CRE32-2 AN-F-A-E-HQQE 3x380-500 60 HZ

Grundfos Pump 99071959

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https://www.lenntech.com/grundfos/CRE32/99071959/CRE-32-2-AN-F-A-E-HQQE.html

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Position	Qty.	Description
	1	**CRE 32-2 AN-F-A-E-HQQE**

Product No.: 99071959
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.

The pump has the following characteristics:
- Impellers and intermediate chambers are made of
- The shaft seal has assembly length according to EN 12756.
- Power transmission is via cast iron split coupling.

The pump is fitted with an IEC-flanged three-phase MGE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required as both motor and electronics are protected by integrated overload and temperature protection.

The pump is equipped with a pressure transmitter registering pump discharge pressure and enabling controlled pump operation based on constant pressure.

A control panel enables setting of required setpoint as well as setting of pump to MIN or MAX operation or to STOP. The control panel has indicator lights for "Operation" and "Fault".

Communication with the pump is possible by means of Grundfos R100 Remote Control enabling 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 the connection of:
- Pump start/stop (potential-free contact),
- external remote setpoint setting via analog signal, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA,
- 5 V voltage supply for setpoint potentiometer, Imax = 5 mA,
- pressure sensor factory-fitted.
- input for forced control to MIN or MAX (potential-free contact),
- potential-free fault signal relay with changeover contact, reporting Fault, Operation or Ready,
- RS485 GENIbus.

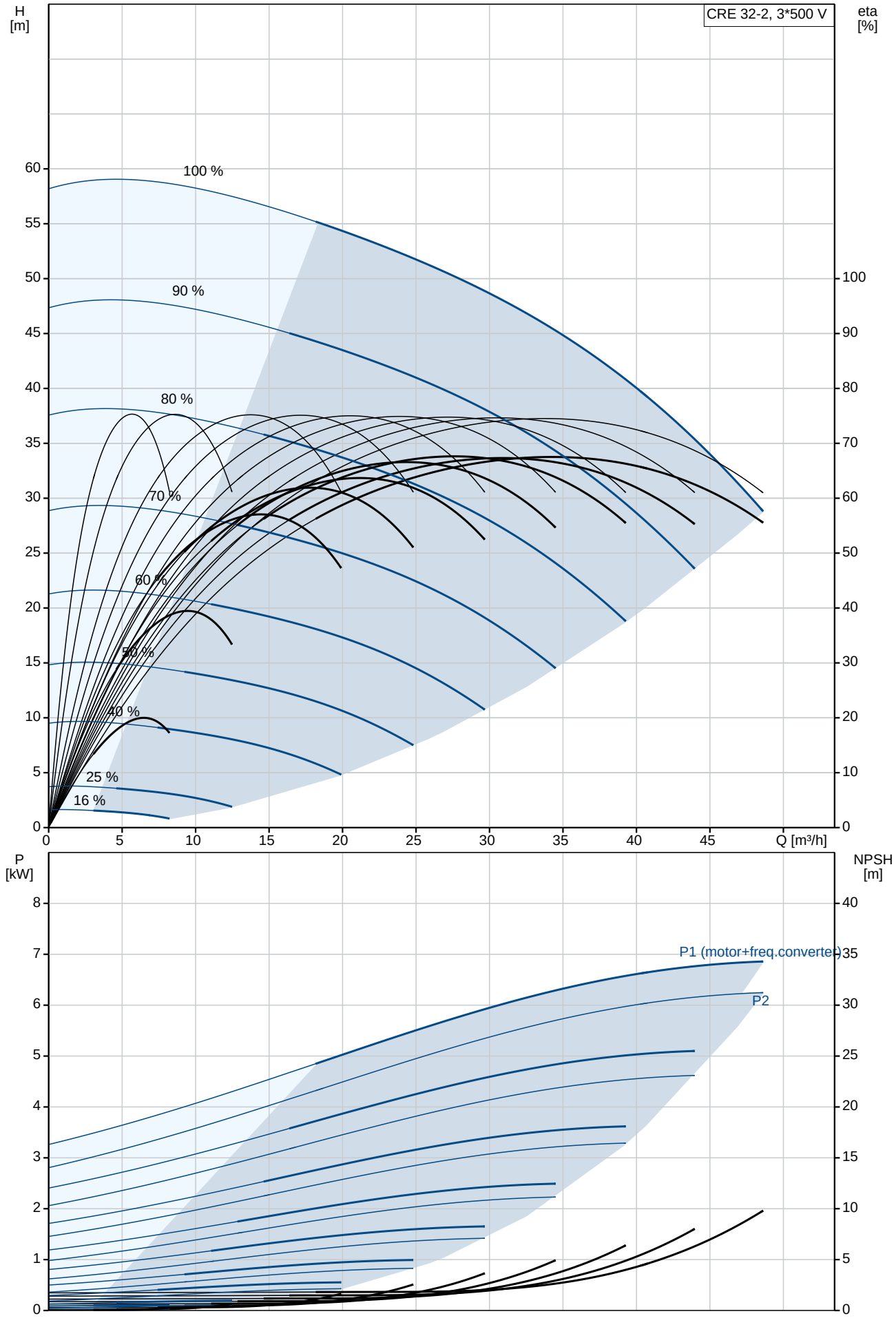
Controls:

Frequency converter:	Built-in
Pressure sensor:	Y

Liquid:

Position	Qty.	Description
		Pumped liquid: Water Liquid temperature range: -30 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ **Technical:** Speed for pump data: 3525 rpm Rated flow: 36 m³/h Rated head: 43.1 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B **Materials:** Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC Support bearing: Graflon **Installation:** Maximum ambient temperature: 50 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF265 **Electrical data:** Motor standard: IEC Motor type: 132SF IE Efficiency class: IE5 Rated power - P2: 7.5 kW Power (P2) required by pump: 7.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-500 V Rated current: 14,1-11,2 A Cos phi - power factor: 0,93-0,89 Rated speed: 360-4000 rpm Efficiency: 92,5% Motor efficiency at full load: 92.5 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F **Others:** Minimum efficiency index, MEI ≥: 0.7 Net weight: 98.5 kg Gross weight: 131 kg Shipping volume: 0.495 m³ Danish VVS No.: 386006102

99071959 CRE 32-2 50 Hz



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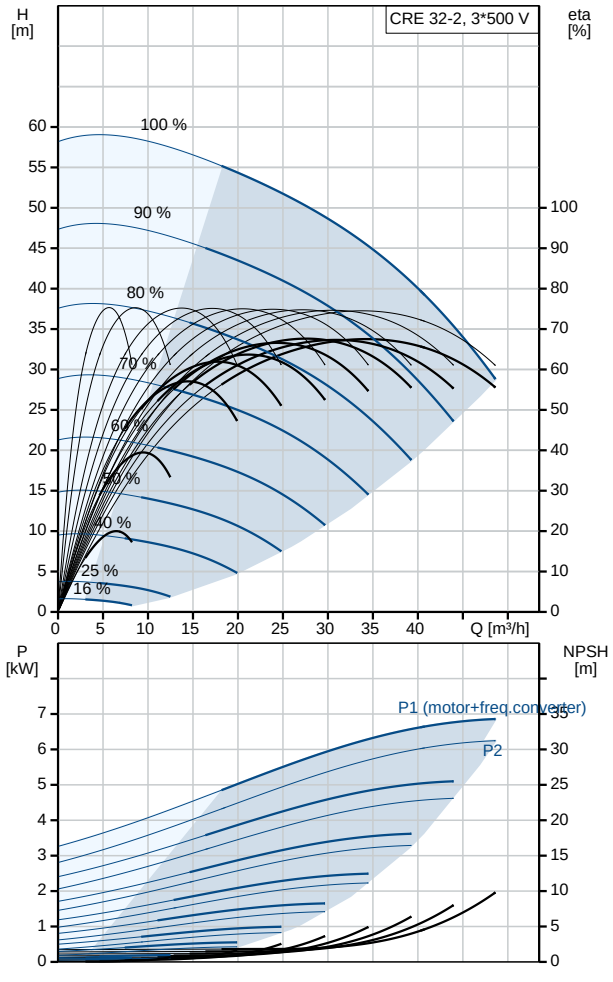
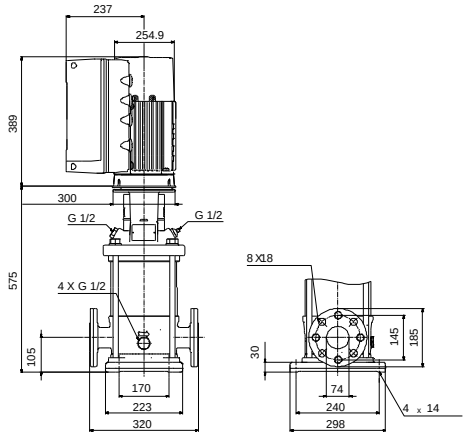
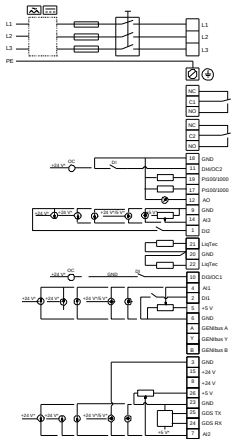
Description	Value
General information:	
Product name:	CRE 32-2 AN-F-A-E-HQQE
Product No:	99071959
EAN number:	5712606201570
Technical:	
Speed for pump data:	3525 rpm
Rated flow:	36 m³/h
Rated head:	43.1 m
Stages:	2
Impellers:	2
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE, EAC,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	AN
Model:	B
Materials:	
Base:	Cast iron
	EN 1563 EN-GJS-500-7
	ASTM A536 80-55-06
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Maximum ambient temperature:	50 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
	16 bar / -30 °C
Type of connection:	DIN
Connect code:	F
Size of inlet connection:	DN 65
Size of outlet connection:	DN 65
Pressure rating for pipe connection:	PN 40
Flange size for motor:	FF265
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-30 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor standard:	IEC
Motor type:	132SF
IE Efficiency class:	IE5
Rated power - P2:	7.5 kW
Power (P2) required by pump:	7.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-500 V
Rated current:	14,1-11,2 A
Cos phi - power factor:	0,93-0,89
Rated speed:	360-4000 rpm
Efficiency:	92,5%
Motor efficiency at full load:	92.5 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	YES
Motor No:	98971052
Controls:	
Control panel:	Standard

