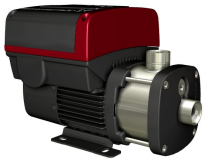
Company name:
Created by:
Phone:

Date: 24/04/2018

Position	Qty.	Description
	1	**CME1-3 A-R-G-E-AQQE**



Product No.: 98394758

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 high-grade 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 1-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.

A control 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 control 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 the 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
- 5 V voltage supply to potentiometer and sensor
- one configurable digital input or open-collector output
- 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.

Liquid:

Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³

Technical:

Speed for pump data:	3480 rpm
Rated flow:	2 m³/h
Rated head:	26.2 m

GRUNDFOS

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Position	Qty.	Description	
		Primary shaft seal:	AQQE
		Approvals on nameplate:	CE,TR,CURUS,EAC
		Curve tolerance:	ISO9906:2012 3B
		Materials:	
		Pump housing:	Stainless steel
			DIN W.-Nr. 1.4401
			AISI 316
		Impeller:	Stainless steel
			DIN W.-Nr. 1.4401
			AISI 316
		Rubber:	EPDM
		Installation:	
		Maximum ambient temperature:	40 °C
		Maximum operating pressure:	16 bar
		Max pressure at stated temp:	10 bar / 120 °C
			16 bar / 90 °C
		Flange standard:	WHITWORTH THREAD RP
		Pump inlet:	Rp 1
		Pump outlet:	Rp 1
		Electrical data:	
		Motor type:	71A
		IE Efficiency class:	IE5
		Rated power - P2:	0.55 kW
		Mains frequency:	50 Hz
		Rated voltage:	1 x 200-240 V
		Rated current:	3,45-2,90 A
		Rated speed:	360-4000 rpm
		Enclosure class (IEC 34-5):	IP55
		Insulation class (IEC 85):	F
		Others:	
		Minimum efficiency index, MEI ≥:	0,68
		Net weight:	13.6 kg
		Gross weight:	17.1 kg
		Country of origin:	HU
		Custom tariff no.:	84137075

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Company name:
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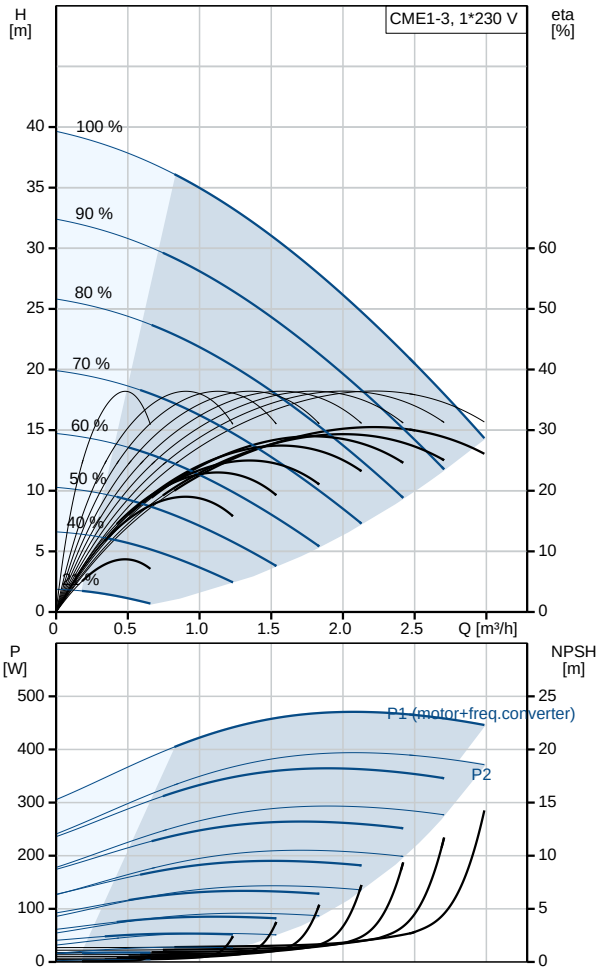
Date: 24/04/2018

Description	Value
General information:	
Product name:	CME1-3 A-R-G-E-AQQE
Product No:	98394758
EAN number:	5711494277643
Technical:	
Speed for pump data:	3480 rpm
Rated flow:	2 m³/h
Rated head:	26.2 m
Impellers:	3
Primary shaft seal:	AQQE
Approvals on nameplate:	CE,TR,CURUS,EAC
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Pump housing:	Stainless steel
	DIN W.-Nr. 1.4401
	AISI 316
Impeller:	Stainless steel
	DIN W.-Nr. 1.4401
	AISI 316
Material code:	G
Rubber:	EPDM
Code for rubber:	E
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	10 bar / 120 °C
	16 bar / 90 °C
Flange standard:	WHITWORTH THREAD RP
Connect code:	R
Pump inlet:	Rp 1
Pump outlet:	Rp 1
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	71A
IE Efficiency class:	IE5
Rated power - P2:	0.55 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 200-240 V
Rated current:	3,45-2,90 A
Rated speed:	360-4000 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Others:	
Minimum efficiency index, MEI ≥:	0,68
Net weight:	13.6 kg
Gross weight:	17.1 kg
Config. file no:	98498325
Country of origin:	HU
Custom tariff no.:	84137075