## Qty. | Description

## 1 CRN 3-4 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: 2873 rpm

Rated flow: 3 m³/h
Rated head: 19.1 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:

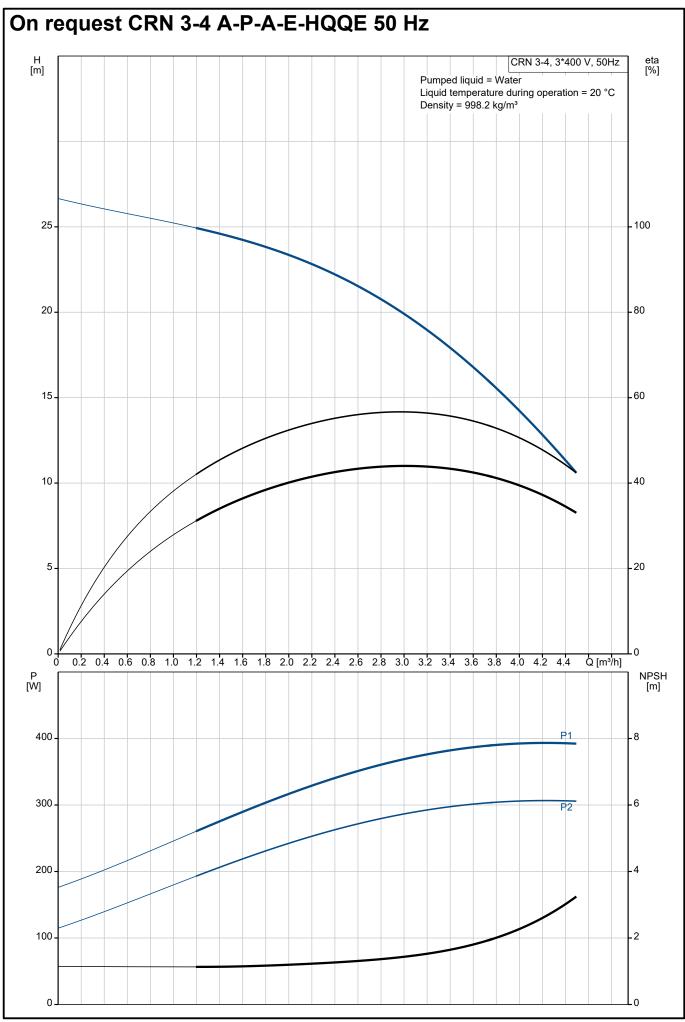
FT85

Electrical data:

Motor standard: IEC
Motor type: 71A
IE Efficiency class: IE3
Rated power - P2: 0.37 kW
Power (P2) required by pump: 0.37 kW
Mains frequency: 50 Hz

