## Qty. | Description

## 1 CRN 3-11 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: 3 m³/h
Rated head: 52.7 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:

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 32

Size of outlet connection:

Pressure rating for connection:

PN 50

Flange size for motor:

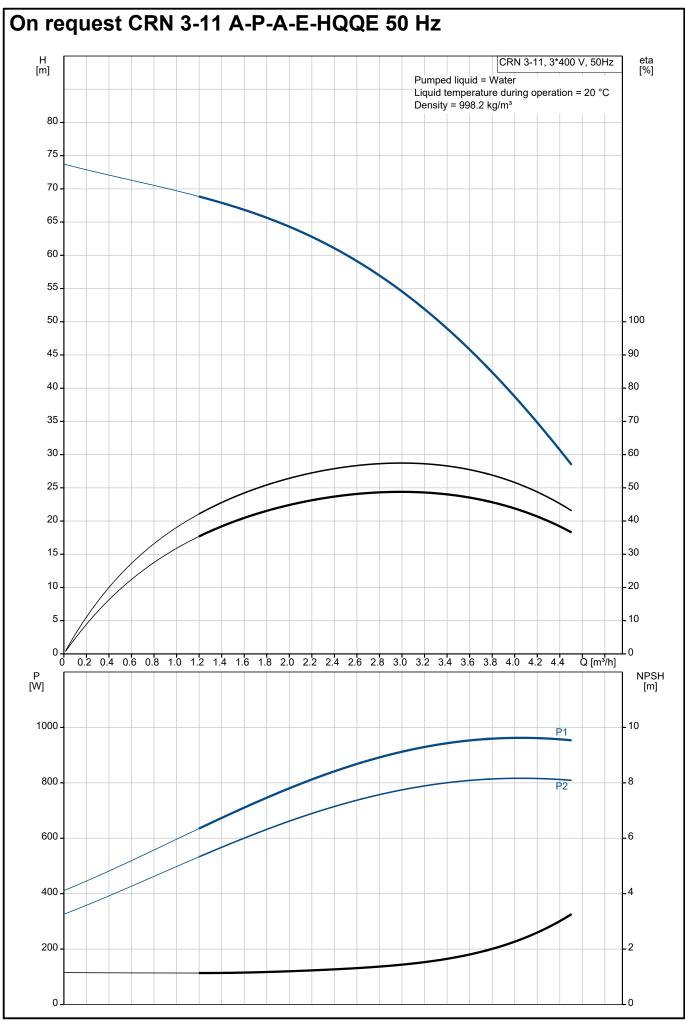
FT100

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

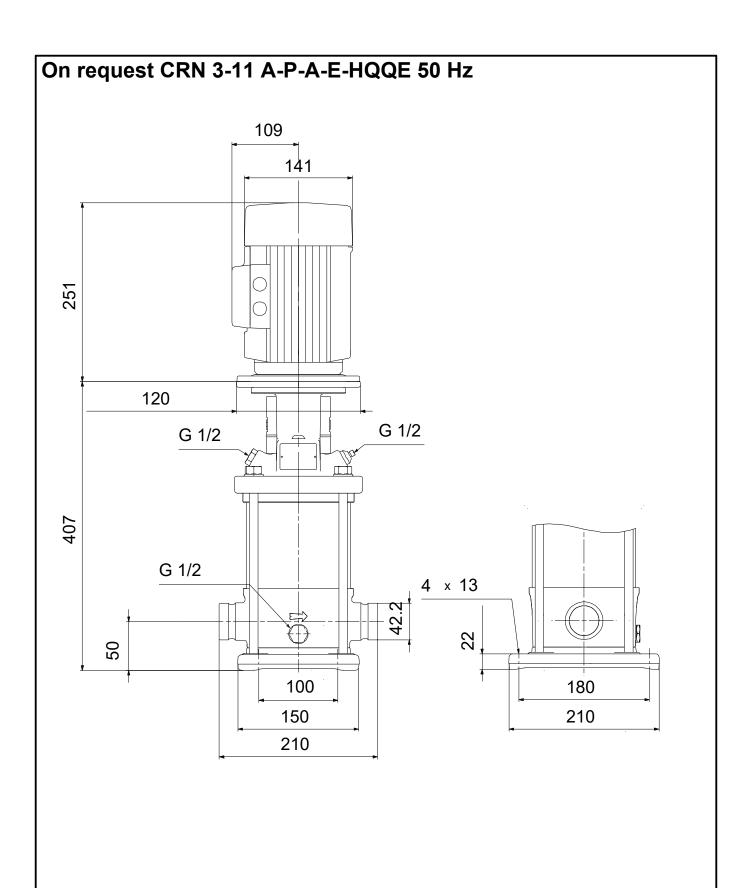
Rated voltage: 3 x 220-240D/380-415Y V

## 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: 24.8 kg Gross weight: 27.7 kg Shipping volume: 0.074 m<sup>3</sup> Danish VVS No.: 385911011 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H [m]	CRN 3-11, 3*400 V, 50Hz	eta [%]
General information:	14.40	-	Pumped liquid = Water Liquid temperature during operation = 20 °C	
Product name:	CRN 3-11	80 -	Density = 998.2 kg/m³	1
	A-P-A-E-HQQE	75		
Product No:	On request	70		-
EAN number:	On request	65		
Technical:		60		
Pump speed on which pump data are based:	2853 rpm	55 -		
Rated flow:	3 m³/h	50 -		100
Rated head:	52.7 m	45		90
Maximum head:	72.6 m	40		- 80
Stages:	11	35		70
Impellers:	11	30		- 60
Number of reduced-diameter impellers:	0	25 -	\	- 50
Low NPSH:	N			
Pump orientation:	Vertical	20 -		- 40
Shaft seal arrangement:	Single	15		<b>-</b> 30
Code for shaft seal:	HQQE	10		- 20
* · - · - · · · · · · · · · · · ·		5-	/	<b>-</b> 10
Approvals:	CE,EAC,UKCA,SEPRO	0 <u>//</u>	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 Q[m³/h]	Lo
Approvals for drinking water:	WRAS,ACS	Р 🗀	5.5 1.6 1.6 2.6 2.6 5.6 5.6 4.0 Q [III/II]	NPSH
Curve tolerance:	ISO9906:2012 3B	[W]		[m]
Pump version:	Α	1000 -	P1	<b>-</b> 10
Model:	Α	800		_8
Materials:		- "	P2	-
Base:	Stainless steel	600		-6
