

**Qty. Description**

1 MTR 20-14/14 A-W-A-HUUV



Product No.: [98513671](#)

Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump head and base are in cast iron – all other wetted parts are in stainless steel.

The pump has the following characteristics:

- Installation length according to DIN 5440.
- Impellers, intermediate chambers and spline shaft are made of Stainless steel.
- Mechanical shaft seal according to EN 12756.
- Power transmission via cast-iron split coupling.

A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

**Controls:**

Frequency converter: NONE

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: -10 .. 90 °C  
 Selected liquid temperature: 20 °C  
 Density at selected liquid temperature: 998.2 kg/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 2923 rpm  
 Rated flow: 21 m<sup>3</sup>/h  
 Rated head: 165.4 m  
 Chambers: 14  
 Drainage back to tank: N  
 Pump orientation: Vertical  
 Code for shaft seal: HUUV  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

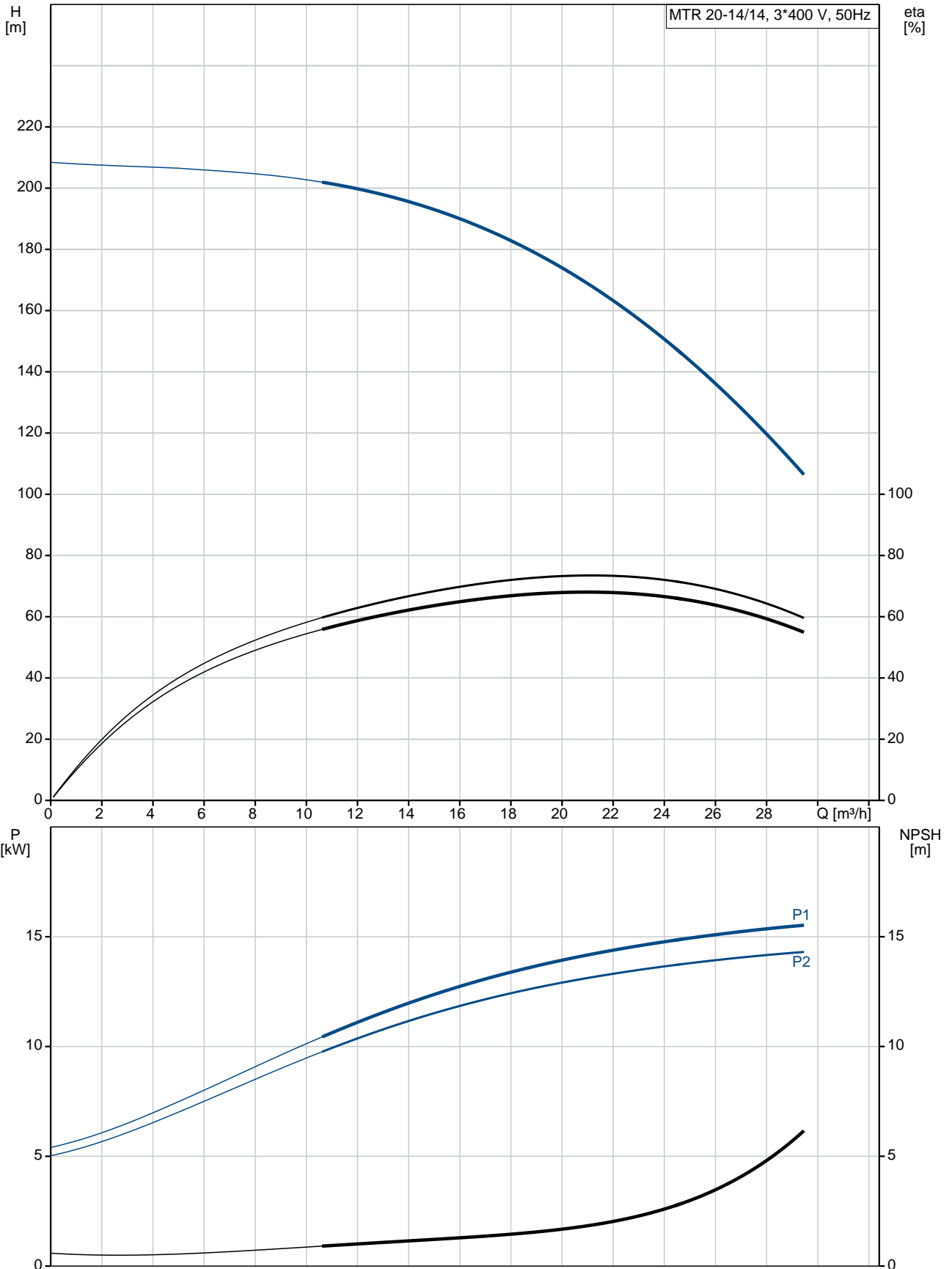
Pump head: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304

