Qty. | Description

TPE3 D 65-80 S-A-F-A-BQQE-EAB



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: 3000 rpm

Rated flow: 23.4 m³/h
Rated head: 5.5 m
Actual impeller diameter: 78 mm
Code for shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B2

Materials:

Pump housing: Cast iron

EN-GJL-250 ASTM class 35

Impeller: 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 65
Pressure rating for connection: PN 6/10
Port-to-port length: 340 mm
Flange size for motor: 56C

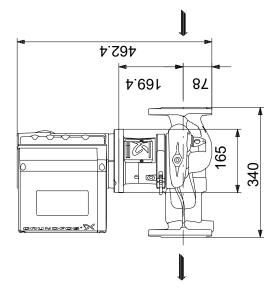
Electrical data:

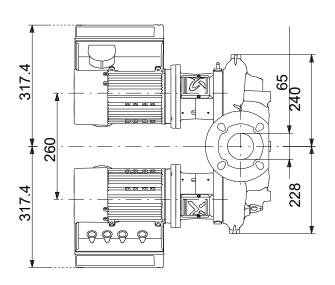
Motor type: 71A
IE Efficiency class: IE5
Rated power - P2: 0.55 kW

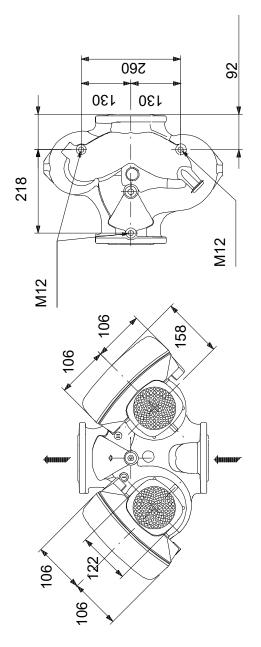
Qty. Description Mains frequency: 50 Hz Rated voltage: 1 x 200-240 V Rated current: 3.45-2.90 A Cos phi - power factor: 0.98 Rated speed: 360-4000 rpm Efficiency: 85.3% Motor efficiency at full load: 85.3 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137985 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 51.5 kg Gross weight: 64.8 kg Shipping volume: $0.252 \; m^3$ Country of origin: HU Custom tariff no.: 84137065

Description	Value	H [m] TPE3 D 65-80, 1*230 V	/ eta [%]
General information:		Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	TPE3 D 65-80	Density = 998.2 kg/m ³	
r roddot ffame.	S-A-F-A-BQQE-EAB	8 _ 100 %	
Product No:	On request		
EAN number:	On request		
Technical:		7-	
Pump speed on which pump data are based:	3000 rpm	6 - 90 %	
Rated flow:	23.4 m³/h		
	=*	5 80 %	100
Rated head:	5.5 m		
Maximum head:	80 dm	4 70 %	80
Actual impeller diameter:	78 mm		
Code for shaft seal:	BQQE	3 - 60 %	-60
Curve tolerance:	ISO9906:2012 3B2		
Pump version:	Α	2 50 %	40
Materials:			T ⁴⁰
Pump housing:	Cast iron		
Pump housing:	EN-GJL-250	1-	20
Pump housing:	ASTM class 35	70	
Impeller:	Composite	0 5 10 15 20 25 30 35 Q [m³/h	<u> </u>
Impeller:	PES+30% GF		IJ □ NPSH
Material code:	A	P [W]	[m]
Installation:	^	P1 (motor+freq.converter)	
	00 50 %0	600	12
Range of ambient temperature:	-20 50 °C	500 - P2	10
Maximum operating pressure:	10 bar		
Max pressure at stated temp:	10 bar / 120 °C	400	-8
Type of connection:	DIN	300	-6
Size of connection:	DN 65	200	4
Pressure rating for connection:	PN 6/10	200	Τ"
Port-to-port length:	340 mm	100	-2
Flange size for motor:	56C	0	\perp_0
Connect code:	F		
Liquid:			
Pumped liquid:	Water	317.4 317.4 260	
Liquid temperature range:	-25 120 °C		
	20 °C		
Selected liquid temperature:			
Density:	998.2 kg/m³		
Electrical data:			
Motor type:	71A		
IE Efficiency class:	IE5	228 240 340	
Rated power - P2:	0.55 kW	-	
Mains frequency:	50 Hz	218	
Rated voltage:	1 x 200-240 V	106 M12	
Rated current:	3.45-2.90 A	106 122	
Cos phi - power factor:	0.98		
Rated speed:	360-4000 rpm		
Efficiency:	85.3%	158	
Motor efficiency at full load:	85.3 %	M12 92	
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	ELEC	×	
Motor No:	99137985		
Controls:			
Control panel:	HMI300 - Graphical	100 100	
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in	-2417 CC - 151 - 151 Casc - 151 C	
Others:			
Minimum efficiency index, MEI ≥:	0.70	S CAN S CAN CA	
Net weight:	51.5 kg	31 Lifec 30 OND	
Gross weight:	64.8 kg		
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Shipping volume:	0.252 m ³	6 940 A GONBUR A 7 J CONBUR Y	
Config. file no:	98481467	II GENEVA B	
=		1 000	
Country of origin: Custom tariff no.:	HU 84137065	3 (000 15 -040V 1 -040V	

On request TPE3 D 65-80 S-A-F-A-BQQE-EAB 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 65-80	1	On request	Price or request	
					request	