## Qty. | Description

1 MTR 1-22/22 A-W-A-HUUV



Product No.: On request

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:

- Dimensions 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 sintered metal 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: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2853 rpm

Rated flow: 30 l/min
Rated head: 99.6 m
Chambers: 22
Drainage back to tank: N
Pump orientation: Vertical
Code for shaft seal: HUUV
Approvals: CE.EAC

Curve tolerance: ISO9906:2012 3B

Materials:

Pump head: Cast iron

EN 1561 EN-GJL-200

ASTM A48-25B

G internal thread

Impeller: Stainless steel

EN 1.4301 AISI 304

Installation:

t max amb: 60 °C

Maximum operating pressure: 25 bar

Max pressure at stated temp: 25 bar / 90 °C

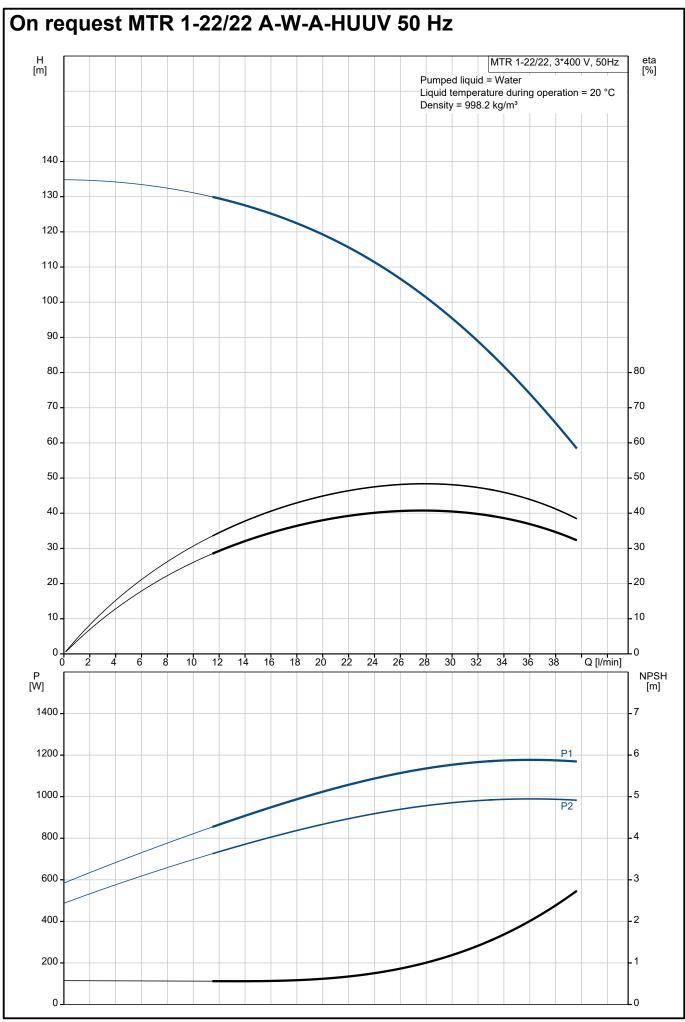
Size of outlet connection: 1 1/4 inch Immersion depth: 520 mm Flange size for motor: FT100

Electrical data:

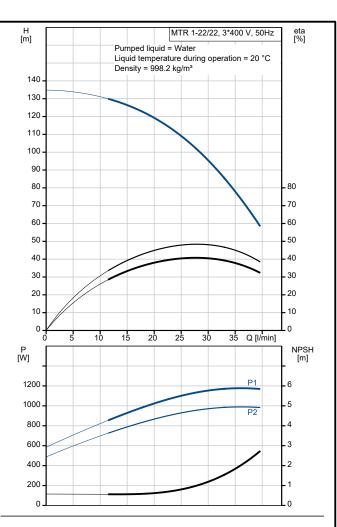
Type of connection:

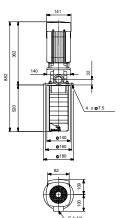
Motor standard: IEC
Motor type: 80C
IE Efficiency class: IE3
Rated power - P2: 1.1 kW

