
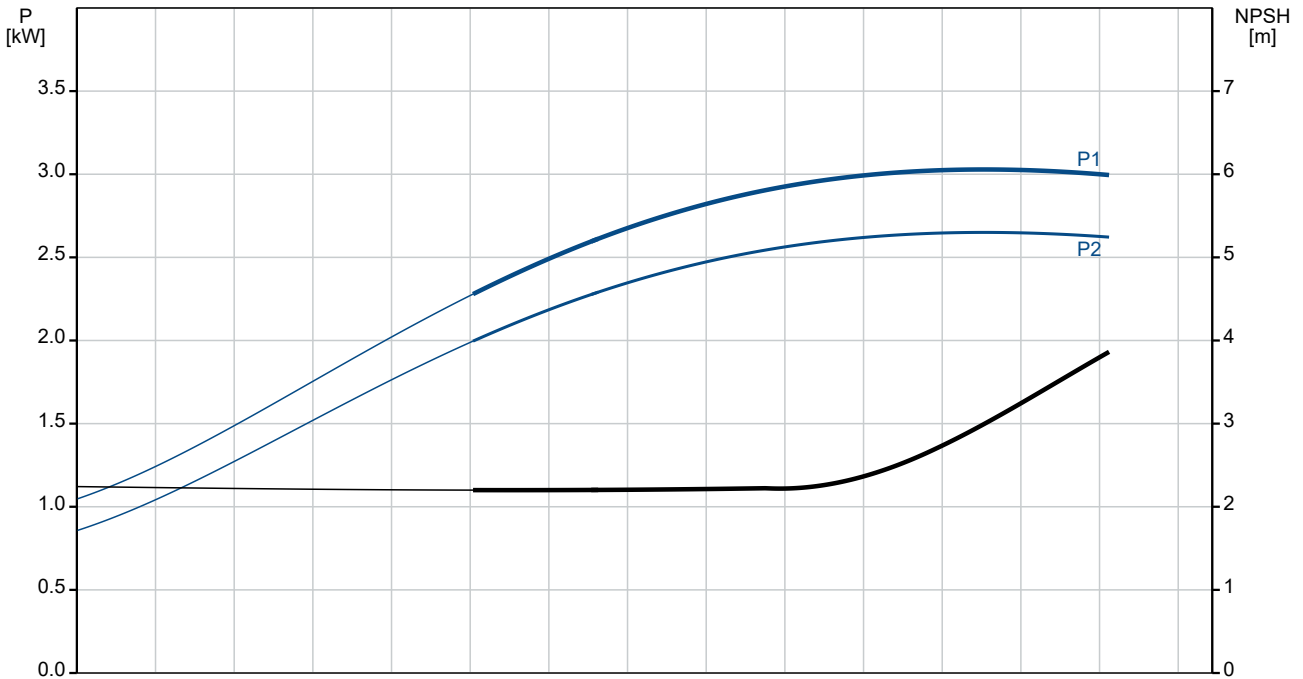
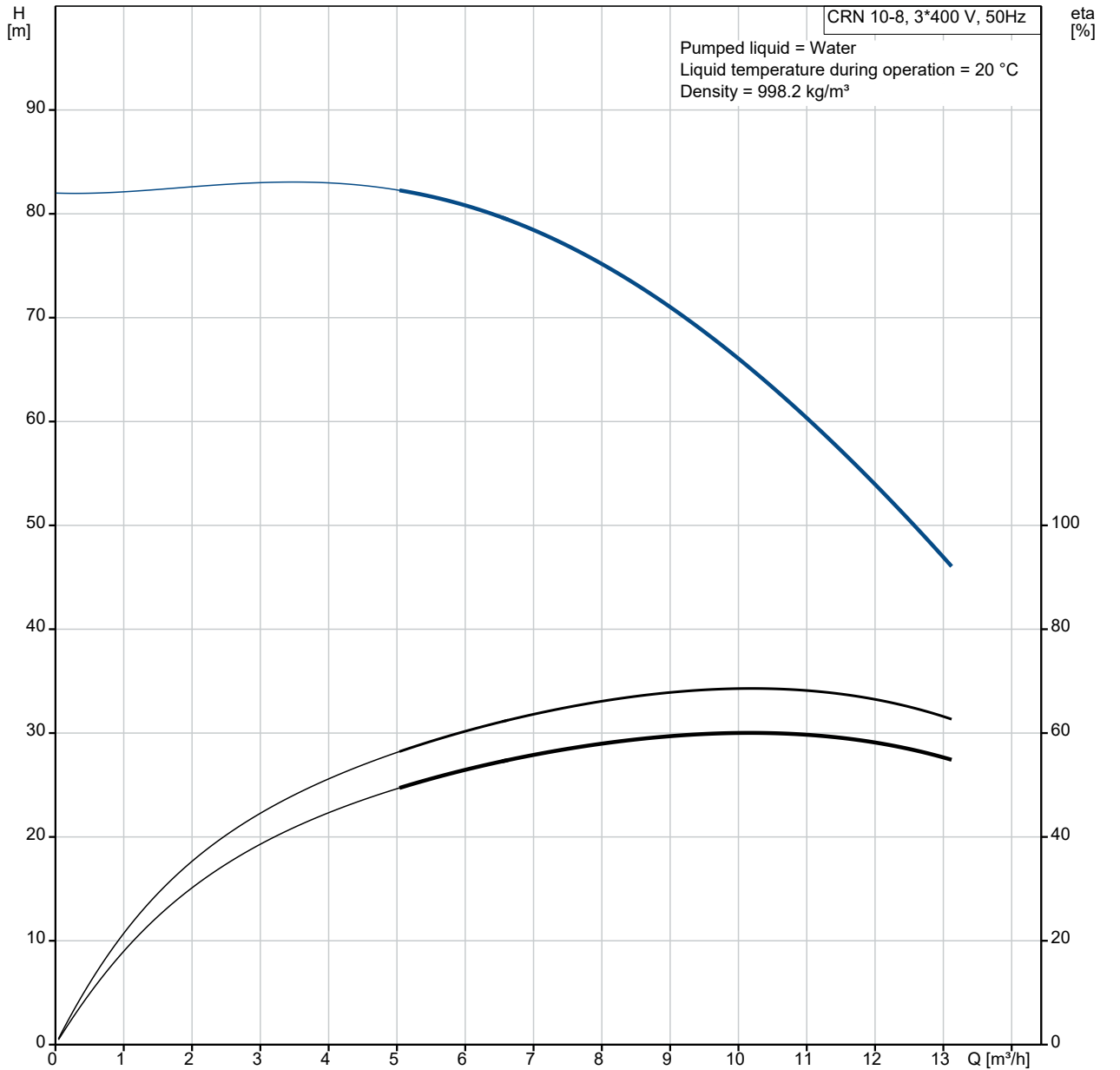


