## Qty. | Description

## 1 TPED 100-200/4 A-F-A-BQQE-MDA



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.

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: 1455 rpm

Rated flow: 92 m³/h
Rated head: 16.7 m
Actual impeller diameter: 240 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:

Size of connection:

Pressure rating for connection:

Port-to-port length:

Flange size for motor:

DIN

DN 100

PN 16

670 mm

Flange size for motor:

FF265

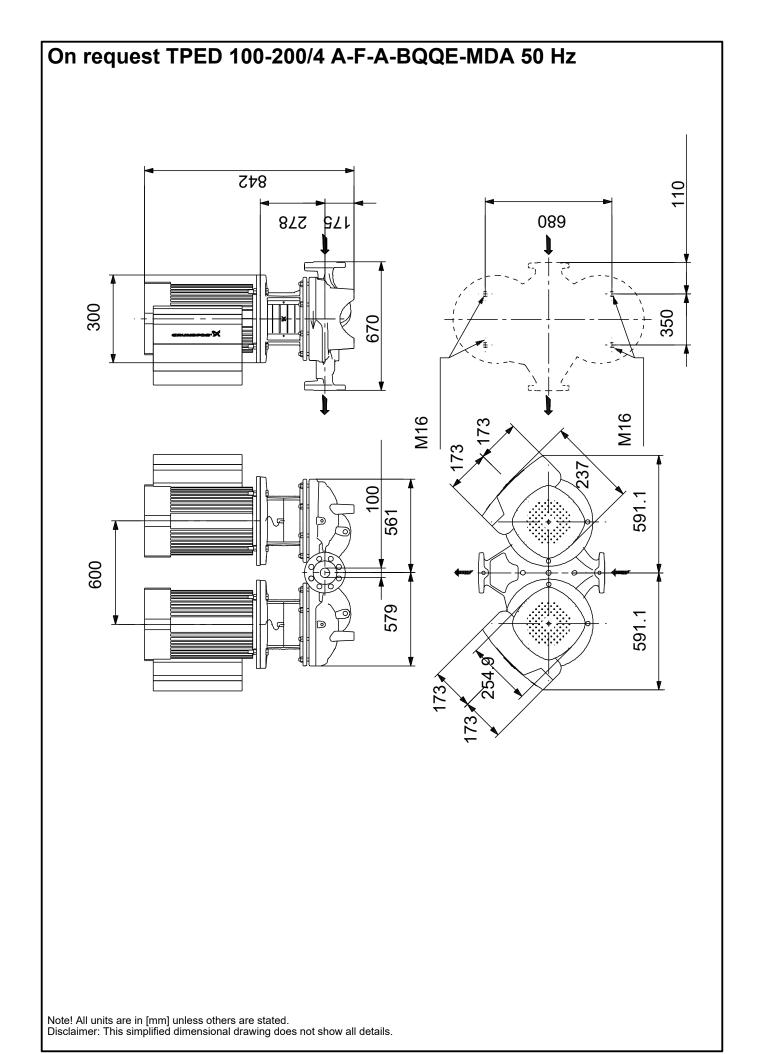
Electrical data:

Motor type: 132MH
IE Efficiency class: IE5
Rated power - P2: 7.5 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-500 V

## Description Qty. 14.1-11.1 A Rated current: Cos phi - power factor: 0.93-0.89 Rated speed: 180-2200 rpm Efficiency: 92.2% Motor efficiency at full load: 92.2 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971185 Others: Minimum efficiency index, MEI ≥: 0.45 Net weight: 423 kg Gross weight: 532 kg Shipping volume: 1.53 m<sup>3</sup> Country of origin: HU Custom tariff no.: 84137065

