Qty. | Description

1 **CRN 5-7 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: 5.8 m³/h
Rated head: 35.3 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:

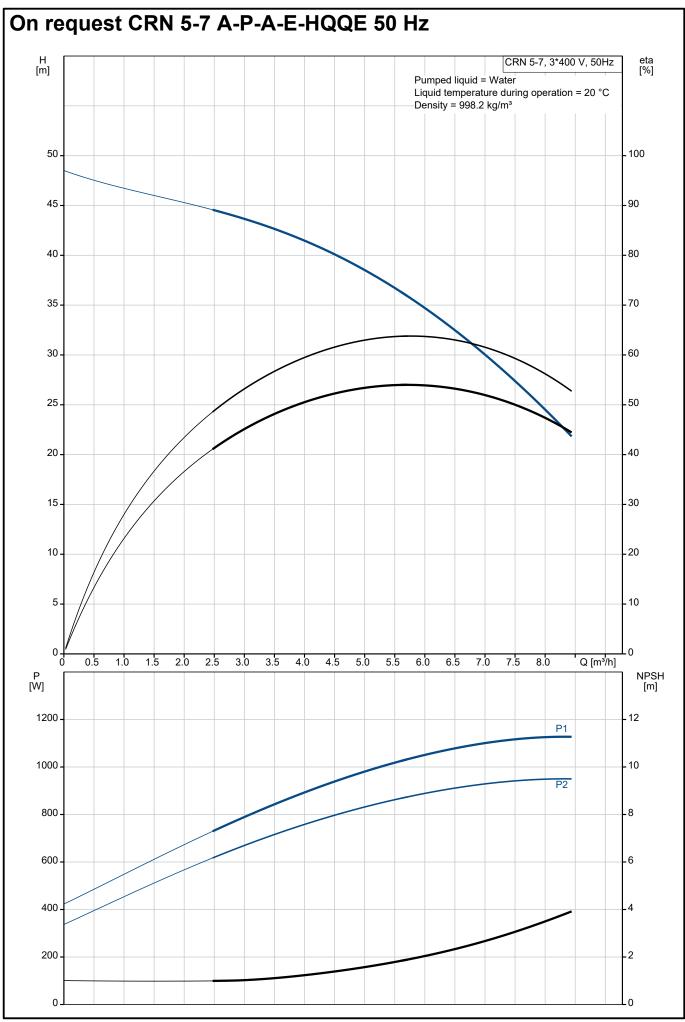
FT100

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

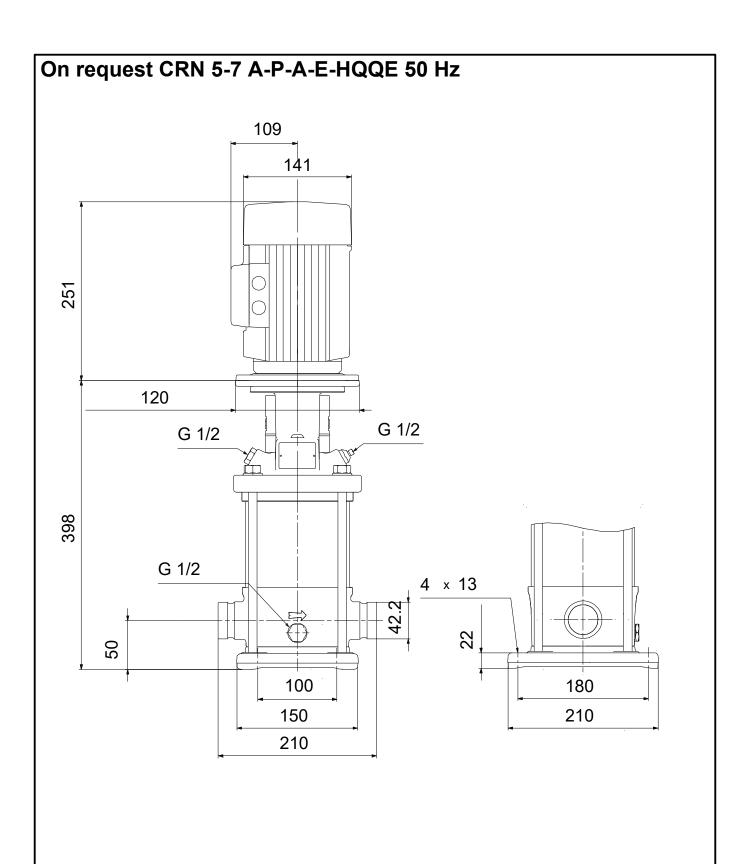
Rated voltage: 3 x 220-240D/380-415Y V

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 ≥: 0.57 Net weight: 24.4 kg Gross weight: 27.2 kg Shipping volume: 0.074 m³ Danish VVS No.: 385912007 Norwegian NRF no.: 9040476 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H [m]	CRN 5-7, 3*400 V, 50Hz	eta [%]
General information:	Value	_ []	Pumped liquid = Water	[,0]
Product name:	CRN 5-7 A-P-A-E-HQQE	50 -	Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	- 100
Product No:	On request	-		
EAN number:	On request	45 -		- 90
Technical:	On request	40		-80
Pump speed on which pump data are based:	2853 rpm	35		-70
Rated flow:	5.8 m³/h	_		
Rated head:	35.3 m	30 -		-60
Maximum head:	49 m	25 -		- 50
Stages:	7	25-		- 50
Impellers:	7	20		40
Number of reduced-diameter impellers:	0	_		
Low NPSH:	N	15		- 30
Pump orientation:	Vertical	10		- 20
Shaft seal arrangement:	Single	10-1		- 20
Code for shaft seal:	HQQE	5		10
	CE,EAC,UKCA,SEPRO	- //		
Approvals:		o <u>V</u>	1 2 3 4 5 6 7 Q [m³/h]	L ₀
Approvals for drinking water:	WRAS,ACS	P [W]		NPSH [m]
Curve tolerance:	ISO9906:2012 3B	_ `	P1	- ` '
Pump version:	A	1000		- 10
Model:	Α	1000	P2	['
Materials:		800 -		-8
Base:	Stainless steel	600		-6
