Qty. | Description

1 TPE3 40-80 S-A-F-I-BQQE-CDB



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: Stainless steel

EN 1.4308 ASTM CF8

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

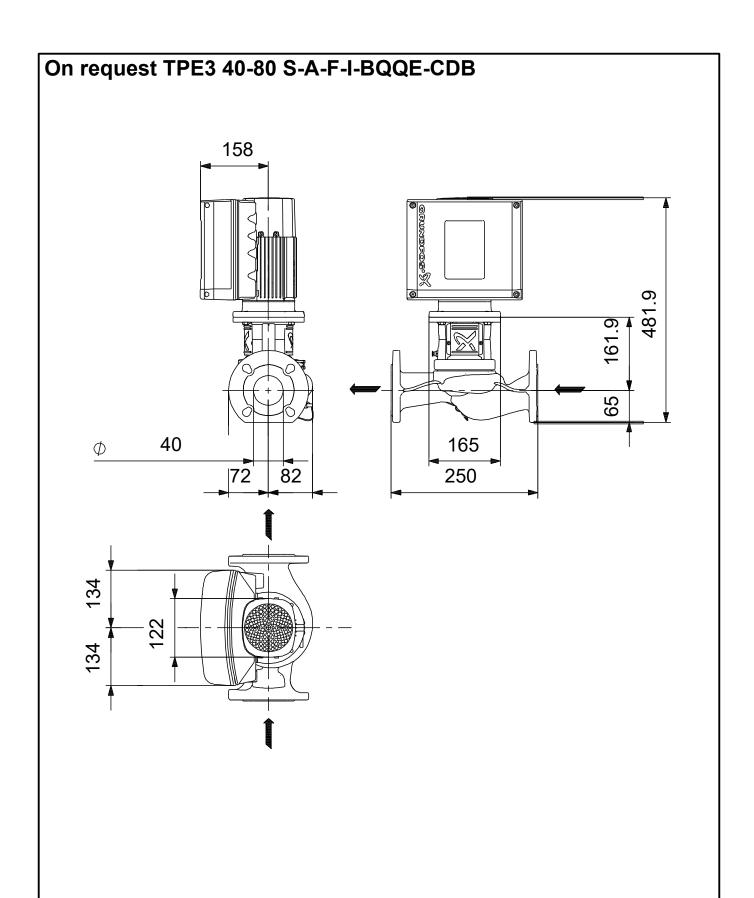
Electrical data:

Motor type: 71A
IE Efficiency class: IE5
Rated power - P2: 0.25 kW
Mains frequency: 50 / 60 Hz
Rated voltage: 3 x 380-500 V

Description Qty. 0.90-0.75 A Rated current: Cos phi - power factor: 0.58-0.50 Rated speed: 360-4000 rpm Efficiency: 81.2% Motor efficiency at full load: 81.2 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 99137997 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 24.7 kg Gross weight: 32.2 kg Shipping volume: 0.104 m³ Danish VVS No.: 382151080 Finnish LVI No.: 4616325 Country of origin: HU Custom tariff no.: 84137051

| Description | Value | H [m] | TPE3 40-80, 3*460 V | eta [%] |
|--|--------------------|--------------|--|-------------|
| General information: | | _ | Pumped liquid = Water Liquid temperature during operation = 20 °C | |
| Product name: | TPE3 40-80 | | Density = 998.2 kg/m³ | |
| | S-A-F-I-BQQE-CDB | 8 - 10 | 00 % | |
| Product No: | On request | | M | |
| EAN number: | On request | 7 | | |
| Technical: | | 90 | .0/ | |
| Pump speed on which pump data are based: | 2970 rpm | 6 - 90 | 70 | |
| Rated flow: | 12.3 m³/h | | 9/ | |
| Rated head: | 5.4 m | 5 - 80 | 90 | 100 |
| Maximum head: | 80 dm | | | |
| Actual impeller diameter: | 74 mm | 4 - 70 | % | - 80 |
| Code for shaft seal: | BQQE | | | |
| | | 3 - 60 | % | - 60 |
| Curve tolerance: | ISO9906:2012 3B2 | | | |
| Pump version: | Α | 2 50/ | | 40 |
| Materials: | | 11/2 | | |
| Pump housing: | Stainless steel | 1 | | 20 |
| Pump housing: | EN 1.4308 | 1 | | [- |
| Pump housing: | ASTM CF8 | 0 | | L_0 |
| Impeller: | Composite | | 2 4 6 8 10 12 14 16 18 Q [m³/h] | - 0 |
| Impeller: | PES+30% GF | P [W] | | NPSH |
| Material code: | <u> </u> | [w] _ | | [m] |
| Installation: | | 300 | P1 (motor+freq.converter) | _ 12 |
| Range of ambient temperature: | -20 50 °C | 300 | | |
| Maximum operating pressure: | 10 bar | 250 - | P2 | - 10 |
| Max pressure at stated temp: | 10 bar / 120 °C | 200 | | -8 |
| | | _ [] | | |
| Type of connection: | DIN DN 40 | 150 | | - 6 |
| Size of connection: | DN 40 | 100 | | - 4 |
| Pressure rating for connection: | PN 6/10 | | | , |
| Port-to-port length: | 250 mm | 50 - | | -2 |
| Flange size for motor: | 56C | 0 | | Lo |
| 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: | <u> </u> | | 6: 150 6: | |
| Motor type: | 71A | | | |
| IE Efficiency class: | IE5 | | 8 | |
| Rated power - P2: | 0.25 kW | φ 40 | 165 | |
| Mains frequency: | 50 / 60 Hz | | 72 82 250 | |
| | | | Ţ | |
| Rated voltage: | 3 x 380-500 V | 4 | | |
| Rated current: | 0.90-0.75 A | 45 4 | | |
| Cos phi - power factor: | 0.58-0.50 | 134 | | |
| Rated speed: | 360-4000 rpm | ₩ | | |
| Efficiency: | 81.2% | | 1 | |
| Motor efficiency at full load: | 81.2 % | | • | |
| Enclosure class (IEC 34-5): | IP55 | | | |
| Insulation class (IEC 85): | F | | | |
| Built-in motor protection: | ELEC | | | |
| Motor No: | 99137997 | | | |
| Controls: | | PE | | |
| Controls: | HMI300 - Graphical | | 12. 10. 10. | |
| Function Module: | FM300 - Advanced | | NC | |
| | | | -3410° 00 | |
| Frequency converter: | Built-in | | 99 99031900 117 99031900 12 00 | |
| Others: | | dev | OND AND AND AND AND AND AND AND AND AND A | |
| Minimum efficiency index, MEI ≥: | 0.70 | | 1 JUN 2 14/Tec 2000 | |
| Net weight: | 24.7 kg | | -28/y ⁰ GAD 32 32 34(74c | |
| Gross weight: | 32.2 kg | -(31 V* | # AN 1 1 1 1 1 1 1 1 1 | |
| Shipping volume: | 0.104 m³ | | A GENERAL A Y GENERAL A | |
| Config. file no: | 98484773 | | B GENERAL B 3 GAV | |
| Danish VVS No.: | 382151080 | | 15 -34V 17 -34V 27 -54V | |
| Finnish LVI No.: | 4616325 | *26 V | 27 GND TX | |
| | | | | |

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