

07/03/2019

Qty. | Description

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TPE3 D 80-150-S A-F-A-BQQE



Note! Product picture may differ from actual product

Product No.: 99272528

Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads. 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.

Each power head is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 10 DIN flanges (EN 1092-2 and ISO 7005-2).

Each power head is fitted with a fan-cooled, permanent-magnet synchronous motor of identical size. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

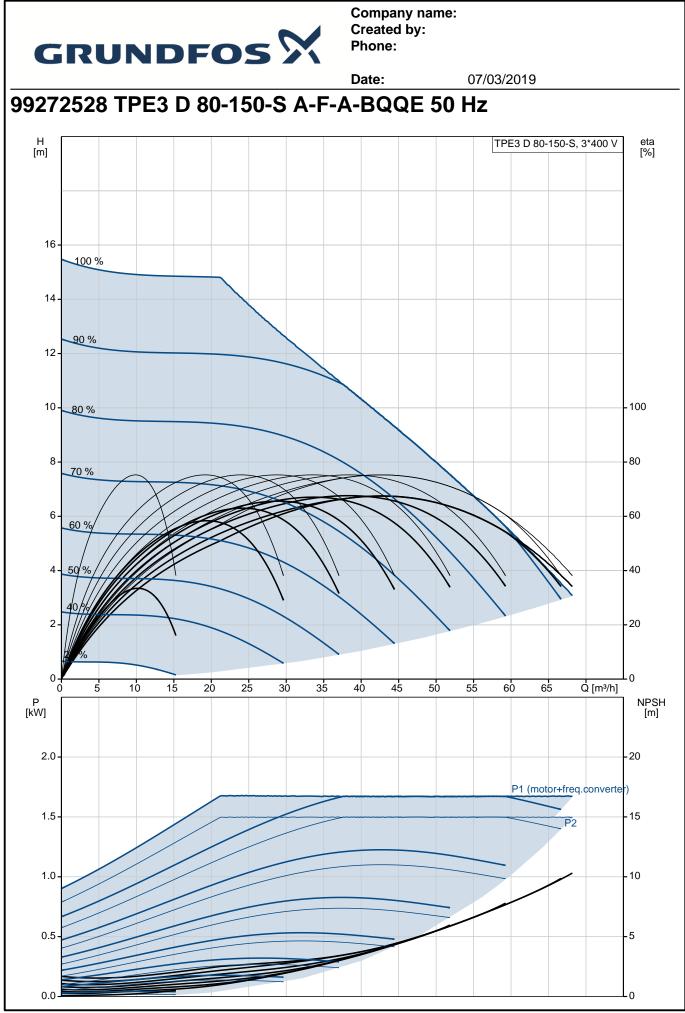
The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. The pump is fitted with a combined temperature- and differential-pressure sensor.

Controls:

Frequency converter:	Built-in
Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during oper Density:	Water -25 120 °C ation: 20 °C 998.2 kg/m³
Technical: Pump speed on which pump da Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	ata are based: 3400 rpm 42.7 m³/h 9.8 m 90 mm BQQE ISO9906:2012 3B
Materials: Pump housing: Impeller:	Cast iron EN-JL1040 ASTM A48-40 B Composite PES/PP 30% GF
Installation: Range of ambient temperature: Maximum operating pressure: Max pressure at stated temp: Flange standard: Pipe connection:	10 bar



		Date:	07/03/2019	
Description				
Pressure rating:	PN 10			
Port-to-port length:	360 mm			
Flange size for motor:	56C			
Electrical data:				
Motor type:	90SC			
IE Efficiency class:	IE5			
Rated power - P2:	2 x 1.5 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-500 V			
Rated current:	2.90-2.40 A			
Cos phi - power factor:	0.92-0.85			
Rated speed:	360-4000 rpm			
Efficiency:	88.9%			
Motor efficiency at full load:	88.9 %			
Enclosure class (IEC 34-5): Insulation class (IEC 85):	IP55 F			
Others:				
Minimum efficiency index, MEI	≥: 0.7			
ErP status:	EuP Standalone/Pr	rod.		
Net weight:	67.1 kg			
Gross weight:	80.3 kg			
Shipping volume:	246 m ³			
Country of origin:	HU			
Custom tariff no.:	84137065			