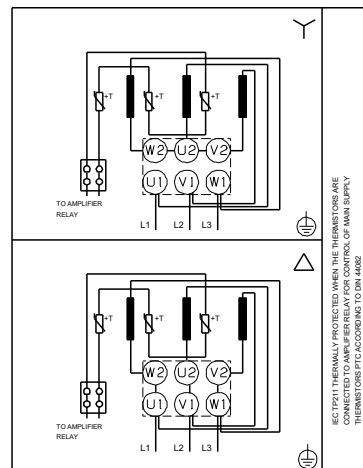
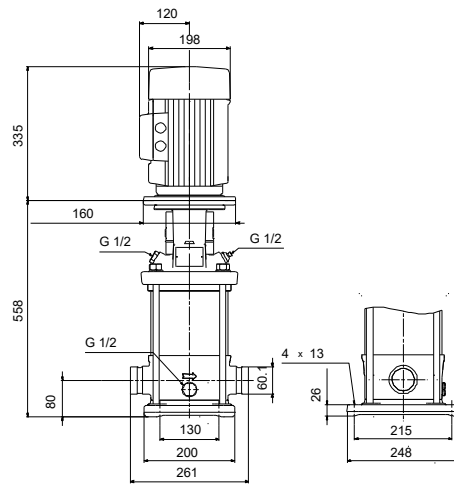
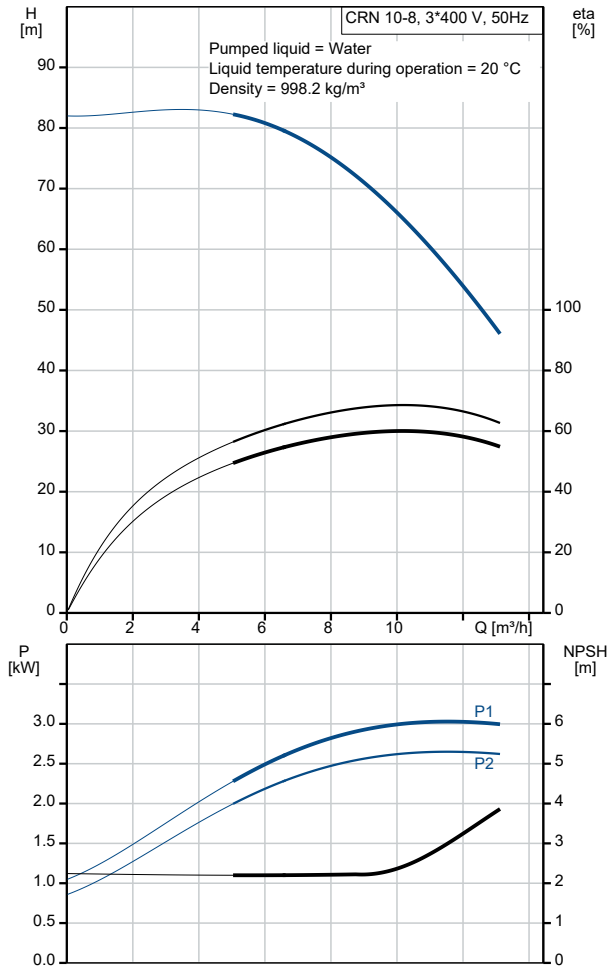
Qty.	Description
1	<b>CRN 10-8 A-P-A-E-HQQE</b>
	
