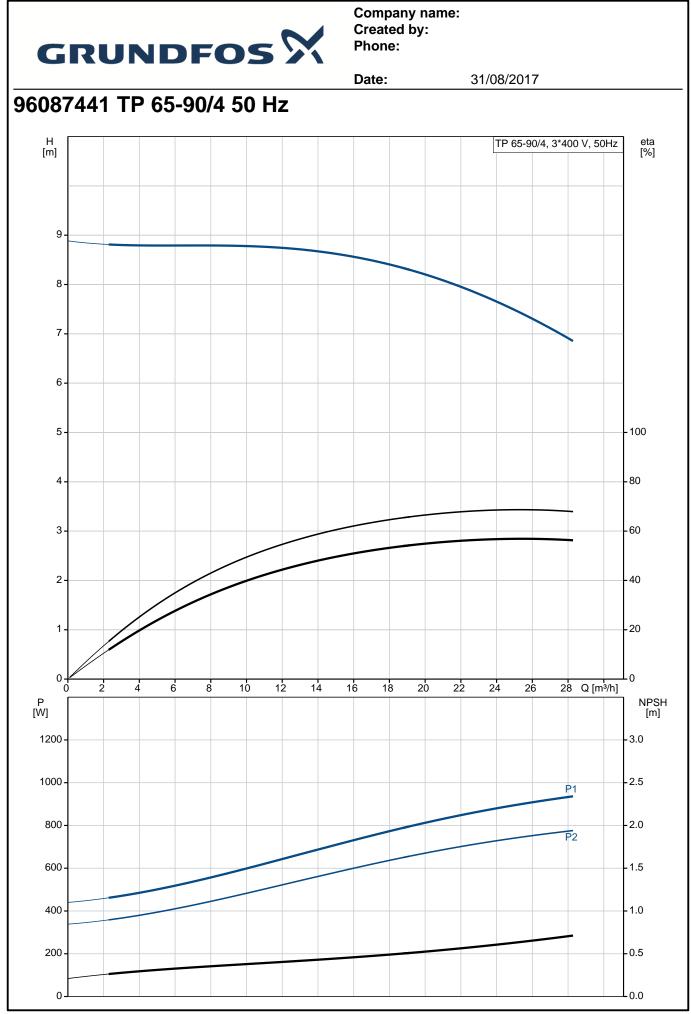
G	RI	UNDFOS	Company nar Created by: Phone:	ne:		
			Date:	31/08/2017		
Position	Qty.	Description				
	1	TP 65-90/4 A-F-A-BQQE				
		Product No.: 96087441				
		Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, 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 unbal Pipework connection is via PN 1 The pump is fitted with a fan-coo		The shaft seal is according to EN 12756. nd 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:	1400 rpm 25 m <sup>3</sup> /h 7.31 m 162 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:	-30 60 °C 16 bar DIN DN 65 DN 65 DN 65 PN 16 360 mm			
		Flange size for motor: <b>Electrical data:</b> Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	FF165 90SC IE3 0.75 kW 0.75 kW 50 Hz			



			Date:	31/08/2017
osition	Qty.	Description		
		Rated voltage:	3 x 220-240D/380-415Y V	
		Rated current:	3,30/1,90 A	
		Starting current:	620-670 %	
		Cos phi - power factor:	0,71-0,64	
		Rated speed: Efficiency:	1455-1463 rpm IE3 82,5%	
		Motor efficiency at full load:	82.5 %	
		Motor efficiency at 3/4 load:	83.6 %	
		Motor efficiency at 1/2 load:	81.1 %	
		Number of poles:	4	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Others:		
		Label:	Grundfos Blueflux	
		Minimum efficiency index, MEI		
		ErP status:	EuP Standalone/Prod.	
		Net weight: Gross weight:	56 kg 70 kg	
		Shipping volume:	0.18 m <sup>3</sup>	
		Danish:	VVS NO 38 1714.090	
	1			

