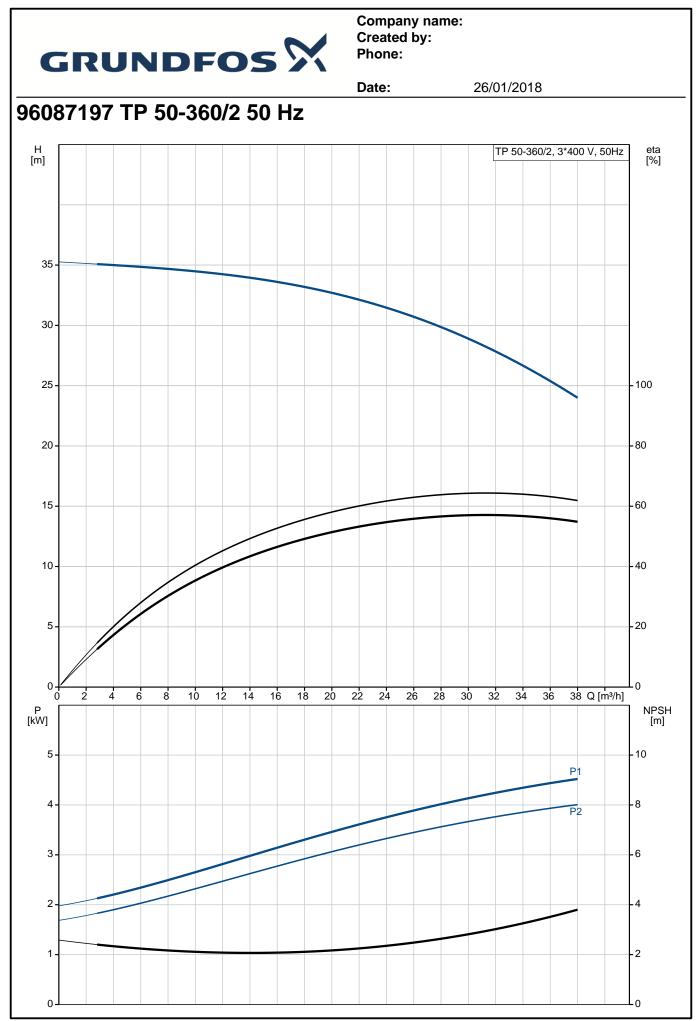
G	RI	UNDFOS		Company na Created by: Phone:	ame:			
				Date:	26/01/2018			
Position	Qty.	Description						
	1	TP 50-360/2 A-F-A-BQQE						
		Product No.: 96087197						
		Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out 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 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: Water Liquid temperature range: -25 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m ³							
		Technical: Speed for pump data: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	2920 rpm 31.3 m ³ /h 28.2 m 163 mm BQQE ISO9906:20	112 3B				
		Materials: Pump housing: Impeller:	Cast iron EN-JL1040 ASTM A48- Cast iron EN-JL1030 ASTM A48-	40 B				
		Installation: Range of ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pump inlet: Pump outlet: Pressure rating:	-30 60 °C 16 bar DIN DN 50 DN 50 DN 50 PN 16					
		Port-to-port length: Flange size for motor: Electrical data:	340 mm FF215					
		Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	112MC IE3 4 kW 4 kW 50 Hz					



Company name: Created by: Phone:

			Date:	26/01/2018
Position	Qty.	Description		
Position		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.:	Date: 3 x 380-415D V 7.9 A 1000-1110 % 0,87-0,87 2920-2940 rpm IE3 88,1% 88.1 % 88.6 % 85.2 % 2 55 Dust/Jetting F	26/01/2018
		Minimum efficiency index, MEI ErP status: Net weight: Gross weight: Shipping volume:	EuP Standalone/Prod. 73 kg 90 kg 0.18 m ³	





Company name: Created by: Phone:

		Date:	26/0	01/2018		
Description	Value	H [m]		TP 50-360	/2, 3*400 V, 50Hz	
General information:		-				
Product name:	TP 50-360/2 A-F-A-BQQE	_				
Product No:	96087197	_				
EAN number:	5700395311631	35 -				_
	3700393311031	-				
Technical:		30 -				_
Speed for pump data:	2920 rpm	_				
Rated flow:	31.3 m ³ /h	-				
Rated head:		25 -				- 100
	28.2 m	_				
Head max:	360 dm	20 -				- 80
Actual impeller diameter:	163 mm	_				
Primary shaft seal:	BQQE	15 -				60
Curve tolerance:	ISO9906:2012 3B					1
Pump version:	A					
Model:	A	10 -				- 40
Materials:		5-				20
Pump housing:	Cast iron					
	EN-JL1040	0				\Box_0
	ASTM A48-40 B	0 5	10 15	20 25 3	0 Q [m³/h]]
Impeller:	Cast iron	P [kW]				N
	EN-JL1030	[κνν] 5 -				[10
	ASTM A48-30 B	- °]			P1	Γ
Material code:	A A A A A A A A A A A A A A A A A A A	4 -				- 8
	Π	- '			P2	Ĭ
Installation:		3 -				- 6
Range of ambient temperature:	-30 60 °C	-				
Maximum operating pressure:	16 bar	2				4
	DIN					
Flange standard:		1-				-2
Connect code:	F					
Pipe connection:	DN 50	0	I I	I		- 0
Pump inlet:	DN 50					
Pump outlet:	DN 50					
Pressure rating:	PN 16					
Port-to-port length:	340 mm					
Flange size for motor:	FF215					
Liquid						
Liquid: Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:	20 °C					
Density:	998.2 kg/m ³					
Electrical data:						
Electrical data:	440140					
Motor type:	112MC					
IE Efficiency class:	IE3					
Rated power - P2:	4 kW					
Power (P2) required by pump:	4 kW					
Mains frequency:	50 Hz					
Rated voltage:	3 x 380-415D V					
Rated current:	7.9 A					
Starting current:	1000-1110 %					
Cos phi - power factor:	0,87-0,87					
Rated speed:						
	2920-2940 rpm					
Efficiency:	IE3 88,1%					
Motor efficiency at full load:	88.1 %					
Motor efficiency at 3/4 load:	88.6 %					
Motor efficiency at 1/2 load:	85.2 %					
Number of poles:	2					



Company name: Created by: Phone:

		Date:	26/01/2018
Description	Value		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	87322303		
Others:			
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	73 kg		
Gross weight:	90 kg		
Shipping volume:	0.18 m³		
Danish VVS No.:	VVS NO 381703360		

