

**Qty. Description**

1 MTR 45-6/6 A-F-A-HUUV



Note! Product picture may differ from actual product

Product No.: [98513707](#)

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: 2947 rpm  
 Rated flow: 45 m<sup>3</sup>/h  
 Rated head: 121.1 m  
 Chambers: 6  
 Drainage back to tank: N  
 Pump orientation: Vertical  
 Code for shaft seal: HUUV  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

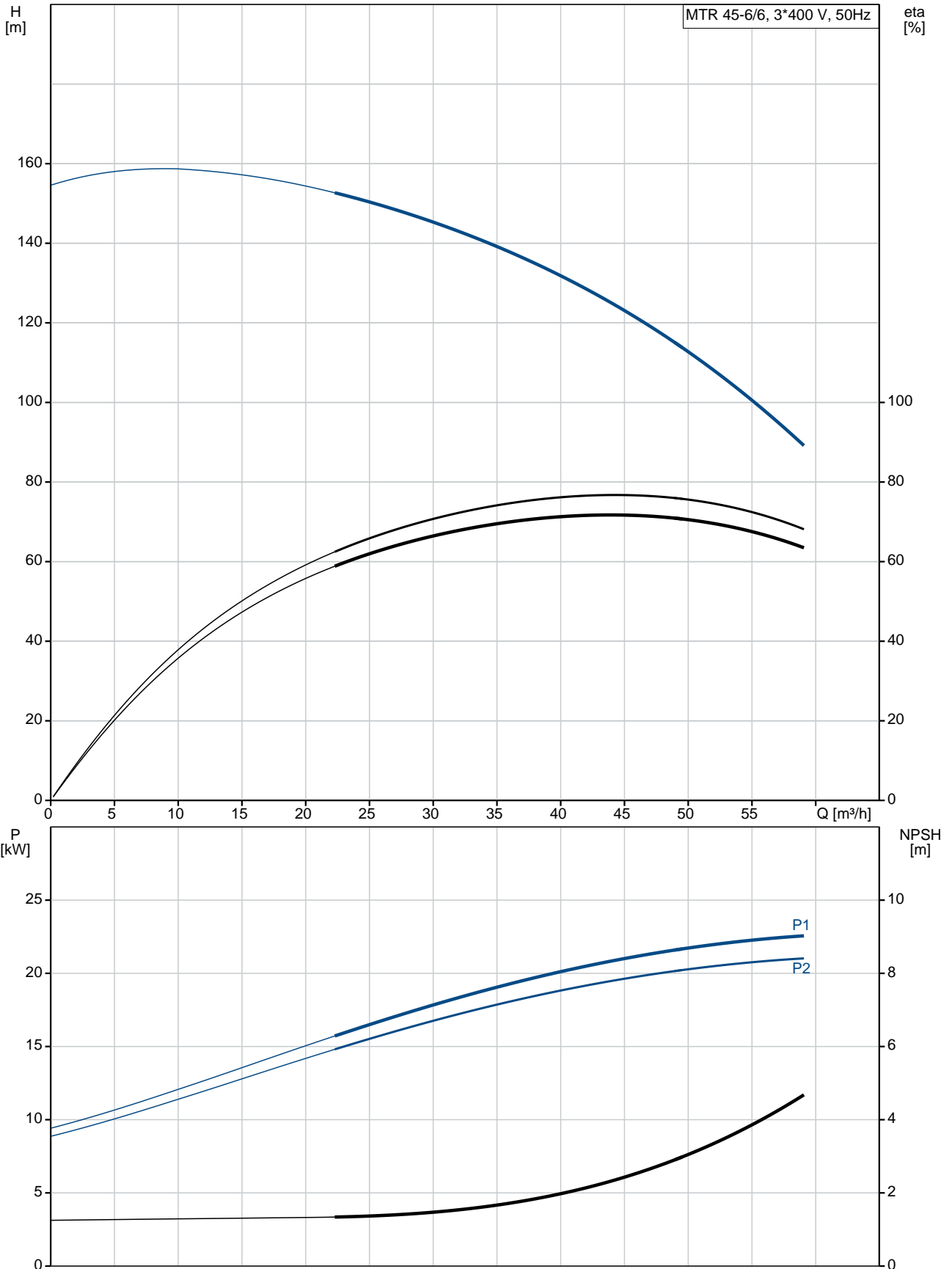
Pump head: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304

