

07/03/2019

Qty. | Description

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## TPE3 D 65-180-S A-F-A-BQQE



Note! Product picture may differ from actual product

Product No.: 99272562

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 6/10 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.

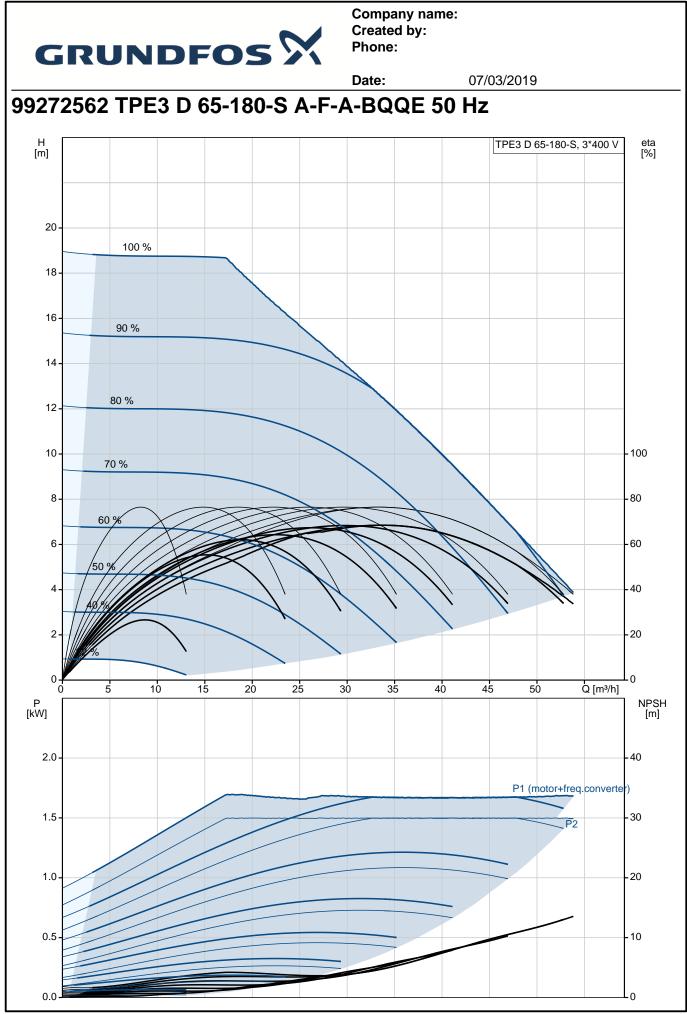
The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. The pump is fitted with a combined temperature- and differential-pressure sensor.

## Controls:

Frequency converter:	Built-in
Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density:	Water -25 120 °C eration: 20 °C 998.2 kg/m³
<b>Technical:</b> Pump speed on which pump Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	data are based: 4470 rpm 32.7 m³/h 12.8 m 78 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 temperatur Maximum operating pressure Max pressure at stated temp: Flange standard: Pipe connection:	: 10 bar



			Date:	07/03/2019
	Description			
	Pressure rating:	PN 6/10		
	Port-to-port length:	340 mm		
	Flange size for motor:	56C		
	Electrical data:			
	Motor type:	90SB		
	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:	3.05-2.50 A		
	Cos phi - power factor:	0.90-0.83		
	Rated speed:	480-5900 rpm		
	Efficiency:	89.1%		
	Motor efficiency at full load:	89.1 %		
	Enclosure class (IEC 34-5):	IP55		
	Insulation class (IEC 85):	F		
	Others:			
	Minimum efficiency index, MEI	≥: 0.7		
	ErP status:	EuP Standalone/Pro	od.	
	Net weight:	58.6 kg		
	Gross weight:	71.9 kg		
	Shipping volume:	246 m <sup>3</sup>		
	Country of origin:	HU		
	Custom tariff no .:	84137065		
1				



