

Qty. Description

1 CRN 20-4 A-P-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: [96500560](#)

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.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

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 data are based: 2919 rpm
 Rated flow: 21 m³/h
 Rated head: 46.7 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

Materials:

Base: Stainless steel
 EN 1.4408
 AISI 316
 Impeller: Stainless steel
 EN 1.4401
 AISI 316
 Bearing: SIC

Installation:

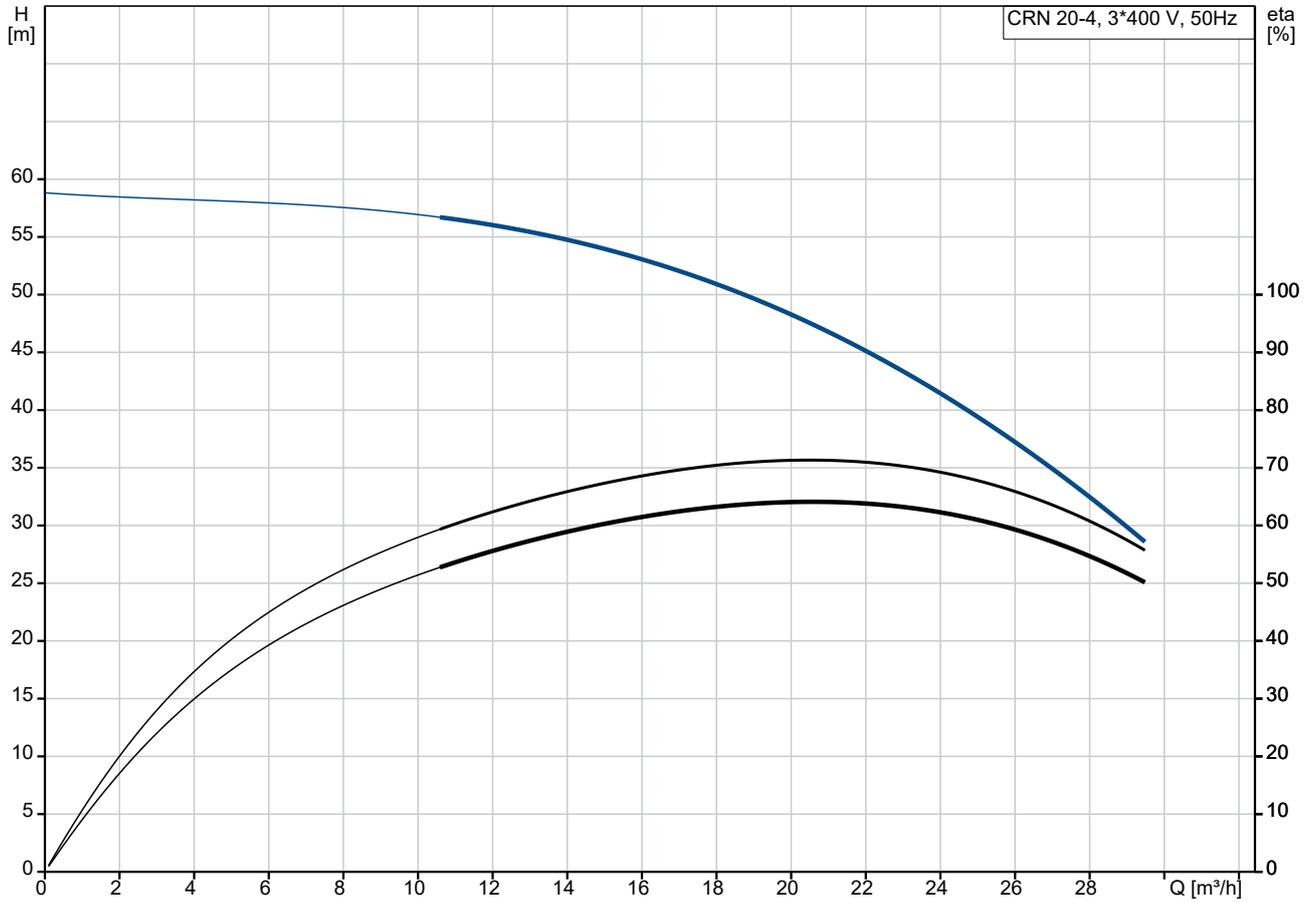
Maximum ambient temperature: 60 °C
 Maximum operating pressure: 25 bar
 Max pressure at stated temp: 25 bar / 120 °C
 25 bar / -20 °C

