

## Qty. Description

1 TP 100-200/4 A-F-A-BAQE-MW3



Note! Product picture may differ from actual product

Product No.: [96109289](#)

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 pump 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).

The pump is fitted with a fan-cooled asynchronous motor.

### Controls:

Frequency converter: NONE

### Liquid:

Pumped liquid: Water

Liquid temperature range: 0 .. 120 °C

Selected liquid temperature: 20 °C

Density: 998.2 kg/m<sup>3</sup>

### Technical:

Pump speed on which pump data are based: 1455 rpm

Actual calculated flow: 120.3 m<sup>3</sup>/h

Resulting head of the pump: 16.33 m

Actual impeller diameter: 240 mm

Code for shaft seal: BAQE

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 .. 55 °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: 670 mm

Flange size for motor: FF265

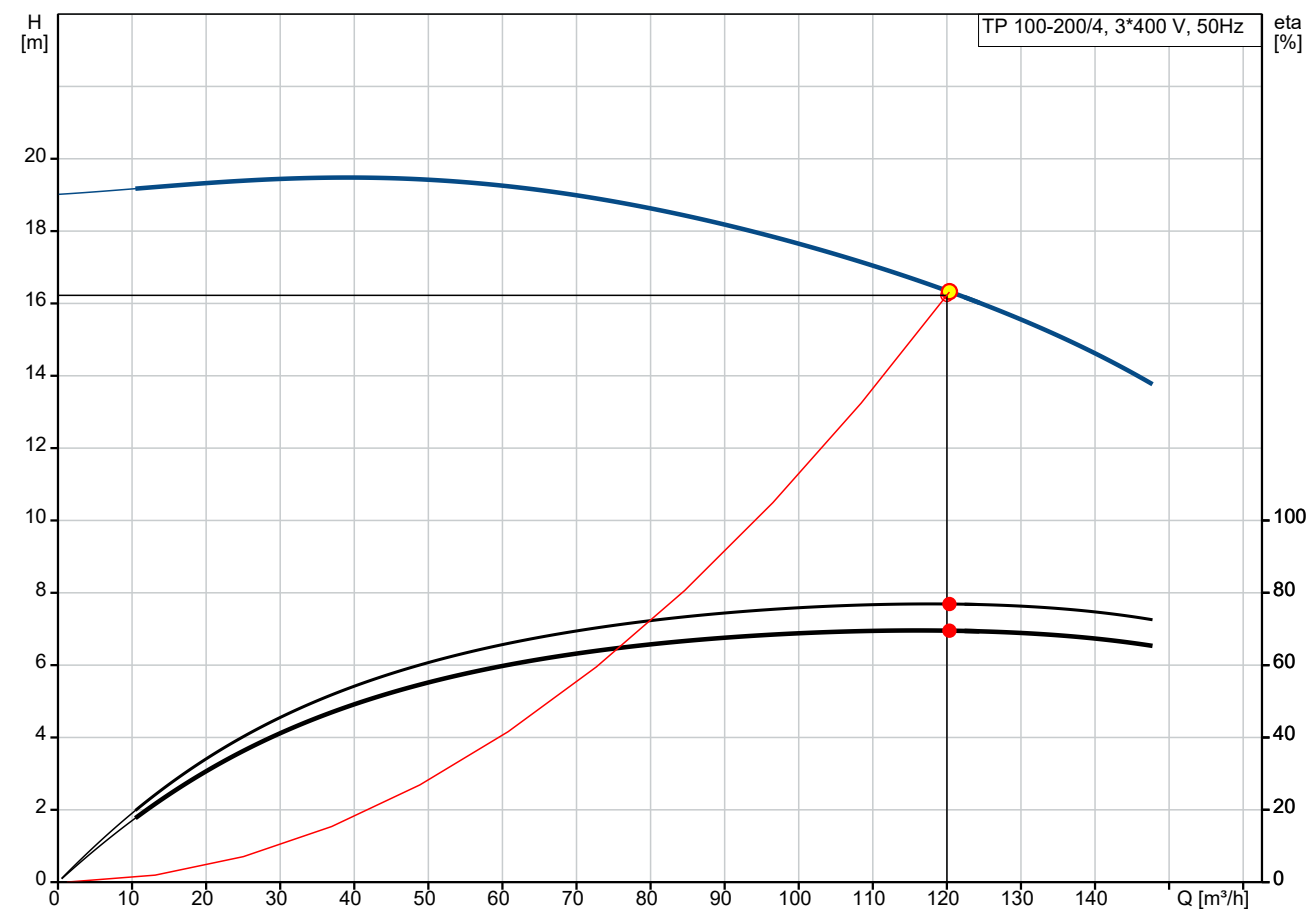
### Electrical data:

Motor type: SIEMENS

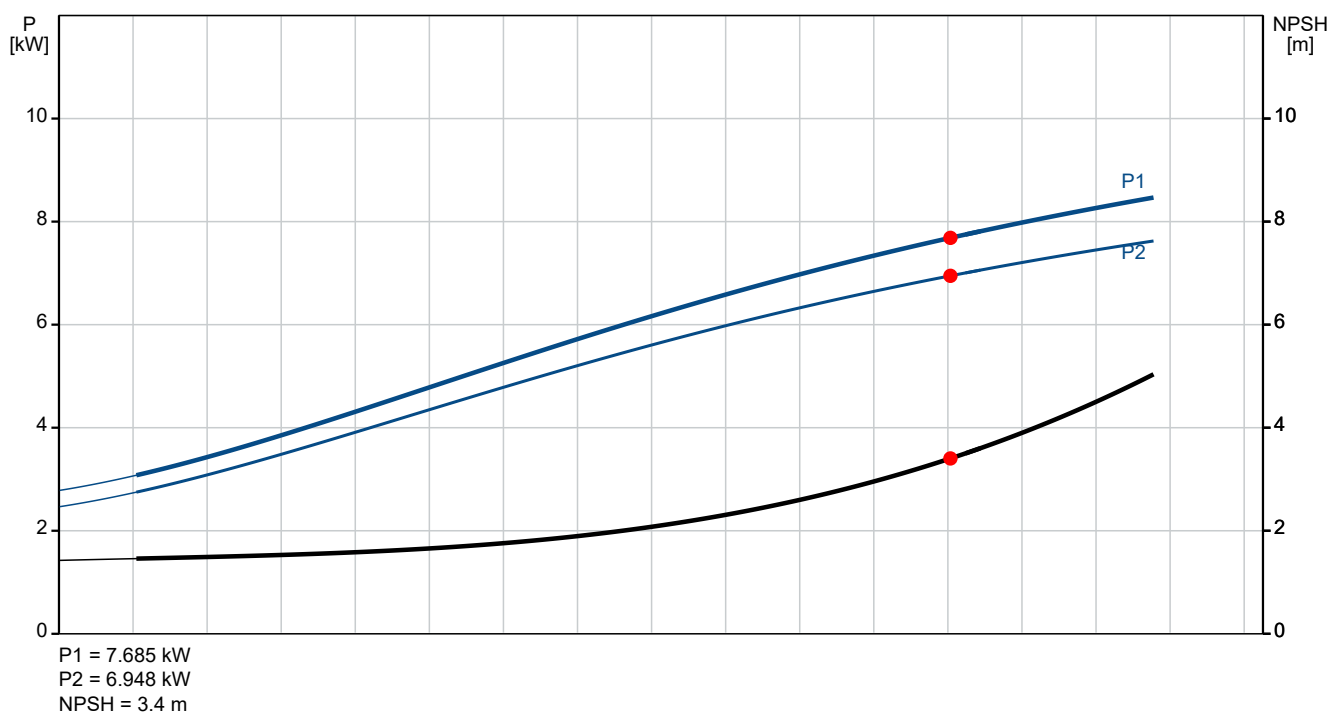
| Qty. | Description |
|------|-------------|
|------|-------------|

