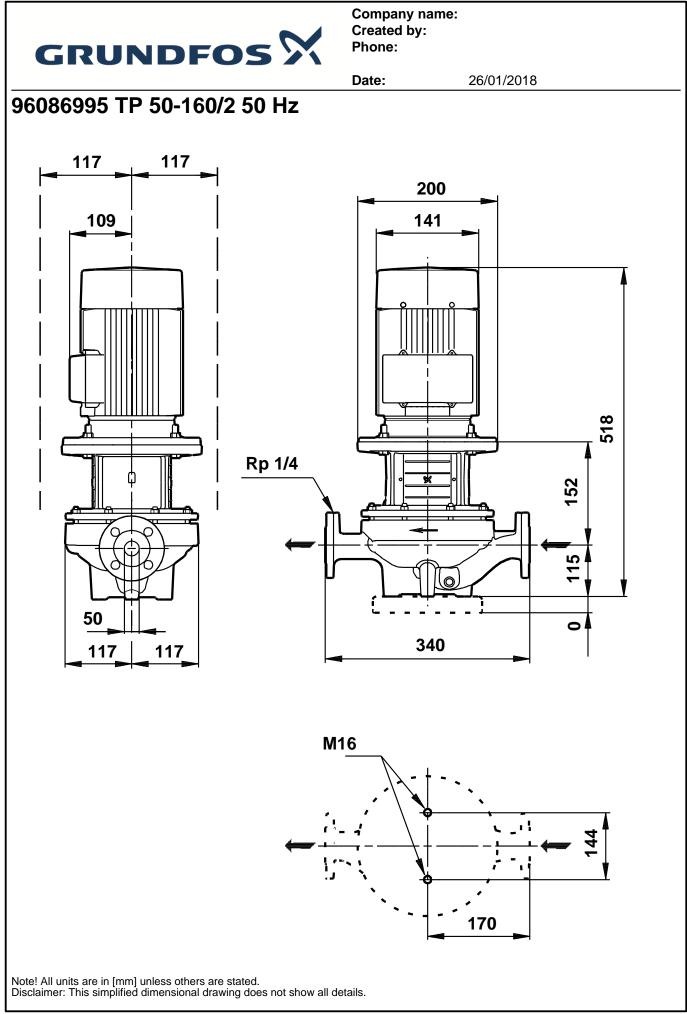
Printed from Grundfos Product Centre [2017.09.051]



		Date:	26/0	1/2018		
Description	Value	H [m]		TP 50-160/2	, 3*400 V, 50Hz	
General information:	Fundo					
Product name:	TP 50-160/2 A-F-A-BQQE					1
Product No:	96086995	-				
		16 -				
EAN number:	5700395309515	_				
Technical:		14 -				
Speed for pump data:	2900 rpm	-				
Rated flow:		12 -				
	20 m³/h	-				
Rated head:	12 m	10 -				- 100
Head max:	160 dm	_				
Actual impeller diameter:	110 mm	8 -				- 80
Primary shaft seal:	BQQE	_				
Curve tolerance:	ISO9906:2012 3B	6 -				60
Pump version:	A					
Model:	А	4 -		-		40
		_				
Materials:		2-	/			20
Pump housing:	Cast iron	-				
	EN-JL1040	0				$\Gamma^{0}$
	ASTM A48-40 B	o	5 10	15	20 Q [m³/h]	-
Impeller:	Cast iron	P [W]				
	EN-JL1030				P1	+ '
	ASTM A48-30 B	1200 -				-6
Material code:	A	-				
		1000 -			P2	-5
Installation:		800 -				-4
Range of ambient temperature:	-30 60 °C	600 -				-3
Maximum operating pressure:	16 bar					
Flange standard:	DIN	400 -				-2
Connect code:	F	200 -				-1
Pipe connection:	DN 50					
	DN 50	0				
Pump inlet:						
Pump outlet:	DN 50					
Pressure rating:	PN 16					
Port-to-port length:	340 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>					
Denony.	330.2 Ky/III-					
Electrical data:						
Motor type:	80C					
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:	4,35/2,50 A					
Starting current:	450-500 %					
Cos phi - power factor:	0,83-0,76					
Rated speed:	2840-2870 rpm					
Efficiency:	IE3 82,7%					
Motor efficiency at full load:	82.7 %					
Motor efficiency at 3/4 load:	84.6 %					
Motor efficiency at 1/2 load:	85.4 %					
Number of poles:	2					



		Date:	
Description	Value		
Enclosure class (IEC 34-5):	55 Dust/Jetting	_	
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	87120286		
Others:			
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	44 kg		
Gross weight:	58 kg		
Shipping volume:	0.13 m³		
Danish VVS No.:	VVS NO 381703160		
Norwegian NRF no.:	NRF NO 9043552		





26/01/2018

Date:

96086995 TP 50-160/2 50 Hz

