

Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:
REPRESENTATIVE:	TYPE OF SERVICE:	
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:
	ORDER NO.:	DATE:

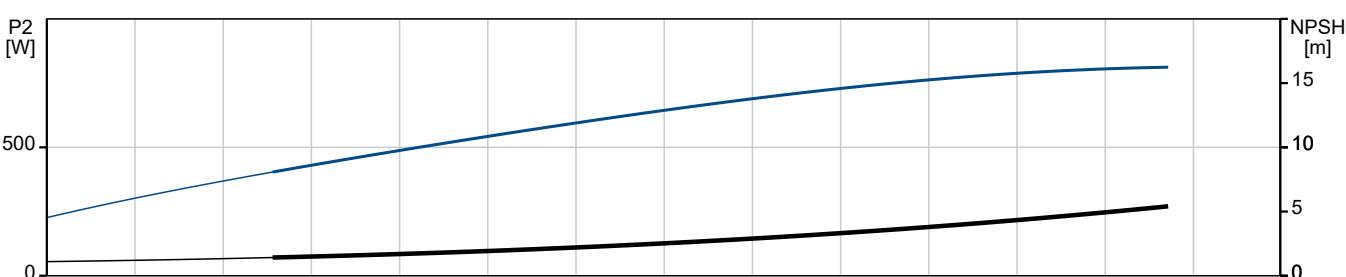
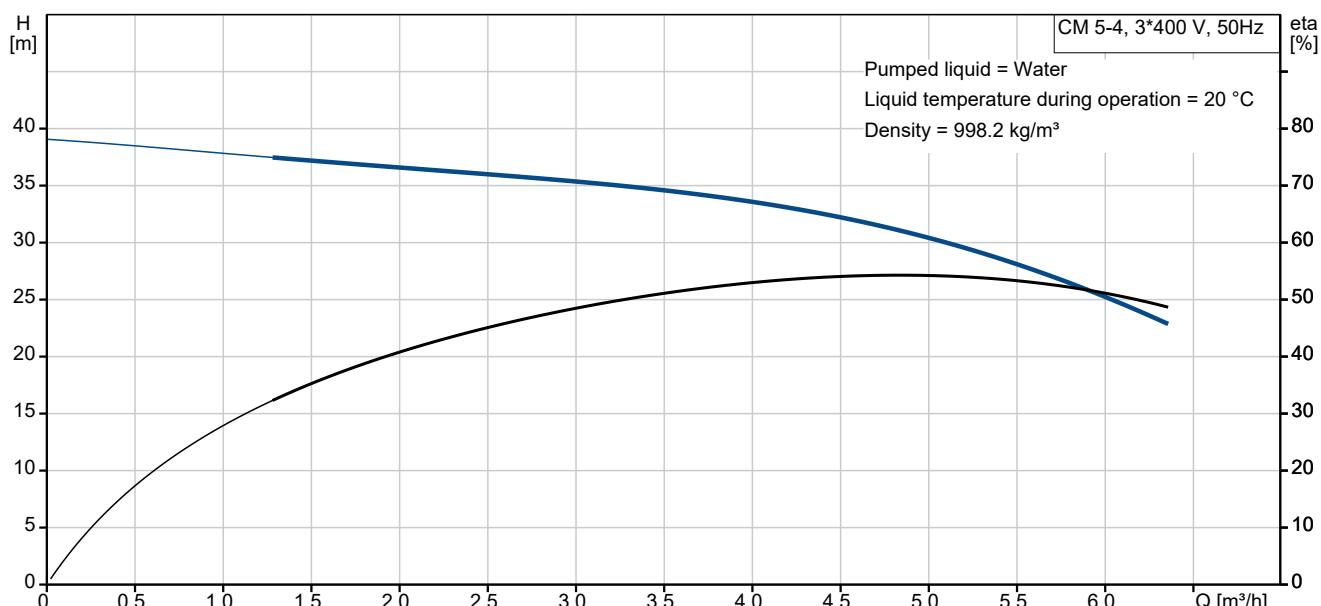