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 7.5 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-420D/660-725Y V</p> <p>Rated current: 14.3/8.3 A</p> <p>Starting current: 820-820 %</p> <p>Cos phi - power factor: 0.84</p> <p>Rated speed: 1465 rpm</p> <p>Efficiency: IE3 90,4%</p> <p>Motor efficiency at full load: 90.4-90.4 %</p> <p>Motor efficiency at 3/4 load: 91.1-91.1 %</p> <p>Motor efficiency at 1/2 load: 90.8-90.8 %</p> <p>Number of poles: 4</p> <p>Enclosure class (IEC 34-5): IP55</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 83V15222</p> <p>Others:</p> <p>Minimum efficiency index, MEI ≥: 0.45</p> <p>Net weight: 210 kg</p> <p>Gross weight: 246 kg</p> <p>Shipping volume: 0.743 m<sup>3</sup></p> <p>Danish VVS No.: 382765202</p> |
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## 96109289 TP 100-200/4 A-F-A-BAQE-MW3 50 Hz

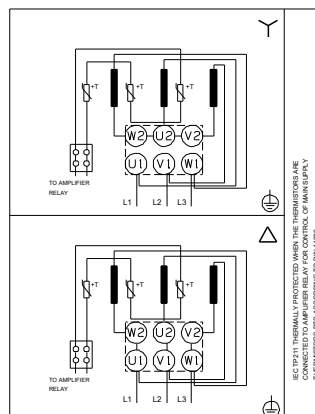
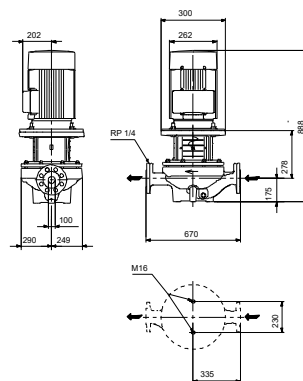
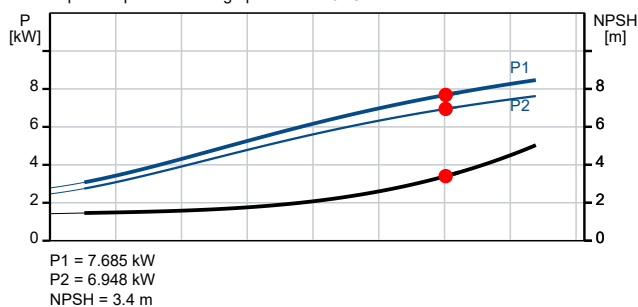
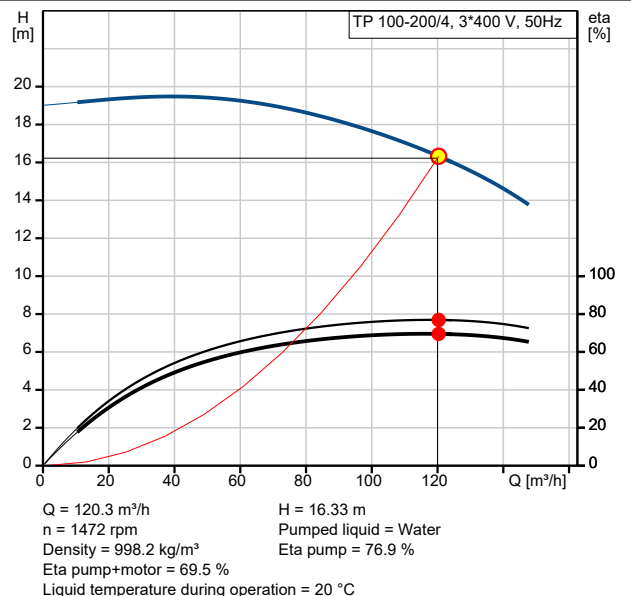