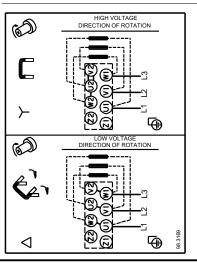
## Description Mains frequency: 50 Hz Suitable for 50/60 Hz: Ν 3 x 220-240D/380-415Y V Rated voltage: Rated current: 4.35/2.50 A Starting current: 450-500 % Cos phi - power factor: 0.83-0.76 Rated speed: 2840-2870 rpm Efficiency: IE3 82,7% Motor efficiency at full load: 82.7 % 84.6 % Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: 85.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U05105 Others: Terminal box position: Minimum efficiency index, MEI ≥: 0.70 Net weight: 17.1 kg Gross weight: 20.7 kg Shipping volume: 0.077 m<sup>3</sup> Danish VVS No.: 386961022 Country of origin: HU Custom tariff no.: 84137075



Description         Value           General information:         MTR 1-22/22 AAW-A-HUUV           Product No:         On request           EAN number:         On request           Technical:         Pump speed on which pump data are based:           Pump speed on which pump data are based:         2853 rpm           Rated flow:         30 l/min           Rated head:         99.6 m           Chambers:         22           Impellers:         22           Number of reduced-diameter impellers:         0           Drainage back to tank:         N           Pump orientation:         Vertical           Code for shaft seal:         HUUV           Approvals:         CE,EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Materials:         Cast iron           Pump head:         Cast iron           Pump head:         Cast iron           Pump head:         ASTM A48-25B           Impeller:         Alsi 304           Material code:         A           Material code:         A           Maximum operating pressure:         25 bar <td< th=""><th></th><th></th></td<>			
Product name: MTR 1-22/22 A-W-A-HUUV Product No: On request EAN number: On request Technical: Pump speed on which pump data are based: Rated flow: 30 l/min Rated head: 99.6 m Chambers: 22 Impellers: 22 Impellers: 22 Impellers: 0 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Approvals: CE,EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Pump head: Cast iron Pump head: EN 1561 EN-GJL-200 Pump head: EN 1561 EN-GJL-200 Pump head: ASTM A48-25B Impeller: Stainless steel Impeller: AISI 304 Material code: A Material code: A Material code: A Impeller: Stainless steel Impeller: AISI 304 Material code: A Material code: A Impeller: BN 1-4301 Impeller: AISI 304 Material code: Third in the stain of the stain		Value	
Product No:	General information:		
Product No:         On request           EAN number:         On request           Technical:         On request           Pump speed on which pump data are based:         2853 rpm           Rated flow:         30 l/min           Rated how:         99.6 m           Chambers:         22           Impellers:         22           Impellers:         0           Drainage back to tank:         N           Pump orientation:         Vertical           Code for shaft seal:         HUUV           Approvals:         CE.EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Maderials:         CE.EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Maderials:         CE.EAC           Curve tolerance:         ISO9906:2012 3B           Pump pead:         Cast iron           Pump bead:         CA 1551 EN-GJL-200           Pump bead:         CA 1551 EN-GJL-200           Pump bead:         A 151 EN-GJL-200           Materials:         CA 1551 EN-GJL-200 </td <td>Product name:</td> <td></td>	Product name:		
EAN number: On request Technical: Pump speed on which pump data are based: Rated flow: 30 l/min Rated head: 99.6 m Chambers: 22 Impellers: 22 Number of reduced-diameter impellers: 0 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Approvals: CE.EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Pump head: Cast iron Pump head: EN 1561 EN-GJL-200 Pump head: ASTM A48-25B Impeller: Stainless steel Impeller: AISI 304 Material code: A Installation: Tank amb: 60 °C Maximum operating pressure: 25 bar / 90 °C Maximum operating pressure: 25 bar / 90 °C Maximum operating pressure: 11/14 inch Immersion depth: 520 mm Flange size for motor: FT100 Connect code: W Liquid: Water Liquid temperature range: -10 90 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: IES Rated power - P2: 1.1 kW Mains frequency: 50 Hz Rated voltage: V Rated current: 4.35/2.50 A Motor efficiency at Jul load: 82.7 % Motor efficiency at Jul load: 82.7 % Motor efficiency at Jul load: 85.4 % Mourber of poles: 2 Enclosure class (IEC 34-5): 15 Dust/Jetting Insulation noon: Solue on solue. Solue. IIIs Insulation at solue. Insulation: Insulation and solue. Insulation and solue. Insulation and solue. II solue. Insulation and solue. Insulation and solue. Insulation and solue. IEC Motor efficiency at Jul load: 85.4 % Motor efficiency at Jul load: 85.4 % Motor of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 88): F Issulation class (IEC 88): F		A-W-A-HUUV	
