

Submittal Data

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

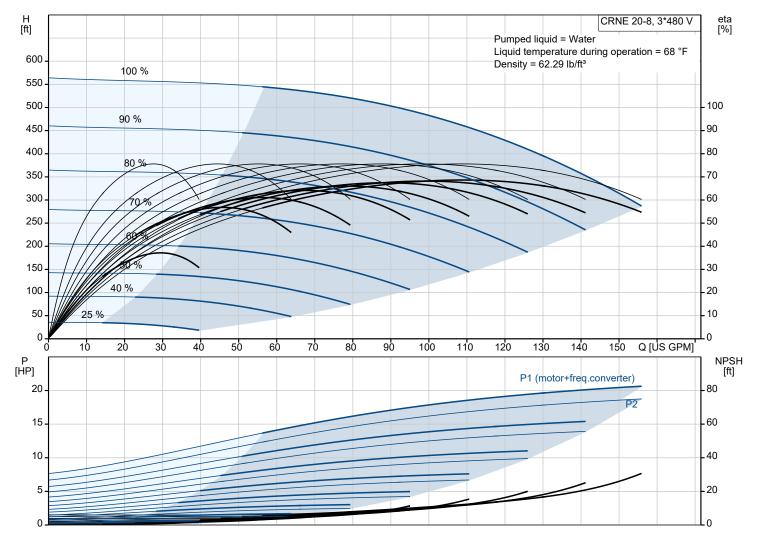


CRNE 20-8 N-P-A-E-HQQE

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

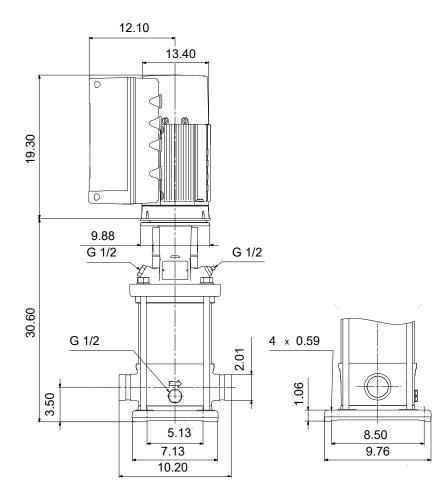
Note! Product picture may differ from actual product

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 98183550	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:

Base:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	AISI 316
Impeller:	EN 1.4401
Material code:	А
Code for rubber:	E
Impeller: Impeller: Impeller: Material code:	Stainless steel AISI 316 EN 1.4401 A

Qty.	Description	
1	CRNE 20-8 N-P-A-E-HQQE	
	Product No.: 98183550	
	are in high-grade stainless steel	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 oupling. Pipe connection is via PJE (Victaulic®) couplings.
	. .	
	The motor includes a frequency	e, fan-cooled asynchronous motor. converter and PI controller in the motor terminal box. This enables continuously variable control of nables adaptation of the performance to a given requirement.
	An operating panel on the moto operation or to "Stop". The oper	r terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." ating panel has indicator lights for "Operation" and "Fault".
	Communication with the pump is settings as well as reading out of consumption".	s possible by means of Grundfos GO Remote (accessory). The remote control enables further of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power
	The terminal box holds terminal	s for these connections:
	pump start/stop input (po	
		ia analog signal, 0-10 V, 0(4)-20 mA
		etpoint potentiometer, Imax = 5 mA
		its, 0-10 V, 0(4)-20 mA; the factory-fitted pressure sensor is connected to one of these inputs
	 24 V voltage supply for s 	
	one analog output	
	 three digital inputs 	
	two Pt100 inputs	
		gnal relays with changeover contact, reporting "Fault", "Operation" or "Ready"
	RS-485 GENIbus connect	
	interface for Grundfos Cl	im lieladus module.
	Liquid	
	Liquid:	Matan
	Pumped liquid:	Water
	Liquid temperature range:	-4 248 °F
	Selected liquid temperature:	68 °F
	Density:	62.29 lb/ft ³
	Tashniash	
	Technical:	
	Pump speed on which pump da	ta are based: 3497 rpm 111 US GPM
	Rated flow:	
	Rated head:	442.9 ft
	Actual impeller diameter:	4.13 in
	Pump orientation:	Vertical
	Shaft seal arrangement:	Single
	Code for shaft seal:	HQQE
	Approvals:	CURUS
	Approvals for drinking water:	NSF/ANSI 61
	Curve tolerance:	ISO9906:2012 3B
	Motoviolo	
	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
	Max pressure at stated temp:	363 psi / 250 °F 363 psi / -4 °F
	Type of connection:	PJE
	Size of inlet connection:	DN 50
	Size of outlet connection:	DN 50
	Pressure rating for connection:	

Flange size for motor:

Electrical data: Motor standard:

IE Efficiency class:

Rated power - P2:

Motor type:

Pressure rating for connection: PN 50

254TC

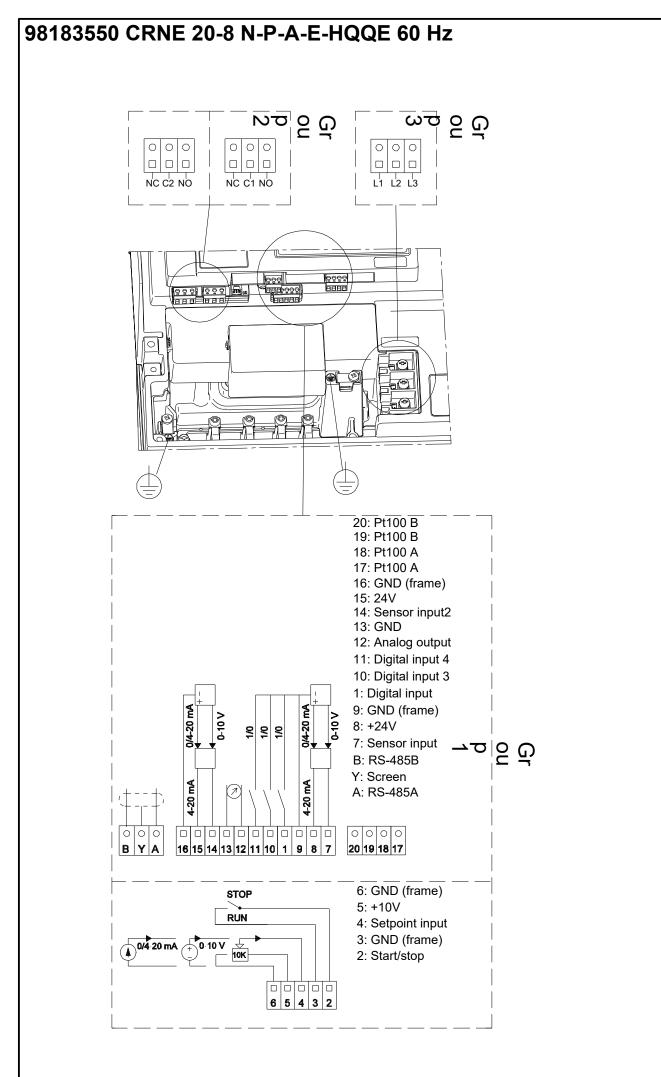
NEMA

160AB

20 HP

NEMA Premium / IE3 60Hz

Qty.	Description	
	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:	0.46
	Net weight:	384 lb
	Gross weight:	496 lb
	Shipping volume:	28.4 ft ³



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