## Qty. | Description

## 1 TPE3 40-200 S-A-F-A-BQQE-GAC



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 7005-2).

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
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 5000 rpm

Rated flow: 20.5 m³/h
Rated head: 14.9 m
Actual impeller diameter: 74 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:  $-20 ... 50 \,^{\circ}\text{C}$  Maximum operating pressure:  $10 \, \text{bar}$ 

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

Type of connection:

Size of connection:

Pressure rating for connection:

Port-to-port length:

Flange size for motor:

DIN

DN 40

PN 6/10

250 mm

56C

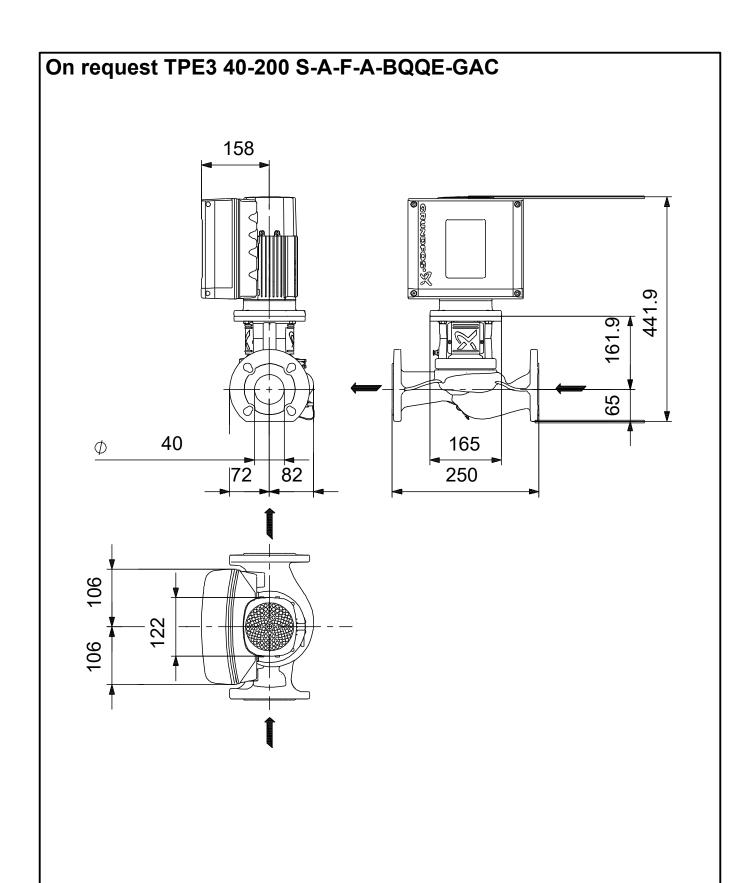
Electrical data:

Motor type: 80A
IE Efficiency class: IE5
Rated power - P2: 1.1 kW
Mains frequency: 50 / 60 Hz
Rated voltage: 1 x 200-240 V

## Qty. Description 6.80-5.70 A Rated current: Cos phi - power factor: 0.99 Rated speed: 480-5900 rpm Efficiency: 85.7% Motor efficiency at full load: 85.7 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99138025 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 22.6 kg Gross weight: 29.8 kg Shipping volume: 0.104 m<sup>3</sup> Danish VVS No.: 381601200 Swedish RSK No.: 5745877 Finnish LVI No.: 4616190 Norwegian NRF no.: 9043459 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]	TPE3 40-200, 1	*230 V eta [%]
General information:			Pumped liquid = Water Liquid temperature during operation =	20 °C
Product name:	TPE3 40-200 S-A-F-A-BQQE-GAC	24 -	Density = 998.2 kg/m³	
Product No:	On request	22 -		
EAN number:	On request	20		100
Technical:	J		90 %	T .93
Pump speed on which pump data are based:	5000 rpm	18 -	90 %	-90
	00 5 3/1-	16 -		- 80
Rated flow:	20.5 m³/h	14	// X 80 %	70
Rated head:	14.9 m	/		
Maximum head:	200 dm	12 - //		-60
Actual impeller diameter:	74 mm	10 -		50
Code for shaft seal:	BQQE			·
Curve tolerance:	ISO9906:2012 3B2	8 - 1///		-40
Pump version:	Α	6 -	50 %	30
Materials:				
Pump housing:	Cast iron	4 -	40 %	- 20
Pump housing:	EN-GJL-250	2 -	25%	10
Pump housing:	ASTM class 35		0%	
Impeller:	Composite	0	5 10 15 20 25	<b></b> 0 Q [m³/h]
Impeller:	PES+30% GF	— Р —		NPSH
Material code:	A	P [W]		[m]
Installation:	П		P1 (motor+freq.converte	
	-20 50 °C	1200		- 30
Range of ambient temperature:		1000		- 25
Maximum operating pressure:	10 bar	800		- 20
Max pressure at stated temp:	10 bar / 120 °C	800		-20
Type of connection:	DIN	600 -		15
Size of connection:	DN 40	400		10
Pressure rating for connection:	PN 6/10			
Port-to-port length:	250 mm	200 -		-5
Flange size for motor:	56C	0		0
Connect code:	F			
Liquid:			158	
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³		0,	
Electrical data:	<b>J</b>		161.9	
Motor type:	80A			
IE Efficiency class:	IE5		8	
Rated power - P2:	1.1 kW	φ 40	165	
Mains frequency:	50 / 60 Hz		72 82 250	
			Į.	
Rated voltage: Rated current:	1 x 200-240 V			
	6.80-5.70 A	106		
Cos phi - power factor:	0.99	122		
Rated speed:	480-5900 rpm			
Efficiency:	85.7%		İ	
Motor efficiency at full load:	85.7 %		•	
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Built-in motor protection:	ELEC			
Motor No:	99138025			
Controls:			∅ ⊕	
Control panel:	HMI300 - Graphical		CT NO.	
Function Module:	FM300 - Advanced		NC CC	
Frequency converter:	Built-in	-26	C	
Others:			19 P1001000 17 P1001000 172 AO	
Minimum efficiency index, MEI ≥:	0.70		30 TO	
			1 00 21 Lutino 20 caso	
Net weight:	22.6 kg		22 LiTec	
Gross weight:	29.8 kg	*28 V* *********************************	AI DI SAV	
Shipping volume:	0.104 m³		GND A GRIBBAN A	
Shipping volume: Config. file no:	98481394		B GRADUS B	
	98481394 381601200		Carbon V   Cibba B	

	\/ .	
<b>Description</b> Finnish LVI No.:	Value	
Nonvegion NDC 75	4616190	
Norwegian NRF no.:	9043459	
Country of origin:	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.		Amount	Product No	Total			
		TPE3 40-200	1	On request	Price on request			
					request			
		<u> </u>		<u>                                       </u>				