Qty. | Description

TPE3 D 50-60 S-A-F-A-BQQE-DAB



Note! Product picture may differ from actual product

Product No.: On request

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: Water
Liquid temperature range: -25 .. 120 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2500 rpm

Rated flow: 14 m³/h
Rated head: 3.9 m
Actual impeller diameter: 74 mm
Code for shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B2

Materials:

Impeller:

Pump housing: Cast iron

EN-GJL-250 ASTM class 35

Composite

PES+30% GF

Installation:

Range of ambient temperature: -20 .. 50 °C Maximum operating pressure: 10 bar

Max pressure at stated temp: 10 bar / 120 °C

Type of connection: DIN
Size of connection: DN 50
Pressure rating for connection: PN 6/10
Port-to-port length: 280 mm
Flange size for motor: 56C

Electrical data:

Motor type: 71A
IE Efficiency class: IE5
Rated power - P2: 0.37 kW

Qty. Description Mains frequency: 50 Hz Rated voltage: 1 x 200-240 V Rated current: 2.40-2.10 A Cos phi - power factor: 0.96 Rated speed: 360-4000 rpm Efficiency: 84.0% Motor efficiency at full load: 84.0 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137984 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 48 kg Gross weight: 61.3 kg Shipping volume: $0.252 \; m^3$ Country of origin: HU Custom tariff no.: 84137065

Description	Value	H [m]	TPE3 D 50-60, 1*230
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C
Product name:	TPE3 D 50-60	 5.5 -	Density = 008 2 kg/m ³
	S-A-F-A-BQQE-DAB	0.0 -	100 %
Product No:	On request	5.0 -	
EAN number:	On request	4.5 -	
Technical:		4.5	90 %
Pump speed on which pump data are based:	2500 rpm	4.0 -	
Rated flow:	14 m³/h	3.5 -	80 %
Rated head:	3.9 m	3.0 -	
Maximum head:	60 dm	3.0 -	
Actual impeller diameter:	74 mm	2.5 -	70 %
Code for shaft seal:	BQQE		
Curve tolerance:	ISO9906:2012 3B2	2.0 -	60 %
Pump version:	A	1.5 -	
Materials:			
Pump housing:	Cast iron	1.0 -	
Pump housing:	EN-GJL-250	0.5 -	
Pump housing:	ASTM class 35		
Impeller:	Composite	0.0	0 5 10 15 20 Q[m³/
Impeller:	PES+30% GF	— _Р	2 .0 .0 20 %[iii/
Material code:	Α	[W]	+
Installation:		350 -	P1 (motor+freq.converter)
Range of ambient temperature:	-20 50 °C	300 -	
Maximum operating pressure:	10 bar		500
Max pressure at stated temp:	10 bar / 120 °C	250 -	
Type of connection:	DIN	200 -	
Size of connection:	DN 50	150 -	
Pressure rating for connection:	PN 6/10	100 -	
Port-to-port length:	280 mm	50 -	
Flange size for motor:	56C	0-	
Connect code:	F		
Liquid:	•		
Pumped liquid:	Water	_ +	317.4 317.4 260
Liquid temperature range:	-25 120 °C	_ n	
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³	— H	
Electrical data:			
Motor type:	71A		
IE Efficiency class:	IE5		50
Rated power - P2:	0.37 kW		223 227 280
Mains frequency:	50 Hz		
Rated voltage:	1 x 200-240 V	106/	175 M12
Rated current:	2.40-2.10 A	106	106
Cos phi - power factor:	0.96	$ \langle$ $\stackrel{\scriptscriptstyle 120}{\downarrow}$	
Rated speed:	360-4000 rpm	$ \sim$	
Efficiency:	84.0%	`	158
Motor efficiency at full load:	84.0 %		M12 75
Enclosure class (IEC 34-5):	IP55		
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Insulation class (IEC 85):	F		[55]
Built-in motor protection:	ELEC		N I I I I I I I I I I I I I I I I I I I
Motor No:	99137984		Ø ⊕
Controls:	LIMI200 Coombised		NC CT
Control panel:	HMI300 - Graphical		
Function Module:	FM300 - Advanced		100 mm
Frequency converter:	Built-in		17 DAKCO2 17 PHOD/1000
Others:	0.70		12 Ao 13 Ao 14 Ao
Minimum efficiency index, MEI ≥:	0.70		DI Lighte
Notwoight	48 kg		20 (axo) 10 (ax
Net weight:	61.3 kg		date date date date date date date date
Gross weight:	_		
Gross weight: Shipping volume:	0.252 m³		5 GAV 5 GAV GENTRAR A
Gross weight: Shipping volume: Config. file no:	0.252 m³ 98481460		To Story Gentle A Gentle A Gentle A Gentle B Gentle
Gross weight: Shipping volume:	0.252 m³		To constant and the con

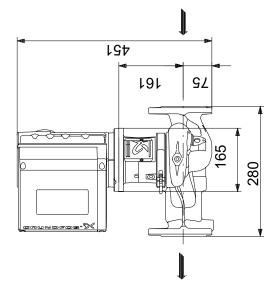
NPSH [m]

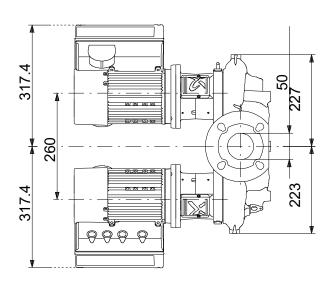
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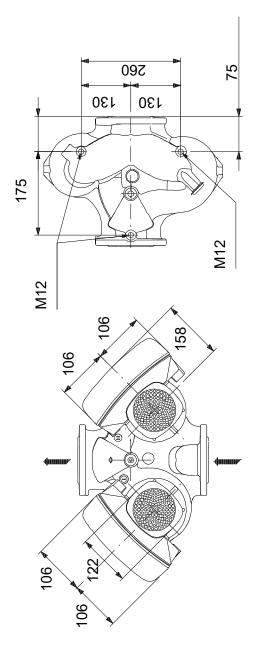
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eta [%]

On request TPE3 D 50-60 S-A-F-A-BQQE-DAB 50 Hz







Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		TPE3 D 50-60	1	On request	Price or request		
					requesi		