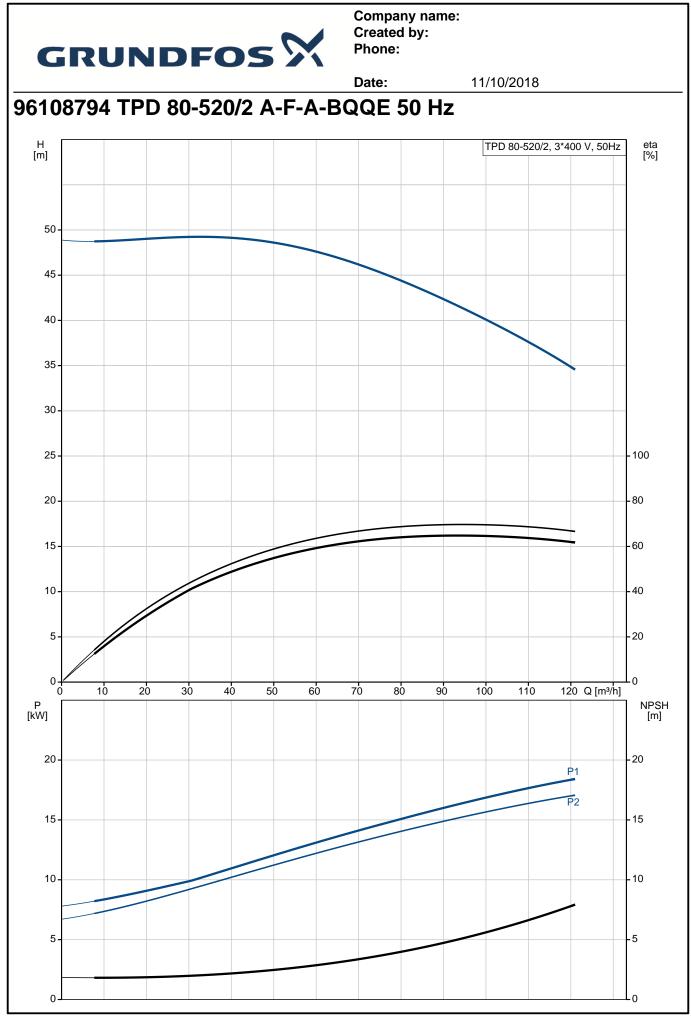
G		UNDFOS	Croa	pany name: ted by: ne:				
			Date	:	11/10/2018			
Position	Qty.	Description						
	1	TPD 80-520/2 A-F-A-BQQE						
		Product No.: 96108794						
		diameter. The twin-head pump is top-pull-out design, i.e. the power	ngle-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical ameter. The twin-head pump is designed with two parallel power-heads. The pump is of the p-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for aintenance or service while the pump housing remains in the pipework.					
		12756. Pipework connection is v	n power head is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 56. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). In 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:	87.5 m ³ /h 43.2 m 190 mm BQQE ISO9906:2012 3	3				
		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: (@): Flange size for motor:						
		Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	160LB IE3 2 x 18.5 kW 18.5 kW 50 Hz					



Company name: Created by: Phone:

Description		
i		
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: Country of origin: Custom tariff no.:	3 x 380-415D/660-690Y V 34,5-32,5/20,0-18,8 A 830-980 % 0.89-0.85 2940-2950 rpm IE3 92,4% 93.2 % 93.2 % 2 55 Dust/Jetting F : 0.70 EuP Standalone/Prod. 375 kg 399 kg 0.64 m ³ HU 84137065	
	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: Country of origin:	Rated current: $34,5-32,5/20,0-18,8$ AStarting current: $830-980$ %Cos phi - power factor: $0.89-0.85$ Rated speed: $2940-2950$ rpmEfficiency:IE3 92,4%Motor efficiency at full load: 92.4 %Motor efficiency at 3/4 load: 93.2 %Motor efficiency at 1/2 load: 93.2 %Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEICorss weight: 375 kgGross weight: 399 kgShipping volume: 0.64 m³Country of origin:HU





Company name: Created by: Phone:

		н			0*400 1/ 501	
Description	Value	[m]		120 80-520/2	2, 3*400 V, 50Hz	et [%
General information:						
Product name:	TPD 80-520/2 A-F-A-BQQE	50 -				
Product No:	96108794					
EAN number:	5700396977607	45 -				_
Technical:						
Rated flow:	87.5 m³/h	40 -			\searrow	-
Rated head:	43.2 m	25				
Head max:	520 dm	35 -				
Actual impeller diameter:	190 mm	30 -				
Primary shaft seal:	BQQE					
Curve tolerance:	ISO9906:2012 3B	25 -				100
Pump version:	A					
Model:	A	20 -				- 80
Materials:		45				
Pump housing:	Cast iron	15 -				- 60
r amp nousing.	EN-JL1040	10 -				40
	ASTM A48-40 B					
Impollory		5-				20
Impeller:	Cast iron					
	EN-JL1030	0 /	0 40	60 80	100 Q [m³/h]	10 I
Material as dec	ASTM A48-30 B	P				NP
Material code:	A	[kW]				[r
Installation:		20 -			P1	- 20
Range of ambient temperature:	-30 60 °C					
Maximum operating pressure:	16 bar	15 -			P2	15
Flange standard:	DIN	-				
Pipe connection:	DN 80	10 -				- 10
Pump inlet:	DN 80	10-				
Pump outlet:	DN 80					
Pressure rating:	PN 16	5 -				- 5
(@)	500 mm					
Flange size for motor:	FF300	0				
Connect code:	F					
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:						
Density:	998.2 kg/m ³					
Electrical data:	000.2 kg/m					
	160LB					
Motor type: IE Efficiency class:	IE3					
-						
Rated power - P2:	2 x 18.5 kW					
Power (P2) required by pump:	18.5 kW					
Mains frequency:	50 Hz					
Rated voltage:	3 x 380-415D/660-690Y V					
Rated current:	34,5-32,5/20,0-18,8 A					
Starting current:	830-980 %					
Cos phi - power factor:	0.89-0.85					
Rated speed:	2940-2950 rpm					
Efficiency:	IE3 92,4%					
Motor efficiency at full load:	92.4 %					
Motor efficiency at 3/4 load:	93.2 %					
Motor efficiency at 1/2 load:	93.2 %					
Number of poles:	2					
Enclosure class (IEC 34-5):	55 Dust/Jetting					
Insulation class (IEC 85):	F					
Motor protec:	PTC					
Motor No:	87420023					
Others:	01720020					



Company name: Created by: Phone:

		Date:	11/10/2018
Description	Value		
Minimum efficiency index, MEI :	0.70		
ErP status:	EuP Standalone/Prod.		
Net weight:	375 kg		
Gross weight:	399 kg		
Shipping volume:	0.64 m³		
Country of origin:	HU		
Custom tariff no.:	84137065		