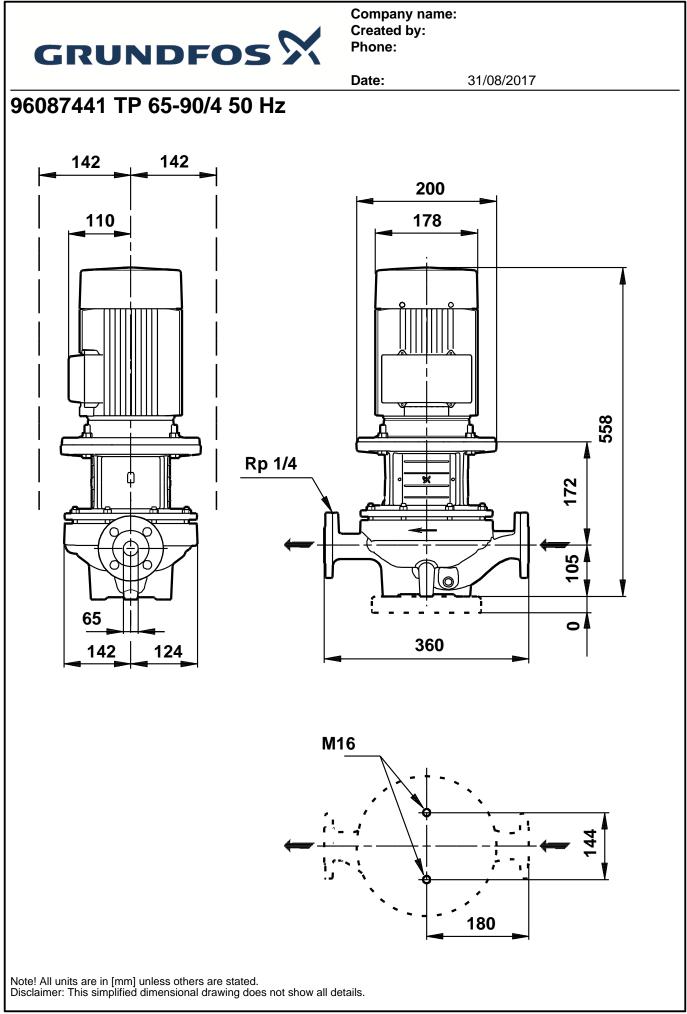




		Date:	31/08/2	2017	
Description	Value	H [m]		TP 65-90/4, 3*400 V, 50Hz	eta [%]
General information:	Value				
Product name:	TP 65-90/4 A-F-A-BQQE	9-			-
Product No:	96087441	8 -			-
EAN number:	5700395314076	7 -			_
EAN NUMBER.	5700395314076	6 -			_
Technical:		5 -			- 100
Speed for pump data:	1400 rpm				
Rated flow:	25 m <sup>3</sup> /h	4 -			- 80
Rated head:		3-			- 60
	7.31 m	2 -			- 40
Head max:	90 dm	- 1-			20
Actual impeller diameter:	162 mm	- 0			
Primary shaft seal:	BQQE	0	5 10 15	5 20 25 Q [m³/h]	
Curve tolerance:	ISO9906:2012 3B	P [W]			NPSH
Pump version:	A				[m]
Model:	А	1000 -		P1	- 1.0
		_		<b>P</b> 2	
Materials:		500 -			- 0.5
Pump housing:	Cast iron				1
	EN-JL1040	0			$\mathbf{L}_{0.0}$
	ASTM A48-40 B	142 142			
Impeller:	Cast iron	110	200 - 178 -		
	EN-JL1030	╴╎╽┍┿┑╎	╽┝╼╪╼┽┼───┲		
	ASTM A48-30 B				
Material code:	A				
	/ .				
Installation:		╴╎┻╧┻╎╴╴			
Range of ambient temperature:	-30 60 °C	- 1997 -			
Maximum operating pressure:	16 bar	65	360		
Flange standard:	DIN		······		
Connect code:	F	ñ	M16		
	F DN 65				
Pipe connection:		-			
Pump inlet:	DN 65		180		
Pump outlet:	DN 65			1	
Pressure stage:	PN 16		W VOLTAGE ON OF ROTATION		
Port-to-port length:	360 mm				
Flange size for motor:	FF165				
Liquid:		─│ <b>┦┦<u>┦</u></b>			
Pumped liquid:	Water				
Liquid temperature range:	-25 120 °C				
Liquid temperature during operation:	20 °C		VOLTAGE OF ROTATION		
Density:	998.2 kg/m³				
			<u>ws-(rs-(rs)</u>		
Electrical data:					
Motor type:	90SC				
IE Efficiency class:	IE3				
Rated power - P2:	0.75 kW			,	
Power (P2) required by pump:	0.75 kW				
Mains frequency:	50 Hz				
Rated voltage:	3 x 220-240D/380-415Y V				
Rated current:	3,30/1,90 A				
Starting current:	620-670 %				
Cos phi - power factor:					
	0,71-0,64				
Rated speed:	1455-1463 rpm				
Efficiency:	IE3 82,5%				
Motor efficiency at full load:	82.5 %				
Motor efficiency at 3/4 load:	83.6 %				
Motor efficiency at 1/2 load:	81.1 %				
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:	87120313		
Others:			
Label:	Grundfos Blueflux		
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	56 kg		
Gross weight:	70 kg		
Shipping volume:	0.18 m <sup>3</sup>		
Danish:	VVS NO 38 1714.090		





31/08/2017

96087441 TP 65-90/4 50 Hz