Technical:         2853 rpm           Pump speed on which pump data are based:         30 l/min           Rated flow:         30 l/min           Rated head:         99.6 m           Chambers:         22           Impellers:         22           Number of reduced-diameter impellers:         0           Drainage back to tank:         N           Pump orientation:         Vertical           Code for shaft seal:         HUUV           Approvals:         CE_EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Waterials:         William           Pump head:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         AISI 304           Material code:         A           Installation:         Image: Stain and Aisi 304           Image: Stain and Aisi 304         Material code: Image: Stain and Aisi 304           Max pressure at stated temp:         25 bar           Type of connection:         G internal thread           Size of outlet connection: <td>Product No:</td> <td>On request</td>	Product No:	On request	
Pump speed on which pump data are based:	EAN number:	On request	
based:         30 l/min           Rated head:         99.6 m           Chambers:         22           Impellers:         22           Number of reduced-diameter impellers:         0           Drainage back to tank:         N           Pump orientation:         Vertical           Code for shaft seal:         HUUV           Approvals:         CE_EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Windel:         A           Model:         A           Pump head:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM 448-25B           Impeller:         Stainless steel           Impeller:         AISI 304           Material code:         A           A         Installation:           t max amb:         60 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 90 °C           Type of connection:         Ginternal thread           Size of outlet connection:         11/4 inch           Immersion depth:         520 mm	Technical:		
Rated head:         99.6 m           Chambers:         22           Impellers:         22           Number of reduced-diameter impellers:         0           Drainage back to tank:         N           Pump orientation:         Vertical           Code for shaft seal:         HUUV           Approvals:         CE_EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Maderials:         Fump head:           Pump head:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         ALSI 304           Material code:         A           Impeller:         ALSI 304           Material code:         A           Impeller:         ALSI 304           Material code:         A           Installation:         Image and the seal and the seal and the seal and seal an		2853 rpm	
Chambers:   22   Impellers:   0   0   0   Impellers:   0   0   Impellers:   0   0   Impellers:   0   0   Impellers:   Impellers:   Impellers:   ISO9906:2012 3B   Impellers:   Impellers:   Impellers:   Impeller:   Stainless steel   Impeller:   Impelle	Rated flow:	30 l/min	
Impellers:	Rated head:	99.6 m	
Impellers:	Chambers:	22	
Number of reduced-diameter impellers:  Drainage back to tank:  N Pump orientation: Code for shaft seal: HUUV Approvals: CE,EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Pump head: ASTM A48-25B Impeller: Impeller: AISI 304 A A Installation: Impeller: AISI 304 A A Installation: I max amb: A C G C Maximum operating pressure: Max pressure at stated temp: Disc of outlet connection: Disc of outlet connection: Disc of outlet connection: Disc of outlet connection: Pumped liquid: Pumped liquid: Pumped liquid: Pumped liquid temperature: Pumped liquid temperature: Pumped liquid temperature: Do C C Density: Pelectrical data: Motor standard: Motor standard: Motor standard: Motor standard: Motor standard: Motor standard: AISI 304 A A A Installation:  I 1/4 inch Immersion depth: FT100 Connect code: Liquid: Pumped liquid temperature: Do °C Density: Pumped liquid temperature: Do °C Donesticon: Do No Do Hz Starting current: A35/2.50 A A Starting current: A35/2.50 A A A		22	
Drainage back to tank:         N           Pump orientation:         Vertical           Code for shaft seal:         HUUV           Approvals:         CE,EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Model:         A           Model:         A           Materials:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         AISI 304           Material code:         A           Imstallation:         Immediate Immediate Immediate Immedi	•		
Pump orientation: Vertical Code for shaft seal: HUUV Approvals: CE,EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Pump head: Cast iron Pump head: EN 1561 EN-GJL-200 Pump head: ASTM A48-25B Impeller: Stainless steel Impeller: EN 1.4301 Impeller: AISI 304 Material code: A Installation: Tax amb: 60 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: 1 1/4 inch Immersion depth: 520 mm Flange size for motor: FT100 Connect code: W Liquid: Water Liquid temperature range: -10 90 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 80C IE Efficiency class: IE3 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Suitable for 50/60 Hz: N Rated voltage: 3 x 220-240D/380-415Y V Rated speed: 2840-2870 rpm Efficiency: IE3 82,7% Motor efficiency at 1/2 load: 85,4 % Number of poles: Enclosure (IEC 8) None Motor efficiency at 1/2 load: 85,4 % Number of poles: Enclosure (IEC 8) Insulation class (IEC 84-5): 55 Dust/Jetting Insulation class (IEC 85): F Isuilt-in motor protection: NONE Motor No: 85U05105	•	*	
