

Submittal Data

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

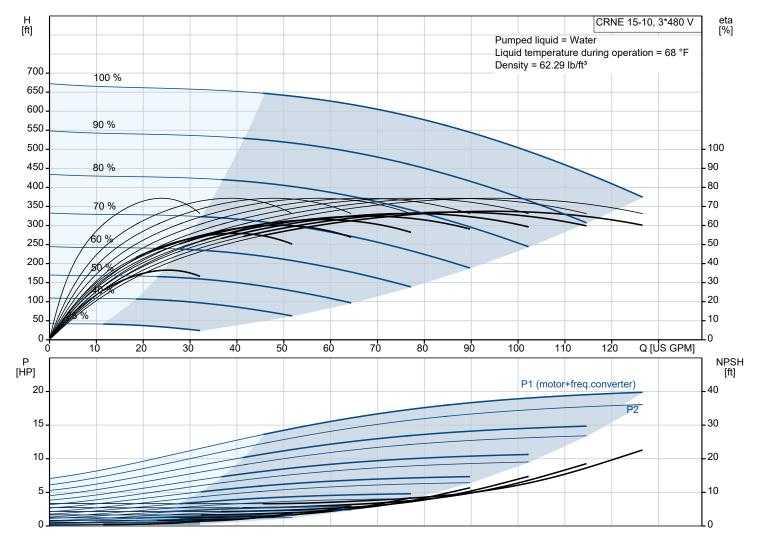


CRNE 15-10 N-FGJ-A-E-HQQE

Vertical, multistage centrifugal pump with integrated frequency converter. Pump materials in contact with the liquid are in high-grade stainless steel (EN 1.4401)

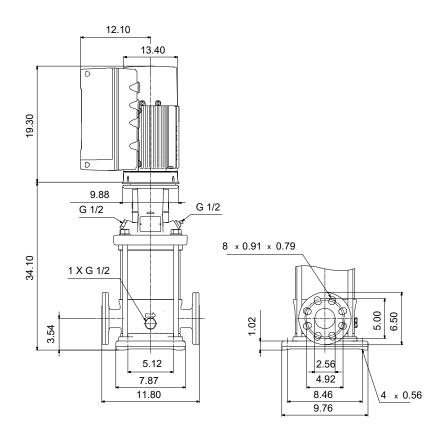
Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid: Temperature: Specific Gravity:	Water 68 °F 1.000	Max pressure at stated temp: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:	363 psi / 250 °F -4 248 °F 104 °F HQQE 98181593	Rated power - P2: Rated voltage: Mains frequency: Enclosure class: Insulation class: Motor protection: Motor type: Eta 1/1:	20 HP 460 V 60 Hz IP55 F YES 160AB 91.0 %



Submittal Data





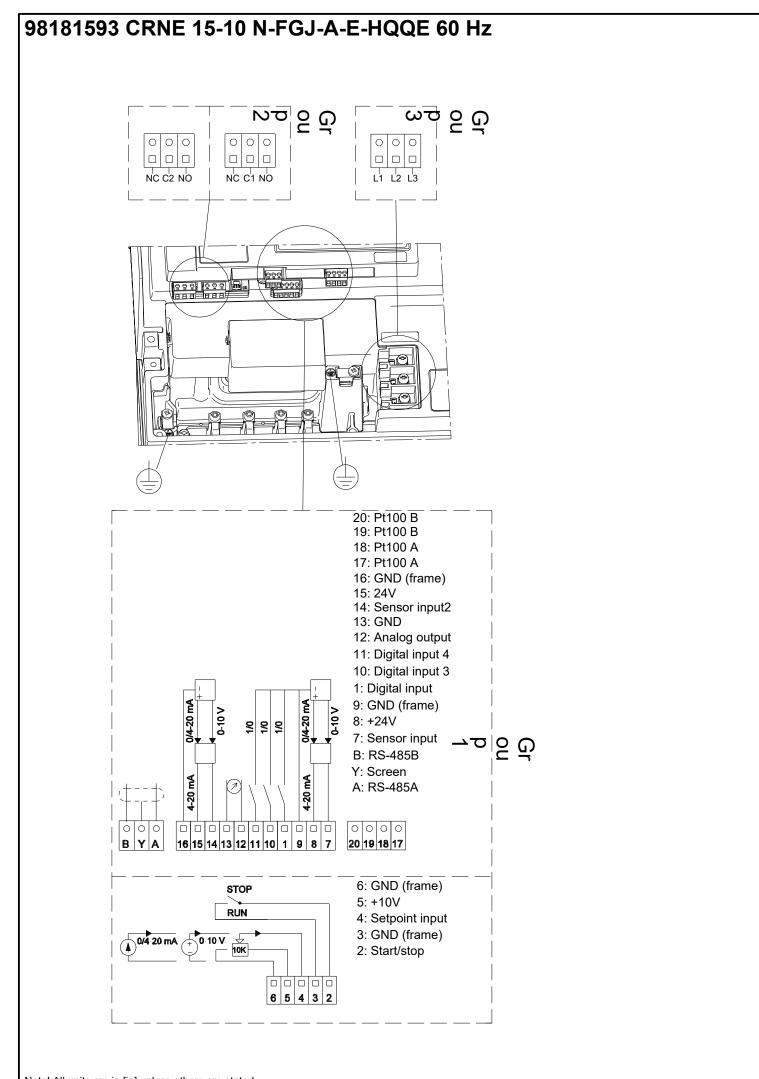
Materials:

Stainless steel
EN 1.4408
AISI 316
Stainless steel
AISI 316
EN 1.4401
А
E

Qty.	Description	
	-	
1	CRNE 15-10 N-FGJ-A-E-HQQE	
	Product No.: 98181593	
	Vertical, multistage centrifugal p	ump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid . A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power
	transmission is via a rigid split co	bupling. Pipe connection is via combined DIN-ANSI-JIS flanges.
	•	e, fan-cooled asynchronous motor.
	The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable the motor speed, which again enables adaptation of the performance to a given requirement.	
		terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max."
	operation or to "Stop". The operation	ating panel has indicator lights for "Operation" and "Fault".
	Communication with the pump is	s possible by means of Grundfos GO Remote (accessory). The remote control enables further
	settings as well as reading out o	f a number of parameters such as "Actual value", "Speed", "Power input" and total "Power
	consumption".	
	The terminal box holds terminals	s for these connections:
	pump start/stop input (po	
		a analog signal, 0-10 V, 0(4)-20 mA
	3 11 3	etpoint potentiometer, Imax = 5 mA
		ts, 0-10 V, 0(4)-20 mA; the factory-fitted pressure sensor is connected to one of these inputs
	24 V voltage supply for se	ensor, Imax = 40 mA
	one analog output	
	three digital inputs two Dt100 inputs	
	two Pt100 inputs two potential free fault sid	gnal relays with changeover contact, reporting "Fault", "Operation" or "Ready"
	RS-485 GENIbus connect	
	 interface for Grundfos Cli 	
	Liquid:	
	Pumped liquid:	Water
	Liquid temperature range:	-4 248 °F
	Selected liquid temperature:	68 °F
	Density:	62.29 lb/ft ³
	Technical:	
	Pump speed on which pump dat	
	Rated flow:	90.3 US GPM
	Rated head:	529.9 ft
	Actual impeller diameter:	4.13 in
	Pump orientation:	Vertical
	Shaft seal arrangement:	Single
	Code for shaft seal:	HQQE
	Approvals: Approvals for drinking water:	CURUS NSF/ANSI 61
	Curve tolerance:	ISO9906:2012 3B
	Curve tolerance.	1309900.2012 3B
	Materials:	
	Base:	Stainless steel
		EN 1.4408
		AISI 316
	Impeller:	Stainless steel
		EN 1.4401
		AISI 316
	Bearing:	SIC
	Installation:	
	t max amb:	104 °F
	Maximum operating pressure:	362.59 psi
1	Max pressure at stated temp:	363 psi / 250 °F
		363 psi / -4 °F
1	Type of connection:	DIN / ANSI / JIS
1	Size of inlet connection:	DN 50
1	Size of outlet connection:	DN 50
	Pressure rating for connection:	PN 25
1	Flange rating inlet:	300 lb 254TC
1	Flange size for motor:	

Electrical data:	
Motor standard:	NEMA
Motor type:	160AB
IE Efficiency class:	NEMA Premium / IE3 60Hz

Qty.	Description	
	Rated power - P2:	20 HP
	Power (P2) required by pump:	20 HP
	Mains frequency:	60 Hz
	Rated voltage:	3 x 460 V
	Service factor:	1.15
	Rated current:	26 A
	Cos phi - power factor:	0.89
	Rated speed:	480-3540 rpm
	Efficiency:	IE3 91,0%
	Motor efficiency at full load:	91.0 %
	Number of poles:	2
	Enclosure class (IEC 34-5):	IP55
	Insulation class (IEC 85):	F
	Motor No:	85901137
	Controls:	
	Frequency converter:	Built-in
	Pressure sensor:	Y
	Others:	
	DOE Pump Energy Index VL:	0.47
	Net weight:	401 lb
	Gross weight:	516 lb
	Shipping volume:	28.4 ft ³



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