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: FF265

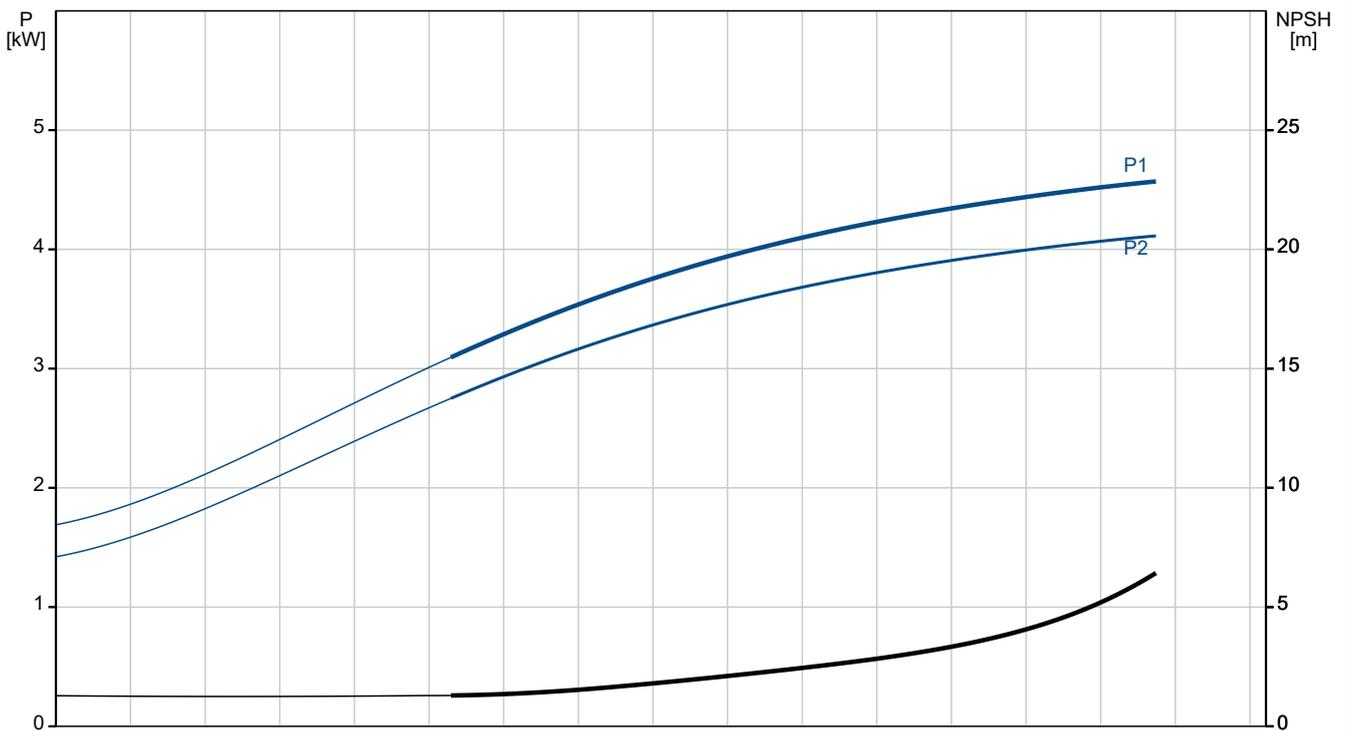
Electrical data:

Qty.	Description
1	<p>Motor standard: IEC</p> <p>Motor type: 132SC</p> <p>Rated power - P2: 5.5 kW</p> <p>Power (P2) required by pump: 5.5 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D V</p> <p>Rated current: 11 A</p> <p>Starting current: 1080-1180 %</p> <p>Cos phi - power factor: 0.87-0.82</p> <p>Rated speed: 2920-2940 rpm</p> <p>IE Efficiency class: IE3</p> <p>Motor efficiency at full load: 89.2 %</p> <p>Motor efficiency at 3/4 load: 90.0-89.8 %</p> <p>Motor efficiency at 1/2 load: 89.6-88.4 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 85U17417</p> <p>Controls:</p> <p>Frequency converter: None</p> <p>Others:</p> <p>Terminal box position: 6</p> <p>Minimum efficiency index, MEI ≥: 0.70</p> <p>Net weight: 82 kg</p> <p>Gross weight: 104 kg</p> <p>Shipping volume: 0.234 m³</p> <p>Danish VVS No.: 385915040</p>

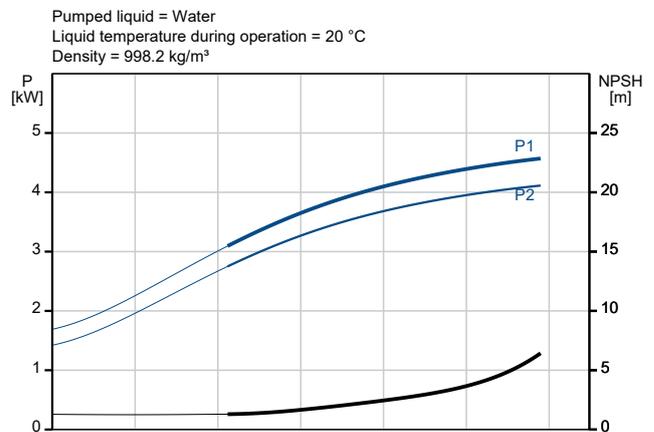
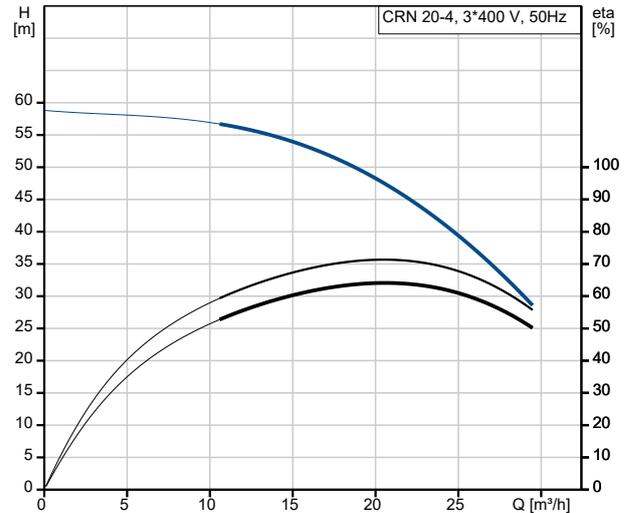
96500560 CRN 20-4 A-P-A-E-HQQE 50 Hz



Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³



Description	Value
General information:	
Product name:	CRN 20-4 A-P-A-E-HQQE
Product No:	96500560
EAN number:	5700396204260
Technical:	
Pump speed on which pump data are based:	2919 rpm
Rated flow:	21 m ³ /h
Rated head:	46.7 m
Maximum head:	58.8 m
Stages:	4
Impellers:	4
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
Materials:	
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
Installation:	
Maximum ambient temperature:	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:	FF265
Connect code:	P
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Motor type:	132SC
Rated power - P2:	5.5 kW
Power (P2) required by pump:	5.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D V
Rated current:	11 A
Starting current:	1080-1180 %





Company name:

Created by:

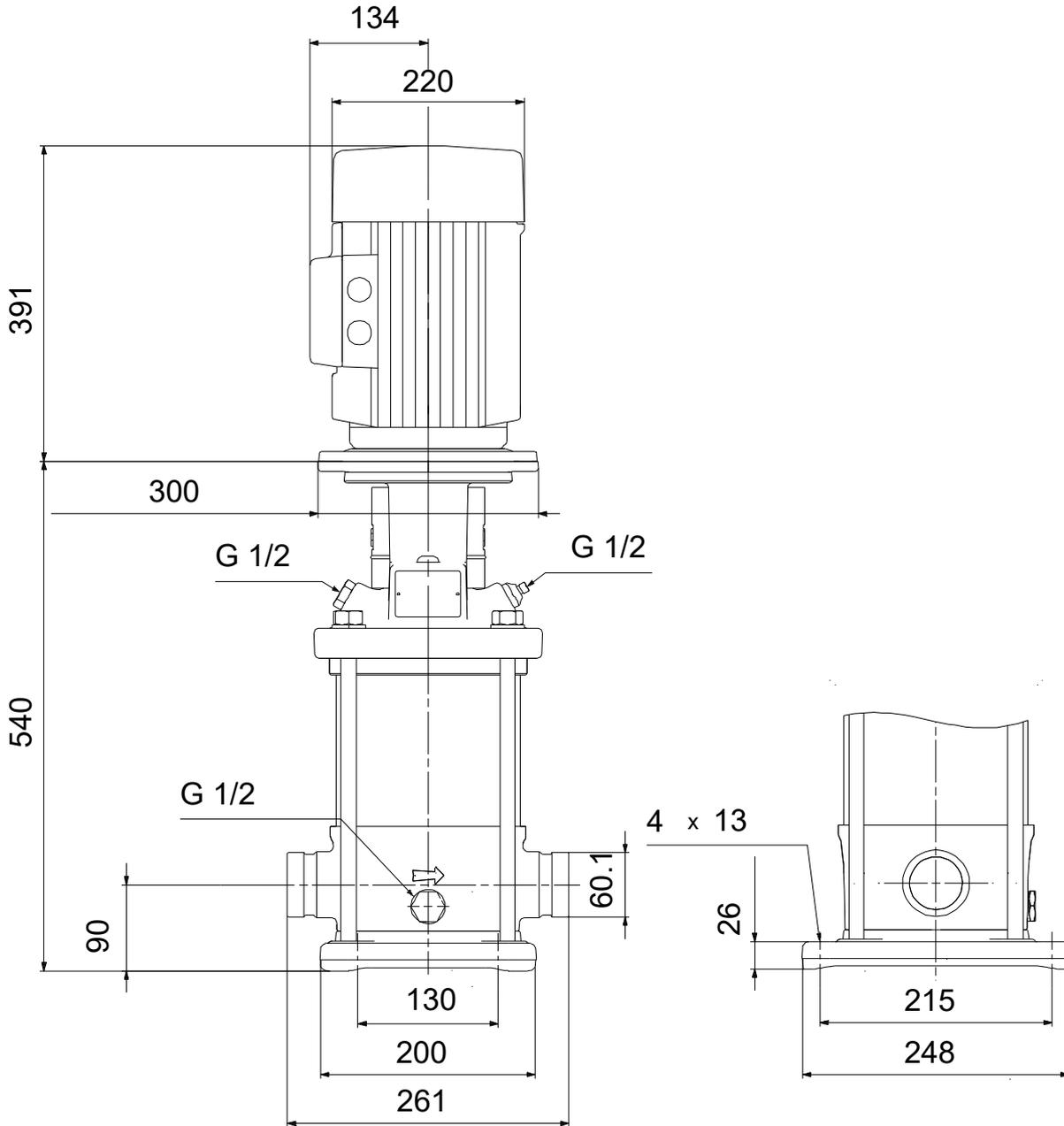
Phone:

Date:

13/07/2024

Description	Value
Cos phi - power factor:	0.87-0.82
Rated speed:	2920-2940 rpm
IE Efficiency class:	IE3
Motor efficiency at full load:	89.2 %
Motor efficiency at 3/4 load:	90.0-89.8 %
Motor efficiency at 1/2 load:	89.6-88.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	85U17417
Controls:	
Frequency converter:	None
Others:	
Terminal box position:	6
Minimum efficiency index, MEI \geq :	0.70
Net weight:	82 kg
Gross weight:	104 kg
Shipping volume:	0.234 m ³
Danish VVS No.:	385915040

96500560 CRN 20-4 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.