Qty. | Description

TPED 100-90/4 S-A-F-A-BQQE-IDA



Note! Product picture may differ from actual product

Product No.: On request

Single-stage, close-coupled, volute twin-head pump with in-line suction and discharge ports of identical diameter. The twin-head pump is designed with two parallel power-heads.

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.

Each power head is fitted with an unbalanced rubber bellows seal.

The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).

Each power head is fitted with a fan-cooled, permanent-magnet synchronous motor of identical size. 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 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: 1445 rpm

Rated flow: 68.5 m³/h
Rated head: 7.1 m
Actual impeller diameter: 168 mm
Code for shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B2

Materials:

Pump housing: Cast iron

EN-GJL-250

ASTM class 35

Impeller: Cast iron

EN-GJL-200 ASTM class 30

Installation:

Range of ambient temperature: -20 .. 50 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 120 °C

Type of connection: DIN
Size of connection: DN 100
Pressure rating for connection: PN 16
Port-to-port length: 550 mm
Flange size for motor: FF215

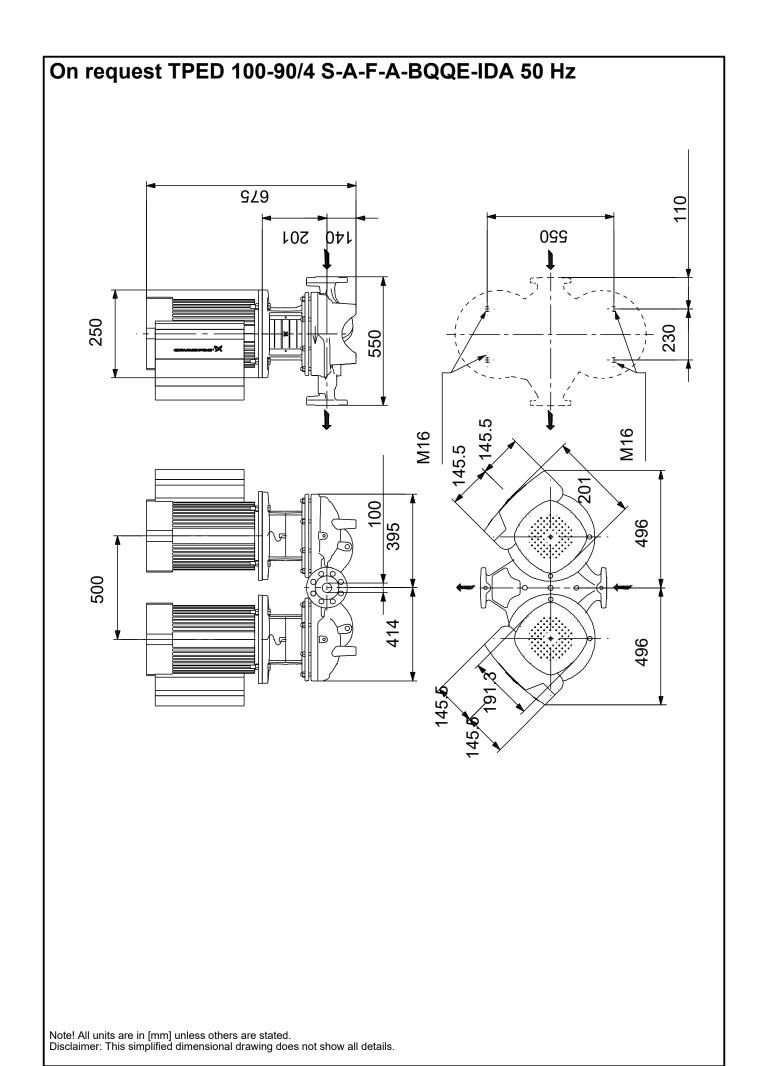
Electrical data:

Motor type: 100LB IE Efficiency class: IE5

Qty. Description Rated power - P2: 2.2 kW 50 Hz Mains frequency: 3 x 380-500 V Rated voltage: Rated current: 4.30-3.60 A Cos phi - power factor: 0.90-0.82 Rated speed: 180-2200 rpm Efficiency: 89.1% Motor efficiency at full load: 89.1 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971264 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 198 kg 229 kg Gross weight: Shipping volume: 1.14 m³ Country of origin: HU Custom tariff no.: 84137065

