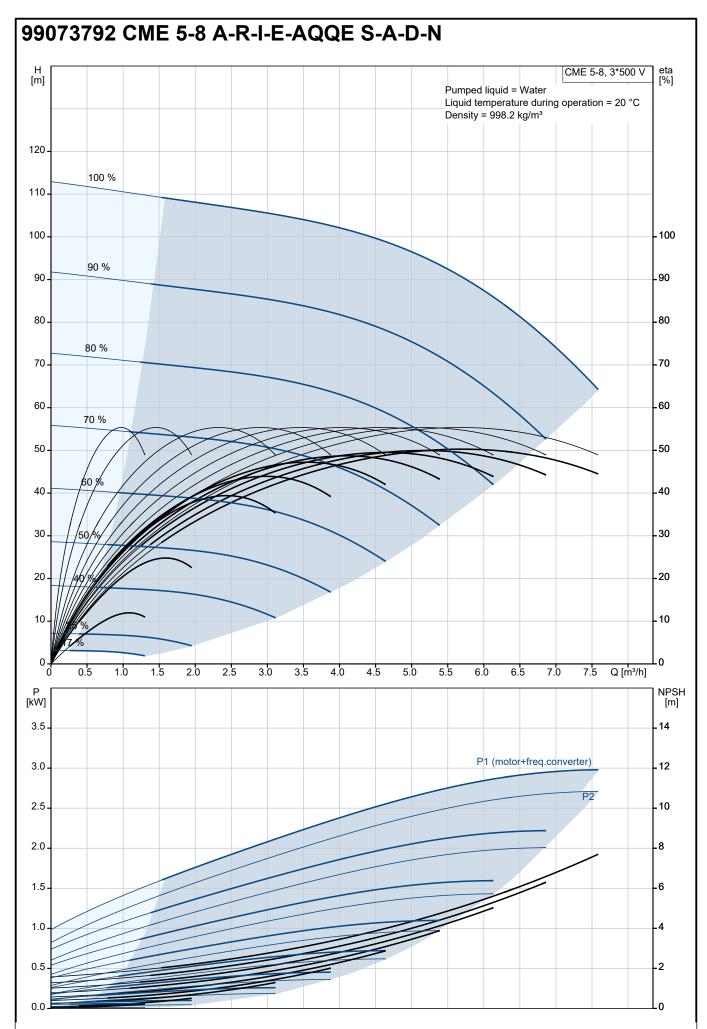
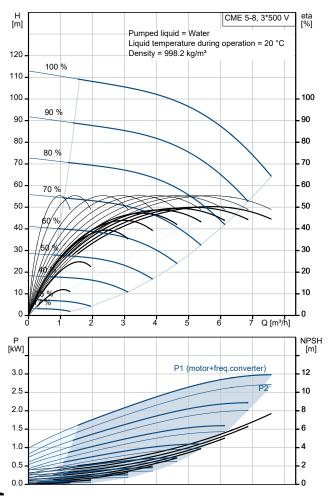
<b>O</b> <sup>1</sup>	
Qty.	Description
1	CME 5-8 A-R-I-E-AQQE S-A-D-N
	Product No.: 99073792
	Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge
	port. Pump materials in contact with the liquid are in stainless steel. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal Whitworth pipe threads, Rp (ISO 7/1).
	The pump is fitted with a 3-phase, fan-cooled, permanent-magnet, synchronous motor.
	The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.
	The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously
	variable control of the motor speed, which again enables adaptation of the performance to a given requirement.
	An operating papel on the motor terminal here enables patting of required entraint on well as patting of required to the line of the second se
	An operating panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The Grundfos Eye indicator on the operating panel provides visual indication of
	pump status:
	• "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights)
	• "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow indicator
	lights)
	"Alarm": Motor has stopped (flashing red indicator lights). Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control
	enables further settings as well as reading out of a number of parameters such as "Actual value". "Speed". "Power
	input" and total "Power consumption".
	The terminal box holds terminals for these connections:
	- one dedicated digital input
	- two analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V
	<ul> <li>5 V voltage supply to potentiometer and sensor</li> <li>one configurable digital input or open-collector output</li> </ul>
	- Grundfos Digital Sensor input and output
	- 24 V voltage supply for sensors
	- two signal-relay outputs (potential-free contacts)
	- GENIbus connection
	- interface for Grundfos CIM fieldbus module.
	Further product details
	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.
	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.
	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.
	Frequency convertor energion offers these functions:
	Frequency converter operation offers these functions:         - controlled operation, i.e. consumption flucturates
	- constant pressure
	- communication with the pump.
	Adaption of performance through frequency-controlled speed offers obvious benefits such as:
	- energy savings
	- increased comfort
	- control and monitoring of the application and pump performance.
	An operating panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The Grundfos Eye indicator on the operating panel provides visual indication of
	pump status:
	•