CM 5-4 A-R-A-E-AQQE F-A-A-N

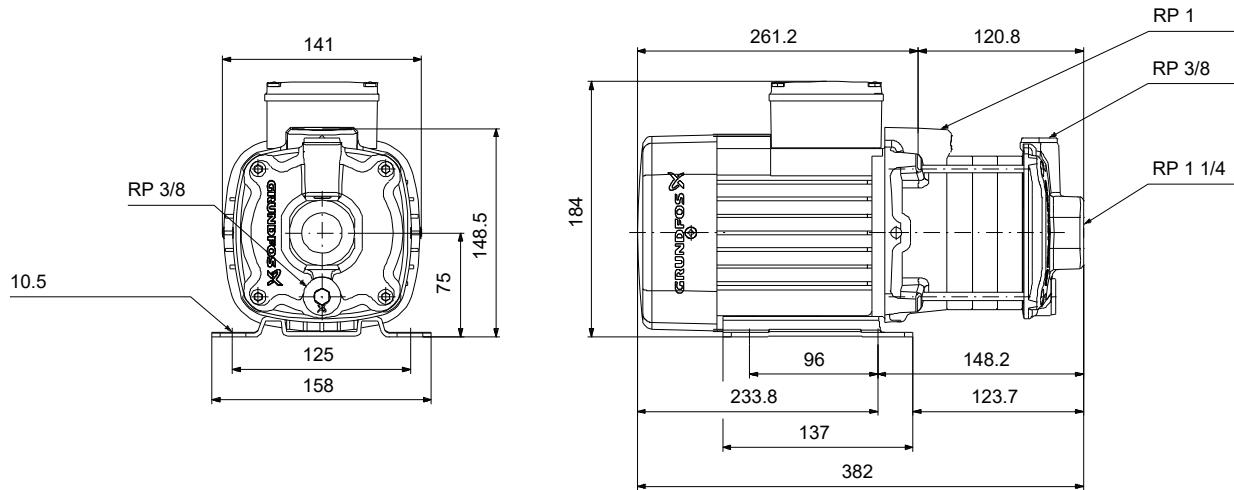
CM is a reliable, quiet and compact horizontal end-suction pump. The modular pump design makes it easy to make customised solutions. CM is available in cast iron and stainless steel.

Note! Product picture may differ from actual product

Conditions of Service	Pump Data	Motor Data
Liquid: Water	Max pressure at stated temp: 10 bar / 90 °C	Mains frequency: 50 Hz
Temperature: 20 °C	Liquid temperature range: -20 .. 90 °C	Enclosure class: IP55
Specific Gravity: 1.000	Maximum ambient temperature: 55 °C	
	Shaft seal: AQQE	
	Product number: On request	



Submittal Data

**Materials:**

Pump housing: Cast iron
ASTM A48-25A
Impeller: Stainless steel
AISI 304
EN 1.4301
Material code: A
Code for rubber: E



Company name:

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Qty.	Description
1	<p>CM 5-4 A-R-A-E-AQQE F-A-A-N</p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: On request</p> <p>Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. The shaft, impellers and chambers are made of stainless steel. The inlet and discharge parts are made of cast iron. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal Whitworth pipe threads, Rp (ISO 7/1).</p> <p>The pump is fitted with a 3-phase, foot-mounted, fan-cooled asynchronous motor.</p> <p>Further product details</p> <p>Pump and motor are integrated in a compact and user-friendly design. The pump is fitted to a low base plate, making it ideal for installation in systems where compactness is important.</p> <p>The state-of-the-art design and materials of the shaft seal ensure high wear resistance, improved sticking and dry-running capabilities and long operating life.</p> <p>Servicing the pump requires no special service tools. Service parts are in stock for quick delivery and are available as kits, single parts or bulk. Service videos are available on www.youtube.com.</p> <p>Pump</p> <p>A combination of a stop ring and a Nord-lock® washer secures a tight and reliable fixation of the impeller spacing pipes to the splined pump shaft. It is possible to remove and fit the hydraulic parts from the pump side. The inlet part, chambers and discharge part are held together by four staybolts.</p> <p>The pump is fitted with an unbalanced O-ring seal with a rigid torque-transmission system. It has a fixed seal driver ensuring a reliable rotation of all parts. The dynamic secondary seal is an O-ring.</p> <p>Seal faces:</p> <ul style="list-style-type: none">• Rotating seal ring material: silicon carbide (SiC)• Stationary seat material: silicon carbide (SiC) <p>This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.</p> <p>Secondary seal material: EPDM (ethylene-propylene rubber)</p> <p>EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.</p>  <p>The pump shaft is connected to the motor shaft through a left thread and tight fit. The shaft cannot be dismantled.</p> <p>Motor</p> <p>The motor is a totally enclosed, fan-cooled motor with principal dimensions to EN 50347. Electrical tolerances comply with EN 60034.</p>