	<p><b>Note! Product picture may differ from actual product</b></p>
	<p>Product No.: On request</p>
	<p>Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A 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 PJE (Victaulic®) couplings.</p>
	<p>The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p>
	<p>Liquid:  Pumped liquid: Water  Liquid temperature range: -20 .. 120 °C  Selected liquid temperature: 20 °C  Density: 998.2 kg/m<sup>3</sup></p>
	<p>Technical:  Pump speed on which pump data are based: 2902 rpm  Rated flow: 10 m<sup>3</sup>/h  Rated head: 64.8 m  Pump orientation: Vertical  Shaft seal arrangement: Single  Code for shaft seal: HQQE  Approvals: CE,EAC,UKCA,SEPRO  Approvals for drinking water: WRAS,ACS  Curve tolerance: ISO9906:2012 3B</p>
	<p>Materials:  Base: Stainless steel  EN 1.4408  AISI 316  Impeller: Stainless steel  EN 1.4401  AISI 316  Bearing: SIC</p>
	<p>Installation:  t max amb: 60 °C  Maximum operating pressure: 25 bar  Max pressure at stated temp: 25 bar / 120 °C  25 bar / -20 °C  Type of connection: PJE  Size of inlet connection: DN 50  Size of outlet connection: DN 50  Pressure rating for connection: PN 50  Flange size for motor: FT130</p>
	<p>Electrical data:  Motor standard: IEC  Motor type: 100LC  IE Efficiency class: IE3  Rated power - P2: 3 kW  Power (P2) required by pump: 3 kW  Mains frequency: 50 Hz  Rated voltage: 3 x 220-240D/380-415Y V</p>

Qty.	Description
1	<p>Rated current: 11.0/6.30 A  Starting current: 840-920 %  Cos phi - power factor: 0.87-0.82  Rated speed: 2900-2920 rpm  Efficiency: IE3 87,1%  Motor efficiency at full load: 87.1 %  Motor efficiency at 3/4 load: 88.0 %  Motor efficiency at 1/2 load: 87.7 %  Number of poles: 2  Enclosure class (IEC 34-5): 55 Dust/Jetting  Insulation class (IEC 85): F  Motor No: 85U05510</p> <p>Controls:  Frequency converter: NONE</p> <p>Others:  Minimum efficiency index, MEI ≥: 0.70  Net weight: 55 kg  Gross weight: 59 kg  Shipping volume: 0.13 m<sup>3</sup>  Danish VVS No.: 385913080  Country of origin: GB  Custom tariff no.: 84137075</p>