Base:	EN 1.4408	1		-0
Base:	AISI 316	400 -		-4
Impeller:	Stainless steel	200		-2
Impeller:	EN 1.4401	200 -		
Impeller:	AISI 316	_ ₀⊥		Lo
Material code:	A	-	109	
Code for rubber:	E		141	
Bearing:	SIC	_		
Installation:		_		
t max amb:	60 °C	- 2		
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 1/2 G 1/2	
Size of inlet connection:	DN 32			
Size of outlet connection:	DN 32	398		
Pressure rating for connection:	PN 50		1/2	
Flange size for motor:	FT100	. =	4 × 13	
Connect code:	Р	20		
Liquid:			100 180	
Pumped liquid:	Water		150 210	
Liquid temperature range:	-20 120 °C		210	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³	_ (~	HIGH VOLTAGE DIRECTION OF ROTATION	
Electrical data:		6		
Motor standard:	IEC			
Motor type:	80C			
IE Efficiency class:	IE3	_ 🝆		
Rated power - P2:	1.1 kW			
Power (P2) required by pump:	1.1 kW	_ >-	5	
Mains frequency:	50 Hz	_ `	<u>@</u> @	
Rated voltage:	3 x 220-240D/380-415Y V	6	LOW VOLTAGE DIRECTION OF ROTATION	
Rated current:	4.35/2.50 A		[]	
Starting current:	450-500 %	- <u>~</u>)	- -	
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 omolority at full load.	J2.1 /0			

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 ≥:	0.57		
Net weight:	24.4 kg		
Gross weight:	27.2 kg		
Shipping volume:	0.074 m³		
Danish VVS No.:	385912007		
Norwegian NRF no.:	9040476		
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 5-7 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 5-7	1	On request	Price on request			
					request			