

**Qty. Description**

1 MTR 45-12/12 A-F-A-HUUV



Note! Product picture may differ from actual product

Product No.: [98513719](#)

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.

**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: 2960 rpm  
 Rated flow: 45 m<sup>3</sup>/h  
 Rated head: 250 m  
 Chambers: 12  
 Drainage back to tank: N  
 Pump orientation: Vertical  
 Code for shaft seal: HUUV  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

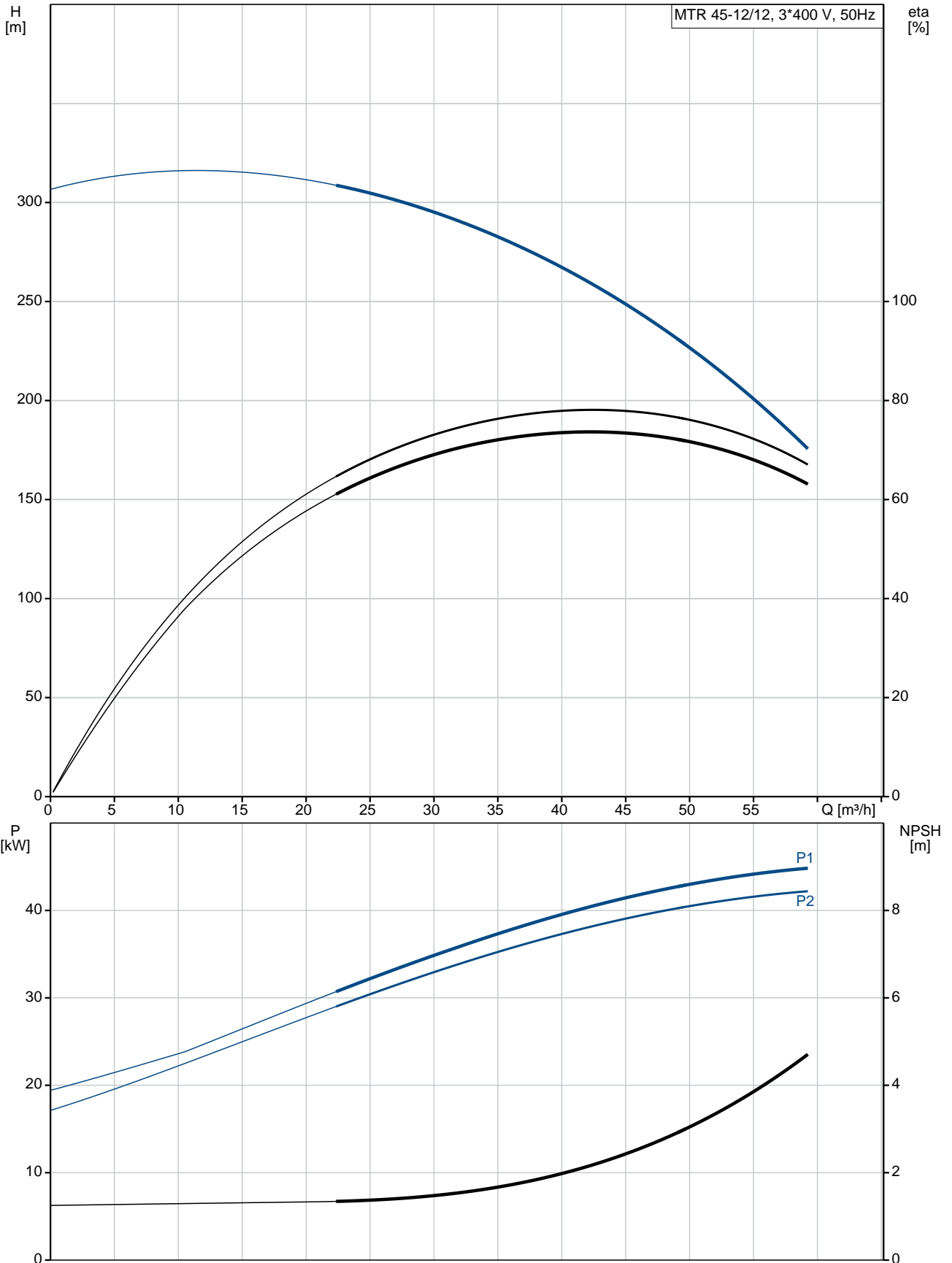
Pump head: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304

**Installation:**

Maximum ambient temperature: 55 °C  
 Maximum operating pressure: 25 bar

Qty.	Description
	<p>Max pressure at stated temp: 25 bar / 90 °C            Type of connection: DIN            Size of outlet connection: DN 80            Immersion depth: 1044 mm            Pressure rating for pipe connection: PN 40            Flange size for motor: FF400</p> <p><b>Electrical data:</b>            Motor standard: IEC            Motor type: SIEMENS            IE Efficiency class: IE3            Rated power - P2: 45 kW            Mains frequency: 50 Hz            Rated voltage: 3 x 380-420D/660-725Y V            Rated current: 81,0-74,0/47,0-43,0 A            Starting current: 690-690 %            Cos phi - power factor: 0.89            Rated speed: 2960 rpm            Efficiency: IE3 94,0%            Motor efficiency at full load: 94.0-94.0 %            Motor efficiency at 3/4 load: 94.5-94.5 %            Motor efficiency at 1/2 load: 94.4-94.4 %            Number of poles: 2            Enclosure class (IEC 34-5): 55 Dust/Jetting            Insulation class (IEC 85): F            Motor No: 81U15336</p> <p><b>Others:</b>            Terminal box position: 6            Minimum efficiency index, MEI : 0.70            Net weight: 410 kg            Gross weight: 467 kg            Shipping volume: 0.81 m<sup>3</sup>            Country of origin: HU            Custom tariff no.: 84137075</p>

## 98513719 MTR 45-12/12 A-F-A-HUUV 50 Hz







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:	81U15336
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI :	0.70
Net weight:	410 kg
Gross weight:	467 kg
Shipping volume:	0.81 m <sup>3</sup>
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