**Installation:**

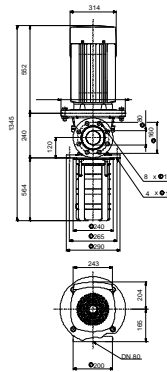
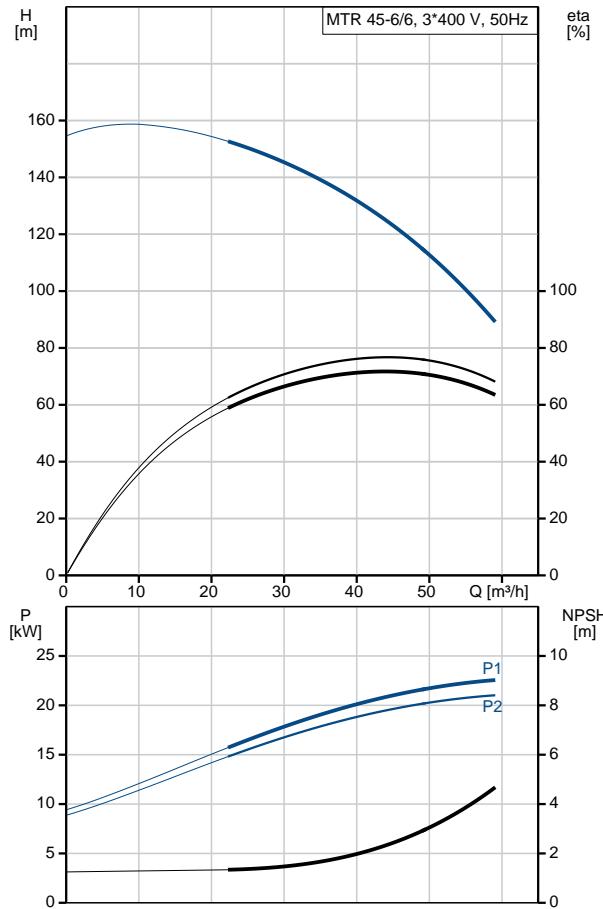
Maximum ambient temperature: 60 °C

Qty.	Description
	<p>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: 564 mm            Pressure rating for pipe connection: PN 40            Flange size for motor: FF300</p> <p><b>Electrical data:</b>            Motor standard: IEC            Motor type: 180MB            IE Efficiency class: IE3            Rated power - P2: 22 kW            Mains frequency: 50 Hz            Rated voltage: 3 x 380-415D/660-690Y V            Rated current: 39.5/22.8 A            Starting current: 830 %            Cos phi - power factor: 0.90-0.90            Rated speed: 2950 rpm            Efficiency: IE3 92,7%            Motor efficiency at full load: 92.7-92.7 %            Motor efficiency at 3/4 load: 93.7 %            Motor efficiency at 1/2 load: 94.4 %            Number of poles: 2            Enclosure class (IEC 34-5): 55 Dust/Jetting            Insulation class (IEC 85): F            Motor No: 85U17530</p> <p><b>Others:</b>            Terminal box position: 6            Minimum efficiency index, MEI : 0.70            Net weight: 181 kg            Gross weight: 206 kg            Shipping volume: 0.34 m³            Country of origin: HU            Custom tariff no.: 84137075</p>

## 98513707 MTR 45-6/6 A-F-A-HUUV 50 Hz



Description	Value
<b>General information:</b>	
Product name:	MTR 45-6/6 A-F-A-HUUU
Product No:	98513707
EAN number:	5711496394164 5711496394164
Price:	9.302,00 GBP
<b>Technical:</b>	
Pump speed on which pump data are based:	2947 rpm
Rated flow:	45 m <sup>3</sup> /h
Rated head:	121.1 m
Chambers:	6
Impellers:	6
Number of reduced-diameter impellers:	0
Drainage back to tank:	N
Pump orientation:	Vertical
Code for shaft seal:	HUUU
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	B
<b>Materials:</b>	
Pump head:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B
Impeller:	Stainless steel EN 1.4301 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:	DIN
Size of outlet connection:	DN 80
Immersion depth:	564 mm
Pressure rating for pipe connection:	PN 40
Flange size for motor:	FF300
Connect code:	F
<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:	180MB
IE Efficiency class:	IE3
Rated power - P2:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690V
Rated current:	39.5/22.8 A
Starting current:	830 %
Cos phi - power factor:	0.90-0.90
Rated speed:	2950 rpm
Efficiency:	IE3 92.7%
Motor efficiency at full load:	92.7-92.7 %
Motor efficiency at 3/4 load:	93.7 %





Company name:

Created by:

Phone:

Date:

15/10/2019

Description	Value
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17530
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI :	0.70
Net weight:	181 kg
Gross weight:	206 kg
Shipping volume:	0.34 m <sup>3</sup>
Country of origin:	HU
Custom tariff no.:	84137075

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