Base:	EN 1.4408	-		
Base:	AISI 316	400		-4
Impeller:	Stainless steel	-		
Impeller:	EN 1.4401	200 -		-2
Impeller:	AISI 316			$L_0$
Material code:	A			
Code for rubber:	E	**	109	
Bearing:	SIC		141	
Installation:				
t max amb:	60 °C	_	<u> </u>	
Maximum operating pressure:	25 bar	251		
Max pressure at stated temp:	25 bar / 120 °C	-		
Max pressure at stated temp:	25 bar / -20 °C	120		
Type of connection:	PJE	G 1	1/2 G 1/2	
Size of inlet connection:	DN 32	-   -		
Size of outlet connection:	DN 32		\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	
Pressure rating for connection:	PN 50	407		
Flange size for motor:	FT100	G 1/2	4 × 13	
Connect code:	Р	-   <u>-</u>		
Liquid:		- 20		
Pumped liquid:	Water	- '	150 150 180 210	
Liquid temperature range:	-20 120 °C		210	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³		HIGH VOLTAGE	
Electrical data:	<u> </u>	(C) .	DIRECTION OF ROTATION	
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	_   >-	®ă <sup>™</sup>	
Rated voltage:	3 x 220-240D/380-415Y		LOW VOLTAGE DIRECTION OF ROTATION	
Rated current:	v 4.35/2.50 A	-		
Starting current:	450-500 %	-   <sub>2</sub> 7	<del> </del>	
Cos phi - power factor:	0.83-0.76			
Rated speed:	2840-2870 rpm	_	T-19841	
Efficiency:	IE3 82,7%	-		
Motor efficiency at full load:	82.7 %	-   _		
wotor emolericy at full load:	OZ.1 70			

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:	24.8 kg	
Gross weight:	27.7 kg	
Shipping volume:	0.074 m³	
Danish VVS No.:	385911011	
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 3-11 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.

Position	Your pos.	Product name CRN 3-11	Amount 1	On request	<b>Total</b> Price on request
		CRN 3-11	1	On request	Price on request
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