
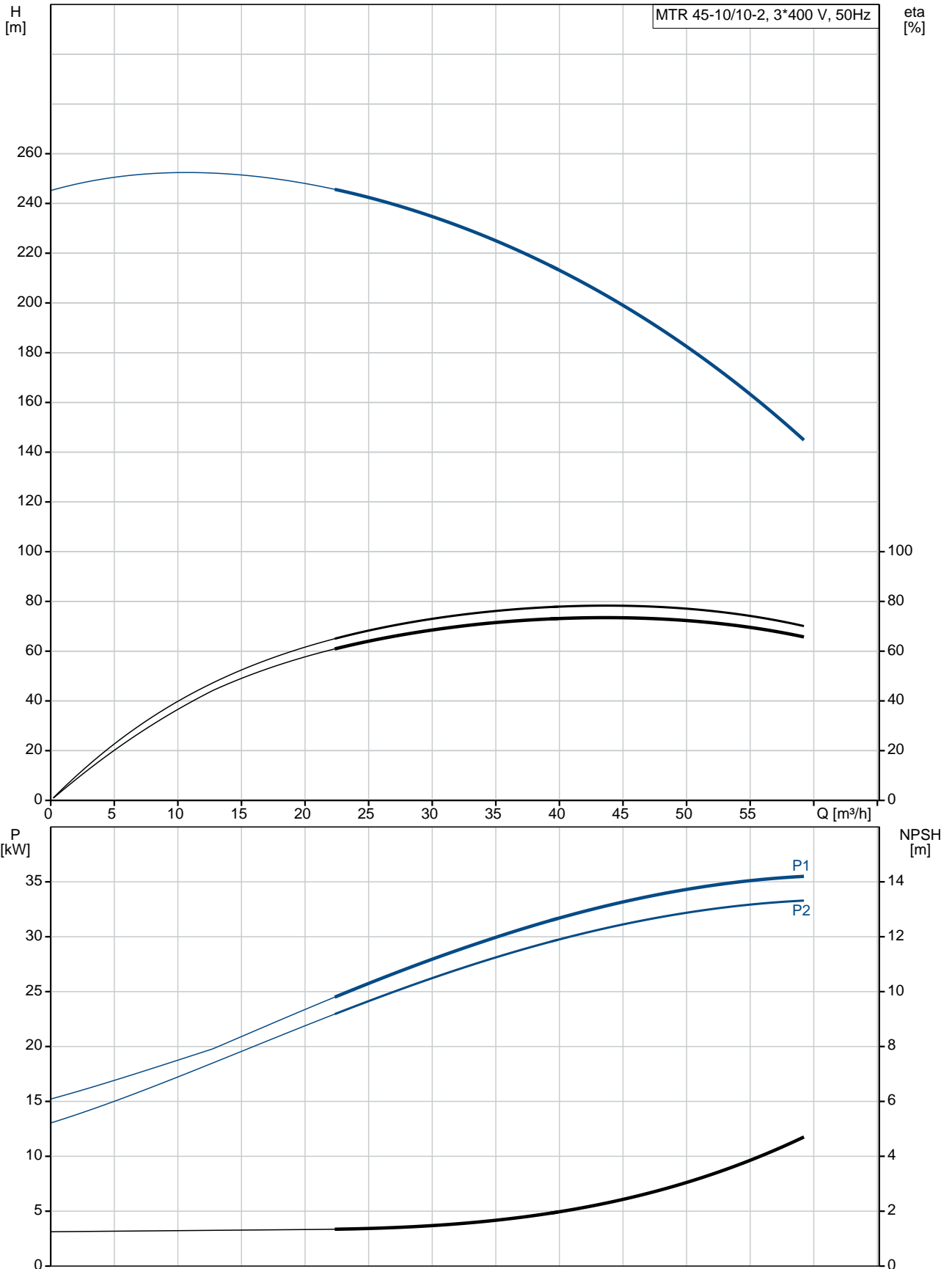


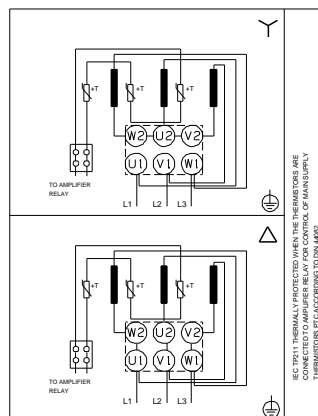
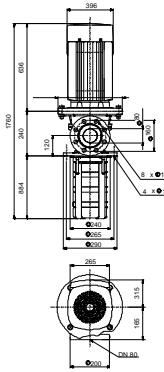
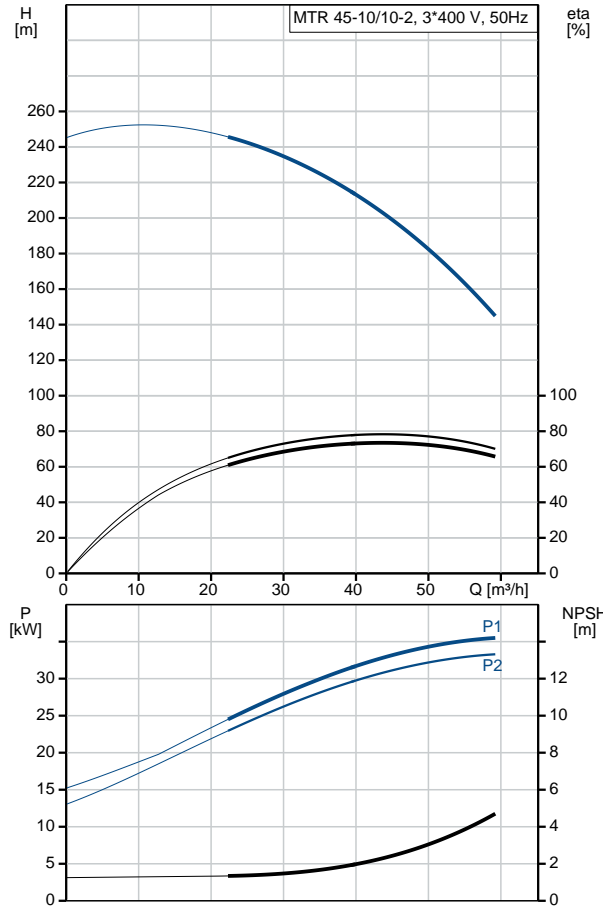
| Qty. | Description |
|------|---|
| 1 | <p data-bbox="199 342 534 365">MTR 45-10/10-2 A-F-A-HUUV</p>  <p data-bbox="199 663 470 685">Product No.: 98513714</p> <p data-bbox="199 723 1173 801">Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump head and base are in cast iron – all other wetted parts are in stainless steel. The pump has the following characteristics:</p> <ul data-bbox="239 813 1141 925" style="list-style-type: none"> • 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. <p data-bbox="199 958 1189 981">A cartridge shaft seal ensures high reliability, safe handling, and easy access and service.</p> <p data-bbox="199 1081 638 1137">Controls: Frequency converter: NONE</p> <p data-bbox="199 1171 774 1317">Liquid: Pumped liquid: Water Liquid temperature range: -10 .. 90 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³</p> <p data-bbox="199 1350 821 1608">Technical: Pump speed on which pump data are based: 2957 rpm Rated flow: 45 m³/h Rated head: 196.8 m Chambers: 10 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1641 805 1843">Materials: Pump head: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304</p> <p data-bbox="199 1877 726 2089">Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: DIN Size of outlet connection: DN 80 Immersion depth: 884 mm</p> |

| Qty. | Description |
|------|--|
| | Pressure rating for pipe connection: PN 40 Flange size for motor: FF350 Electrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 37 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 68,0-63,0/39,0-36,0 A Starting current: 670-670 % Cos phi - power factor: 0.88 Rated speed: 2955 rpm Efficiency: IE3 93,7% Motor efficiency at full load: 93.7-93.7 % Motor efficiency at 3/4 load: 93.9-93.9 % Motor efficiency at 1/2 load: 93.5-93.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 81U15334 Others: Terminal box position: 6 Minimum efficiency index, MEI : 0.70 Net weight: 307 kg Gross weight: 364 kg Shipping volume: 0.81 m ³ Country of origin: HU Custom tariff no.: 84137075 |

98513714 MTR 45-10/10-2 A-F-A-HUUV 50 Hz