# On request CRN 10-8 A-P-A-E-HQQE 50 Hz

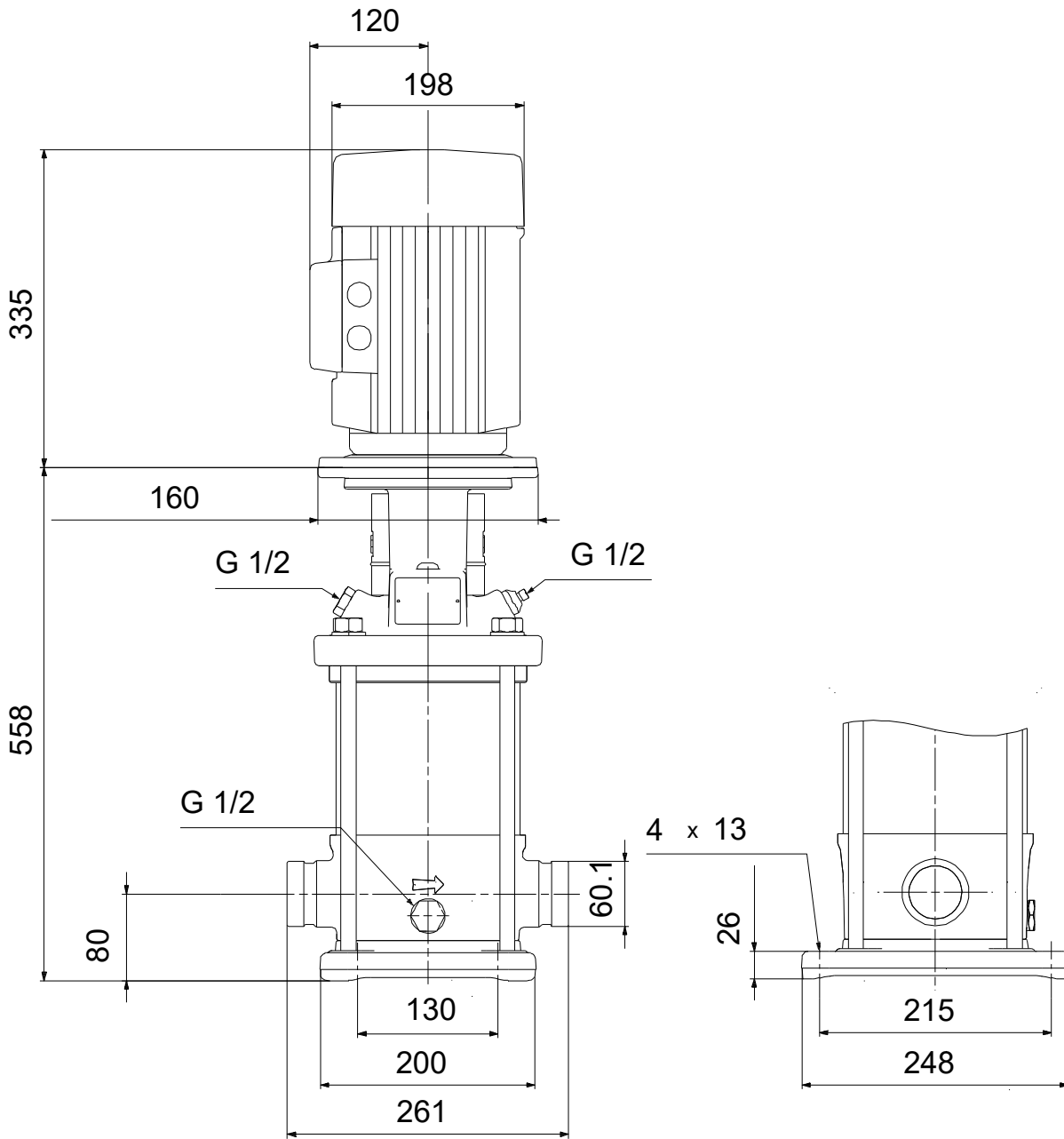


Description	Value
<b>General information:</b>	
Product name:	CRN 10-8 A-P-A-E-HQQE
Product No:	On request
EAN number:	On request
<b>Technical:</b>	
Pump speed on which pump data are based:	2902 rpm
Rated flow:	10 m <sup>3</sup> /h
Rated head:	64.8 m
Maximum head:	81.7 m
Stages:	8
Impellers:	8
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals:	CE,EAC,UKCA,SEPRO
Approvals for drinking water:	WRAS,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Base:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	EN 1.4401
Impeller:	AISI 316
Material code:	A
Code for rubber:	E
Bearing:	SIC
<b>Installation:</b>	
t max amb:	60 °C
Maximum operating pressure:	25 bar
Max pressure at stated temp:	25 bar / 120 °C
Max pressure at stated temp:	25 bar / -20 °C
Type of connection:	PJE
Size of inlet connection:	DN 50
Size of outlet connection:	DN 50
Pressure rating for connection:	PN 50
Flange size for motor:	FT130
Connect code:	P
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	100LC
IE Efficiency class:	IE3
Rated power - P2:	3 kW
Power (P2) required by pump:	3 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	11.0/6.30 A
Starting current:	840-920 %
Cos phi - power factor:	0.87-0.82
Rated speed:	2900-2920 rpm
Efficiency:	IE3 87,1%
Motor efficiency at full load:	87.1 %



Description	Value
Motor efficiency at 3/4 load:	88.0 %
Motor efficiency at 1/2 load:	87.7 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	85U05510
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	55 kg
Gross weight:	59 kg
Shipping volume:	0.13 m <sup>3</sup>
Danish VVS No.:	385913080
Country of origin:	GB
Custom tariff no.:	84137075

**On request CRN 10-8 A-P-A-E-HQQE 50 Hz**



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

**On request CRN 10-8 A-P-A-E-HQQE 50 Hz**



IEC TP211 THERMALLY PROTECTED WHEN THE THERMISTORS ARE  
CONNECTED TO AMPLIFIER RELAY FOR CONTROL OF MAIN SUPPLY  
THERMISTORS PTC ACCORDING TO DIN 44082

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

