Qtv. Description

TPE3 65-80 S-A-F-I-BQQE-EDB



Note! Product picture may differ from actual product

Product No.: On request

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. 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.

The shaft seal is according to EN 12756. Pipework connection is via PN 6/10 DIN flanges (EN 1092-2 and ISO

The pump is fitted with a fan-cooled, permanent-magnet synchronous motor. 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 20 °C Selected liquid temperature: Density: 998.2 kg/m3

Technical:

Pump speed on which pump data are based: 3000 rpm

Rated flow: 24.9 m³/h Rated head: 5.7 m Actual impeller diameter: 78 mm Code for shaft seal: **BQQE**

Curve tolerance: ISO9906:2012 3B2

Materials:

Stainless steel Pump housing:

> EN 1.4308 **ASTM CF8**

Composite Impeller:

PES+30% GF

Installation:

-20 .. 50 °C Range of ambient temperature: 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

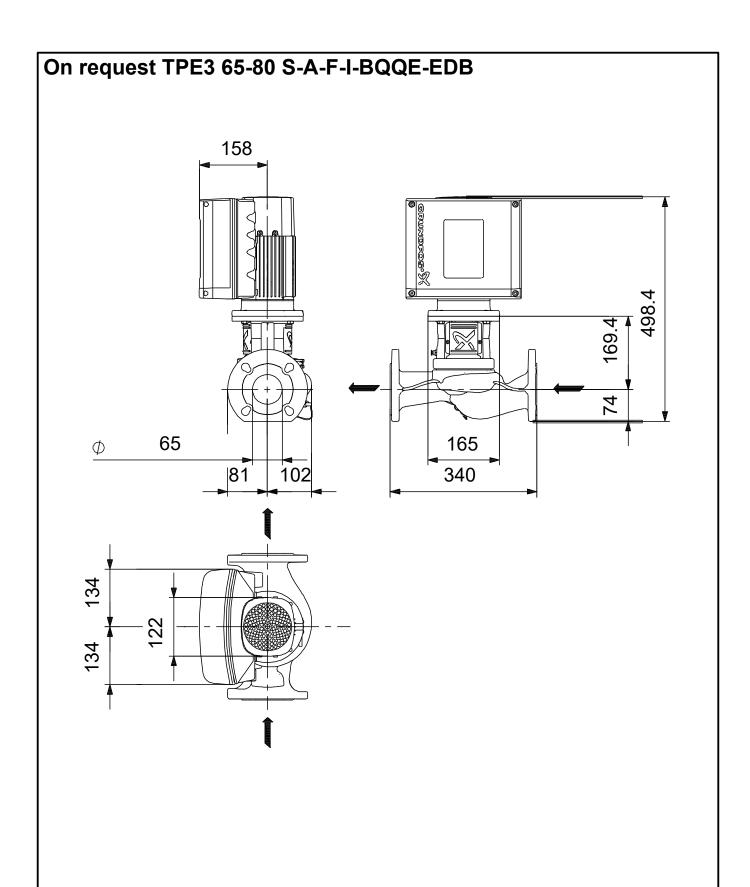
Electrical data:

Motor type: 71A IE Efficiency class: IF5 Rated power - P2: 0.55 kW Mains frequency: 50 / 60 Hz Rated voltage: 3 x 380-500 V

Description Qty. 1.35-1.30 A Rated current: 0.77-0.61 Cos phi - power factor: Rated speed: 360-4000 rpm Efficiency: 85.9% Motor efficiency at full load: 85.9 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137999 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 29.5 kg Gross weight: 38.2 kg Shipping volume: 0.164 m³ Danish VVS No.: 382153080 Finnish LVI No.: 4616337 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]	TPE3 65-80, 3*460 V	eta [%]
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	TPE3 65-80 S-A-F-I-BQQE-EDB		Density = 998.2 kg/m³	
Product No:	On request	8-	100 %	
EAN number:	On request			
Technical:	J111044000			
Pump speed on which pump data are based:	3000 rpm	6	90 %	
Rated flow:	24.9 m³/h		80 %	
Rated head:	5.7 m	5 —	00 70	- 100
Maximum head:	80 dm			
Actual impeller diameter:	78 mm	4 -	70 %	- 80
Code for shaft seal:	BQQE			
Curve tolerance:	ISO9906:2012 3B2	3-	60%	- 60
Pump version:	Α	— I,		
Materials:		2		- 40
Pump housing:	Stainless steel	—	40 %	
Pump housing:	EN 1.4308	1 -		- 20
Pump housing:	ASTM CF8		24 %	
Impeller:	Composite		5 10 15 20 25 30 35 Q [m³/h]	- 0
Impeller:	PES+30% GF	— Р 🗀		NPSH
Material code:	1	[W]		[m]
Installation:	•			12
Range of ambient temperature:	-20 50 °C	600 -		- 12
Maximum operating pressure:	10 bar	500	P1 (motor+freq:sonverter)	- 10
Max pressure at stated temp:	10 bar / 120 °C	400	P2	- 8
Type of connection:	DIN			•
Size of connection:	DN 65	300		- 6
Pressure rating for connection:	PN 6/10	200 -		- 4
Port-to-port length:	340 mm	100		-2
Flange size for motor:	56C			- 0
Connect code:	F			-0
Liquid:	ı		450	
Pumped liquid:	Water		158	
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³		4	
Electrical data:	990.2 kg/III		48 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Motor type:	71A			
IE Efficiency class:	IE5			
Rated power - P2:	0.55 kW	φ 65		
Mains frequency:	50 / 60 Hz		81 102 340	
Rated voltage:	3 x 380-500 V			
Rated current:	1.35-1.30 A	45		
Cos phi - power factor:	0.77-0.61	- -8-		
Rated speed:	360-4000 rpm	— 45 ± ±		
Efficiency:	85.9%			
Motor efficiency at full load:	85.9 %		Ţ	
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Built-in motor protection:	ELEC			
Motor No:	99137999			
Controls:	50101000	PE	Ø @	
Controls:	HMI300 - Graphical		MC CT	
Function Module:	FM300 - Advanced		100 20 100	
Frequency converter:	Built-in		-341V OC 11 10 04002	
Others:	Duilt-III			
Minimum efficiency index, MEI ≥:	0.70	*26	1 DO	
			71 LegTec 72 days	
Net weight:	29.5 kg			
Gross weight:	38.2 kg	417	2 OH 	
Shipping volume:	0.164 m ³		A GOMBIAN A ' GOMBIAN Y B GOMBIAN B	
Config. file no:	98484786		3 GNO 15 -24 V	
Danish VVS No.:	382153080 4616337		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Finnish LVI No.:				

Description	Value		
Description Country of origin:	Value HU		
Custom tariff no.:	84137051		



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 65-80	1	On request	Price on request			
					requesi			