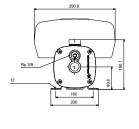
Qty.	Description					
1	"Power on": Motor is runn	ing (rotating green indicator lights) or not running (permanently green indicator lights)				
	<ul> <li>"Warning": Motor is still ru lights)</li> </ul>	nning (rotating yellow indicator lights) or has stopped (permanently yellow indicator				
	<ul> <li>"Alarm": Motor has stopped (flashing red indicator lights).</li> <li>Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".</li> </ul>					
	Pump					
	pipes to the splined pump shaft.	a Nord-lock® washer secures a tight and reliable fixation of the impeller spacing It is possible to remove and fit the hydraulic parts from the pump side. The inlet and ump sleeve. The inlet part, chambers and discharge part are hold together by four				
	ensuring a reliable rotation of all	nced O-ring seal with a rigid torque-transmission system. It has a fixed seal driver parts. The dynamic secondary seal is an O-ring.				
	<ul> <li>Seal faces:</li> <li>Rotating seal ring materia</li> <li>Stationary seat material: s</li> <li>This material pairing is used whe offers good resistance against ab</li> </ul>	ilicon carbide (SiC) re higher corrosion resistance is required. The high hardness of this material pairing				
	Secondary seal material: EPDM EPDM has excellent resistance to					
	EPDM has excellent resistance to					
		he motor shaft through a left thread and tight fit. The shaft cannot be dismantled.				
	<b>Motor</b> The motor is a totally enclosed, fan-cooled motor with principal dimensions to EN 50347. Electrical tolerances comply with EN 60034.					
	The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2. The motor requires no external motor protection. The motor control unit incorporates protection against slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.					
	<ul> <li>one dedicated digital input</li> <li>two analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V</li> <li>5 V voltage supply to potentiometer and sensor</li> <li>one configurable digital input or open collector output</li> </ul>					
<ul> <li>one configurable digital input or open-collector output</li> <li>Grundfos Digital Sensor input and output</li> </ul>						
	<ul> <li>24 V voltage supply for se</li> </ul>					
	<ul> <li>two signal-relay outputs (placeholder)</li> </ul>	ootential-free contacts)				
	- GENIbus connection					
	<ul> <li>interface for Grundfos CIN</li> <li>Technical data</li> </ul>	i fielabus module.				
	Controlo					
	Controls: Frequency converter:	Built-in				
	Liquid:					
	Pumped liquid:	Water				
	Liquid temperature range:	-20 90 °C				
	Selected liquid temperature: Density:	20 °C 998.2 kg/m³				
	Technical:					
	Pump speed on which pump data	a are based: 3480 rpm				
	Rated flow:	5.64 m³/h				
	Rated head:	89.85 m				
	Code for shaft seal:	AQQE				

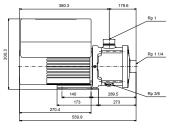
Qty.	Description	
1	Approvals and markings: Approvals for drinking water:	CE,EAC,CURUS,UKCA WRAS,ACS,UBA
	Curve tolerance:	ISO9906:2012 3B
	Materials:	
	Pump housing:	Stainless steel EN 1.4301
	Impeller:	AISI 304 Stainless steel
		EN 1.4301 AISI 304
	Installation:	
	Range of ambient temperature: Maximum operating pressure:	-20 55 °C 16 bar
	Max pressure at stated temp:	16 bar / 90 °C 16 bar / 90 °C
	Type of connection:	Rp
	Size of inlet connection:	1 1/4 inch
	Size of outlet connection: Outlet position:	1 inch 12
	Electrical data:	
	Motor standard:	IEC
	Frame size:	100A 3 kW
	Rated power - P2: Mains frequency:	50 / 60 Hz
	Suitable for 50/60 Hz:	Y
	Rated voltage: Rated current:	3 x 380-500 V 5.80-4.80 A
	Rated speed:	360-4000 rpm
	Enclosure class (IEC 34-5):	IP55
	Insulation class (IEC 85):	F
	Others:	
	Terminal box position: Minimum efficiency index, MEI ≥:	12
	Net weight:	29.9 kg
	Gross weight:	33.4 kg
	Country of origin: Custom tariff no.:	HU 84137075
		64157075

