## Qtv. Description

## TPE3 40-240 S-A-F-I-BQQE-HDC



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: 5500 rpm

Rated flow: 22.4 m<sup>3</sup>/h Rated head: 18.6 m Actual impeller diameter: 74 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 40 Pressure rating for connection: PN 6/10 Port-to-port length: 250 mm Flange size for motor: 56C

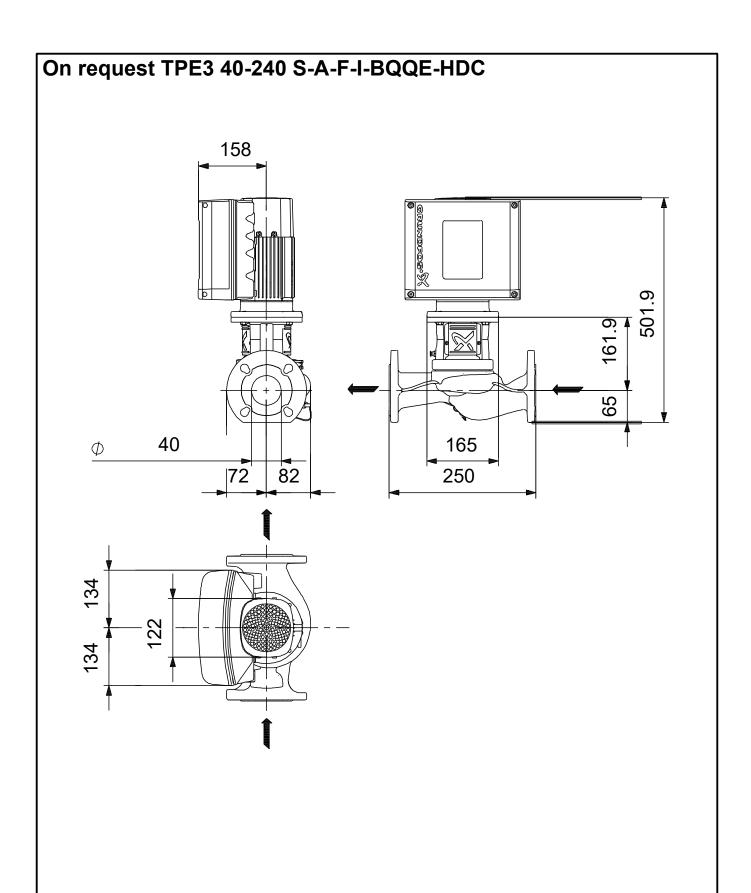
Electrical data:

Motor type: 90SB IE Efficiency class: IE5 Rated power - P2: 1.5 kW Mains frequency: 50 / 60 Hz Rated voltage: 3 x 380-500 V

## Description Qty. 3.05-2.50 A Rated current: Cos phi - power factor: 0.90-0.83 Rated speed: 480-5900 rpm Efficiency: 89.1% Motor efficiency at full load: 89.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99138037 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 26.6 kg Gross weight: 34.1 kg 0.104 m<sup>3</sup> Shipping volume: Danish VVS No.: 382151240 Finnish LVI No.: 4616329 Country of origin: HU Custom tariff no.: 84137051

Description	Value	H [m]	TPE3 40-240, 3*460 V eta [%]
General information:	value	[[111]	Pumped liquid = Water
	TPE3 40-240	26 -	Liquid temperature during operation = 20 °C  Density = 998.2 kg/m³
Product name:	S-A-F-I-BQQE-HDC	0.4	100 %
Product No:	On request	24 -	
EAN number:	On request	22 -	
Technical:	*****	20 -	90 %
Pump speed on which pump data are	5500 rpm		
based:	3300 Ipili	18 -	90
Rated flow:	22.4 m³/h	16 -	80 %
Rated head:	18.6 m	14 -	70
Maximum head:	240 dm		
Actual impeller diameter:	74 mm	12.	70 %
Code for shaft seal:	BQQE	10 -	_50
Curve tolerance:	ISO9906:2012 3B2		80 M/////
Pump version:	A	8 -	40
Materials:	A	6-	30
	Ctainless steel		20
Pump housing:	Stainless steel		
Pump housing:	EN 1.4308	2.	10
Pump housing:	ASTM CF8	0.	0
Impeller:	Composite	(	0 5 10 15 20 25 30 Q [m³/h]
Impeller:	PES+30% GF	P [kW]	NPSH [m]
Material code:		2.0	
Installation:		2.0	
Range of ambient temperature:	-20 50 °C		P1 (motor+freq.converter)
Maximum operating pressure:	10 bar	1.5	P2 -30
Max pressure at stated temp:	10 bar / 120 °C		
Type of connection:	DIN	1.0 -	-20
Size of connection:	DN 40		
Pressure rating for connection:	PN 6/10	0.5	10
Port-to-port length:	250 mm		
Flange size for motor:	56C	0.0	
Connect code:	F	— . <del>——</del>	
Liquid:	•		158
Pumped liquid:	Water		150
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		o,
Electrical data:	996.2 kg/III		
	0000		
Motor type:	90SB		<u> </u>
IE Efficiency class:	IE5	Φ	40 165
Rated power - P2:	1.5 kW		72 82 250
Mains frequency:	50 / 60 Hz		ţ
Rated voltage:	3 x 380-500 V		
Rated current:	3.05-2.50 A	134	
Cos phi - power factor:	0.90-0.83	<del></del> ;	25
Rated speed:	480-5900 rpm		
Efficiency:	89.1%	f	•
Motor efficiency at full load:	89.1 %		·
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	ELEC		
Motor No:	99138037	12 =	
Controls:			
Control panel:	HMI300 - Graphical		
Function Module:	FM300 - Advanced		16 23
Frequency converter:	Built-in		11 (Also 11
Others:	Dullelli		18   2010000000
	0.70		THE PARTY OF THE P
Minimum efficiency index, MEI ≥:	0.70		Zi Lejte Zi oso
Net weight:	26.6 kg		21 Luke 2 2 1 Luke 2 2 2 1 Luke 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Gross weight:	34.1 kg		2 D1
	0.404 3		A GENBUR A
Shipping volume:	0.104 m³		Y GENBURY
Shipping volume: Config. file no:	98484777		T (200mar y 1 (200mar 8 2 (20 C) 11 (34 y
Shipping volume:			T (Stown or T )

Description	Value
Description 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.	Product name	Amount	Product No	Total			
		TPE3 40-240	1	On request	Price on request			