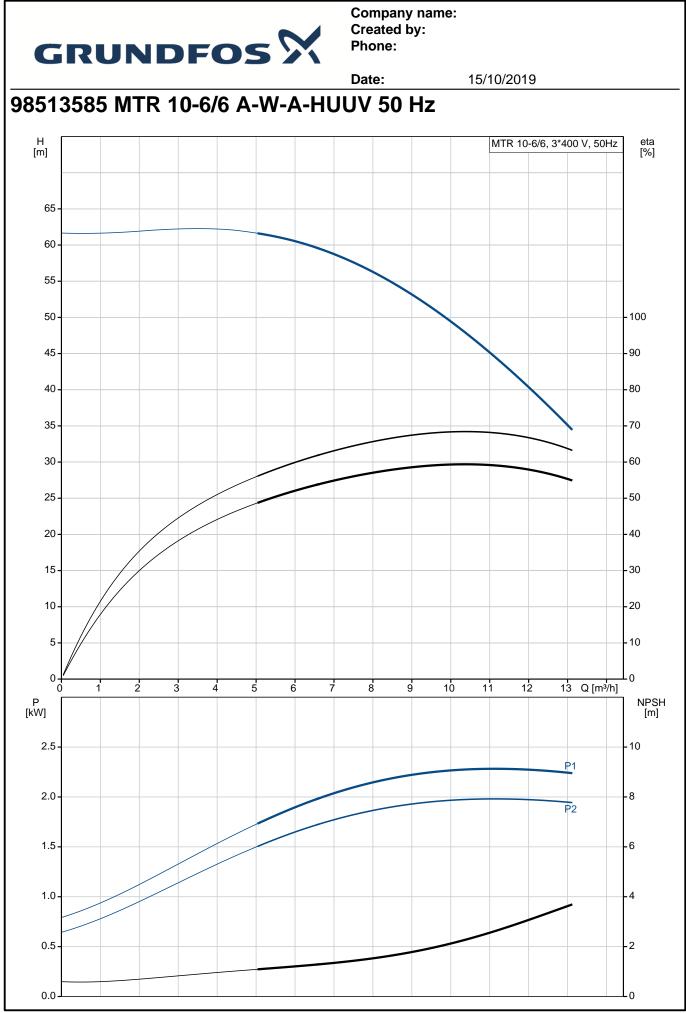
Optimize Date: 15/10/2019 City. Description 1 MTR 10-66 A-W-A-HUUV Image: Intermediate of the second		GRUNDFOS Company name: Created by: Phone:						
1 MTR 10-6/6 A-W-A-HUUV Image: Product No.: 98513535 Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump head and base are in cast iron – all other wetted parts are in stainless steel. The pump head and base are in cast iron – all other wetted parts are in stainless steel. Image:				Date:	15/10/2019			
Forduct No: 98513555 Mutistage, immensible, 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 stalnless stell. The pump head and base are in cast iron – all other wetted parts are in stalnless stell. Installation length according to DIN S440. Pumpellers, intermediate chambers and 90. Nethanizal shaft seal according to EN 1276. Power transmission via cast-iron split coupling. A cartridge shaft seal ensures high reliability, stafe handling, and easy access and service. The pump is fitted with a 3-phase, fan-cooled asynchronous motor. Controls: Frequency converter: NONE Method liquid temperature: 992.2 kg/mt Method liquid temperature: 992.8 kg/mt Activities Method Sected liquid temperature: 992.8 kg/mt Method liquid temperature: 992.9 kg/	Qty.	Description						
Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump has the following characteristics: Installation length according to DIN 5440. Muchanical 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 has the following 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: Water Liquid temperature: 20 °C Belected liquid temperature: 20 °C Density at selected liquid temperature: 20 °C Castrid lebad: 49.4 m Chambers: 6 Drainage back t	1	MTR 10-6/6 A-W-A-HUUV						
Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump has the following characteristics: Installation length according to DIN 5440. Muchanical 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 has the following 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: Water Liquid temperature: 20 °C Belected liquid temperature: 20 °C Density at selected liquid temperature: 20 °C Castrid lebad: 49.4 m Chambers: 6 Drainage back t								
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. Installation length according to DIN 5440. Installation length according to EN 12756. Power transmission via cast-iron split coupling. A cartridge shaft seal according to EN 12756. Controls: Control: C		Product No.: 98513585						
The pump is fitted with a 3-phase, fan-cooled asynchronous motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -1090 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2899 rpm Rated flow: 10 m³/n Rated head: 49.4 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 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: G		The pump head and base are in The pump has the following chan Installation length accordi Impellers, intermediate ch Mechanical shaft seal acc	cast iron – all other v racteristics: ng to DIN 5440. nambers and spline s cording to EN 12756.	wetted parts are	in stainless steel.			
Frequency converter: NONE Liquid: Water Liquid temperature range: -10 90 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 98.2 kg/m³ Technical: Pump speed on which pump data are based: Pump speed on which pump data are based: 2899 rpm Rated flow: 10 m³/h Rated head: 49.4 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 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 25 bar Maximum operating pressure: 25 bar / 90 °C Type of connection: G by °C								
Pumped liquid: Water Liquid temperature range: -1090 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2899 rpm Rated flow: 10 m³/h Rated flow: 10 m³/h Rated head: 49.4 m Chambers: 6 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Curve tolerance: ISO9906:2012 3B Materials: Pump head: 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 Maximum operating pressure: 25 bar / 90 °C Type of connection: G			NONE					
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Chambers: 6 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Curve tolerance: ISO9906:2012 3B Materials: Pump head: 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 Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: G								
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Pump orientation: Vertical Code for shaft seal: HUUV Curve tolerance: ISO9906:2012 3B Materials: Example 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 Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: G			-					
Curve tolerance: ISO9906:2012 3B Materials: Pump head: 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 Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: G								
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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 Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: G								
Impeller: Stainless steel EN 1.4301 AISI 304 Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: G			EN 1561 EN-GJL-2	00				
Maximum ambient temperature:60 °CMaximum operating pressure:25 barMax pressure at stated temp:25 bar / 90 °CType of connection:G		Impeller:	Stainless steel EN 1.4301					
Maximum ambient temperature:60 °CMaximum operating pressure:25 barMax pressure at stated temp:25 bar / 90 °CType of connection:G		Installation:						
Max pressure at stated temp: 25 bar / 90 °C Type of connection: G		Maximum ambient temperature:	60 °C					
		Maximum operating pressure: Max pressure at stated temp:	25 bar 25 bar / 90 °C					
		Size of outlet connection:	2 inch					