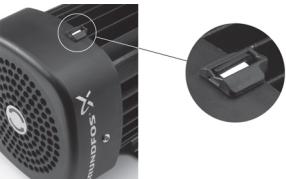
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Qty.	Description
1	<p>The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1. An installation indicator is fitted to the motor fan cover. Based on the motor cooling air, it indicates the direction of rotation of the motor. The motor is fitted with a directional sticker.</p> 

Technical data

Controls:

Terminal box position: 12

Frequency converter: None

Liquid:

Pumped liquid: Water

Liquid temperature range: -20 .. 90 °C

Selected liquid temperature: 20 °C

Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2900 rpm

Rated flow: 4.7 m³/h

Rated head: 30.69 m

Primary shaft seal: AQQE

Code for shaft seal: AQQE

Approvals: CE,EAC,UKCA

Approvals for drinking water: WRAS,ACS,NSF61

Curve tolerance: ISO9906:2012 3B

Materials:

Type key, code for materials: A

Type key, code for rubber components. E = EPDM, V=FKM: E

Pump housing: Cast iron

EN-GJL-200

ASTM A48-25A

Impeller: Stainless steel

EN 1.4301

AISI 304

Installation:

Range of ambient temperature: -20 .. 55 °C

Maximum operating pressure: 10 bar

Max pressure at stated temp: 10 bar / 90 °C

Type of connection: Rp

Size of inlet connection: 1 1/4 inch

Size of outlet connection: 1 inch



Company name:

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Qty.	Description
1	Terminal box position: 12 Outlet position: 12 Electrical data: Motor standard: IEC Frame size: 80C IE efficiency class: IE3 Rated power - P2: 1.1 kW Mains frequency: 50 Hz Suitable for 50/60 Hz (Yes/No): N Rated voltage: 3 x 220-240D/380-415Y V Service factor: 1.00 Rated current: 4,4-4,5/2,55-2,6 A Starting current: 720-780 % Rated speed: 2830-2860 rpm Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Ex-protection standard: NONE Cable included (Yes/No): N Others: Minimum efficiency index, MEI ≥: 0.7 Net weight: 15.3 kg Gross weight: 17.8 kg Danish VVS No.: 385212054 Finnish LVI No.: 4925748 Country of origin: HU Custom tariff no.: 84137075



Company name:

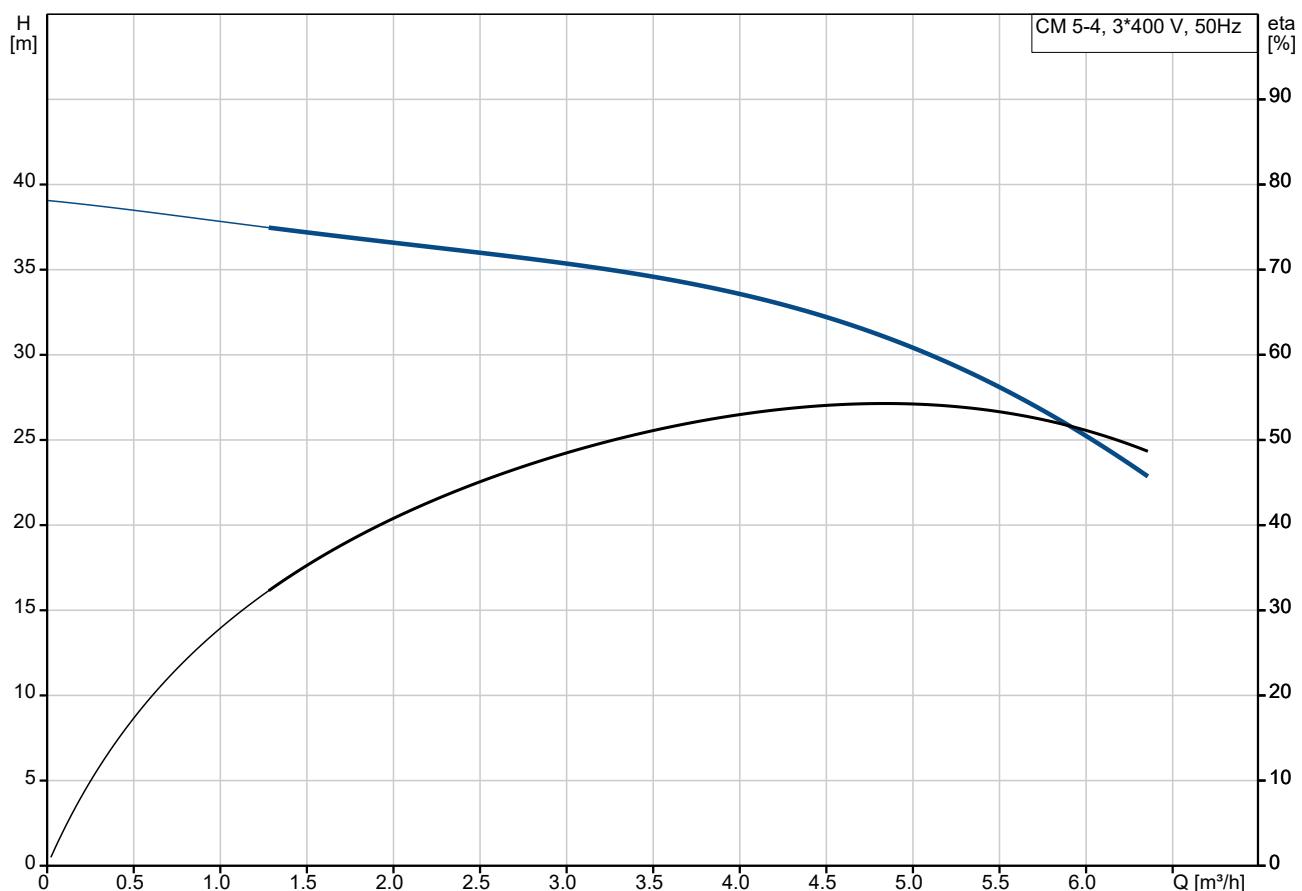
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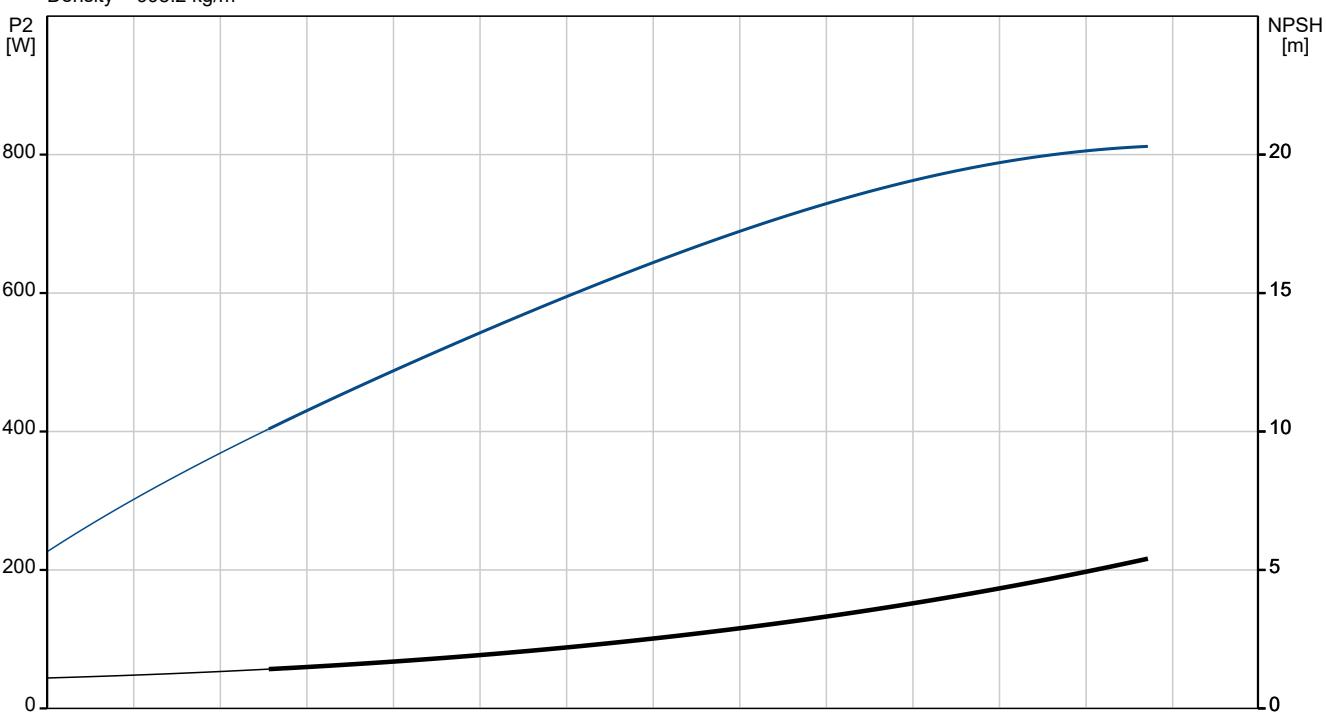
On request CM 5-4 A-R-A-E-AQQE F-A-A-N 50 Hz