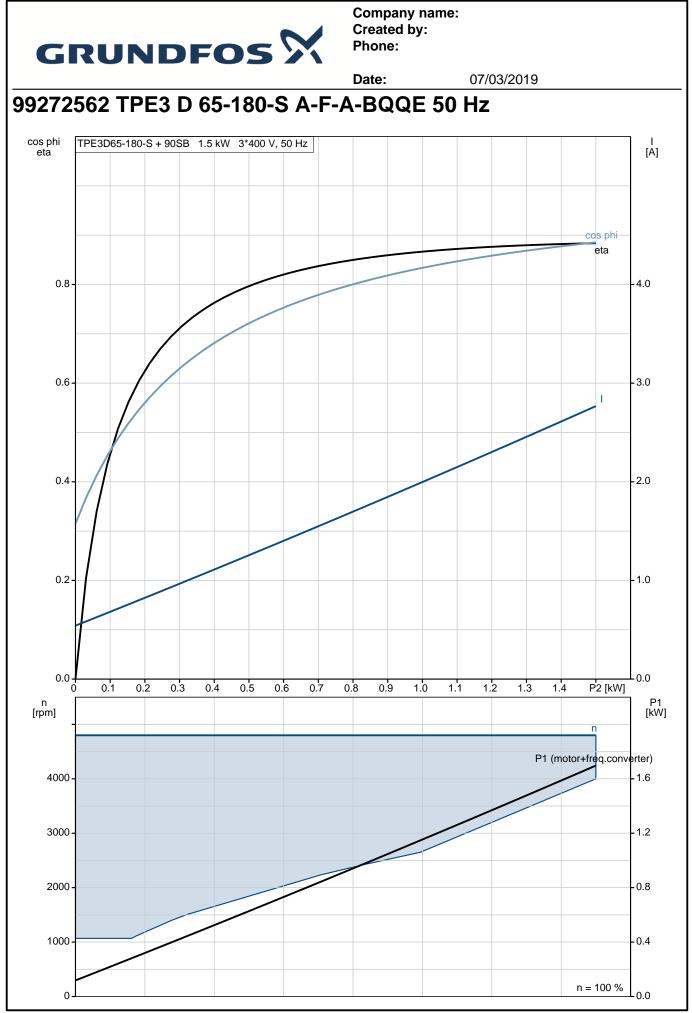
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Description	Value	[m]			IPE3D6	5-180-S, 3	400 V	e ['
General information:								
Product name:	TPE3 D 65-180-S A-F-A-BQQE	20 -	100 %					
Product No:	99272562	18 -	100 /8					
EAN number:	5713826366957	18-						
Price:	6.684,00 GBP	16 -						
Technical:	0.004,00 001		90 %					
Pump speed on which pump data are		14 -						
based:	4470 rpm	12 -	80 %					
Rated flow:	32.7 m³/h							
Rated head:	12.8 m	10 -	70 %					- 100
Head max:	180 dm		10 /0					
Actual impeller diameter:	78 mm	8-		~~~~	$\rightarrow$			- 80
Primary shaft seal:	BQQE	_	60%		A -			
Curve tolerance:	ISO9906:2012 3B	6-	EN A					- 60
Pump version:	A	4-	TIMA	IN		11 1		- 40
Model:	A	- "]	AN	1. 6			×	+0
Materials:		2-						- 20
Pump housing:	Cast iron	_	₩_ \					-
r ump nousing.		0 -					1 0/1 2	- 0
	EN-JL1040	0 P [	10	20 3	30 40	Q	[m³/h]	N
	ASTM A48-40 B	[kW]						INF [
Impeller:	Composite PES/PP 30% GF	2.0 -						- 40
Material code:	A	_				P1 (motor+	req.con	vertei
Installation:		1.5 -					P2	- 30
Range of ambient temperature:	-20 50 °C	_					, 2	
Maximum operating pressure:	10 bar	1.0 -	////					- 20
Max pressure at stated temp:	10 bar / 120 °C	- 1	///					
Flange standard:	DIN	0.5 -					-	- 10
Pipe connection:	DN 65	0.5 -						- 10
•	PN 6/10							
Pressure rating:		0.0						- 0
Port-to-port length:	340 mm							
Flange size for motor:	56C	- +	337	337				
Connect code:	F	_	26	)				
Liquid:		_			an r			
Pumped liquid:	Water						8	
Liquid temperature range:	-25 120 °C							
Liquid temperature during operation:	20 °C				LU K		1	
Density:	998.2 kg/m <sup>3</sup>	-					7	<sup>8</sup>
Electrical data:	-				, г	L 2	1 π	169
Motor type:	90SB		Francis Contraction	JAR S				-+
IE Efficiency class:	IE5			\$ <u>4</u>		HI	FHL.	Ţ
Rated power - P2:	2 x 1.5 kW		228	65 240		165	▶	78
Mains frequency:	50 Hz		↓ <u>228</u>	240		340	-	1
Rated voltage:		134	^ .			218	<u> ► </u> ∢ ►	92
•	3 x 380-500 V	- 134		<u>/</u>	34 M12		1 2	
Rated current:	3.05-2.50 A	_ 🖌 122		$\overline{\langle \cdot \rangle}$	×	1 XC	€	Ă
Cos phi - power factor:	0.90-0.83	_ \ `	KX XA	$\langle \mathcal{K} \rangle$	134		Я	130
Rated speed:	480-5900 rpm					<u>†</u> € • <b>†</b> 0	┝─┤╫	
Efficiency:	89.1%	_ ``	K K K K K K K K K K K K K K K K K K K		¥ 🔪 !	μζ γ	A	130
Motor efficiency at full load:	89.1 %			Ľ ×	158	(\$	<b>#</b> )+	
Enclosure class (IEC 34-5):	IP55		1		×	M12	K	92
Insulation class (IEC 85):	F		٩					
Motor protec:	YES							
Motor No:	99138037							
Controls:								
Control panel:	HMI300 - Graphical							
Function Module: Frequency converter:	FM300 - Advanced							
Fraguancy convariar	Built-in							



		Date:	07/03/2019
Description	Value		
Minimum efficiency index, MEI ≥:	0.7	-	
ErP status:	EuP Standalone/Prod.		
Net weight:	58.6 kg		
Gross weight:	71.9 kg		
Shipping volume:	246 m <sup>3</sup>		
Config. file no:	98484873		
Country of origin:	HU		
Custom tariff no.:	84137065		



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