Code for shaft seal:         HUUV           Approvals:         CE,EAC           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Waterials:         EN 1561 EN-GJL-200           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         ASTM A48-25B           Impeller:         AISI 304           Material code:         A           Impeller:         AISI 304           Material code:         A           Installation:         Image: Aising a steel and	9	• •	
Approvals: CE,EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Pump head: Cast iron Pump head: EN 1561 EN-GJL-200 Pump head: EN 1561 EN-GJL-200 Pump head: EN 1,4301 Impeller: Stainless steel Impeller: AISI 304 Material code: A Installation: Impeller: AISI 304 Material code: A Installation: Imax amb: 60 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 90 °C Type of connection: 1 1/4 inch Immersion depth: 520 mm Flange size for motor: FT100 Connect code: W Liquid: Pumped liquid: Water Liquid temperature range: -10 90 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 80C IE Efficiency class: IE3 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Suitable for 50/60 Hz: N Rated voltage: 3 x 220-240D/380-415Y V Rated current: 4.35/2.50 A Starting current: 450-500 % Cos phi - power factor: 82.7 % Motor efficiency at 1/2 load: 85.4 % Notor efficiency at 1/2 load: 85.4 % Nome Motor Potes: 2 Enclosure class (IEC 85): F Built-in motor protection: NONE Motor No: 85U05105	•		
Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Materials:         EN 1561 EN-GJL-200           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         EN 1,4301           Impeller:         EN 1,4301           Impeller:         A           Impeller:         A Iss 304           Material code:         A           Material code:         A           Maximum operating pressure:         25 bar / 90 °C           Maximum operating pressure:         25 bar / 90 °C           Type of connection:         G internal thread           Size of outlet connection:         1 1/4 inch           Immersion depth:         520 mm           Flange size for motor:         FT100           Connect code:         W           Liquid:         Water           Liquid temperature range: <t< td=""><td></td><td></td></t<>			
Pump version: A   Model: A   Materials:	• • •	•	
Model:         A           Materials:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         EN 1.4301           Impeller:         A ISI 304           Material code:         A           Installation:         Tread of C           Imax amb:         60 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 90 °C           Type of connection:         G internal thread           Size of outlet connection:         1 1/4 inch           Immersion depth:         520 mm           Flange size for motor:         FT100           Connect code:         W           Liquid:         Water           Liquid:         Water           Liquid:         Water           Liquid temperature range:         -10 90 °C           Selected liquid temperature:         20 °C           Density:         998.2 kg/m³           Electrical data:         Motor standard:           Motor standard:         IEC           Motor type:         80C           IE = f	<del></del>		
Materials:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         AISI 304           Material code:         A           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 90 °C           Type of connection:         G internal thread           Size of outlet connection:         FT100           Connect code:         W           Liquid:         Water <th< td=""><td>•</td><td></td></th<>	•		
Pump head:         Cast iron           Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         EN 1.4301           Impeller:         AISI 304           Material code:         A           Installation:         Impeller:           I max amb:         60 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 90 °C           Max pressure at stated temp:         25 bar / 90 °C           Max pressure at stated temp:         25 bar / 90 °C           Max pressure at stated temp:         25 bar / 90 °C           Max pressure at stated temp:         25 bar / 90 °C           Max pressure at stated temp:         25 bar / 90 °C           Impel divide connection:         11/4 inch           Ilmmersion depth:         520 mm           Flands         W           Liquid:         W           Liquid:         W           Liquid:         Water           Liquid:         Water           Liquid:         Water           Liquid:         Water           Liquid:         Water		Α	