| Description | Value |
|--|---|
| General information: | |
| Product name: | MTR 45-10/10-2 A-F-A-HUUV |
| Product No: | 98513714 |
| EAN number: | 5711496394300 5711496394300 |
| Technical: | |
| Pump speed on which pump data are based: | 2957 rpm |
| Rated flow: | 45 m ³ /h |
| Rated head: | 196.8 m |
| Chambers: | 10 |
| Impellers: | 10 |
| Number of reduced-diameter impellers: | 2 |
| Drainage back to tank: | N |
| Pump orientation: | Vertical |
| Code for shaft seal: | HUUV |
| Curve tolerance: | ISO9906:2012 3B |
| Pump version: | A |
| Model: | B |
| Materials: | |
| Pump head: | Cast iron EN 1561 EN-GJL-200 ASTM A48-25B |
| Impeller: | Stainless steel EN 1.4301 AISI 304 |
| Material code: | A |
| Installation: | |
| Maximum ambient temperature: | 55 °C |
| Maximum operating pressure: | 25 bar |
| Max pressure at stated temp: | 25 bar / 90 °C |
| Type of connection: | DIN |
| Size of outlet connection: | DN 80 |
| Immersion depth: | 884 mm |
| Pressure rating for pipe connection: | PN 40 |
| Flange size for motor: | FF350 |
| Connect code: | F |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -10 .. 90 °C |
| Selected liquid temperature: | 20 °C |
| Density at selected liquid temperature: | 998.2 kg/m ³ |
| Electrical data: | |
| Motor standard: | IEC |
| Motor type: | SIEMENS |
| IE Efficiency class: | IE3 |
| Rated power - P2: | 37 kW |
| Mains frequency: | 50 Hz |
| Rated voltage: | 3 x 380-420D/660-725Y V |
| Rated current: | 68,0-63,0/39,0-36,0 A |
| Starting current: | 670-670 % |
| Cos phi - power factor: | 0.88 |
| Rated speed: | 2955 rpm |
| Efficiency: | IE3 93,7% |
| Motor efficiency at full load: | 93.7-93.7 % |
| Motor efficiency at 3/4 load: | 93.9-93.9 % |
| Motor efficiency at 1/2 load: | 93.5-93.5 % |



IEC 7971-1 (NEMA 1) IS PROTECTED AGAINST THE ELEMENTS AND IS CONNECTED TO AMPLIFIER RELAY FOR CONTROL OF MAIN SUPPLY. THERMOSTAT IS ACCORDING TO DIN 4802.



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: | 81U15334 |
| Controls: | |
| Frequency converter: | NONE |
| Others: | |
| Terminal box position: | 6 |
| Minimum efficiency index, MEI : | 0.70 |
| Net weight: | 307 kg |
| Gross weight: | 364 kg |
| Shipping volume: | 0.81 m ³ |
| Country of origin: | HU |
| Custom tariff no.: | 84137075 |