

Qty.	Description
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1	MTR 45-9/9-2 A-F-A-HUUV
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Note! Product picture may differ from actual product

Product No.: [98513712](#)

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: 2951 rpm  
 Rated flow: 45 m<sup>3</sup>/h  
 Rated head: 175.5 m  
 Chambers: 9  
 Drainage back to tank: N  
 Pump orientation: Vertical  
 Code for shaft seal: HUUV  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

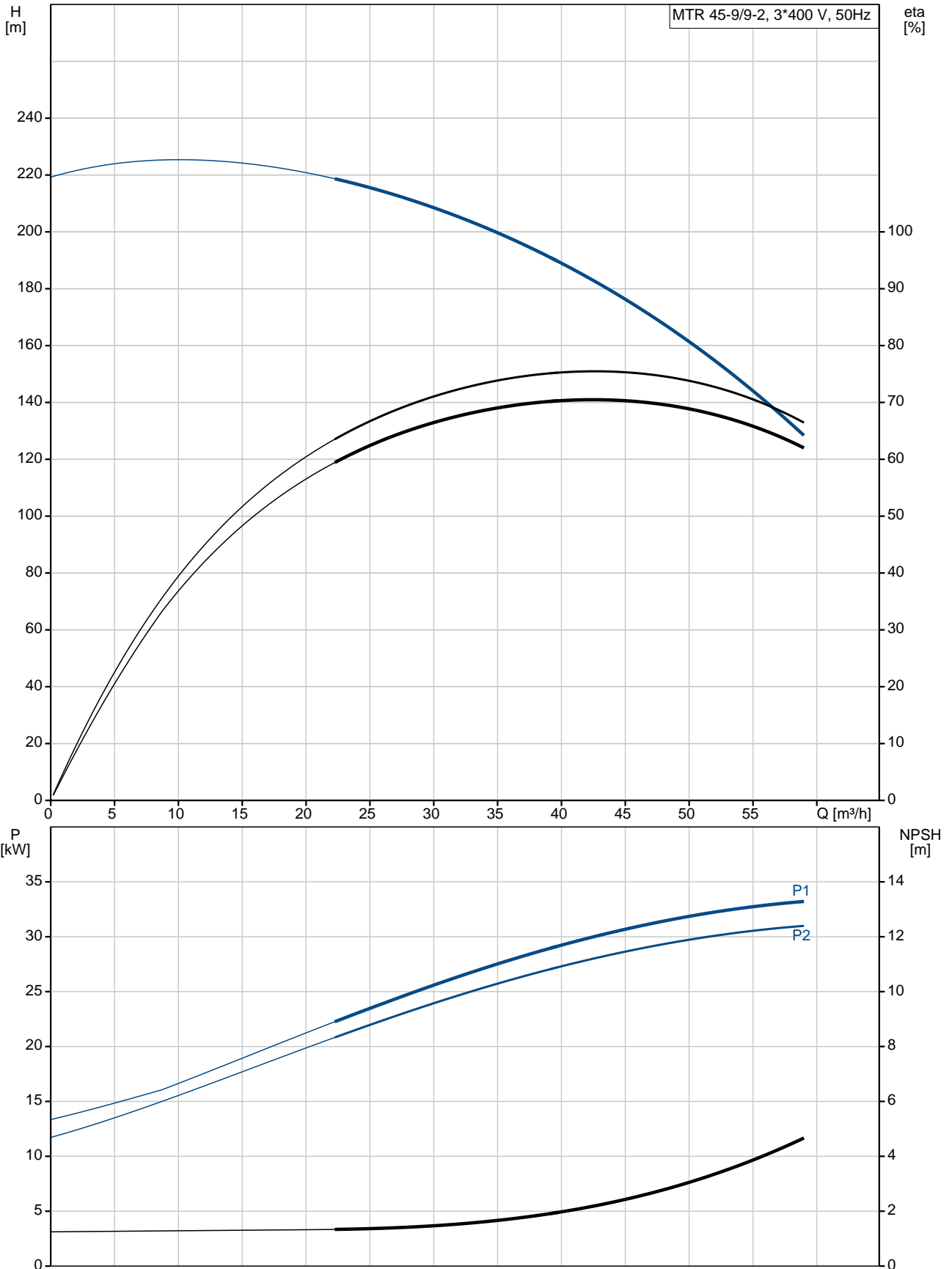
Pump head: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304

**Installation:**

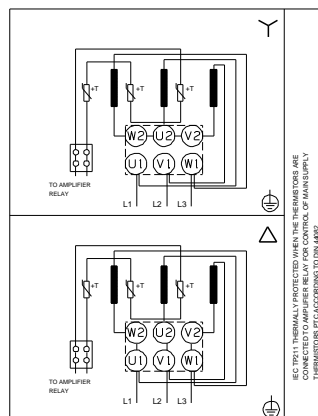
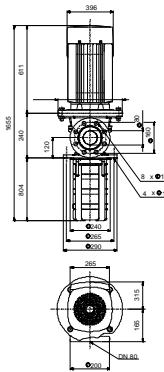
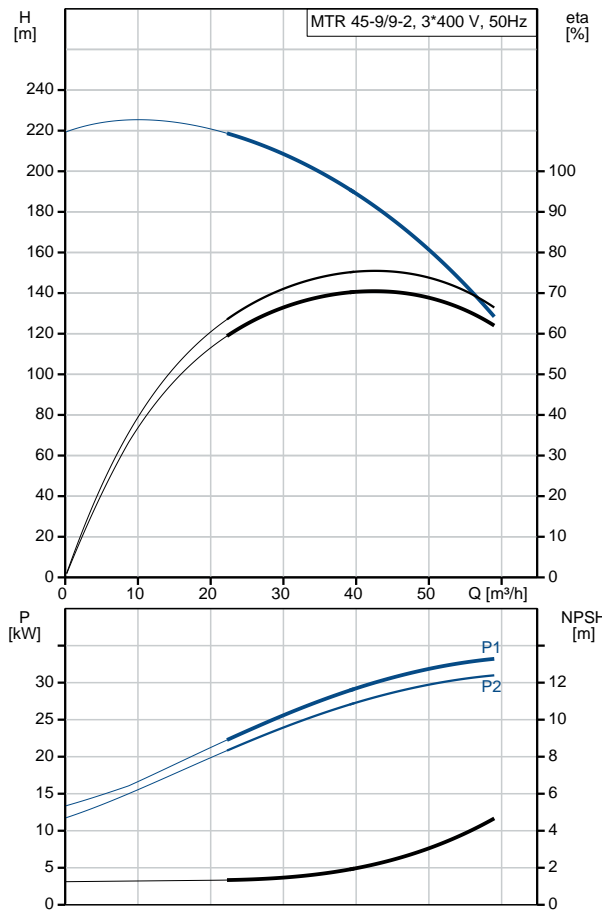
Maximum ambient temperature: 55 °C  
 Maximum operating pressure: 25 bar

Qty.	Description
	<p>Max pressure at stated temp: 25 bar / 90 °C            Type of connection: DIN            Size of outlet connection: DN 80            Immersion depth: 804 mm            Pressure rating for pipe connection: PN 40            Flange size for motor: FF350</p> <p><b>Electrical data:</b>            Motor standard: IEC            Motor type: SIEMENS            IE Efficiency class: IE3            Rated power - P2: 30 kW            Mains frequency: 50 Hz            Rated voltage: 3 x 380-420D/660-725Y V            Rated current: 56,0-51,0/32,0-29,5 A            Starting current: 660-660 %            Cos phi - power factor: 0.86            Rated speed: 2955 rpm            Efficiency: IE3 93,3%            Motor efficiency at full load: 93.3-93.3 %            Motor efficiency at 3/4 load: 93.6-93.6 %            Motor efficiency at 1/2 load: 93.4-93.4 %            Number of poles: 2            Enclosure class (IEC 34-5): 55 Dust/Jetting            Insulation class (IEC 85): F            Motor No: 81U15332</p> <p><b>Others:</b>            Terminal box position: 6            Minimum efficiency index, MEI : 0.70            Net weight: 282 kg            Gross weight: 339 kg            Shipping volume: 0.81 m<sup>3</sup>            Country of origin: HU            Custom tariff no.: 84137075</p>

## 98513712 MTR 45-9/9-2 A-F-A-HUUV 50 Hz



Description	Value
<b>General information:</b>	
Product name:	MTR 45-9/9-2 A-F-A-HUUV
Product No:	98513712
EAN number:	5711496394263 5711496394263
<b>Technical:</b>	
Pump speed on which pump data are based:	2951 rpm
Rated flow:	45 m <sup>3</sup> /h
Rated head:	175.5 m
Chambers:	9
Impellers:	9
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
<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:	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:	804 mm
Pressure rating for pipe connection:	PN 40
Flange size for motor:	FF350
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:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	30 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	56,0-51,0/32,0-29,5 A
Starting current:	660-660 %
Cos phi - power factor:	0.86
Rated speed:	2955 rpm
Efficiency:	IE3 93,3%
Motor efficiency at full load:	93.3-93.3 %
Motor efficiency at 3/4 load:	93.6-93.6 %
Motor efficiency at 1/2 load:	93.4-93.4 %





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:	81U15332
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI :	0.70
Net weight:	282 kg
Gross weight:	339 kg
Shipping volume:	0.81 m <sup>3</sup>
Country of origin:	HU
Custom tariff no.:	84137075