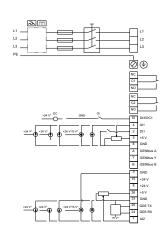


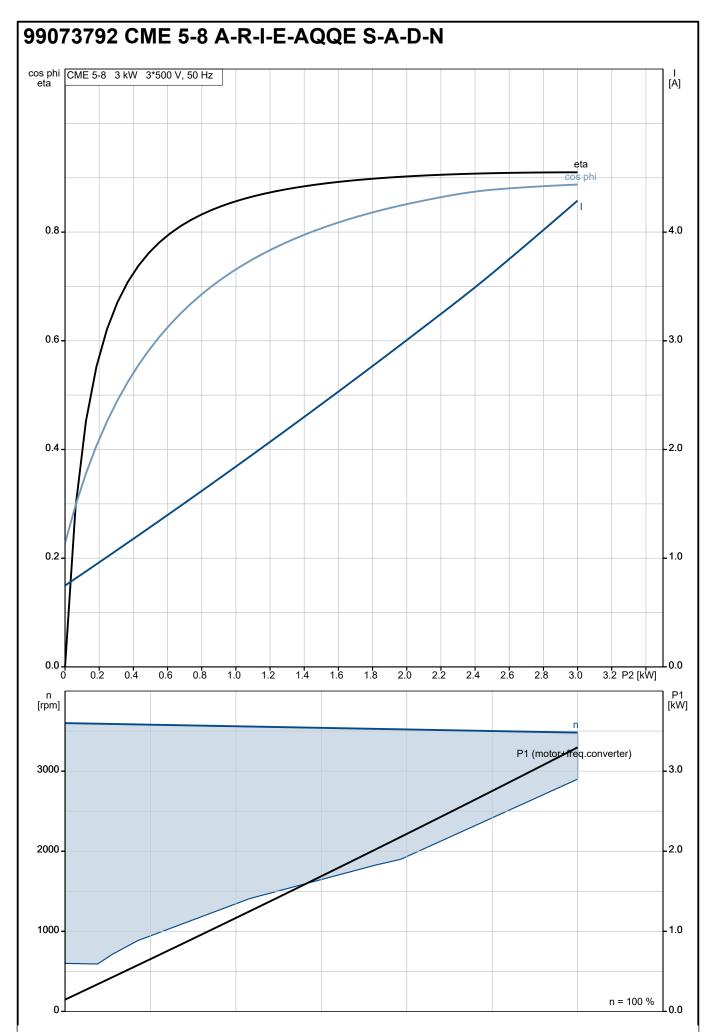
Description	Value
General information:	
Product name:	CME 5-8 A-R-I-E-AQQE S-A-D-N
Product No:	99073792
EAN number:	5712606234790
Technical:	
Pump speed on which pump data are based:	3480 rpm
Rated flow:	5.64 m³/h
Rated head:	89.85 m
Impellers:	8
Code for shaft seal:	AQQE
Approvals and markings:	CE,EAC,CURUS,UKCA
Approvals for drinking water:	WRAS,ACS,UBA
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
The first model is called A which is followed by model B, C etc.:	A
Materials:	
Pump housing:	Stainless steel
Pump housing:	EN 1.4301
Pump housing:	AISI 304
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Material code:	1
Code for rubber:	E
Installation:	
Range of ambient temperature:	-20 55 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 90 °C
Max pressure at stated temp:	16 bar / 90 °C
Type of connection:	Rp
Size of inlet connection: Size of outlet connection:	1 1/4 inch 1 inch
	112
Outlet position: Connect code:	R
Liquid:	R
•	Water
Pumped liquid: Liquid temperature range:	-20 90 °C
	-20 90 °C
Selected liquid temperature: Density:	998.2 kg/m <sup>3</sup>
Electrical data:	990.2 kg/m
Motor standard:	IEC
Frame size:	100A
Rated power - P2:	3 kW
Mains frequency:	50 / 60 Hz
Suitable for 50/60 Hz:	Y
Rated voltage:	3 x 380-500 V
Rated current:	5.80-4.80 A
Rated speed:	360-4000 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Controls:	
Frequency converter:	Built-in
Others:	
Terminal box position:	12
Minimum efficiency index, MEI ≥:	0.7
Net weight:	29.9 kg
Gross weight:	33.4 kg
Country of origin:	HU
Custom tariff no.:	84137075