**Installation:**

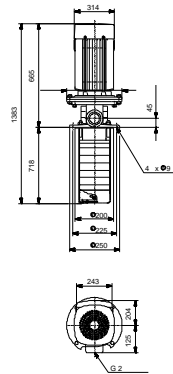
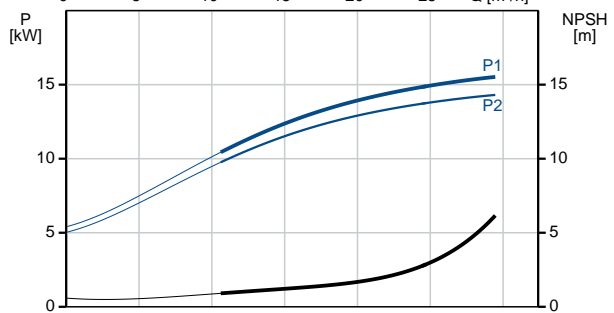
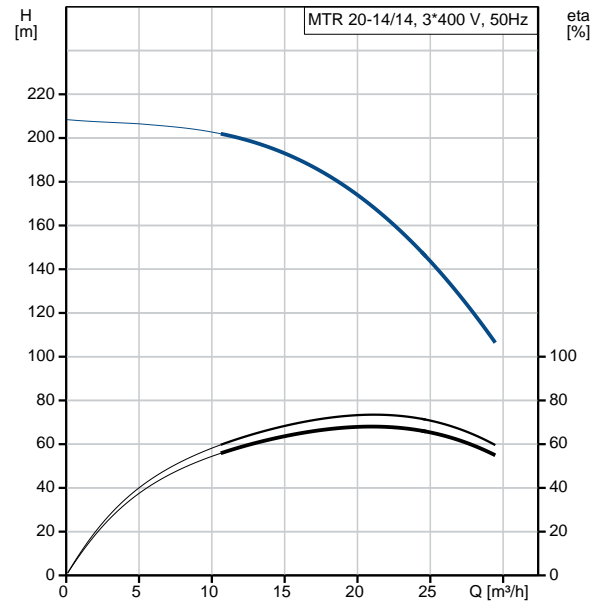
Maximum ambient temperature: 60 °C  
 Maximum operating pressure: 25 bar  
 Max pressure at stated temp: 25 bar / 90 °C  
 Type of connection: G  
 Size of outlet connection: 2 inch

| Qty. | Description   |
|------|---|
|      | Immersion depth: 718 mm<br>Flange size for motor: FF300<br><br><b>Electrical data:</b><br>Motor standard: IEC<br>Motor type: 160MD<br>IE Efficiency class: IE3<br>Rated power - P2: 15 kW<br>Mains frequency: 50 Hz<br>Rated voltage: 3 x 380-415D/660-690Y V<br>Rated current: 28,0-26,0/16,2-15,6 A<br>Starting current: 660-780 %<br>Cos phi - power factor: 0.89-0.87<br>Rated speed: 2930-2950 rpm<br>Efficiency: IE3 91,9%<br>Motor efficiency at full load: 91.9-91.9 %<br>Motor efficiency at 3/4 load: 92.4 %<br>Motor efficiency at 1/2 load: 92.4 %<br>Number of poles: 2<br>Enclosure class (IEC 34-5): 55 Dust/Jetting<br>Insulation class (IEC 85): F<br>Motor No: 85U17526<br><br><b>Others:</b><br>Terminal box position: 6<br>Minimum efficiency index, MEI : 0.70<br>Net weight: 125 kg<br>Gross weight: 151 kg<br>Shipping volume: 0.34 m <sup>3</sup><br>Country of origin: HU<br>Custom tariff no.: 84137075 |

