## Qty. | Description

## 1 | CRN 20-1 A-P-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: On request

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: 2853 rpm

Rated flow: 21 m³/h
Rated head: 9.9 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:

t max amb:  $60 \, ^{\circ}\text{C}$  Maximum operating pressure:  $25 \, \text{bar}$ 

Max pressure at stated temp: 25 bar / 120 °C

25 bar / -20 °C

Type of connection:

Size of inlet connection:

DN 50

Size of outlet connection:

Pressure rating for connection:

Flange size for motor:

PJE

DN 50

PN 50

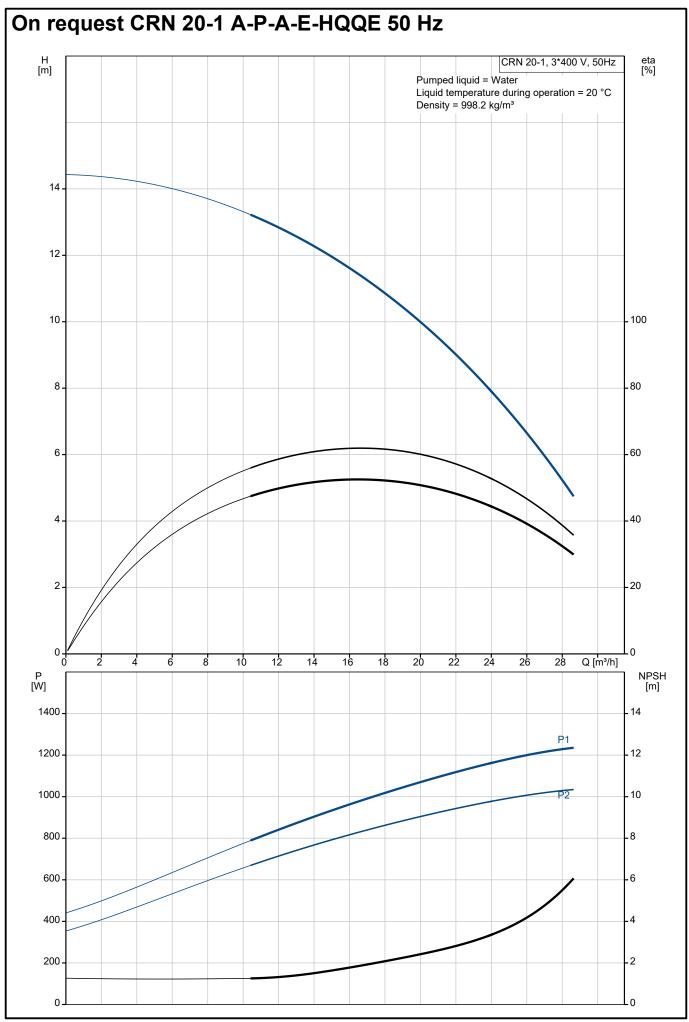
FT100

Electrical data:

Motor standard: IEC
Motor type: 80C
IE Efficiency class: IE3
Rated power - P2: 1.1 kW
Power (P2) required by pump: 1.1 kW
Mains frequency: 50 Hz