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		· <u> </u>		07/03/2019				
Description General information:	Value	[m]			TPE3 [D 80-150	-S, 3*400 V	/ eta [%
Product name:	TPE3 D 80-150-S A-F-A-BQQE	-						
Product No:	99272528	16-100 9	%					
EAN number:	5713826366070	-						
Price:	7.052,00 GBP	14 -						
Technical:	7.002,00 001	90 %						
Pump speed on which pump data are based:	3400 rpm	12-		A				
Rated flow:	42.7 m³/h	10 - 80 %						- 100
Rated head:	9.8 m	-						
Head max:	150 dm	8-70%						- 80
Actual impeller diameter:	90 mm		\times					
Primary shaft seal:	BQQE	6-60/%	X			\mathcal{H}		- 60
Curve tolerance:	ISO9906:2012 3B				$\langle \rangle \rangle$	$\langle \rangle \rangle$		
	A	4 - 50 %		1/ 1/	N,	ψ / ψ		- 40
Pump version: Model:	A	40		1 1	'\	. / .	11	
Materials:	Π	2-			$\langle \rangle$	1,		- 20
	Castiron	%						
Pump housing:	Cast iron EN-JL1040	0 –						⊥₀
		- 0 P	10 20	30 4	0 5	0 60) Q [m³/h]	I] NF
	ASTM A48-40 B	[kW]						[
Impeller:	Composite PES/PP 30% GF	2.0 -				D4 (- 20
Material code:	A					P1 (m	otor+freq.co	
Installation:		1.5 -	1/7				P2	- 15
Range of ambient temperature:	-20 50 °C	-	///					
Maximum operating pressure:	10 bar	1.0-	///				/	10
Max pressure at stated temp:	10 bar / 120 °C					-/		
Flange standard:	DIN	0.5 -						- 5
Pipe connection:	DN 80							
Pressure rating:	PN 10	0.0						
Port-to-port length:	360 mm							
Flange size for motor:	56C	1-	337	337	~ 1			
Connect code:	F		260	_				
Liquid:		1			n			
Pumped liquid:	Water	0 Q					8	
Liquid temperature range:	-25 120 °C							
Liquid temperature during operation:	20 °C	ĽĽ	¢		Ц			
Density:	998.2 kg/m³	- 6				f		ŧ
Electrical data:				Ľ,	1	Π	Lä I	176
Motor type:	90SC	Æ	(-(-))	h-A	-			<u>+</u> →
IE Efficiency class:	IE5	-	×1/9-0/			╟┶╤╴	165	Ŧ
Rated power - P2:	2 x 1.5 kW	-	244	254			165 160	97
Mains frequency:	50 Hz	- · · · · ·				4	•	
Rated voltage:	3 x 380-500 V	- 134	1			-	218	102
Rated current:	2.90-2.40 A	- 134		134	<u>M12</u>	7-	far	
Cos phi - power factor:	0.92-0.85	- 122	X	$\langle \rangle$	134	h-	V* 12	1 <u>6</u>
Rated speed:	360-4000 rpm	\sim \sim		\gg			-1-	₩ ²
Efficiency:	88.9%	- X	(())))) ((\times	E	77 f	130
Motor efficiency at full load:	88.9 %	\sim	V (Y X	×	~ Y	5A	<u> </u>
Enclosure class (IEC 34-5):	IP55		•	/	¥ ¹⁵⁸		XV.	102
Insulation class (IEC 85):	F		l			<u>M12</u>		102
Motor protec:	YES							
Motor No:	99138002							
Controls:	3313000Z							
	UMI200 Craphical							
Control panel:	HMI300 - Graphical							
Function Module:	FM300 - Advanced							
Frequency converter:	Built-in							

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ErP status:	EuP Standalone/Prod.		
Net weight:	67.1 kg		
Gross weight:	80.3 kg		
Shipping volume:	246 m ³		
Config. file no:	98484875		
Country of origin:	HU		
Custom tariff no.:	84137065		