Pump head:         EN 1561 EN-GJL-200           Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         EN 1.4301           Impeller:         A ISI 304           Material code:         A           Installation:         Impeller:           I max amb:         60 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 90 °C           Type of connection:         G internal thread           Size of outlet connection:         1 1/4 inch           Immersion depth:         520 mm           Flange size for motor:         FT100           Connect code:         W           Liquid:         Water           Pumped liquid:         Water           Liquid temperature range:         -10 90 °C           Selected liquid temperature:         20 °C           Density:         998.2 kg/m³           Electrical data:         Motor standard:         IEC           Motor type:         80C         IE           Electrical data:         IES         N           Motor standard:         IEC         No           Motor type:         80C <t< td=""><td></td><td></td></t<>			
Pump head:         ASTM A48-25B           Impeller:         Stainless steel           Impeller:         EN 1.4301           Impeller:         AISI 304           Material code:         A           Installation:         Impeller:           t max amb:         60 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 90 °C           Type of connection:         G internal thread           Size of outlet connection:         1 1/4 inch           Immersion depth:         520 mm           Flange size for motor:         FT100           Connect code:         W           Liquid:         Water           Pumped liquid:         Water           Liquid temperature range:         -10 90 °C           Selected liquid temperature:         20 °C           Density:         998.2 kg/m³           Electrical data:         Motor standard:           Motor standard:         IEC           Motor type:         80C           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N <td>Pump head:</td> <td>Cast iron</td>	Pump head:	Cast iron	
Impeller:	Pump head:	EN 1561 EN-GJL-200	
Impeller:	Pump head:	ASTM A48-25B	
Impeller:	Impeller:	Stainless steel	
Impeller:		EN 1.4301	
Material code: Installation: t max amb: t max amb: Max pressure at stated temp: Type of connection: Immersion depth: Flange size for motor: Connect code: Liquid: Pumped liquid: Pumped liquid temperature: Liquid temperature range: Selected liquid temperature: Density: Petertical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Mains frequency: Suitable for 50/60 Hz: Rated voltage: Rated speed: Starting current: Cos phi - power factor: Rated speed: Efficiency at 3/4 load: Motor efficiency at 1/2 load: Motor efficiency class: Reconstruction of the side of	Impeller:	AISI 304	
t max amb:  Maximum operating pressure:  Max pressure at stated temp:  Type of connection:  G internal thread  Size of outlet connection:  Inmersion depth:  Fange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Selected liquid temperature:  Density:  Bettrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Minable for 50/60 Hz:  Rated voltage:  Rated voltage:  Rated speed:  Starting current:  Cos phi - power factor:  Rated speed:  Efficiency at 3/4 load:  Motor efficiency at 1/2 load:  Motor efficiency at 1/2 load:  Motor No:  Monnel  Monnel  Monnel  Monnel  Monnel  Monnel  Monnel  Motor efficiency at 1/2 load:  Notor efficiency at 1/2 load:  Nonnel  Monnel	•	A	
t max amb:  Maximum operating pressure:  Max pressure at stated temp:  Type of connection:  G internal thread  Size of outlet connection:  Inmersion depth:  Fange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Selected liquid temperature:  Density:  Bettrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Minable for 50/60 Hz:  Rated voltage:  Rated voltage:  Rated speed:  Starting current:  Cos phi - power factor:  Rated speed:  Efficiency at 3/4 load:  Motor efficiency at 1/2 load:  Motor efficiency at 1/2 load:  Motor No:  Monnel  Monnel  Monnel  Monnel  Monnel  Monnel  Monnel  Motor efficiency at 1/2 load:  Notor efficiency at 1/2 load:  Nonnel  Monnel	Installation		
Maximum operating pressure:  Max pressure at stated temp: Type of connection:  G internal thread Size of outlet connection:  Immersion depth: Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range: Selected liquid temperature: Density:  Electrical data:  Motor standard:  Motor type:  IE Efficiency class: Rated power - P2:  Mains frequency: Suitable for 50/60 Hz:  Rated current:  Starting current: Cos phi - power factor: Rated speed: Efficiency at 3/4 load: Motor efficiency at 1/2 load: Notor No:  Motor N		60 °C	
Max pressure at stated temp: Type of connection: G internal thread Size of outlet connection: Immersion depth: Flange size for motor: Connect code: W Liquid: Pumped liquid: Uiquid temperature range: Selected liquid temperature: Density: Density: Biscolor of Solid High Solid			
Type of connection:  Size of outlet connection:  Inmersion depth:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Selected liquid temperature:  Density:  Electrical data:  Motor standard:  Motor type:  Befficiency:  Suitable for 50/60 Hz:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  Rated speed:  Efficiency at 3/4 load:  Motor efficiency at 1/2 load:  Motor efficiency at 1/2 load:  Motor efficiency at (IEC 34-5):  Insulation class (IEC 85):  Built-in motor protection:  Money Sundal thread  1 1/4 inch  Indeh  1 1/4 inch  Indeh  W  W  Liquid:  Water  Liquid:  Pumped  So C  Co po'C  Po'C  So pla:  So Jub/Jating  Insulation class (IEC 34-5):  Figure Liquid:  Name Liquid:  Name Liquid:  Name Liquid:  Liquid:  Name Liquid:  Liquid:  Liquid:  Pumped  Co o'C  Co po'C  C			