Company name: Created by: Phone:

Flange size for motor:FT115Electrical data:Motor standard:IECMotor type:90LCIE Efficiency class:IE3Rated power - P2:2.2 kWMains frequency:50 HzRated voltage:3 x 380-415D VRated voltage:3 x 380-415D VRated voltage:2890-2910 rpmEfficiency:IE3 85.9%Motor efficiency at full load:85.9 %Motor efficiency at 1/2 load:86.8 %Motor efficiency at 1/2 load:86.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 34-5):FMotor No:85U15908Others:Terminal box position:6Minimum efficiency index, MEI: 0.70Net weight:36.2 kgGross weight:39.7 kgShipping volume:0.08 m³Country of origin:HU
Flange size for motor:FT115Electrical data:IECMotor standard:IECMotor type:90LCIE Efficiency class:IE3Rated power - P2:2.2 kWMains frequency:50 HzRated voltage:3 x 380-415D VRated voltage:3 x 380-415D VRated current:4.45 AStarting current:850-950 %Cos phi - power factor:0.89-0.87Rated speed:2890-2910 rpmEfficiency:IE3 85.9%Motor efficiency at full load:85.9 %Motor efficiency at 1/2 load:86.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15908Others:7Terminal box position:6Minimum efficiency index, MEI0.70Net weight:36.2 kgGross weight:39.7 kgShipping volume:0.08 m³Country of origin:HU
Electrical data:IECMotor standard:90LCIE Efficiency class:IE3Rated power - P2:2.2 kWMains frequency:50 HzRated voltage:3 x 380-415D VRated current:4.45 AStarting current:850-950 %Cos phi - power factor:0.89-0.87Rated speed:2890-2910 rpmEfficiency:IE3 85.9%Motor efficiency at full load:86.8 %Motor efficiency at 1/2 load:86.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15908Others:Terminal box position:6Minimum efficiency index, MEI0.70Net weight:36.2 kgGross weight:39.7 kgShipping volume:0.08 m³Country of origin:HU
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Motor type: 90LC IE Efficiency class: IE3 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 4.45 A Starting current: 850-950 % Cos phi - power factor: 0.89-0.87 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 85.9 % Motor efficiency at full load: 86.8 % Motor efficiency at 1/2 load: 86.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15908 Others: 0.70 Net weight: 36.2 kg Gross weight: 39.7 kg Shipping volume: 0.08 m³ Country of origin: HU
IE Efficiency class: IE3 Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 4.45 A Starting current: 850-950 % Cos phi - power factor: 0.89-0.87 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 85.9 % Motor efficiency at 1/2 load: 86.8 % Motor efficiency at 1/2 load: 86.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15908 Others: 7070 Net weight: 36.2 kg Gross weight: 39.7 kg Shipping volume: 0.08 m³ Country of origin: HU
Rated power - P2: 2.2 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 4.45 A Starting current: 850-950 % Cos phi - power factor: 0.89-0.87 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 85.9 % Motor efficiency at 3/4 load: 86.8 % Motor efficiency at 1/2 load: 86.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15908 Others: 7 Terminal box position: 6 Minimum efficiency index, MEI 0.70 Net weight: 39.7 kg Shipping volume: 0.08 m³ Country of origin: HU
Mains requency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 4.45 A Starting current: 850-950 % Cos phi - power factor: 0.89-0.87 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 85.9 % Motor efficiency at 3/4 load: 86.8 % Motor efficiency at 1/2 load: 86.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15908 Others: 0.70 Net weight: 36.2 kg Gross weight: 39.7 kg Shipping volume: 0.08 m³ Country of origin: HU
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Minimum efficiency index, MEI: 0.70Net weight:36.2 kgGross weight:39.7 kgShipping volume:0.08 m³Country of origin:HU
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Gross weight:39.7 kgShipping volume:0.08 m³Country of origin:HU
Shipping volume:0.08 m³Country of origin:HU
Country of origin: HU





