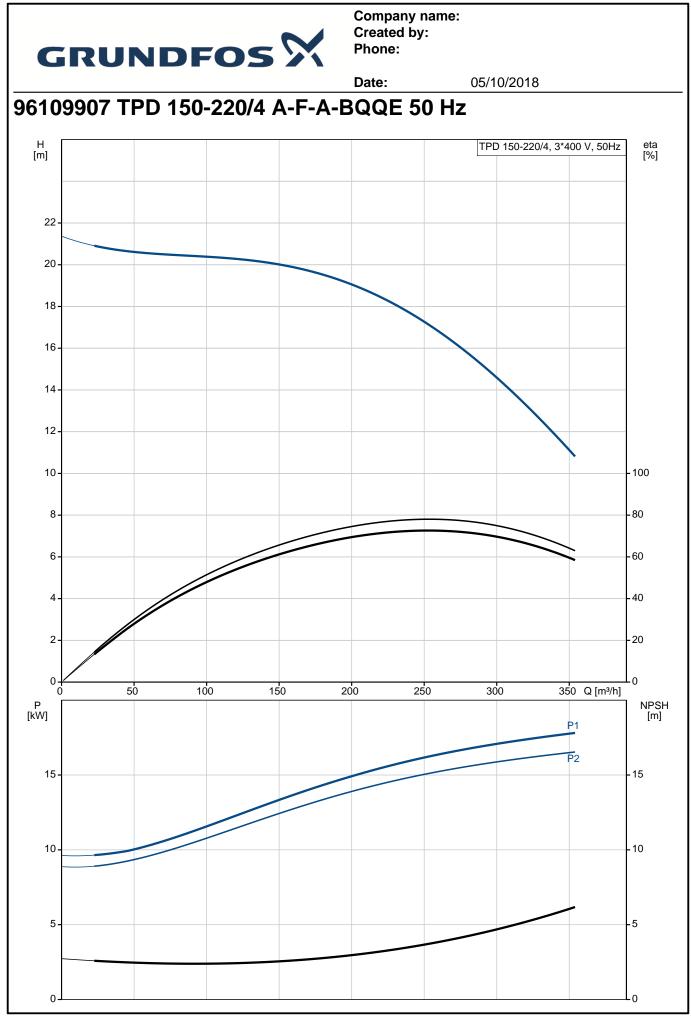
G	R	UNDFOS	Company n Created by: Phone:					
			Date:	05/10/2018				
Position	Qty.	Description						
	1	TPD 150-220/4 A-F-A-BQQE						
		Product No.: 96109907 Single-stage, close-coupled, volu	ute twin-head pump with in	n-line suction and discharge ports of identical				
		top-pull-out design, i.e. the power maintenance or service while the	The twin-head pump is designed with two parallel power-heads. The pump is of the but design, i.e. the power head (motor, pump head and impeller) can be removed for ance or service while the pump housing remains in the pipework.					
		Each power head is fitted with an unbalanced rubber bellows seal. The shaft seal is according 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). Each power head is fitted with a fan-cooled asynchronous motor of indentical size.						
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -25 120 °C tion: 20 °C 998.2 kg/m³					
		Technical: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	252 m³/h 17.7 m 256 mm BQQE ISO9906:2012 3B					
		Materials: Pump housing:	Cast iron					
		Impeller:	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: (@): Flange size for motor:	-20 55 °C 16 bar DIN DN 150 DN 150 DN 150 PN 150 PN 16 800 mm FF300					
		Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	SIEMENS IE3 2 x 18.5 kW 18.5 kW 50 Hz					



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Company name: Created by: Phone:

		Date:	05/10/2018	
Description	Value	H [m]	TPD 150-220/4, 3*400 V, 50Hz	eta [%]
General information:				
Product name:	TPD 150-220/4 A-F-A-BQQE	22 -		
Product No:	96109907	22-		
EAN number:	5700396988924	20 -		
Technical:	01000000021			
Rated flow:	252 m³/h	18 -		
Rated head:	17.7 m	16 -		
		10		
Head max:	220 dm	14 -		
Actual impeller diameter:	256 mm			
Primary shaft seal:	BQQE	12 -		
Curve tolerance:	ISO9906:2012 3B	10		100
Pump version:	A			
Model:	A	8 -		- 80
Materials:		6 -		60
Pump housing:	Cast iron	0-		- 60
	EN-JL1040	4 -		- 40
	ASTM A48-40 B			1
Impeller:	Cast iron	2-		- 20
•	EN-JL1030	0		\int_{0}
	ASTM A48-30 B	0 50	100 150 200 250 300 Q [m³/h]	-
Material code:	A	P [kW]	P1	^
Installation:		[KVV]		
Range of ambient temperature:	-20 55 °C	15 -	P2	- 15
Maximum operating pressure:	16 bar	-		
Flange standard:	DIN	10-		- 10
Pipe connection:	DN 150			
Pump inlet:	DN 150	_		
Pump outlet:	DN 150	5 -		-5
Pressure rating:	PN 16			
(@)	800 mm			
Flange size for motor:	FF300	0		L 0
Connect code:	F			
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C			
Liquid temperature during operation:	20 °C			
Density:	998.2 kg/m ³			
Electrical data:	-			
Motor type:	SIEMENS			
IE Efficiency class:	IE3			
Rated power - P2:	2 x 18.5 kW			
Power (P2) required by pump:	18.5 kW			
Mains frequency:	50 Hz			
	3 x 380-420D/660-725Y V			
Rated voltage:				
Rated current:	37,0-33,5/21,6-19,6 A			
Starting current:	690-690 %			
Cos phi - power factor:	0.82			
Rated speed:	1470 rpm			
Efficiency:	IE3 92,6%			
Motor efficiency at full load:	92.6-92.6 %			
Motor efficiency at 3/4 load:	93.2-93.2 %			
Motor efficiency at 1/2 load:	93.2-93.2 %			
Number of poles:	4			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
	-			
Enclosure class (IEC 34-5): Insulation class (IEC 85): Motor protec: Motor No:	55 Dust/Jetting F PTC 99032117			



Company name: Created by: Phone:

	Date:	05/10/2018
Value		
0.65		
EuP Standalone/Prod.		
785 kg		
893 kg		
1.52 m³		
	0.65 EuP Standalone/Prod. 785 kg 893 kg	Value 0.65 EuP Standalone/Prod. 785 kg 893 kg