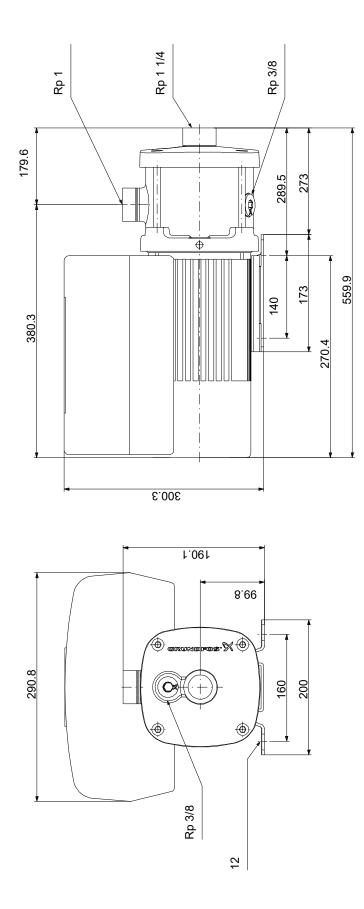




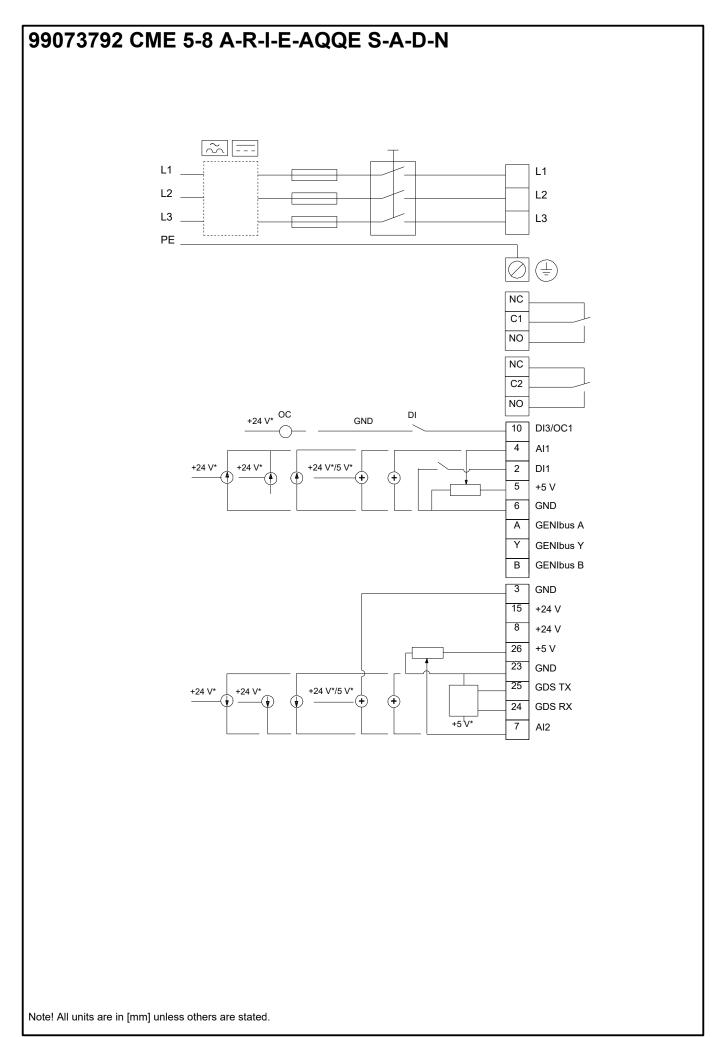




## 99073792 CME 5-8 A-R-I-E-AQQE S-A-D-N



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



		Order Da		-	
Position	Your pos.	Product name	Amount	Product No	Total
		CME 5-8	1	99073792	Price o reques
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