Pumped liquid = Water

Liquid temperature during operation = 20 °C

Density = 998.2 kg/m³





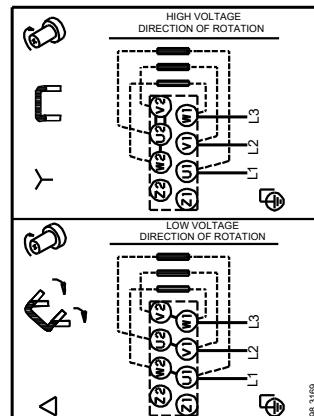
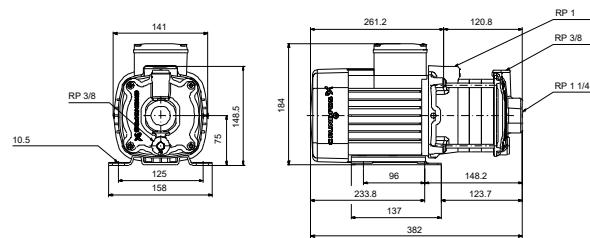
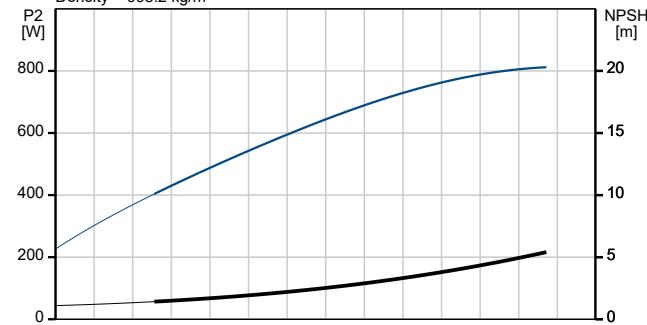
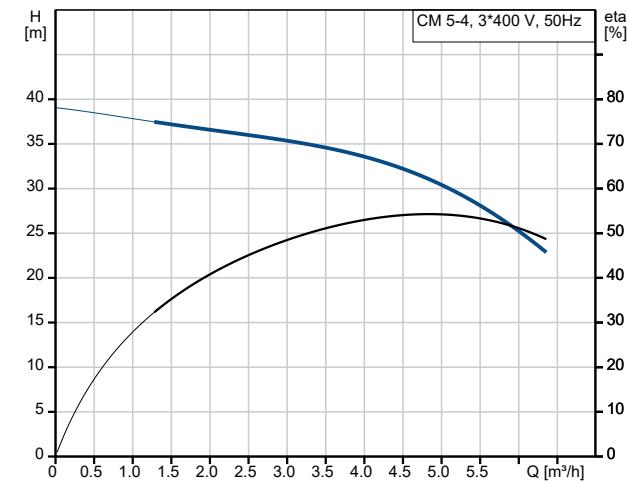
Company name:

Created by:

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Date: 11/01/2026

Description	Value
General information:	
Product name:	CM 5-4 A-R-A-E-AQQE F-A-A-N
Product No:	On request
EAN number:	On request
Technical:	
Pump speed on which pump data are based:	2900 rpm
Rated flow:	4.7 m ³ /h
Rated head:	30.69 m
Impellers:	4
Primary shaft seal:	AQQE
Code for shaft seal:	AQQE
Approvals:	CE,EAC,UKCA
Approvals for drinking water:	WRAS,ACS,NSF61
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Type key, code for materials:	A
Type key, code for rubber components. E = EPDM, V=FKM:	E
Pump housing:	Cast iron EN-GJL-200 ASTM A48-25A
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	E
Installation:	
Range of ambient temperature:	-20 .. 55 °C
Maximum operating pressure:	10 bar
Max pressure at stated temp:	10 bar / 90 °C
Type key, code for pipework connection:	R
Type of connection:	Rp
Size of inlet connection:	1 1/4 inch
Size of outlet connection:	1 inch
Terminal box position:	12
Outlet position:	12
Connect code:	R
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Frame size:	80C
IE efficiency class:	IE3
Rated power - P2:	1.1 kW
Mains frequency:	50 Hz
Suitable for 50/60 Hz (Yes/No):	N
Rated voltage:	3 x 220-240D/380-415Y V
Service factor:	1.00
Rated current:	4.4-4.5/2.55-2.6 A
Starting current:	720-780 %





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Description	Value
Rated speed:	2830-2860 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Ex-protection standard:	NONE
Cable included (Yes/No):	N
Controls:	
Terminal box position:	12
Frequency converter:	None
Others:	
Minimum efficiency index, MEI ≥:	0.7
Net weight:	15.3 kg
Gross weight:	17.8 kg
Danish VVS No.:	385212054
Finnish LVI No.:	4925748
Country of origin:	HU
Custom tariff no.:	84137075



Company name:

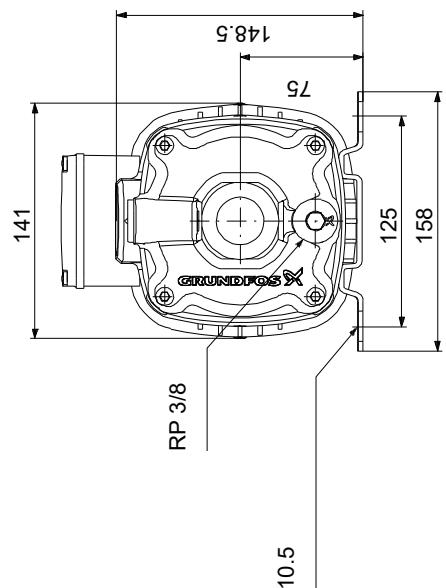
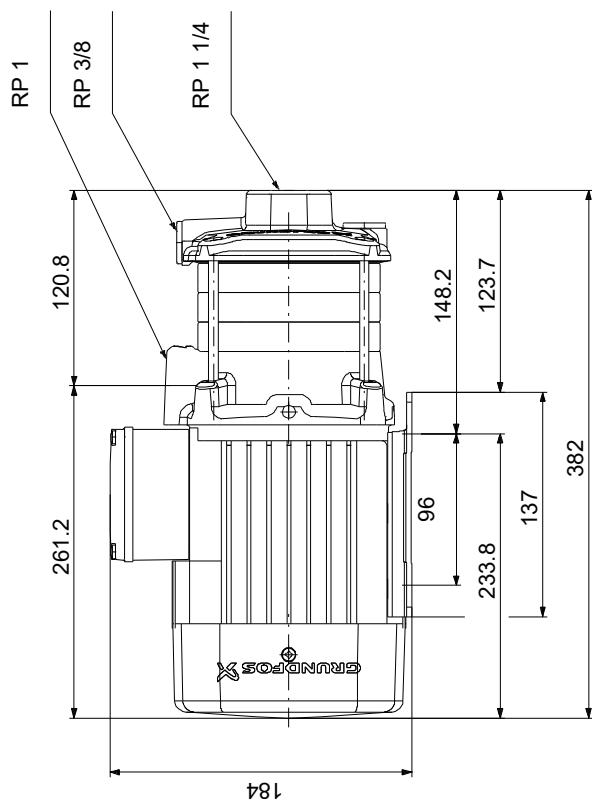
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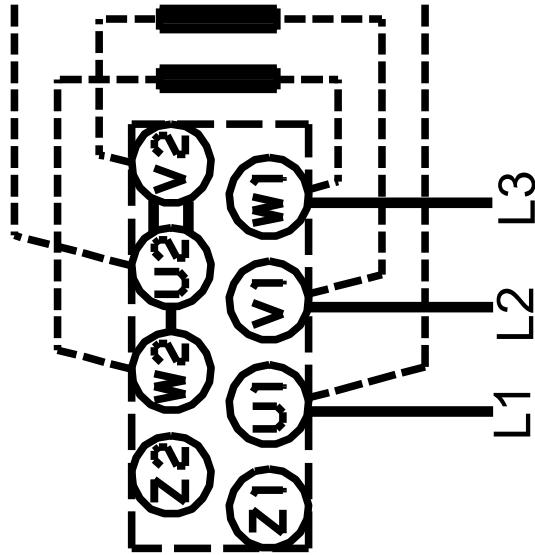
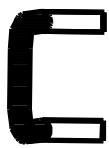
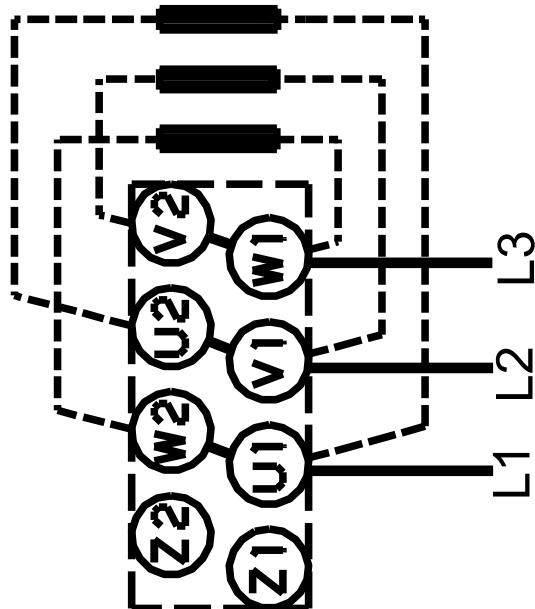
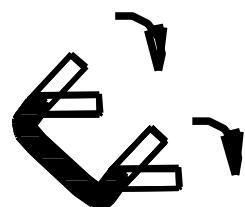
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On request CM 5-4 A-R-A-E-AQQE F-A-A-N 50 Hz



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

On request CM 5-4 A-R-A-E-AQQE F-A-A-N 50 Hz**HIGH VOLTAGE
DIRECTION OF ROTATION****LOW VOLTAGE
DIRECTION OF ROTATION**

98.3169

Note! All units are in [mm] unless others are stated.



Company name:

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Phone:

Date:

11/01/2026

Order Data:

Position	Your pos.	Product name	Amount	Product No	Total
		CM 5-4 A-R-A-E-AQQE F-A-A-N	1	On request	