Size of outlet connection:         1 1/4 inch           Immersion depth:         520 mm           Flange size for motor:         FT100           Connect code:         W           Liquid:         Water           Pumped liquid:         Water           Liquid temperature range:         -10 90 °C           Selected liquid temperature:         20 °C           Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor standard:         IES           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at full load:         82.7 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles			
Immersion depth:   520 mm	31		
Flange size for motor:   FT100		,	
Connect code: W  Liquid: Pumped liquid: Water Liquid temperature range: -10 90 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: 80C IE Efficiency class: IE3 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Suitable for 50/60 Hz: N  Rated voltage: 3 x 220-240D/380-415Y V Rated current: 4.35/2.50 A Starting current: 450-500 % Cos phi - power factor: 0.83-0.76 Rated speed: 2840-2870 rpm Efficiency: IE3 82,7% Motor efficiency at full load: 82.7 % Motor efficiency at 1/2 load: 85.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Built-in motor protection: NONE Motor No: 85U05105	•		
Liquid:         Water           Liquid temperature range:         -10 90 °C           Selected liquid temperature:         20 °C           Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor type:         80C           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated voltage:         4.35/2.50 A           Starting current:         4.50-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7 %           Motor efficiency at 1/l load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105	9		
Pumped liquid: Liquid temperature range: Selected liquid temperature: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: Motor type: 80C IE Efficiency class: Rated power - P2: Mains frequency: Suitable for 50/60 Hz: N Rated voltage:  Rated current: 4.35/2.50 A Starting current: 5.50 D Starting current: 5.50 D Starting current: 6.50 D Starting c		W	
Liquid temperature range:  Selected liquid temperature:  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor type:  80C  IE Efficiency class:  Rated power - P2:  Mains frequency:  Suitable for 50/60 Hz:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  Rated speed:  Efficiency at full load:  Motor efficiency at 1/2 load:  Number of poles:  Enclosure class (IEC 34-5):  Built-in motor protection:  Motor efficiency  Motor efficiency  Motor No:  Elic 90 °C  20 Hz  30 N  40	1		
Selected liquid temperature:  Density:  Blectrical data:  Motor standard:  Motor type:  Befficiency class:  Rated power - P2:  Mains frequency:  Suitable for 50/60 Hz:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  Rated speed:  Efficiency at full load:  Motor efficiency at 1/2 load:  Number of poles:  Enclosure class (IEC 34-5):  Built-in motor protection:  Motor efficiency  Motor efficiency:  Motor No:  Selected liquid temperature:  20 °C  998.2 kg/m³  EEC  30			
Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor type:         80C           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at full load:         82.7 %           Motor efficiency at 3/4 load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105	Liquid temperature range:	-10 90 °C	
Electrical data:         IEC           Motor standard:         IEC           Motor type:         80C           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at full load:         82.7 %           Motor efficiency at 1/2 load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105	Selected liquid temperature:	20 °C	
Motor standard:         IEC           Motor type:         80C           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at 1/2 load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105	Density:	998.2 kg/m³	
Motor type:         80C           IE Efficiency class:         IE3           Rated power - P2:         1.1 kW           Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at full load:         82.7 %           Motor efficiency at 3/4 load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105	Electrical data:		
IE Efficiency class:	Motor standard:	IEC	
Rated power - P2:       1.1 kW         Mains frequency:       50 Hz         Suitable for 50/60 Hz:       N         Rated voltage:       3 x 220-240D/380-415Y V         Rated current:       4.35/2.50 A         Starting current:       450-500 %         Cos phi - power factor:       0.83-0.76         Rated speed:       2840-2870 rpm         Efficiency:       IE3 82,7%         Motor efficiency at full load:       82.7 %         Motor efficiency at 3/4 load:       84.6 %         Motor efficiency at 1/2 load:       85.4 %         Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Built-in motor protection:       NONE         Motor No:       85U05105	Motor type:	80C	
