

Submittal Data

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

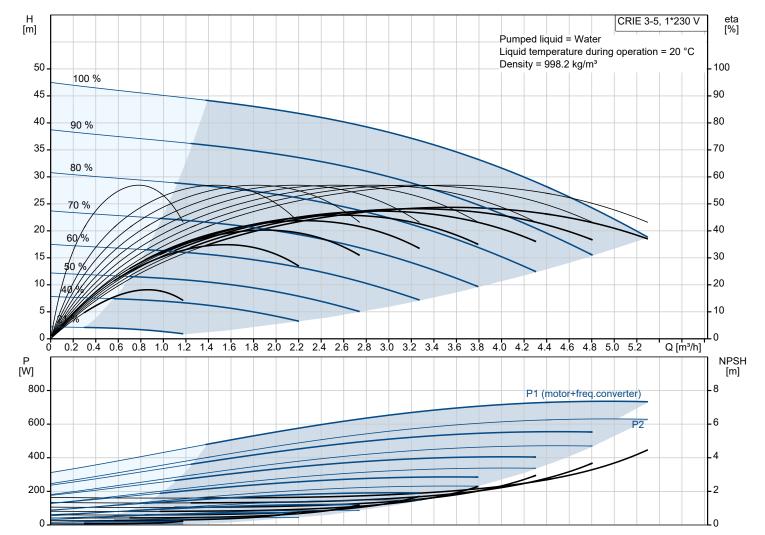


CRIE 3-5 N-CA-A-E-HQQE

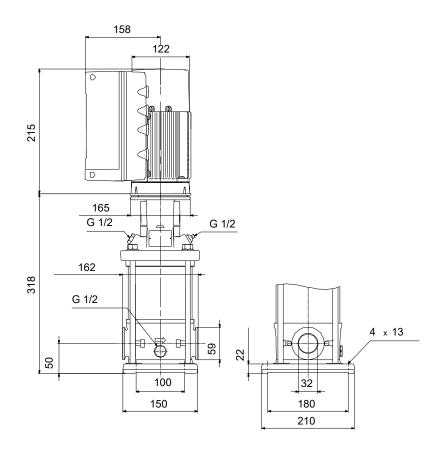
Vertical, multistage centrifugal pump with integrated frequency converter. Pump materials in contact with the liquid are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of	of Service	Pump Data		Motor Da	ata
Liquid: Temperature: Specific Gravity:	Water 20 °C 1.000	Max pressure at stated temp: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:	25 bar / 120 °C -20 120 °C 50 °C HQQE 99340800	Rated power - P2: Rated voltage: Mains frequency: Enclosure class: Insulation class: Motor protection: Motor type: Eta 1/1:	0.75 kW 200-240 V 60 Hz IP55 F ELEC 80A 85.2 %







Materials:	Ν	VI	а	te	ri	а	ls	:
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Base:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	AISI 304
Impeller:	EN 1.4301
Material code:	А
Code for rubber:	E

054	Description	
Qty.	Description	
1	CRIE 3-5 N-CA-A-E-HQQE	
	×	
	61	
	Product No.: 99340800	Note! Product picture may differ from actual product
	Product No 99340800	
	are in stainless steel. A cartridge	ump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid s shaft seal ensures high reliability, safe handling, and easy access and service. Power pupling. Pipe connection is via FlexiClamps.
	The pump is fitted with a 1-phase	e, 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 nables adaptation of the performance to a given requirement.
		or terminal box features a four-inch TFT display, push-buttons and the Grundfos Eye indicator.
		d user-friendly interface to all functions.
	I he push-buttons are used to na setting of required setpoint as we	avigate through the menu structure to access pump and performance data on site and enable ell as setting of pump to "Min." or "Max." operation or to "Stop".
	Communication with the pump is	s also possible by means of Grundfos GO Remote (accessory). The remote control enables further f a number of parameters such as "Actual value", "Speed", "Power input" and total "Power
	consumption".	
		he operating panel provides visual indication of pump status: ning (rotating green indicator lights) or not running (permanently green indicator lights)
		unning (rotating yellow indicator lights) or has stopped (permanently yellow indicator lights)
		ed (flashing red indicator lights).
		of inputs and outputs enabling the motor to be used in advanced applications where many inputs
	 and outputs are required: two dedicated digital input 	to
		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 pote	
	 one analog output, 0-10 \ two configurable digital in 	/, 0(4)-20 mA puts or open-collector outputs
	 two configurable digital in two Pt100/Pt1000 inputs 	puts of open-confector outputs
	 LiqTec, dry-running prote 	
	 Grundfos Digital Sensor i 	nput and output
	 24 V voltage supply for set two signal-relay outputs (
	GENIbus connection	
	 interface for Grundfos CII 	M fieldbus module.
	Liquid: Pumped liquid:	Water
	Liquid temperature range:	-20 120 °C
	Selected liquid temperature:	20 °C
	Density:	998.2 kg/m³
	Technical:	
	Pump speed on which pump dat	a are based: 3464 rpm
	Rated flow:	3.5 m³/h
	Rated head:	33.9 m Vortical
	Pump orientation: Shaft seal arrangement:	Vertical Single
	Code for shaft seal:	HQQE
	Approvals:	CURUS
	Approvals for drinking water:	NSF/ANSI 61
	Curve tolerance:	ISO9906:2012 3B
	Materials:	

Base: Stainless steel Impeller: Stainless steel EN 1.4408 AKI 316 Baaring: Stainless steel EN 1.4301 AKI 304 Baaring: Stor Installation: To C Imax amb: 25 bar Maximum operaling pressure: 25 bar Zoz of inlet connection: Flex/Glamp Size of outlet connection: Flex/Glamp Size of outlet connection: DN 32 Pressure at go room conto: Stor Size of outlet connection: DN 32 Pressure at go room conto: Stor Size of outlet connection: DN 32 Pressure at go room conto: Stor Size of outlet connection: DN 32 Pressure at go room conto: Stor Size of neutor: Stor Electrical data: Motor standard: Motor standard: NEMA Motor standard: NEMA Motor standard: D.75 KW Power (P2) reguined by pump. O.75 KW Power (kn 1 4408ANSI 316Stainless steelEN 1.4301ANSI 304Bearing:SICInstallation:t max amb:50 °CMaximum operating pressure:25 barMax pressure at stated temp:25 bar / 120 °C25 bar / 20 °CType of connection:FlexiClampSize of inlet connection:DN 32Size of inlet connection:DN 32Size of unite connection:PN 25Flange size for motor:S6CElectrical data:Kotor standard:Motor standard:NEMAMotor standard:IE5Rated power P2:0.75 kWPower (P2) required by pump:0.75 kWPower factor:1.0Rated voltage:1.4 200-240 VServie factor:0.99Rated source:360-4000 rpmEfficiency:85.2%Motor standare:1.0Rated source:360-4000 rpmEfficiency:85.2%Motor standare:1.0Rated source:52.2%Motor Standare:1.0Efficiency:85.2%Motor Standare:1.0Efficiency:85.2%Motor Standare:1.0Efficiency:85.2%Motor Standare:1.0Efficiency:85.2%Motor Standare:1.0Efficiency:85.2%Motor Standare:1.0Frequency converter:80.36.2274Controls:FFrequency converter:90.8	Description	
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