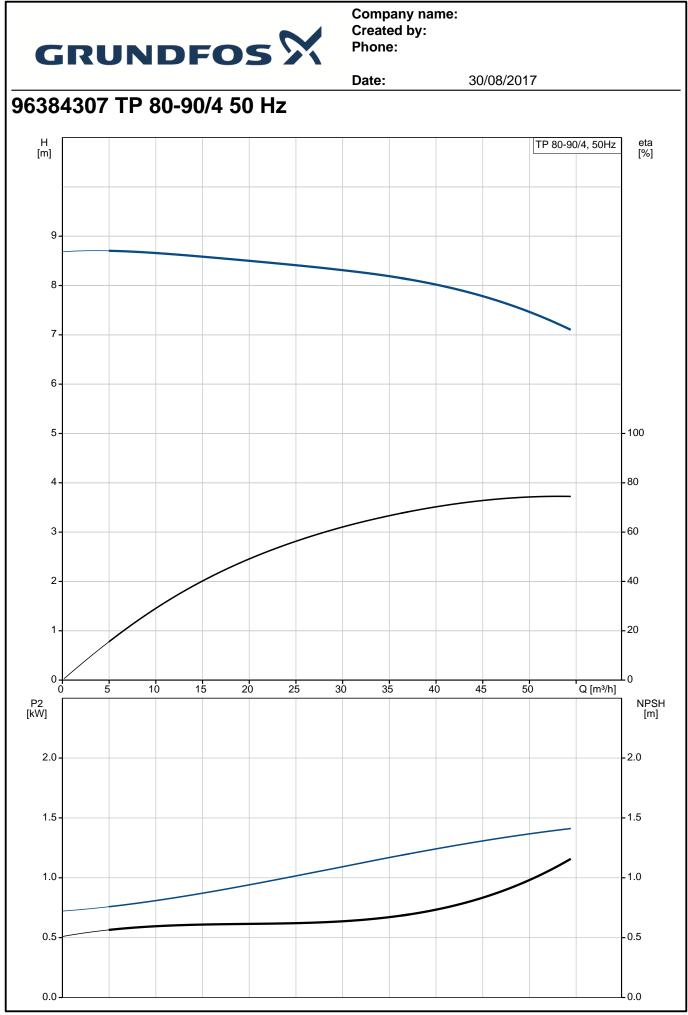
G	RI	UNDFOS	Company na Created by: Phone:	me:		
			Date:	30/08/2017		
Position	Qty.	Description				
	1	TP 80-90/4 A-F-A-BQQE				
		 Product No.: 96384307 Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. 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 54.7 m³/h 7.6 m 165 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 40 °C 16 bar DIN DN 80 DN 80 DN 80 PN 16 440 mm			
		Flange size for motor: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	FF165 90LC NA 1.5 kW 1.5 kW 50 Hz			



Company name: Created by: Phone:

			Date:	30/08/2017
Position	Qty.	Description		
		Description Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Motor efficiency at full 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:	Date: 1 x 220-230 V 9.9 A 400 % 0,97 1390-1400 rpm 74-73 % 4 55 Dust/Jetting F	30/08/2017





Company name: Created by: Phone:

		Date:	30/08/20)17	
		н		TP 80-90/4, 50Hz	eta [%]
Description	Value	[m]			[%]
General information:		_			1
Product name:	TP 80-90/4 A-F-A-BQQE	9			
Product No:	96384307	9-			
EAN number:	5700832153206	8 -			
		_			
Technical:		7-			
Speed for pump data:	1445 rpm				
Rated flow:	54.7 m³/h	6 -			
Rated head:	7.6 m				
Head max:	90 dm	5 -			- 100
Actual impeller diameter:	165 mm				
Primary shaft seal:	BQQE	4 -			- 80
Curve tolerance:	ISO9906:2012 3B				
Pump version:	A	3 -			- 60
Model:	A				
		2 -			- 40
Materials:					
Pump housing:	Cast iron	1			- 20
	EN-JL1040	0			L
	ASTM A48-40 B	o	10 20 30	40 Q [m³/h]	U
Impeller:	Cast iron	P2 [kW]			NP:
	EN-JL1030				
	ASTM A48-30 B	2.0 -			-2.0
Material code:	A	_			
		1.5 -			- 1.5
Installation:		—			
Range of ambient temperature:	-30 40 °C	1.0 -			- 1.0
Maximum operating pressure:	16 bar	_			
Flange standard:	DIN	0.5			- 0.5
Connect code:	F				
Pipe connection:	DN 80	0.0			$L_{0.0}$
Pump inlet:	DN 80	0.0 -			-0.0
Pump outlet:	DN 80				
Pressure stage:	PN 16				
Port-to-port length:	440 mm				
Flange size for motor:	FF165				
Liquid:					
Pumped liquid:	Water				
	-25 120 °C				
Liquid temperature range:					
Liquid temperature during operation:	20 °C				
Density:	998.2 kg/m³				
Electrical data:					
Motor type:	90LC				
IE Efficiency class:					
•					
Rated power - P2:	1.5 kW				
Power (P2) required by pump:	1.5 kW				
Mains frequency:	50 Hz				
Rated voltage:	1 x 220-230 V				
Rated current:	9.9 A				
Starting current:	400 %				
Cos phi - power factor:	0,97				
Rated speed:	1390-1400 rpm				
Motor efficiency at full load:	74-73 %				
Number of poles:	4				
Enclosure class (IEC 34-5):	55 Dust/Jetting				
Insulation class (IEC 85):	F				



Company name: Created by: Phone:

		Date:	30/08/2017	
Description	Value			
Motor No:	87200344			
Others:				
Minimum efficiency index, MEI :	0.68			
ErP status:	EuP Standalone/Prod.			
Net weight:	74 kg			
Gross weight:	88 kg			
Shipping volume:	0.39 m ³			