Q = 120.3 m³/h  
 n = 1472 rpm  
 Liquid temperature during operation = 20 °C  
 Eta pump = 76.9 %  
 H = 16.33 m  
 Pumped liquid = Water  
 Density = 998.2 kg/m³  
 Eta pump+motor = 69.5 %



P1 = 7.685 kW  
 P2 = 6.948 kW  
 NPSH = 3.4 m

| Description                              | Value                          |
|------------------------------------------|--------------------------------|
| <b>General information:</b>              |                                |
| Product name:                            | TP 100-200/4<br>A-F-A-BAQE-MW3 |
| Product No:                              | 96109289                       |
| EAN number:                              | 5700396982663                  |
| Price:                                   |                                |
| <b>Technical:</b>                        |                                |
| Pump speed on which pump data are based: | 1455 rpm                       |
| Actual calculated flow:                  | 120.3 m³/h                     |
| Resulting head of the pump:              | 16.33 m                        |
| Maximum head:                            | 200 dm                         |
| Actual impeller diameter:                | 240 mm                         |
| Code for shaft seal:                     | BAQE                           |
| Curve tolerance:                         | ISO9906:2012 3B2               |
| Pump version:                            | A                              |
| <b>Materials:</b>                        |                                |
| Pump housing:                            | Cast iron                      |
| Pump housing:                            | EN-GJL-250                     |
| Pump housing:                            | ASTM class 35                  |
| Impeller:                                | Cast iron                      |
| Impeller:                                | EN-GJL-200                     |
| Impeller:                                | ASTM class 30                  |
| Material code:                           | A                              |
| <b>Installation:</b>                     |                                |
| Range of ambient temperature:            | -20 .. 55 °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:                     | 670 mm                         |
| Flange size for motor:                   | FF265                          |
| Connect code:                            | F                              |
| <b>Liquid:</b>                           |                                |
| Pumped liquid:                           | Water                          |
| Liquid temperature range:                | 0 .. 120 °C                    |
| Selected liquid temperature:             | 20 °C                          |
| Density:                                 | 998.2 kg/m³                    |
| <b>Electrical data:</b>                  |                                |
| Motor type:                              | SIEMENS                        |
| IE Efficiency class:                     | IE3                            |
| Rated power - P2:                        | 7.5 kW                         |
| Mains frequency:                         | 50 Hz                          |
| Rated voltage:                           | 3 x 380-420D/660-725Y V        |
| Rated current:                           | 14.3/8.3 A                     |
| Starting current:                        | 820-820 %                      |
| Cos phi - power factor:                  | 0.84                           |
| Rated speed:                             | 1465 rpm                       |
| Efficiency:                              | IE3 90,4 %                     |
| Motor efficiency at full load:           | 90.4-90.4 %                    |
| Motor efficiency at 3/4 load:            | 91.1-91.1 %                    |
| Motor efficiency at 1/2 load:            | 90.8-90.8 %                    |
| Number of poles:                         | 4                              |
| Enclosure class (IEC 34-5):              | IP55                           |
| Insulation class (IEC 85):               | F                              |
| Built-in motor protection:               | PTC                            |
| Motor No:                                | 83V15222                       |
| <b>Controls:</b>                         |                                |





Company name:

Created by:

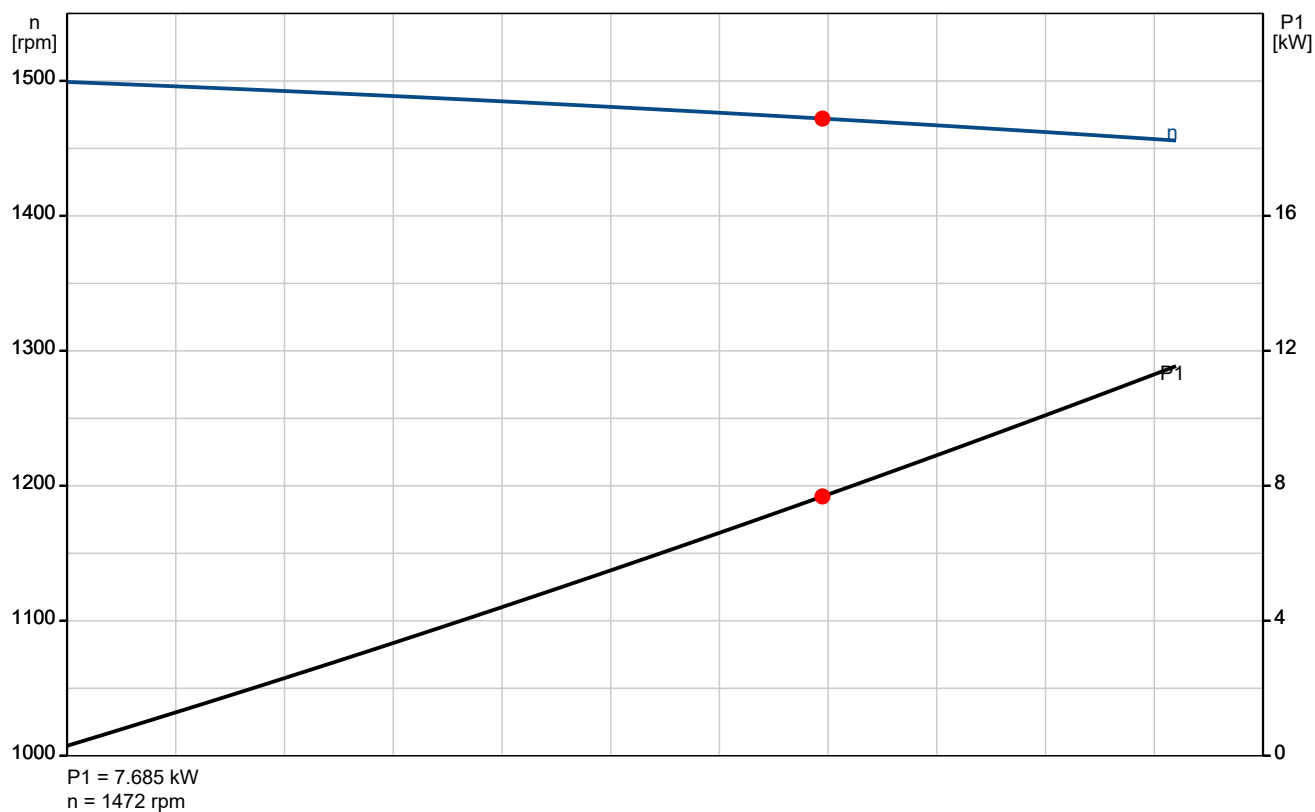
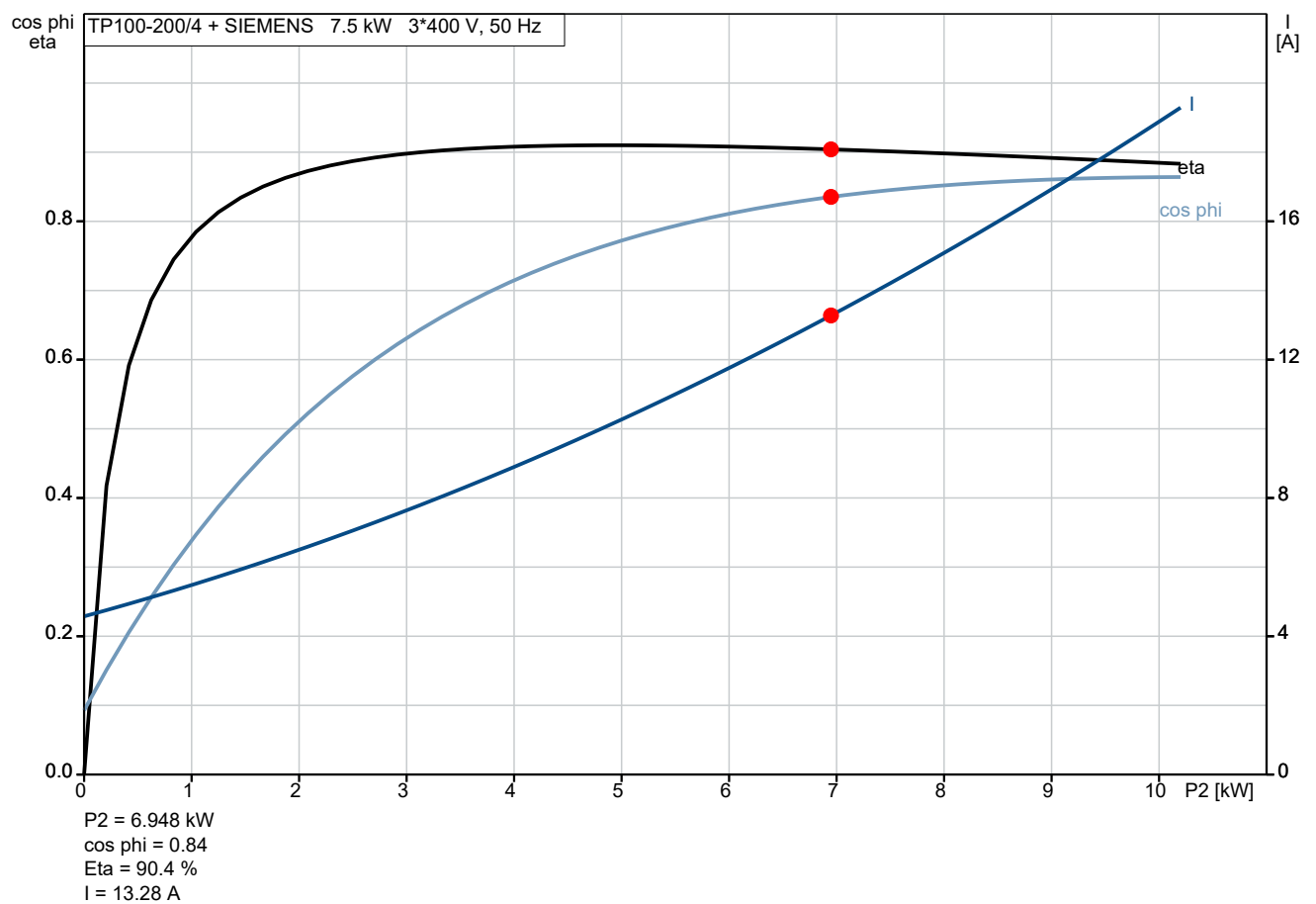
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Date:

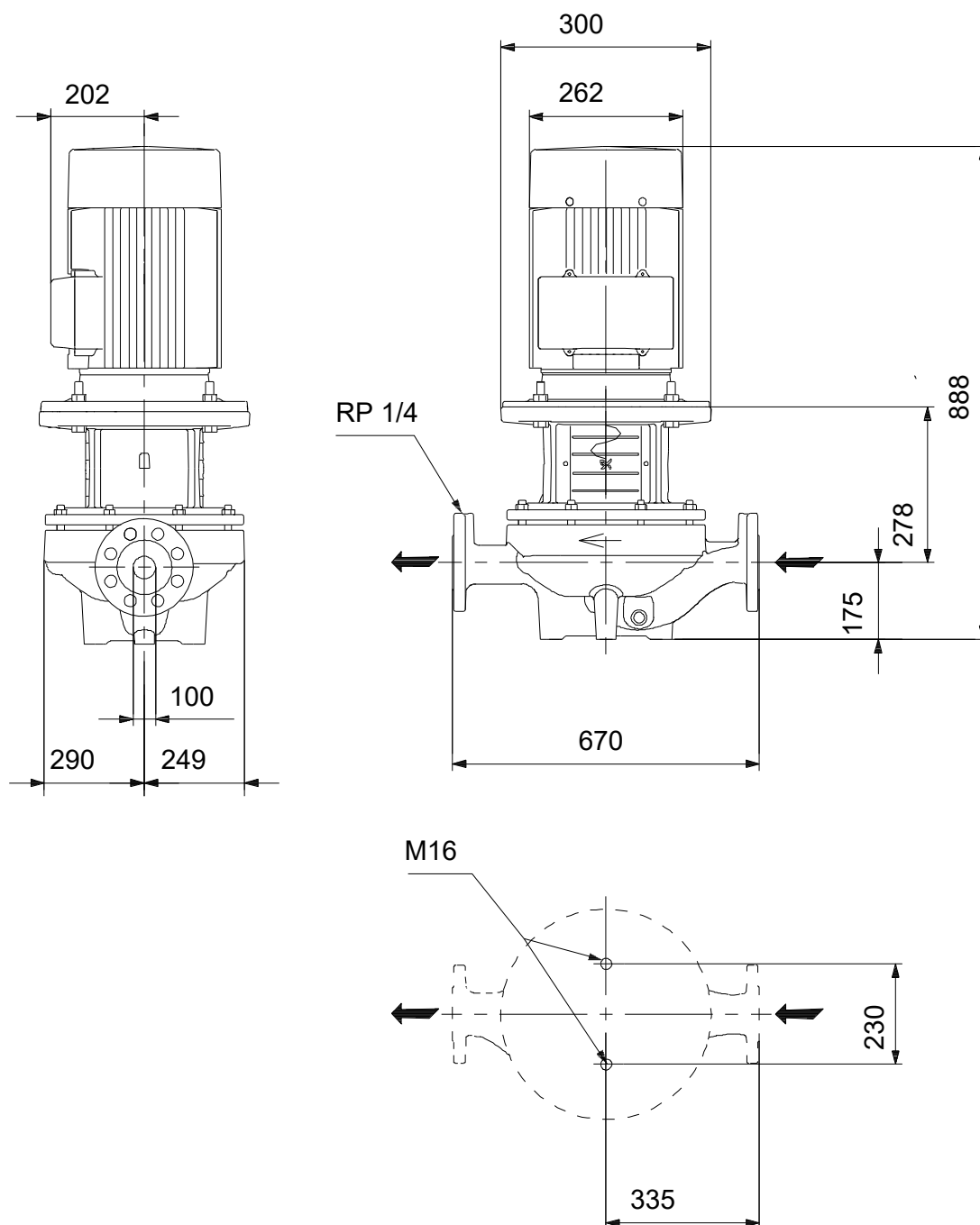
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| Description                      | Value                |
|----------------------------------|----------------------|
| Frequency converter:             | NONE                 |
| <b>Others:</b>                   |                      |
| Minimum efficiency index, MEI ≥: | 0.45                 |
| Net weight:                      | 210 kg               |
| Gross weight:                    | 246 kg               |
| Shipping volume:                 | 0.743 m <sup>3</sup> |
| Danish VVS No.:                  | 382765202            |