| Description | Value | H [m] | TPED 100-90/4, 3*400 V | eta [%] |
|-----------------------------------|---------------------|---------------------|---|------------|
| General information: | | | Pumped liquid = Water Liquid temperature during operation = 20 °C | |
| Product name: | TPED 100-90/4 | 11 | Density = 998.2 kg/m ³ | |
| rioddot ffamo. | S-A-F-A-BQQE-IDA | ''- | 110 70 | |
| Product No: | On request | 10 | | |
| EAN number: | On request | | 100.00 | |
| Technical: | | 9- | 100 % | |
| Pump speed on which pump data are | 1.1.1E rp.m | 8 | | |
| based: | 1445 rpm | 01 | 90 % | |
| Rated flow: | 68.5 m³/h | 7 | 30 70 | |
| | | | | |
| Rated head: | 7.1 m | 6 - | 80 % | |
| Maximum head: | 90 dm | | | 100 |
| Actual impeller diameter: | 168 mm | 5 | 70 % | 100 |
| Code for shaft seal: | BQQE | 4 | | 80 |
| Curve tolerance: | ISO9906:2012 3B2 | | 060% | 00 |
| Pump version: | Α | 3 - | | 60 |
| Materials: | | — <u> </u> | | |
| Pump housing: | Cast iron | 2- | | 40 |
| | EN-GJL-250 | , // / | | 20 |
| Pump housing: | | 1 | 5% | 20 |
| Pump housing: | ASTM class 35 | 0 | | 0 |
| Impeller: | Cast iron | 0 | 20 40 60 80 100 Q [m³/h] | - |
| Impeller: | EN-GJL-200 | P [kW] | | NPSH |
| Impeller: | ASTM class 30 | | P1 (motor+freq.converter) | [m] 25 |
| Material code: | Α | 2.5 | | 20 |
| Installation: | | 2.0 | P2 | 20 |
| | -20 50 °C | 2.0 | | 20 |
| Range of ambient temperature: | | 1.5 | | 15 |
| Maximum operating pressure: | 16 bar | 1.5 | | 15 |
| Max pressure at stated temp: | 16 bar / 120 °C | 1.0 | | 10 |
| Type of connection: | DIN | 1.0 | | 10 |
| Size of connection: | DN 100 | 0.5 | | 5 |
| Pressure rating for connection: | PN 16 | 0.5 | | 3 |
| Port-to-port length: | 550 mm | 0.0 | | 0 |
| Flange size for motor: | FF215 | | | |
| = | | Tr | | |
| Connect code: | F | | 500 | |
| Liquid: | | | | |
| Pumped liquid: | Water | | utturani 'annatturani III | |
| Liquid temperature range: | -25 120 °C | | | |
| Selected liquid temperature: | 20 °C | | | |
| Density: | 998.2 kg/m³ | | | |
| Electrical data: | | | | |
| Motor type: | 100LB | | 100 550 | |
| IE Efficiency class: | IE5 | | 414 395 | |
| | | 145 | M16 | |
| Rated power - P2: | 2.2 kW | 145.5 | 145.5 | |
| Mains frequency: | 50 Hz | 191/3 | 145.5 | |
| Rated voltage: | 3 x 380-500 V | — \\\\\/_! | | |
| Rated current: | 4.30-3.60 A | | | |
| Cos phi - power factor: | 0.90-0.82 | | () | |
| Rated speed: | 180-2200 rpm | 49 | 96 496 M16 | |
| Efficiency: | 89.1% | H- | 230 110 | |
| Motor efficiency at full load: | | | | |
| - | 89.1 % | | | |
| Number of poles: | 4 | | | |
| Enclosure class (IEC 34-5): | IP55 | 12 | | |
| Insulation class (IEC 85): | F | | | |
| Built-in motor protection: | ELEC | | Ø⊕ ™ | |
| Motor No: | 98971264 | | | |
| Controls: | | | 100 mg | |
| Control panel: | HMI300 - Advanced | | 1 MO | |
| | | | 77 Proseded (1997) | |
| Function Module: | FM300 - Advanced | 2017 | I GNO III AG | |
| Frequency converter: | Built-in | | 77 Luffer 70 GMD | |
| Others: | | | -3817° CC (SAD 0) 13 D00001 | |
| Minimum efficiency index, MEI ≥: | 0.70 | site V° | 3 AV 3 DO 3 AV 5 DV | |
| Net weight: | 198 kg | | d GNOsa A | |
| Gross weight: | 229 kg | | Y J GENBUR Y GENBUR B 3 GNO | |
| | 1.14 m ³ | | 15 -24 V | |
| Shinning volume: | | | 28 -5V | |
| Shipping volume: Config. file no: | 99139279 | T. | 77 GNO 34 Y 34 Y 35 GDS TX | |

| Description | Value | |
|--------------------------------|--------------------|--|
| Description Country of origin: | Value HU | |
| Custom tariff no.: | 84137065 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



| Order Data: | | | | | | | |
|-------------|-----------|---------------|--------|------------|------------------|--|--|
| Position | Your pos. | Product name | Amount | Product No | Total | | |
| | | TPED 100-90/4 | 1 | On request | Price or request | | |
| | | | | | request | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |