
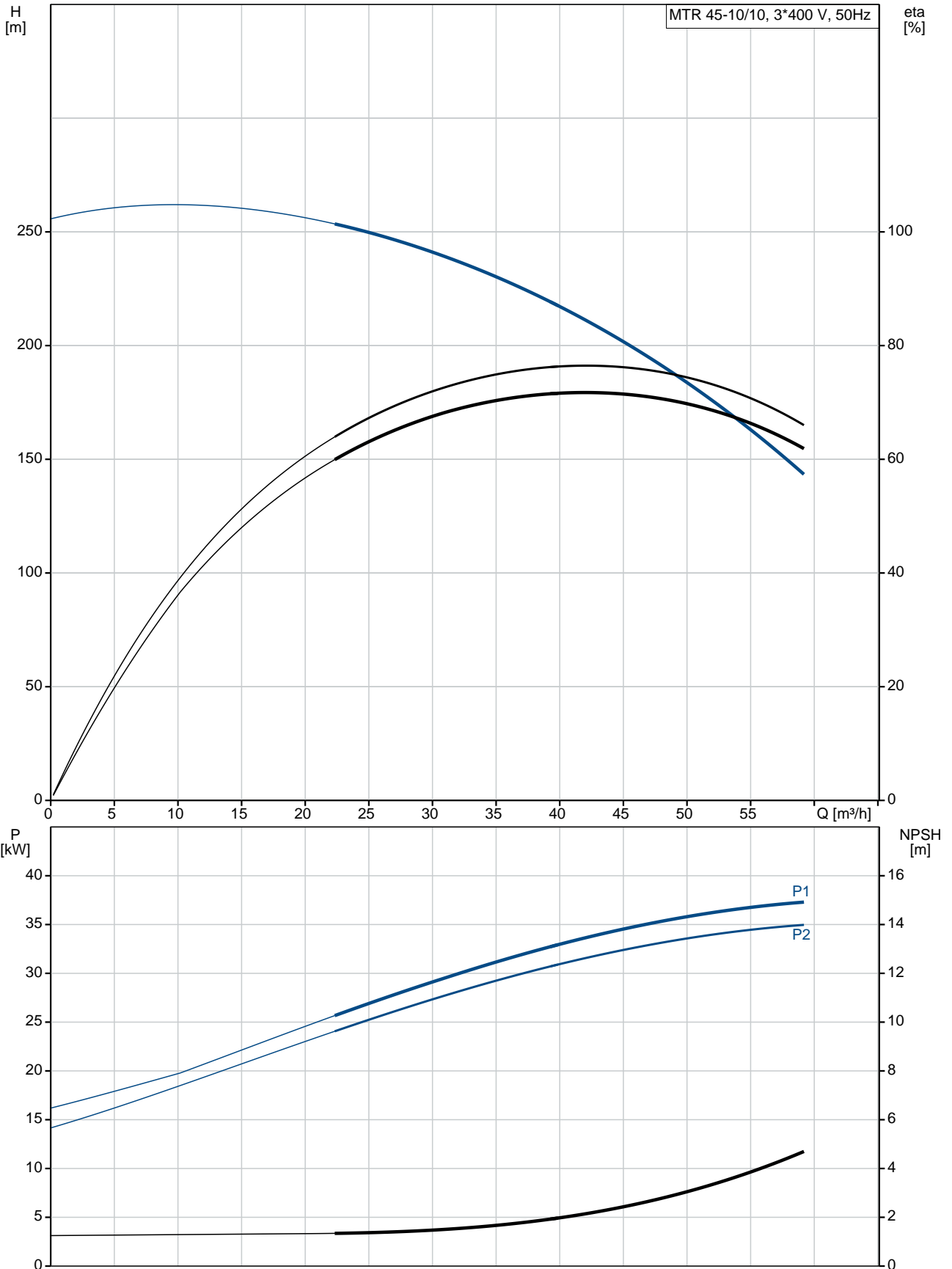


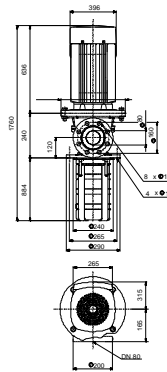
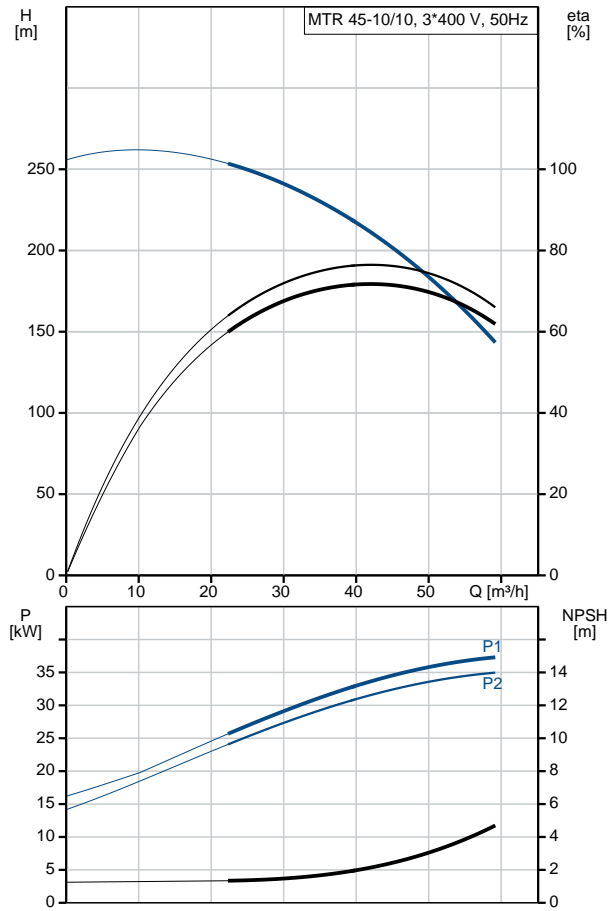
Qty.	Description
1	<p data-bbox="199 340 518 362">MTR 45-10/10 A-F-A-HUUV</p> <div data-bbox="359 376 438 622" style="text-align: center;">  </div> <p data-bbox="199 660 470 683">Product No.: 98513715</p> <p data-bbox="199 721 1173 779">Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump head and base are in cast iron – all other wetted parts are in stainless steel.</p> <p data-bbox="199 779 678 801">The pump has the following characteristics:</p> <ul data-bbox="239 810 1141 922" 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 1079 311 1102">Controls:</p> <p data-bbox="199 1108 638 1131">Frequency converter: NONE</p> <p data-bbox="199 1169 295 1191">Liquid:</p> <p data-bbox="199 1198 638 1220">Pumped liquid: Water</p> <p data-bbox="199 1227 694 1249">Liquid temperature range: -10 .. 90 °C</p> <p data-bbox="199 1256 630 1279">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1285 774 1308">Density at selected liquid temperature: 998.2 kg/m³</p> <p data-bbox="199 1346 327 1368">Technical:</p> <p data-bbox="199 1375 821 1397">Pump speed on which pump data are based: 2957 rpm</p> <p data-bbox="199 1404 654 1426">Rated flow: 45 m³/h</p> <p data-bbox="199 1433 662 1456">Rated head: 204.8 m</p> <p data-bbox="199 1462 598 1485">Chambers: 10</p> <p data-bbox="199 1491 582 