Rated power - P2:       1.1 kW         Mains frequency:       50 Hz         Suitable for 50/60 Hz:       N         Rated voltage:       3 x 220-240D/380-415Y V         Rated current:       4.35/2.50 A         Starting current:       450-500 %         Cos phi - power factor:       0.83-0.76         Rated speed:       2840-2870 rpm         Efficiency:       IE3 82,7%         Motor efficiency at full load:       82.7 %         Motor efficiency at 3/4 load:       84.6 %         Motor efficiency at 1/2 load:       85.4 %         Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Built-in motor protection:       NONE         Motor No:       85U05105	IE Efficiency class:	IE3	
Mains frequency:         50 Hz           Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at full load:         82.7 %           Motor efficiency at 3/4 load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105		1.1 kW	
Suitable for 50/60 Hz:         N           Rated voltage:         3 x 220-240D/380-415Y           Rated current:         4.35/2.50 A           Starting current:         450-500 %           Cos phi - power factor:         0.83-0.76           Rated speed:         2840-2870 rpm           Efficiency:         IE3 82,7%           Motor efficiency at full load:         82.7 %           Motor efficiency at 3/4 load:         84.6 %           Motor efficiency at 1/2 load:         85.4 %           Number of poles:         2           Enclosure class (IEC 34-5):         55 Dust/Jetting           Insulation class (IEC 85):         F           Built-in motor protection:         NONE           Motor No:         85U05105	·	50 Hz	
Rated voltage:       3 x 220-240D/380-415Y         Rated current:       4.35/2.50 A         Starting current:       450-500 %         Cos phi - power factor:       0.83-0.76         Rated speed:       2840-2870 rpm         Efficiency:       IE3 82,7%         Motor efficiency at full load:       82.7 %         Motor efficiency at 3/4 load:       84.6 %         Motor efficiency at 1/2 load:       85.4 %         Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Built-in motor protection:       NONE         Motor No:       85U05105		N	
Starting current:       450-500 %         Cos phi - power factor:       0.83-0.76         Rated speed:       2840-2870 rpm         Efficiency:       IE3 82,7%         Motor efficiency at full load:       82.7 %         Motor efficiency at 3/4 load:       84.6 %         Motor efficiency at 1/2 load:       85.4 %         Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Built-in motor protection:       NONE         Motor No:       85U05105			
Starting current:       450-500 %         Cos phi - power factor:       0.83-0.76         Rated speed:       2840-2870 rpm         Efficiency:       IE3 82,7%         Motor efficiency at full load:       82.7 %         Motor efficiency at 3/4 load:       84.6 %         Motor efficiency at 1/2 load:       85.4 %         Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Built-in motor protection:       NONE         Motor No:       85U05105	Rated current:	4 35/2 50 A	
Cos phi - power factor:  Rated speed:  Efficiency:  IE3 82,7%  Motor efficiency at full load:  Motor efficiency at 1/2 load:  Number of poles:  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  Motor No:  Say 10.83-0.76  Rated speed:  2840-2870 rpm  82.7 %  84.6 %  84.6 %  85.4 %  Number of poles:  2  Enclosure class (IEC 34-5):  F  Built-in motor protection:  NONE  Motor No:  85U05105			
Rated speed: 2840-2870 rpm  Efficiency: IE3 82,7%  Motor efficiency at full load: 82.7 %  Motor efficiency at 3/4 load: 84.6 %  Motor efficiency at 1/2 load: 85.4 %  Number of poles: 2  Enclosure class (IEC 34-5): 55 Dust/Jetting  Insulation class (IEC 85): F  Built-in motor protection: NONE  Motor No: 85U05105	3		
Efficiency:  Motor efficiency at full load:  Motor efficiency at 3/4 load:  Motor efficiency at 1/2 load:  Number of poles:  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  Built-in motor protection:  Motor No:  Example 182,7%  84.6 %  85.4 %  Number of poles:  2  Enclosure class (IEC 34-5):  F  Built-in motor protection:  NONE			
Motor efficiency at full load:  Motor efficiency at 3/4 load:  Motor efficiency at 1/2 load:  Number of poles:  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  Built-in motor protection:  Mone			
Motor efficiency at 3/4 load:  Motor efficiency at 1/2 load:  84.6 %  Motor efficiency at 1/2 load:  85.4 %  Number of poles:  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  Built-in motor protection:  Mone  Motor No:  85U05105	•	,	
Motor efficiency at 1/2 load: 85.4 %  Number of poles: 2  Enclosure class (IEC 34-5): 55 Dust/Jetting  Insulation class (IEC 85): F  Built-in motor protection: NONE  Motor No: 85U05105			
Number of poles:  Enclosure class (IEC 34-5):  Insulation class (IEC 85):  Built-in motor protection:  Motor No:  2  55 Dust/Jetting  F  NONE  85U05105	-		
Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Built-in motor protection: NONE Motor No: 85U05105	-	85.4 %	
Insulation class (IEC 85): F Built-in motor protection: NONE Motor No: 85U05105		2	
Built-in motor protection:  MonE  Motor No:  85U05105	Enclosure class (IEC 34-5):	55 Dust/Jetting	
Motor No: 85U05105	Insulation class (IEC 85):	F	
	Built-in motor protection:	NONE	
Controls:	Motor No:	85U05105	
	Controls:		