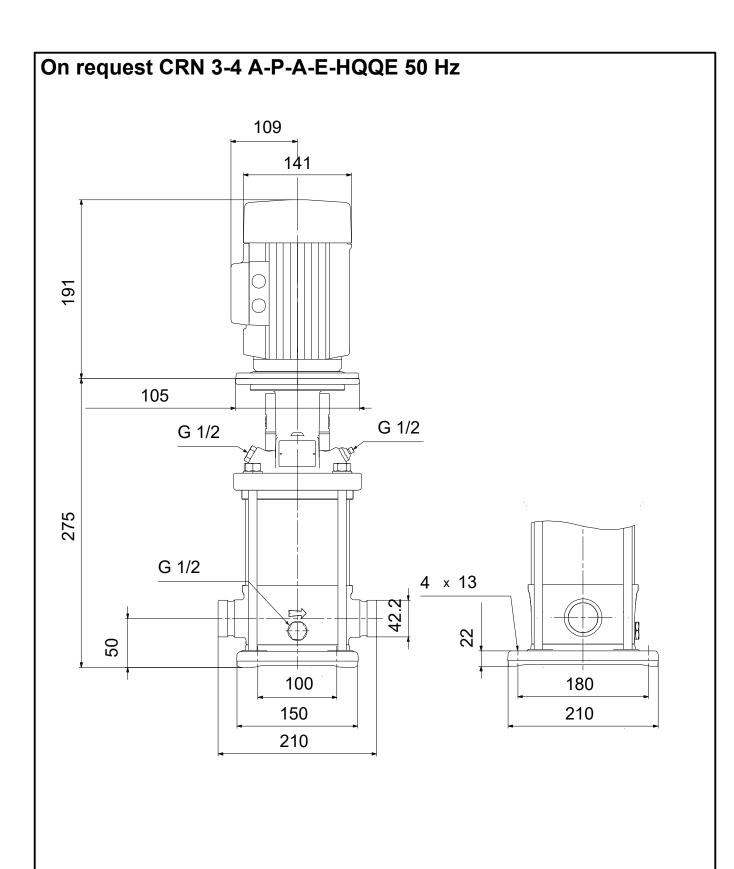
Rated voltage: 3 x 220-240D/380-415Y V

## Qty. Description Rated current: 1.74/1.00 A Starting current: 490-530 % Cos phi - power factor: 0.80-0.70 Rated speed: 2850-2880 rpm Efficiency: IE3 73,8% Motor efficiency at full load: 73.8 % Motor efficiency at 3/4 load: 79.0 % Motor efficiency at 1/2 load: 75.5 % Number of poles: Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): Motor No: 85805102 Controls: Frequency converter: NONE Minimum efficiency index, MEI ≥: 0.70 Net weight: 17 kg Gross weight: 19.7 kg Shipping volume: 0.054 m<sup>3</sup> Danish VVS No.: 385911004 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H [m] CRN 3-4, 3*400 V, 50Hz
General information:		Pumped liquid = Water
Product name:	CRN 3-4	Liquid temperature during operation = 20 °C  Density = 998.2 kg/m³
Floudet Hairie.	A-P-A-E-HQQE	
Product No:	On request	
EAN number:	On request	25
Technical:	on request	20]
Pump speed on which pump data are	0070	
based:	2873 rpm	20 - 80
Rated flow:	3 m³/h	
Rated head:	19.1 m	
Maximum head:	26.5 m	15 - 60
Stages:	4	
Impellers:	4	
Number of reduced-diameter impellers:	0	10 40
Low NPSH:	N	
	Vertical	
Pump orientation:		5
Shaft seal arrangement:	Single	
Code for shaft seal:	HQQE	
Approvals:	CE,EAC,UKCA,SEPRO	0
Approvals for drinking water:	WRAS,ACS	0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 Q [m³/h] P NP [W]
Curve tolerance:	ISO9906:2012 3B	
Pump version:	A	400 P1 8
Model:	A	
Materials:	• •	300
Base:	Stainless steel	300 P2 6
Base:	EN 1.4408	200
Base:	AISI 316	
Impeller:	Stainless steel	100
Impeller:	EN 1.4401	
Impeller:	AISI 316	0
Material code:	Α	•
Code for rubber:	E	** 109 ************************************
Bearing:	SIC	141 1
Installation:		
t max amb:	60 °C	
Maximum operating pressure:	25 bar	6 6
Max pressure at stated temp:	25 bar / 120 °C	
Max pressure at stated temp:	25 bar / -20 °C	
Type of connection:	PJE	105
Size of inlet connection:	DN 32	G 1/2
Size of outlet connection:	DN 32	
Pressure rating for connection:	PN 50	G 1/2
Flange size for motor:	FT85	4 × 13
Connect code:	Р	8 7 8
Liquid:		100
Pumped liquid:	Water	150   180   210
Liquid temperature range:	-20 120 °C	210
Selected liquid temperature:	20 °C	·
Density:	998.2 kg/m³	HIGH VOLTAGE
Electrical data:	· · · · · · · · · · · · · · · · · ·	DIRECTION OF ROTATION
Motor standard:	IEC	
	71A	
Motor type:		<b>L</b>
IE Efficiency class:	IE3	
Rated power - P2:	0.37 kW	
Power (P2) required by pump:	0.37 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-415Y V	LOW VOLTAGE DIRECTION OF ROTATION
Rated current:	v 1.74/1.00 A	
Starting current:	490-530 %	
Cos phi - power factor:	0.80-0.70	
Rated speed:	2850-2880 rpm	
Efficiency:	IE3 73,8%	
Motor efficiency at full load:	73.8 %	

Description	Value		
Motor efficiency at 3/4 load:	79.0 %		
Motor efficiency at 1/2 load:	75.5 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	85805102		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	17 kg		
Gross weight:	19.7 kg		
Shipping volume:	0.054 m³		
Danish VVS No.:	385911004		
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 3-4 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 3-4	1	On request	Price on request			
					request			
			<u> </u>					