Company name: Created by: Phone:

		Date: 15/10/2019		
Description Value		H [m]	MTR 10-6/6, 3*400 V, 50Hz [%]	
General information:				
Product name:	MTR 10-6/6 A-W-A-HUUV	65 -		
Product No:	98513585	60-		
		55 -		
EAN number:	5711496391378	50 -	100	
	5711496391378			
Price:	1.694,00 GBP	45 -	- 90	
Technical:		40 -	- 80	
Pump speed on which pump data are based:	2899 rpm	35-	70	
Rated flow:	10 m³/h	30	- 60	
Rated head:	49.4 m	25	- 50	
Chambers:	6			
Impellers:	6	20 -	- 40	
Number of reduced-diameter impellers:	0	15 -	- 30	
		10 -	- 20	
Drainage back to tank:	N			
Pump orientation:	Vertical	5-	- 10	
Code for shaft seal:	HUUV	o //	0	
Curve tolerance:	ISO9906:2012 3B	0 2 4 6 8	10 Q [m³/h]	
Pump version:	A	P [kW]	NPSI [m]	
Model:	Α	2.5 -	- 10	
Materials:			<u>P1</u>	
Pump head:	Cast iron	2.0		
	EN 1561 EN-GJL-200	1.5		
	ASTM A48-25B			
Impeller:	Stainless steel	1.0 -	-4	
	EN 1.4301	0.5		
	AISI 304	0.5 -	2	
Material code:	A	0.0		
Installation:				
Maximum ambient temperature:	60 °C			
Maximum operating pressure:	25 bar			
	25 bar 25 bar / 90 °C			
Max pressure at stated temp:		49 49 49 49 49 49 49 49 49 49 49 49 49 4		
Type of connection:	G			
Size of outlet connection:	2 inch			
Immersion depth:	268 mm			
Flange size for motor:	FT115	8 4 x 0 9		
Connect code:	W			
Liquid:				
Pumped liquid:	Water	0 250 		
Liquid temperature range:	-10 90 °C			
Selected liquid temperature:	20 °C			
Density at selected liquid temperature:	998.2 kg/m ³	2		
	330.2 KY/11	<u>\G2</u>		
Electrical data:				
Motor standard:	IEC	LOW VOLTAGE		
Motor type:	90LC	LOW VOLTAGE DIRECTION OF ROTATION		
IE Efficiency class:	IE3			
Rated power - P2:	2.2 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-415D V			
Rated current:	4.45 A			
Starting current:	850-950 %			
-	0.89-0.87			
Cos phi - power factor:		HIGH VOLTAGE DIRECTION OF ROTATION		
Rated speed:	2890-2910 rpm			
Efficiency:	IE3 85,9%			
Motor efficiency at full load:	85.9 %			
Motor efficiency at 3/4 load:	86.8 %			
Motor efficiency at 1/2 load:	86.0 %			
Number of poles:	2			
	-			

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Company name: Created by: Phone:

Date: 15/10/2019 Description Value Enclosure class (IEC 34-5): 55 Dust/Jetting F Insulation class (IEC 85): NONE Motor protec: Motor No: 85U15908 Controls: Frequency converter: NONE Others: Terminal box position: 6 Minimum efficiency index, MEI : 0.70 Net weight: 36.2 kg Gross weight: 39.7 kg Shipping volume: 0.08 m³ Country of origin: HU Custom tariff no .: 84137075