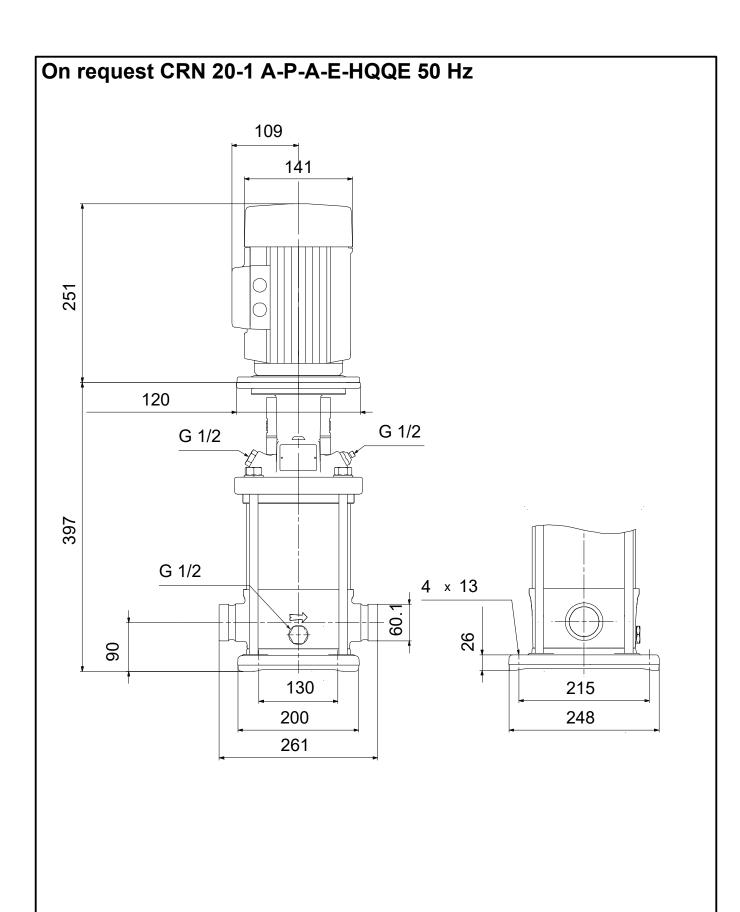
Rated voltage: 3 x 220-240D/380-415Y V

## Qty. Description Rated current: 4.35/2.50 A Starting current: 450-500 % Cos phi - power factor: 0.83-0.76 Rated speed: 2840-2870 rpm Efficiency: IE3 82,7% Motor efficiency at full load: 82.7 % Motor efficiency at 3/4 load: 84.6 % Motor efficiency at 1/2 load: 85.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): Motor No: 85U05105 Controls: Frequency converter: NONE Minimum efficiency index, MEI ≥: 0.70 Net weight: 34 kg Gross weight: 38 kg Shipping volume: 0.094 m<sup>3</sup> Danish VVS No.: 385915010 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H [m]	CRN 20-1, 3*400 V, 50Hz	] [
General information:			Pumped liquid = Water	Ι΄
	CRN 20-1		Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	1
Product name:	A-P-A-E-HQQE		Bonoid = 550.2 kg/m	
Product No:	On request	14		
EAN number:	On request			
Technical:		12		1
Pump speed on which pump data are based:	2853 rpm	10		10
Rated flow:	21 m³/h	107		Γ''
Rated head:	9.9 m	-		
Maximum head:	14 m	8 🗕		- 80
	2	-		
Stages:		6		60
Impellers:	1			T
Number of reduced-diameter impellers:	0			
Low NPSH:	N	4 -		40
Pump orientation:	Vertical			
Shaft seal arrangement:	Single		//	20
Code for shaft seal:	HQQE	2 -		T20
		- I .	/	
Approvals:	CE,EAC,UKCA,SEPRO	0 <u> </u>	5 10 15 20 25 Q [m³/h]	Lo
Approvals for drinking water:	WRAS,ACS	P [W]		۱ [
Curve tolerance:	ISO9906:2012 3B	[W]		L
Pump version:	A		P1_	
Model:	A	1200 -		12
Materials:	/1	1000	P2	10
	0			
Base:	Stainless steel	800 -		-8
Base:	EN 1.4408	600		-6
Base:	AISI 316		//         /	1
Impeller:	Stainless steel	400		-4
Impeller:	EN 1.4401	200 -		-2
Impeller:	AISI 316			1
Material code:	A A	0 1		Lο
		- The state of the	109	
Code for rubber:	E		141	
Bearing:	SIC			
Installation:		Ī		
t max amb:	60 °C			
Maximum operating pressure:	25 bar	251		
Max pressure at stated temp:	25 bar / 120 °C	-	<del>'                                    </del>	
Max pressure at stated temp:	25 bar / -20 °C	-	<del></del>	
		120		
Type of connection:	PJE		G 1/2 G 1/2	
Size of inlet connection:	DN 50			
Size of outlet connection:	DN 50	76		
Pressure rating for connection:	PN 50	397		
Flange size for motor:	FT100	- <u>G</u>	1/2 4 × 13	
Connect code:	P	-		
Liquid:	•	- 6		
	Motor		130 215	
Pumped liquid:	Water		200 248	
Liquid temperature range:	-20 120 °C		261	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³		HIGH VOLTAGE	
Electrical data:		<b>6</b>	DIRECTION OF ROTATION	
Motor standard:	IEC	-   "		
Motor type:	80C			
IE Efficiency class:	IE3	.   🝆		
Rated power - P2:	1.1 kW		(KS <del>TI</del> 3	
Power (P2) required by pump:	1.1 kW	_   _	` <b>``</b> ``\$\\	
Mains frequency:	50 Hz	'	® <u>@</u>	
Rated voltage:	3 x 220-240D/380-415Y		L LOW VOLTAGE DIRECTION OF ROTATION	
	V	100	; <u>-</u>	
Rated current:	4.35/2.50 A	-		
Starting current:	450-500 %	E T		
Cos phi - power factor:	0.83-0.76	🗸 ۱		
Rated speed:	2840-2870 rpm	-		
Efficiency:	IE3 82,7%	-	`- <u>`</u>	
		-   _		
Motor efficiency at full load:	82.7 %	$\Box$	(2) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	

Description	Value		
Motor efficiency at 3/4 load:	84.6 %		
Motor efficiency at 1/2 load:	85.4 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	85U05105		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	34 kg		
Gross weight:	38 kg		
Shipping volume:	0.094 m³		
Danish VVS No.:	385915010		
Country of origin:	GB		
Custom tariff no.:	84137075		



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

## On request CRN 20-1 A-P-A-E-HQQE 50 Hz **HIGH VOLTAGE DIRECTION OF ROTATION** LOW VOLTAGE **DIRECTION OF ROTATION** Note! All units are in [mm] unless others are stated.

	Order Data:								
Position	Your pos.	Product name	Amount	Product No	Total				
		CRN 20-1	1	On request	Price on request				
					request				
			<u> </u>						