| Description                              | Value              | H [m]      | TPED 100-200/4, 3*400 V  | eta<br>[%]   |
|--|--------------------|------------|--|--------------|
| General information:                     | Value              |            | Pumped liquid = Water  | [,0]         |
|  | TPED 100-200/4     | 24         | Liquid temperature during operation = 20 °C  Density = 998.2 kg/m³   |              |
| Product name:                            | A-F-A-BQQE-MDA     |            | 110 %  |              |
| Product No:                              | On request         | 22 -       |  |              |
| EAN number:                              | On request         | 20         |  | _ 100        |
| Technical:                               |                    | 40         | 100 %  | 00           |
| Pump speed on which pump data are based: | 1455 rpm           | 18 -       | 90 %   | - 90<br>- 80 |
| Rated flow:                              | 92 m³/h            | _ "        | 90 %   |              |
| Rated head:                              | 16.7 m             | 14         |  | <b>-</b> 70  |
| Maximum head:                            | 200 dm             | 12         | 80%  | - 60         |
| Actual impeller diameter:                | 240 mm             | /          |  |              |
| Code for shaft seal:                     | BQQE               | 10 -       |  | <b>-</b> 50  |
| Curve tolerance:                         | ISO9906:2012 3B2   | 8   /      |  | <b>-</b> 40  |
| Pump version:                            | A                  |            | 60 %   |              |
| Materials:                               |                    | 6 +   / // | 50 %   | - 30         |
|  | Cast iron          | 4 4        | 40 %   | <b>-</b> 20  |
| Pump housing:                            |                    |            | 40 %   |              |
| Pump housing:                            | EN-GJL-250         | 2 -        | 265%   | <b>-</b> 10  |
| Pump housing:                            | ASTM class 35      | 0          |  | -0           |
| Impeller:                                | Cast iron          |            | 20 40 60 80 100 120 Q [m³/h]   | NDC:         |
| Impeller:                                | EN-GJL-200         | P<br>[kW]  |  | NPSH<br>[m]  |
| Impeller:                                | ASTM class 30      | 8          | P1 (motor+freq.converter)  | _20          |
| Material code:                           | Α                  |            | P9º  | -20          |
| Installation:                            |                    |            |  | 4.5          |
| Range of ambient temperature:            | -20 50 °C          | 6 -        |  | <b>-</b> 15  |
| Maximum operating pressure:              | 16 bar             |            |  |              |
| Max pressure at stated temp:             | 16 bar / 120 °C    | 4          |  | <b>-</b> 10  |
| Type of connection:                      | DIN                |            |  |              |
| Size of connection:                      | DN 100             | 2          |  | - 5          |
| Pressure rating for connection:          | PN 16              |            |  |              |
| Port-to-port length:                     | 670 mm             | 0          |  | _0           |
| Flange size for motor:                   | FF265              |            |  |              |
| Connect code:                            | F                  | <b>_</b> _ | 600 300  |              |
| Liquid:                                  |                    |            |  |              |
| Pumped liquid:                           | Water              |            |  |              |
| Liquid temperature range:                | -25 120 °C         |            |  |              |
| Selected liquid temperature:             | 20 °C              |            | ######################################   |              |
| Density:                                 | 998.2 kg/m³        |            |  |              |
| Electrical data:                         | <b>3</b> .         |            |  |              |
| Motor type:                              | 132MH              |            | 100 670  |              |
| IE Efficiency class:                     | IE5                |            | 579 561  |              |
| Rated power - P2:                        | 7.5 kW             | 173        | M16  |              |
| Mains frequency:                         | 50 Hz              | 173        | 773  |              |
| Rated voltage:                           | 3 x 380-500 V      |            |  |              |
| Rated current:                           | 14.1-11.1 A        | — <i>Y</i> |  |              |
| Cos phi - power factor:                  | 0.93-0.89          |            | 237  |              |
| Rated speed:                             | 180-2200 rpm       | 5          | 91.1 591.1 M16   |              |
| Efficiency:                              | 92.2%              |            | 350 110  |              |
| Motor efficiency at full load:           | 92.2 %             |            |  |              |
| Number of poles:                         | 92.2 %             |            |  |              |
|  | 4<br>IP55          |            |  |              |
| Enclosure class (IEC 34-5):              |                    |            |  |              |
| Insulation class (IEC 85):               | F                  | PE         | <u> </u>   |              |
| Built-in motor protection:               | ELEC               |            | NC CT  |              |
| Motor No:                                | 98971185           |            |  |              |
| Controls:                                | LIMIOOO Otamalaani |            | 10 No  |              |
| Control panel:                           | HMI200 - Standard  |            | 19 P0001000<br>77 P0001000<br>10 AO  |              |
| Function Module:                         | FM300 - Advanced   | 1981       | # 0 000 000 000 000 000 000 000 000 000  |              |
| Frequency converter:                     | Built-in           |            | 31 Lujinc<br>32 GNO  |              |
| Others:                                  |                    |            | 22 Lujinc 18 Danoci 18 Dan |              |
| Minimum efficiency index, MEI ≥:         | 0.45               | 417        | 2-34/7-4   |              |
| Net weight:                              | 423 kg             |            | A GENDAN A  V GENDAN V  GENDAN V   |              |
| Gross weight:                            | 532 kg             |            | 3 (SAD) 13 -24 V   |              |
| Shipping volume:                         | 1.53 m³            |            | 1 -34V<br>13 -5V<br>27 000   |              |
| · · · · -                                |                    |            |  |              |
| Config. file no:                         | 99100733           | 434.77     | 2017 0 0 -04/1/5/17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  |              |

| Description                    | Volue              |  |  |
|--------------------------------|--------------------|--|--|
| Description Country of origin: | <b>Value</b><br>HU |  |  |
| Custom tariff no.:             | 84137065           |  |  |
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|          | Order Data: |                |        |   |                  |  |  |  |
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| Position | Your pos.   | Product name   | Amount | Product No                                    | Total            |  |  |  |
|          |             | TPED 100-200/4 | 1      | On request                                    | Price on request |  |  |  |
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