1514">Drainage back to tank: N</p> <p data-bbox="199 1520 646 1543">Pump orientation: Vertical</p> <p data-bbox="199 1550 630 1572">Code for shaft seal: HUUV</p> <p data-bbox="199 1579 766 1601">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1639 327 1662">Materials:</p> <p data-bbox="199 1668 805 1758">Pump head: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B</p> <p data-bbox="199 1765 726 1854">Impeller: Stainless steel EN 1.4301 AISI 304</p> <p data-bbox="199 1886 343 1908">Installation:</p> <p data-bbox="199 1915 630 1937">Maximum ambient temperature: 55 °C</p> <p data-bbox="199 1944 638 1966">Maximum operating pressure: 25 bar</p> <p data-bbox="199 1973 726 1995">Max pressure at stated temp: 25 bar / 90 °C</p> <p data-bbox="199 2002 614 2024">Type of connection: DIN</p> <p data-bbox="199 2031 638 2054">Size of outlet connection: DN 80</p> <p data-bbox="199 2060 662 2083">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

98513715 MTR 45-10/10 A-F-A-HUUV 50 Hz



Description	Value
General information:	
Product name:	MTR 45-10/10 A-F-A-HUUV
Product No:	98513715
EAN number:	5711496394324 5711496394324
Technical:	
Pump speed on which pump data are based:	2957 rpm
Rated flow:	45 m ³ /h
Rated head:	204.8 m
Chambers:	10
Impellers:	10
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:	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 %





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