## Qty. | Description

## 1 TPE3 40-80 S-A-F-A-BQQE-CAB



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: 2970 rpm

Rated flow: 12.3 m³/h
Rated head: 5.4 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

Flange size for motor:

56C

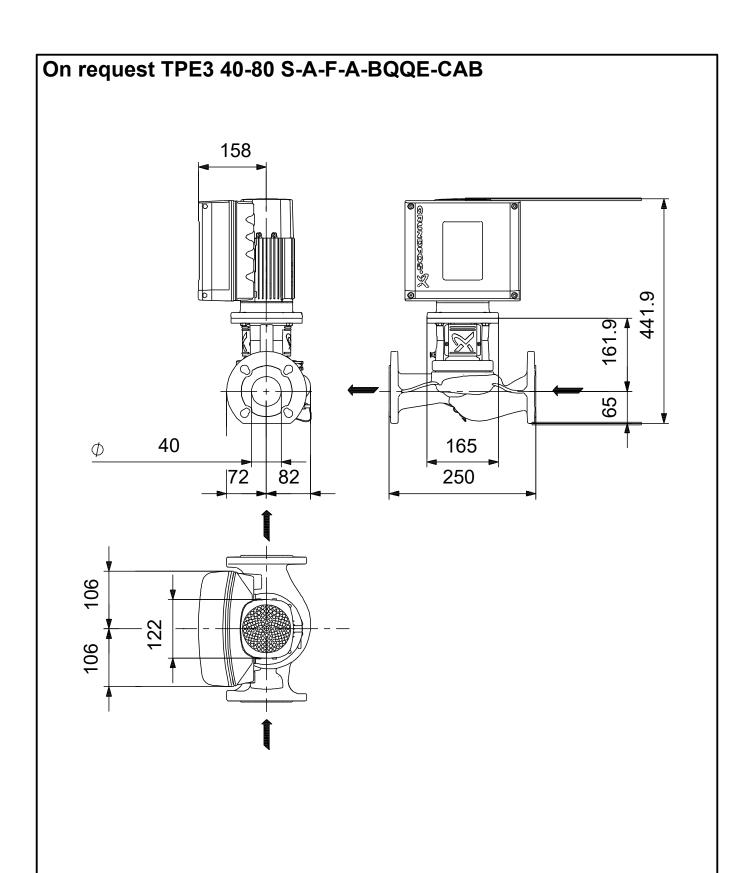
Electrical data:

Motor type: 71A
IE Efficiency class: IE5
Rated power - P2: 0.25 kW
Mains frequency: 50 / 60 Hz
Rated voltage: 1 x 200-240 V

## Qty. Description 1.75-1.50 A Rated current: Cos phi - power factor: 0.95 360-4000 rpm Rated speed: Efficiency: 81.1% Motor efficiency at full load: 81.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137982 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.: 381601080 Swedish RSK No.: 5745873 Finnish LVI No.: 4616186 Norwegian NRF no.: 9043455 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]	TPE3 40-80, 1*230 V	eta [%]
General information:	Turuo		Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	TPE3 40-80 S-A-F-A-BQQE-CAB	_	Density = 998.2 kg/m³	
Product No:	On request	8-	100 %	
EAN number:	On request	_		
Technical:		7-		
Pump speed on which pump data are based:	2970 rpm	6 -	90 %	_
Rated flow:	12.3 m³/h		20.0%	
Rated head:	5.4 m	5 _	80 %	100
Maximum head:	80 dm			
Actual impeller diameter:	74 mm	4 -	70 %	-80
Code for shaft seal:	BQQE			
Curve tolerance:	ISO9906:2012 3B2	3-	60 %	- 60
Pump version:	Α			
Materials:		2-	50 %	<b>-</b> 40
Pump housing:	Cast iron		4000	
Pump housing:	EN-GJL-250	1-		- 20
Pump housing:	ASTM class 35			
Impeller:	Composite		2 4 6 8 10 12 14 16 18 Q[m³/h]	Lo
Impeller:	PES+30% GF	— Р 1	+ 0 0 10 12 14 10 10 Q[III7II]	NPSH
Material code:	A	P [W]		[m]
Installation:	• •		P1 (motor+freq.converter)	12
Range of ambient temperature:	-20 50 °C	300 -		- 12
Maximum operating pressure:	10 bar	250 -	P2	<b>-</b> 10
Max pressure at stated temp:	10 bar / 120 °C	200 -		-8
Type of connection:	DIN	450		
Size of connection:	DN 40	150 =		-6
Pressure rating for connection:	PN 6/10	100 =		-4
Port-to-port length:	250 mm	50 -		-2
Flange size for motor:	56C			$\int_{0}$
Connect code:	F			
Liquid:	ı	<u>.</u>	158	
Pumped liquid:	Water		130	
Liquid temperature range:	-25 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³		6	
Electrical data:	555.2 Kg/III		6.14	
Motor type:	71A			
IE Efficiency class:	IE5		8	
Rated power - P2:	0.25 kW	Φ	40   165   72   82   250	
Mains frequency:	50 / 60 Hz		72 82 250	
Rated voltage:	1 x 200-240 V			
Rated current:	1.75-1.50 A	106		
Cos phi - power factor:	0.95	<b></b>		
Rated speed:	360-4000 rpm			
Efficiency:	81.1%			
Motor efficiency at full load:	81.1 %		Ţ	
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Built-in motor protection:	ELEC		₹ .	
Motor No:	99137982			
Controls:	30101002		<u> </u>	
Control panel:	HMI300 - Graphical		100 100 100	
Function Module:	FM300 - Advanced			
Frequency converter:	Built-in		NO   NO   NO   NO   NO   NO   NO   NO	
Others:	טעוורווו		17 PHIORIGO 17 PHIORIGO 13 AO	
Minimum efficiency index, MEI ≥:	0.70		1 (20) 1	
			27 Ustrac 280 Octo	
Net weight:	22.6 kg		201 V CC (AR) 01 22 LIQTING	
Gross weight:	29.8 kg		dav	
Shipping volume:	0.104 m³		CONDUCTOR OF CONDU	
Config. file no:	98481320		B Collibra B	
Danish VVS No.:	381601080		15 -24V T -24V 26 -55V	
Swedish RSK No.:	5745873		, <del>, , , , , , , , , , , , , , , , , , </del>	

Finnish LVI No.: 4616186  Norwegian NRF no.: 9043455  Country of origin: HU	Description	Value
Norwegian NRF no.: 9043455 Country of origin: HU	Finnish LVI No.:	4616186
Country of origin: HU Coustom tariff no.: 84137051	Norwegian NRF no.:	9043455
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	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 40-80	1	On request	Price on request		
					requesi		