## 96109289 TP 100-200/4 A-F-A-BAQE-MW3 50 Hz

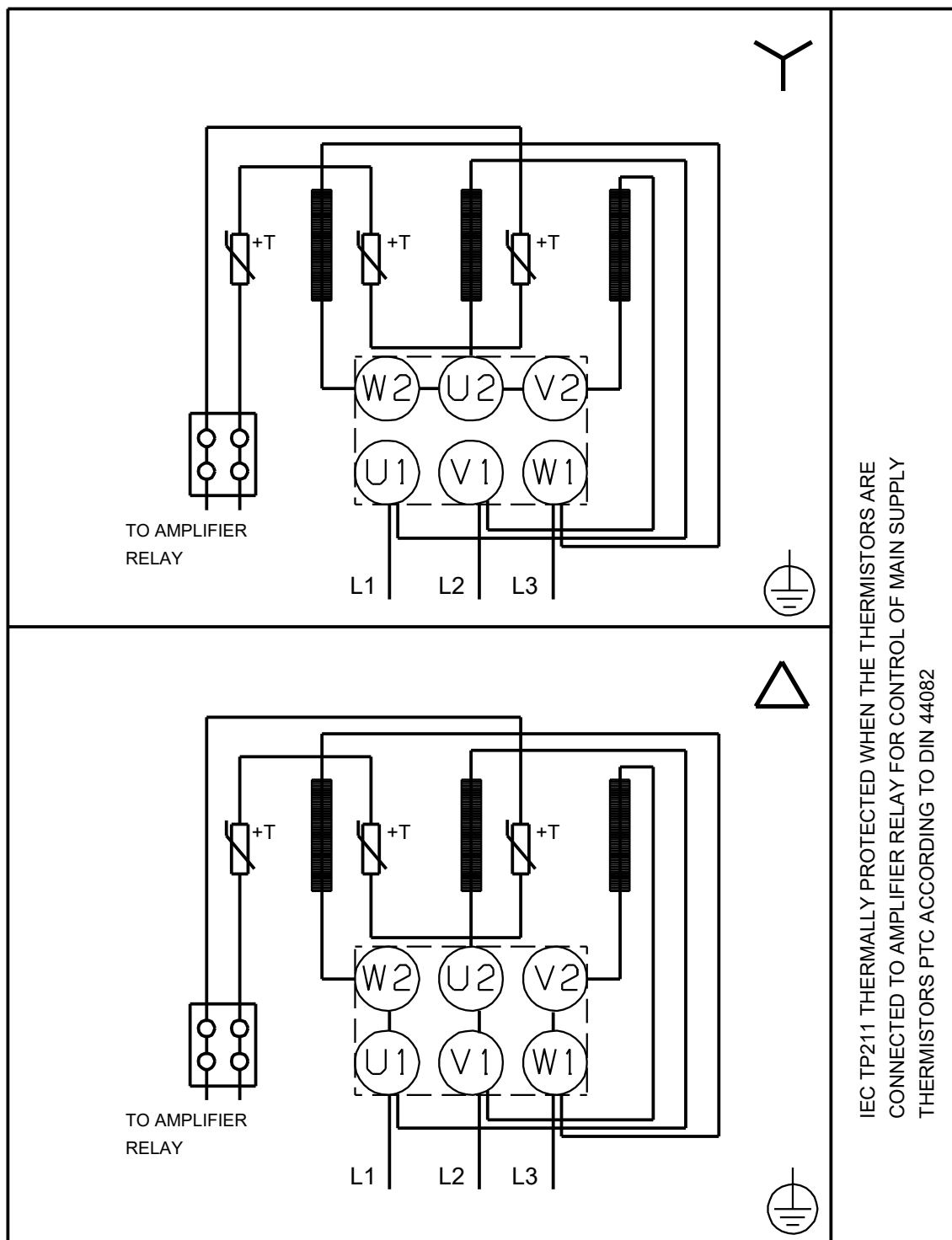


## 96109289 TP 100-200/4 A-F-A-BAQE-MW3 50 Hz



Note! All units are in [mm] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

## 96109289 TP 100-200/4 A-F-A-BAQE-MW3 50 Hz



IEC TP211 THERMALLY PROTECTED WHEN THE THERMISTORS ARE  
CONNECTED TO AMPLIFIER RELAY FOR CONTROL OF MAIN SUPPLY  
THERMISTORS PTC ACCORDING TO DIN 44082

Note! All units are in [mm] unless others are stated.