## 98513671 MTR 20-14/14 A-W-A-HUUV 50 Hz



| Description                              | Value   |
|--|---|
| <b>General information:</b>              |   |
| Product name:                            | MTR 20-14/14<br>A-W-A-HUUV                      |
| Product No:                              | 98513671  |
| EAN number:                              | 5711496393327<br>5711496393327                  |
| Price:                                   | 5.994,00 GBP                                    |
| <b>Technical:</b>                        |   |
| Pump speed on which pump data are based: | 2923 rpm  |
| Rated flow:                              | 21 m <sup>3</sup> /h                            |
| Rated head:                              | 165.4 m   |
| Chambers:                                | 14  |
| Impellers:                               | 14  |
| Number of reduced-diameter impellers:    | 0   |
| Drainage back to tank:                   | N   |
| Pump orientation:                        | Vertical  |
| Code for shaft seal:                     | HUUV  |
| Curve tolerance:                         | ISO9906:2012 3B                                 |
| Pump version:                            | A   |
| Model:                                   | A   |
| <b>Materials:</b>                        |   |
| Pump head:                               | Cast iron<br>EN 1561 EN-GJL-200<br>ASTM A48-25B |
| Impeller:                                | Stainless steel<br>EN 1.4301<br>AISI 304        |
| Material code:                           | A   |
| <b>Installation:</b>                     |   |
| Maximum ambient temperature:             | 60 °C   |
| Maximum operating pressure:              | 25 bar  |
| Max pressure at stated temp:             | 25 bar / 90 °C                                  |
| Type of connection:                      | G   |
| Size of outlet connection:               | 2 inch  |
| Immersion depth:                         | 718 mm  |
| Flange size for motor:                   | FF300   |
| Connect code:                            | W   |
| <b>Liquid:</b>                           |   |
| Pumped liquid:                           | Water   |
| Liquid temperature range:                | -10 .. 90 °C                                    |
| Selected liquid temperature:             | 20 °C   |
| Density at selected liquid temperature:  | 998.2 kg/m <sup>3</sup>                         |
| <b>Electrical data:</b>                  |   |
| Motor standard:                          | IEC   |
| Motor type:                              | 160MD   |
| IE Efficiency class:                     | IE3   |
| Rated power - P2:                        | 15 kW   |
| Mains frequency:                         | 50 Hz   |
| Rated voltage:                           | 3 x 380-415D/660-690V                           |
| Rated current:                           | 28,0-26,0/16,2-15,6 A                           |
| Starting current:                        | 660-780 %                                       |
| Cos phi - power factor:                  | 0.89-0.87                                       |
| Rated speed:                             | 2930-2950 rpm                                   |
| Efficiency:                              | IE3 91,9%                                       |
| Motor efficiency at full load:           | 91.9-91.9 %                                     |
| Motor efficiency at 3/4 load:            | 92.4 %  |
| Motor efficiency at 1/2 load:            | 92.4 %  |





Company name:

Created by:

Phone:

Date:

15/10/2019

| Description                     | Value               |
|---------------------------------|---------------------|
| Number of poles:                | 2                   |
| Enclosure class (IEC 34-5):     | 55 Dust/Jetting     |
| Insulation class (IEC 85):      | F                   |
| Motor protec:                   | PTC                 |
| Motor No:                       | 85U17526            |
| <b>Controls:</b>                |                     |
| Frequency converter:            | NONE                |
| <b>Others:</b>                  |                     |
| Terminal box position:          | 6                   |
| Minimum efficiency index, MEI : | 0.70                |
| Net weight:                     | 125 kg              |
| Gross weight:                   | 151 kg              |
| Shipping volume:                | 0.34 m <sup>3</sup> |
| Country of origin:              | HU                  |
| Custom tariff no.:              | 84137075            |

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