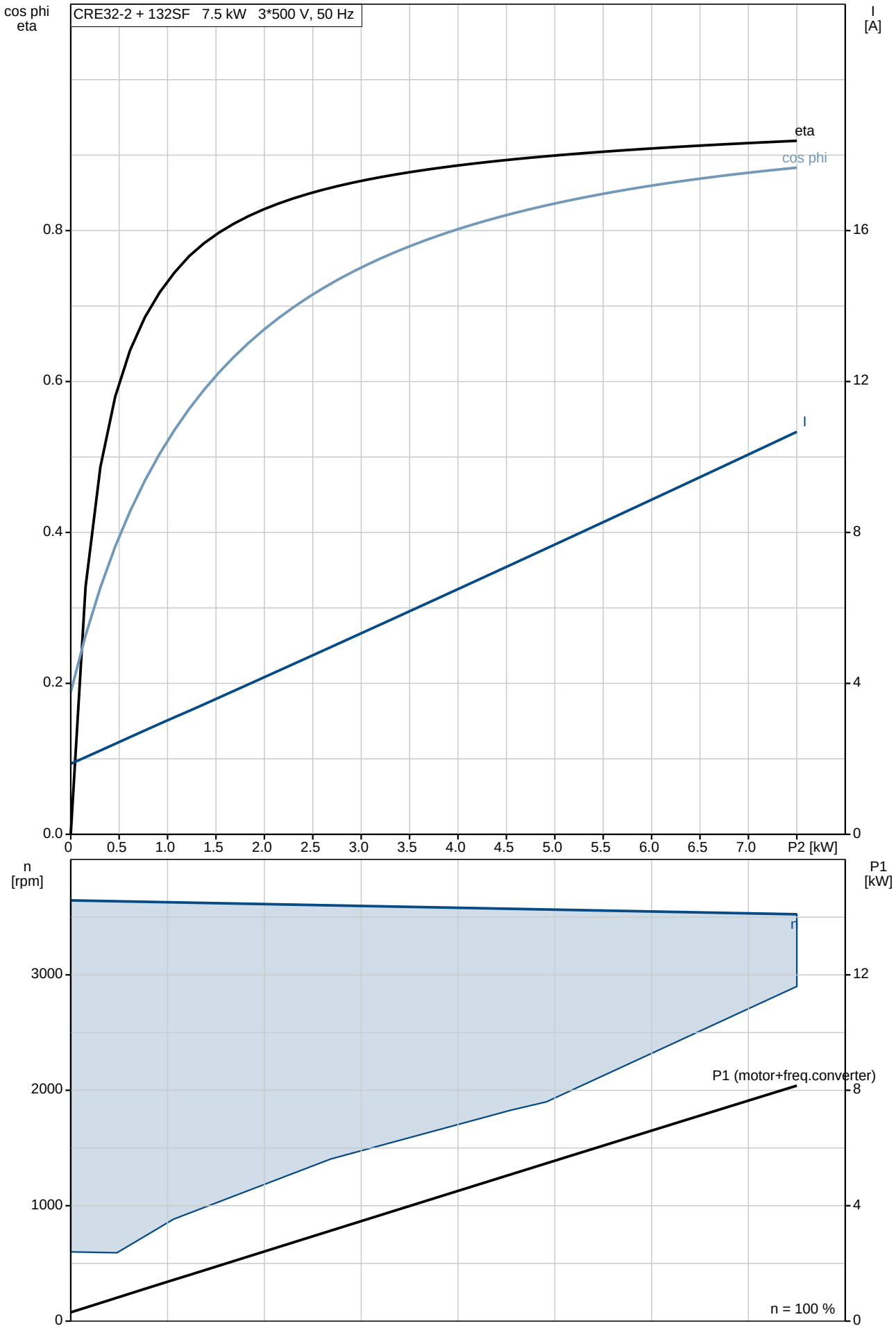




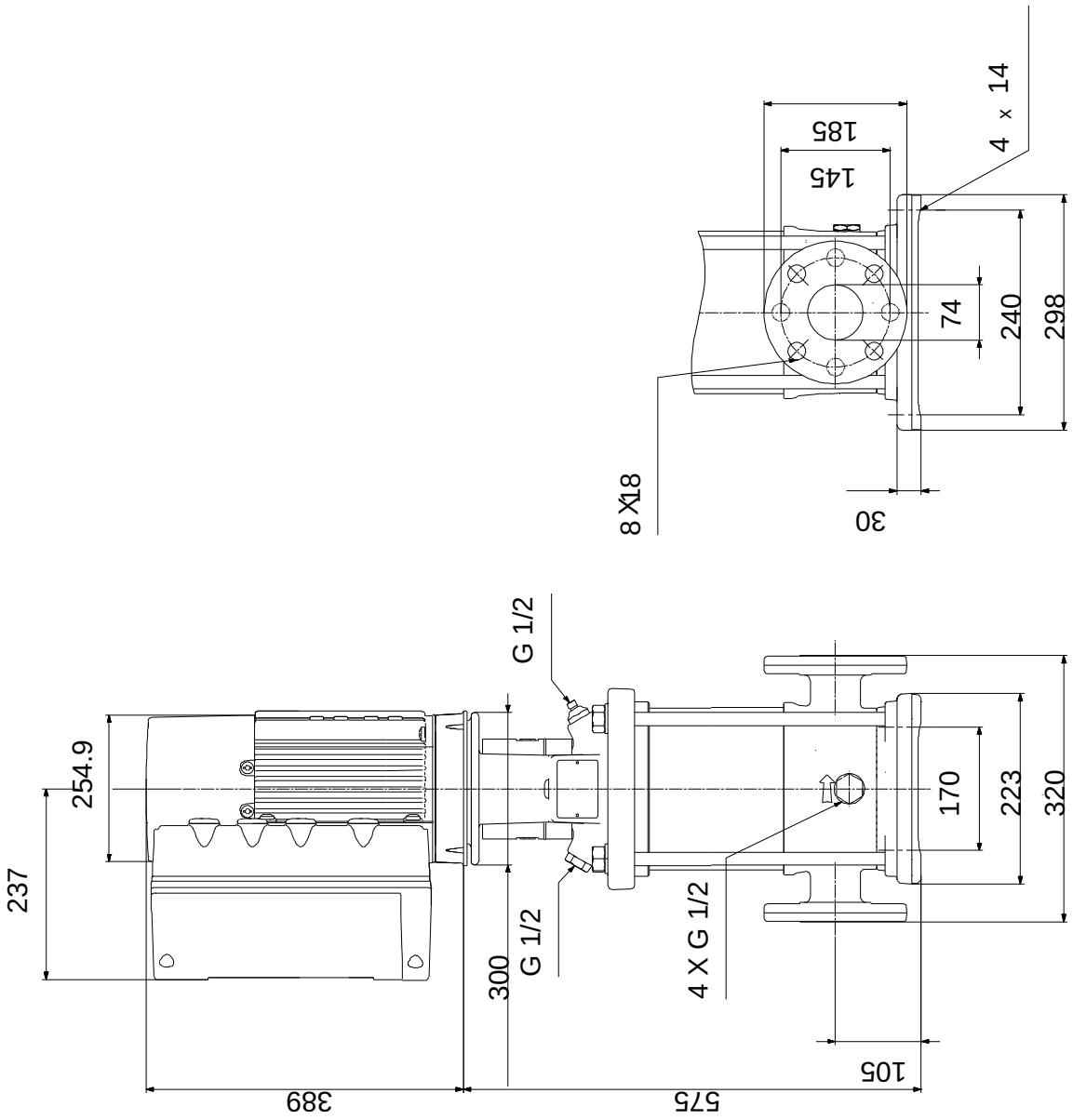


Description	Value
Function Module:	FM300 - Advanced
Frequency converter:	Built-in
Pressure sensor:	Y
Others:	
Minimum efficiency index, MEI ≥:	0.7
Net weight:	98.5 kg
Gross weight:	131 kg
Shipping volume:	0.495 m^3
Danish VVS No.:	386006102

