

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

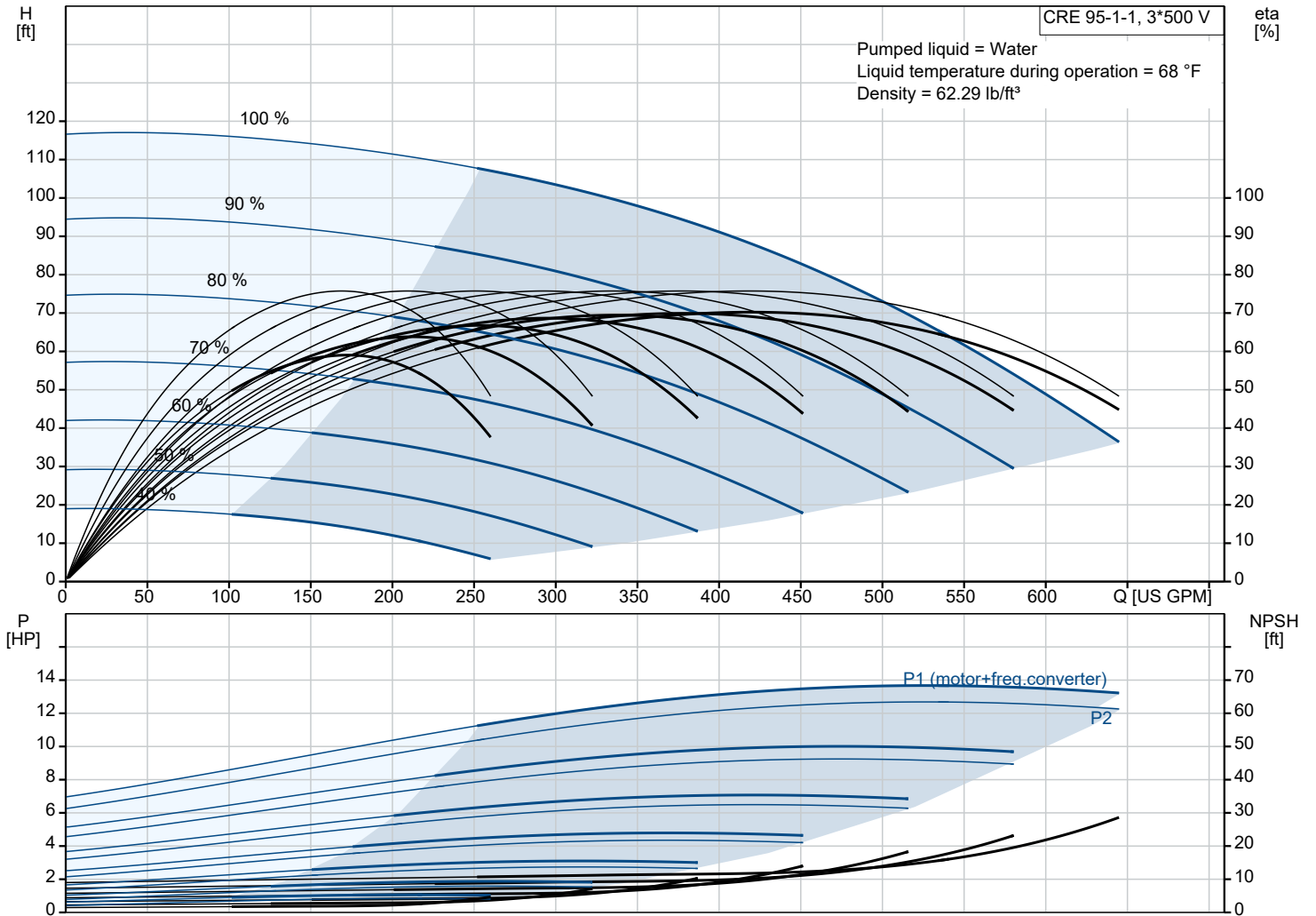


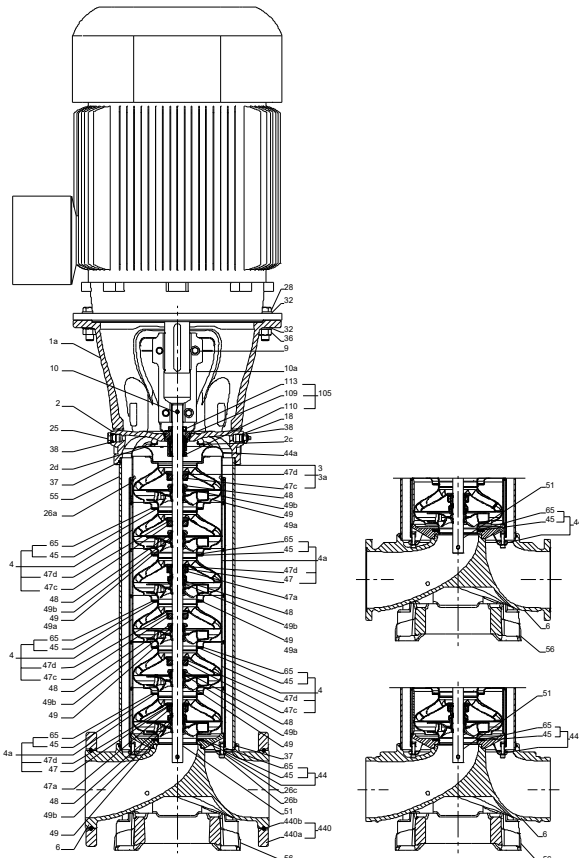
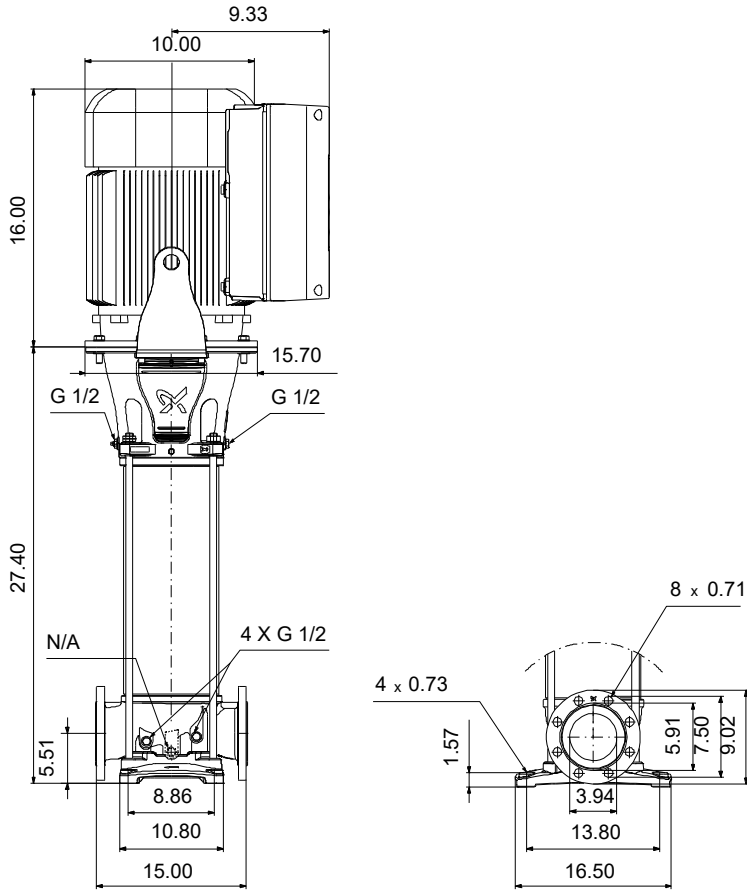
CRE 95-1-1 N-G-A-E-HQQE

Vertical, multistage centrifugal pump with integrated frequency converter. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Liquid temperature range:	-4 .. 248 °F	Rated power - P2:	15 HP
Temperature:	68 °F	Maximum ambient temperature:	122 °F	Rated voltage:	440-480 V
Specific Gravity:	1.000	Shaft seal:	HQQE	Mains frequency:	60 Hz
		Product number:	99266496	Enclosure class:	IP55
				Insulation class:	F
				Motor protection:	ELEC
				Motor type:	160H
				Eta 1/1:	93.2 %





Materials:

- Base: Ductile cast iron
- Base: EN 1563 EN-GJS-500-7
- Base: ASTM A536-84 65-45-12
- Impeller: Stainless steel
- Impeller: AISI 304
- Impeller: EN 1.4301
- Material code: A
- Code for rubber: E

Qty.	Description
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1 **CRE 95-1-1 N-G-A-E-HQQE**



Note! Product picture may differ from actual product

Product No.: [99266496](#)

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. The Grundfos cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via ANSI flanges.

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.

The terminal box has a number of inputs and outputs enabling the motor to be used in advanced applications where many inputs and outputs are required:

- two dedicated digital inputs
- three analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V; the factory-fitted pressure sensor is connected to one of these inputs
- 5 V voltage supply to potentiometer and sensor
- one analog output, 0-10 V, 0(4)-20 mA
- two configurable digital inputs or open-collector outputs
- two Pt100/Pt1000 inputs
- LiqTec, dry-running protection sensor input
- 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: -4 .. 248 °F
 Selected liquid temperature: 68 °F
 Density: 62.29 lb/ft³

Technical:

Pump speed on which pump data are based: 3538 rpm
 Rated flow: 500 US GPM
 Rated head: 76.78 ft
 Actual impeller diameter: 5.63 in
 Pump orientation: Vertical
 Shaft seal arrangement: Single
 Code for shaft seal: HQQE
 Approvals: CE
 Approvals for drinking water: NSF/ANSI 61, NSF/ANSI 372
 Curve tolerance: ISO9906:2012 3B

Materials:

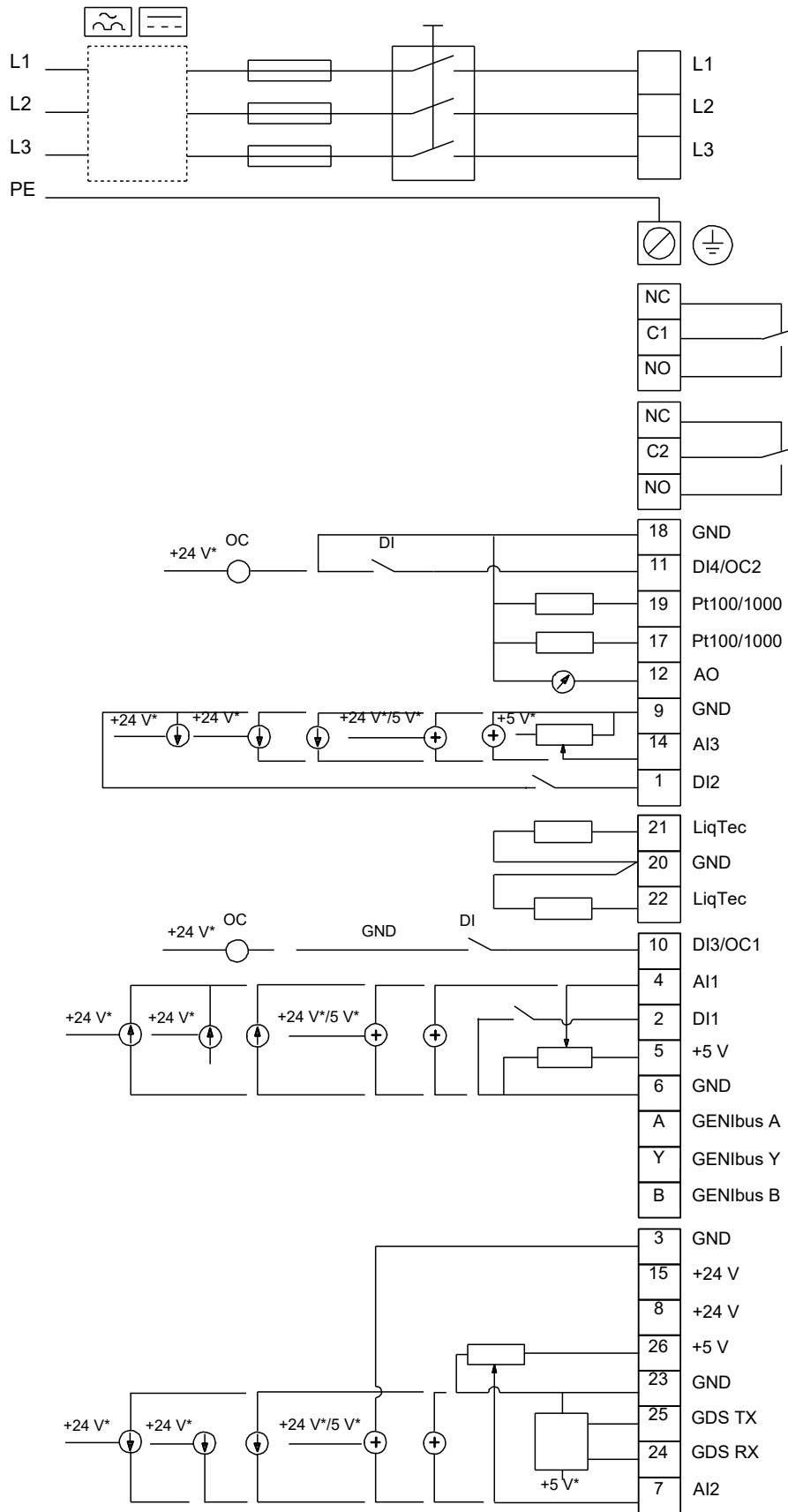
Base: Ductile cast iron
 EN 1563 EN-GJS-500-7
 ASTM A536-84 65-45-12
 Impeller: Stainless steel
 EN 1.4301
 AISI 304
 Bearing: WC/WC
 Support bearing: Graflon
 Material certified according to: European standards

Installation:

t max amb: 122 °F
 Maximum operating pressure: 232.06 psi
 Max pressure at stated temp: 232 psi / 250 °F

Qty.	Description
	Type of connection: ANSI Size of inlet connection: 4 inch Size of outlet connection: 4 inch Pressure rating for connection: 150 lb Flange size for motor: 254TC Electrical data: Motor standard: NEMA Motor type: 160H IE Efficiency class: IE5 Rated power - P2: 15 HP Power (P2) required by pump: 15 HP Mains frequency: 60 Hz Rated voltage: 3 x 440-480 V Service factor: 1.15 Rated current: 17.9-16.6 A Cos phi - power factor: 0.92-0.91 Rated speed: 360-4000 rpm Efficiency: 93.2% Motor efficiency at full load: 93.2 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971062 Controls: Frequency converter: Built-in Pressure sensor: Y Others: DOE Pump Energy Index VL: 0.42 Net weight: 375 lb Gross weight: 635 lb Shipping volume: 44.2 ft ³ Thrust handling device: N

99266496 CRE 95-1-1 N-G-A-E-HQQE 60 Hz



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