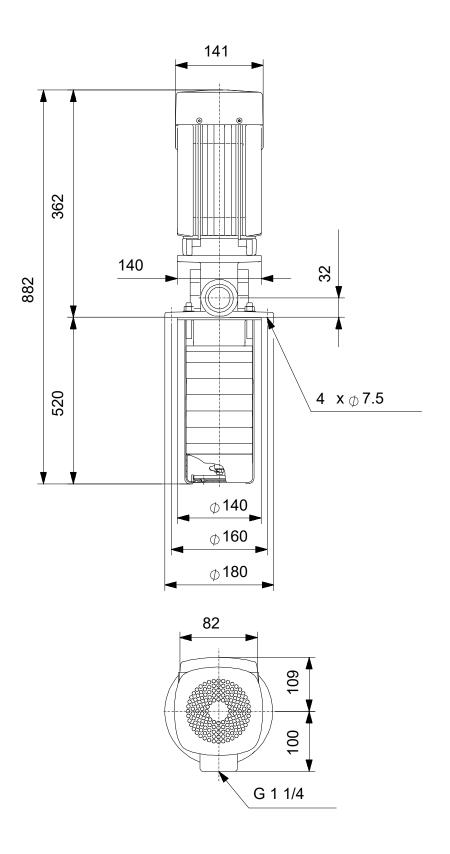






Description	Value
Frequency converter:	NONE
Others:	
Terminal box position:	6
Minimum efficiency index, MEI ≥:	0.70
Net weight:	17.1 kg
Gross weight:	20.7 kg
Shipping volume:	0.077 m³
Danish VVS No.:	386961022
Country of origin:	HU
Custom tariff no.:	84137075

## On request MTR 1-22/22 A-W-A-HUUV 50 Hz



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

## On request MTR 1-22/22 A-W-A-HUUV 50 Hz **HIGH VOLTAGE DIRECTION OF ROTATION** LOW VOLTAGE **DIRECTION OF ROTATION** Note! All units are in [mm] unless others are stated.

	Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total			
		MTR 1-22/22	1	On request	Price on request			
					request			
			<u> </u>					