99071959 CRE 32-2 50 Hz

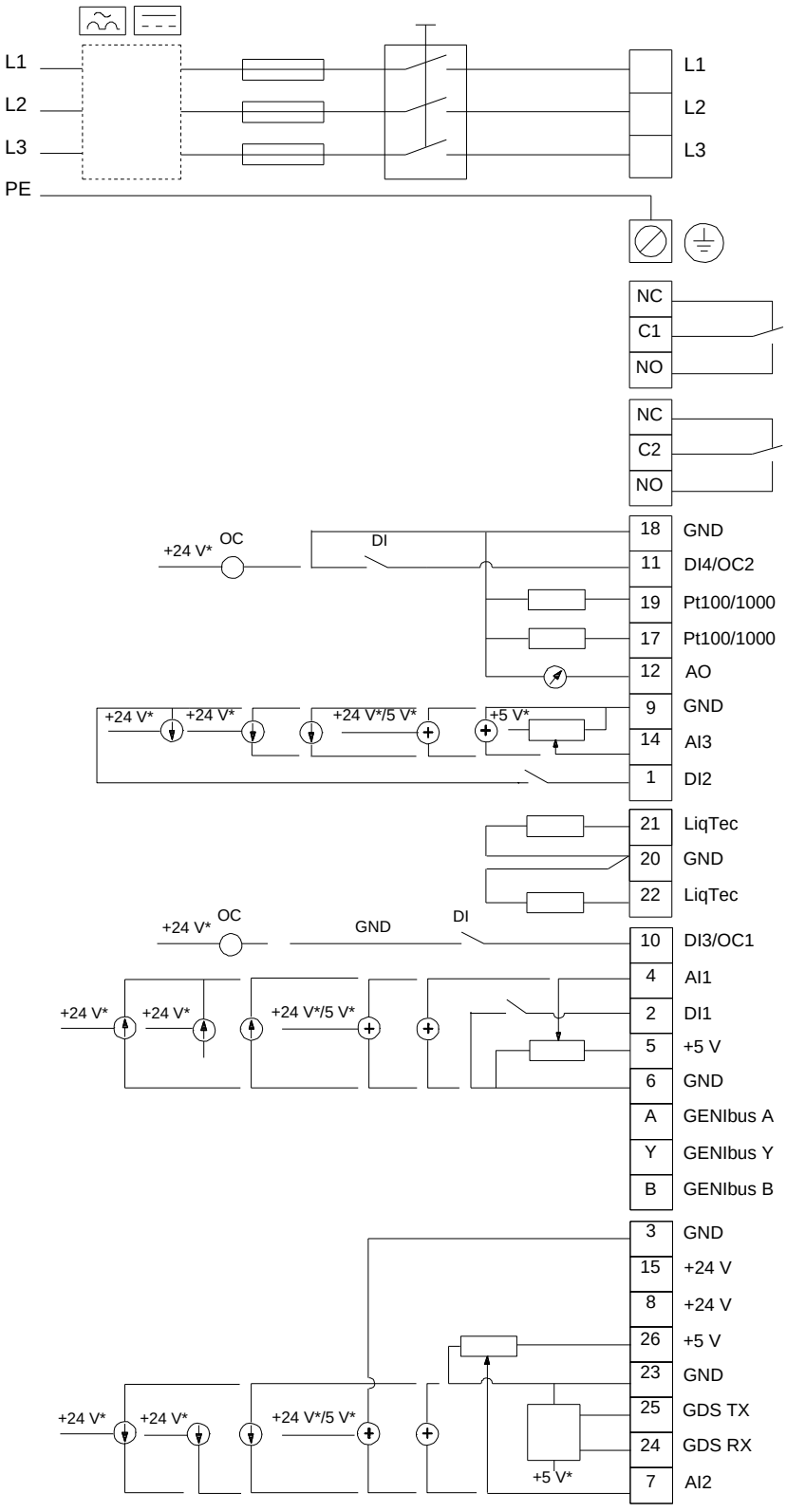


99071959 CRE 32-2 50 Hz



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

99071959 CRE 32-2 50 Hz



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

Disclaimer: The information about the Grundfos pump in this document may be outdated.
Data may be subject to alterations without further notice.
Please contact us to verify the data above is still accurate/up-to-date.

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