Qty. | Description

1 | CRN 3-8 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: 2864 rpm

Rated flow: 3 m³/h
Rated head: 38.3 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:

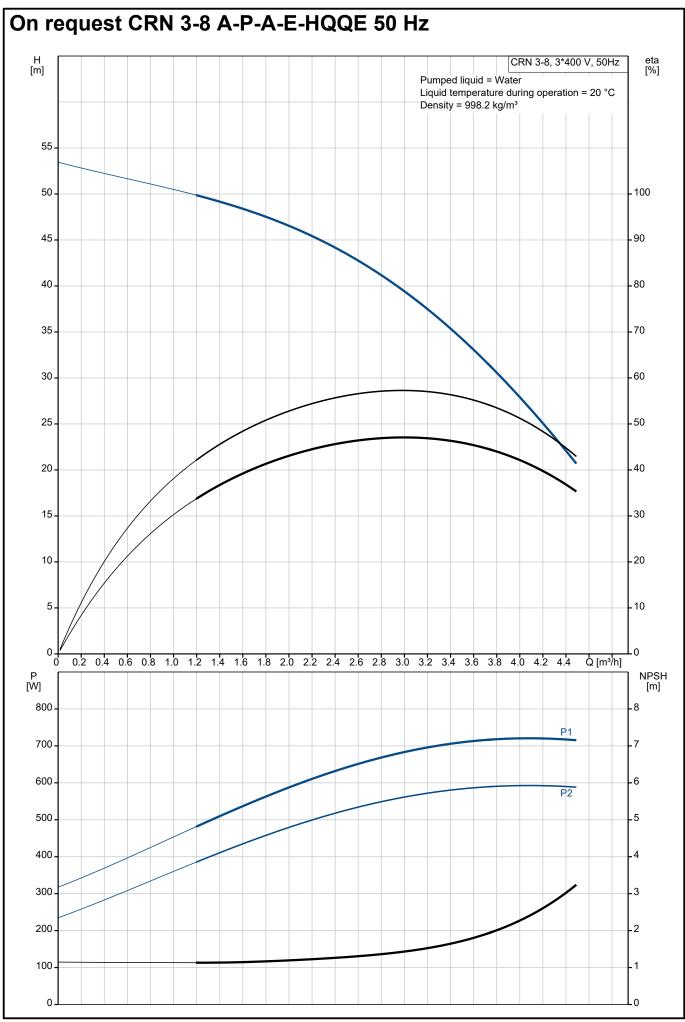
FT100

Electrical data:

Motor standard: IEC
Motor type: 80A
IE Efficiency class: IE3
Rated power - P2: 0.75 kW
Power (P2) required by pump: 0.75 kW
Mains frequency: 50 Hz

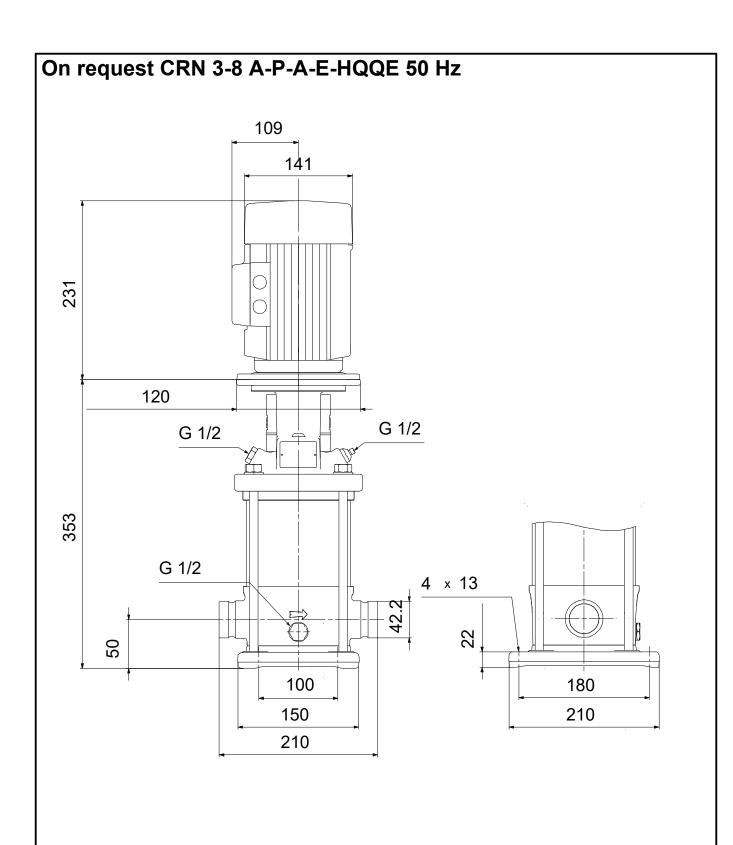
Rated voltage: 3 x 220-240D/380-415Y V

Qty. Description Rated current: 3.30/1.90 A Starting current: 580-620 % Cos phi - power factor: 0.81-0.71 Rated speed: 2840-2870 rpm Efficiency: IE3 80,7% Motor efficiency at full load: 80.7 % Motor efficiency at 3/4 load: 82.7 % Motor efficiency at 1/2 load: 81.7 % Number of poles: Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): Motor No: 85U05104 Controls: Frequency converter: NONE Minimum efficiency index, MEI ≥: 0.70 Net weight: 21.6 kg Gross weight: 24.4 kg Shipping volume: 0.063 m³ Danish VVS No.: 385911008 Norwegian NRF no.: 9040465 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H	CRN 3-8, 3*400 V, 50Hz	eta
Description General information:	Value	[m]	Pumped liquid = Water	[%]
	CRN 3-8		Liquid temperature during operation = 20 °C Density = 998.2 kg/m³	
Product name:	A-P-A-E-HQQE	55 -	Bensity = 350.2 kg/m	
Product No:	On request	50 -		. 100
EAN number:	On request			
Technical:		45 -		90
Pump speed on which pump data are	2864 rpm	40 -		.80
based:	2004 19111			
Rated flow:	3 m³/h	35 -		.70
Rated head:	38.3 m	30 -		. 60
Maximum head:	52.8 m	_ 30-		. 00
Stages:	8	25 -		. 50
Impellers:	8	- 20		. 40
Number of reduced-diameter impellers:	0	20 -		. 40
Low NPSH:	N	15 -		. 30
Pump orientation:	Vertical			
Shaft seal arrangement:	Single	_ 10 -	 	. 20
Code for shaft seal:	HQQE			. 10
	CE,EAC,UKCA,SEPRO			. 10
Approvals:	CE,EAC,UKCA,SEPKO	0 -		.0
Approvals for drinking water:	WRAS,ACS	_ (P	0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 Q [m³/h]	NPSH
Curve tolerance:	ISO9906:2012 3B	_ [W] _		MPSH [m]
			P1	
Pump version:	A	700 -		-7
Model:	Α	600 -	P2	. 6
Materials:		500 -		.5
Base:	Stainless steel	400 -		. 4
Base:	EN 1.4408			•
Base:	AISI 316	300 -		.3
Impeller:	Stainless steel	200 -		-2
Impeller:	EN 1.4401	100 -		.1
Impeller:	AISI 316	0 -		. 0
Material code:	A			
Code for rubber:	E	*	109	
Bearing:	SIC		141	
Installation:				
t max amb:	60 °C	_		
Maximum operating pressure:	25 bar	231		
Max pressure at stated temp:	25 bar / 120 °C	_	H	
Max pressure at stated temp:	25 bar / -20 °C	-		
Type of connection:	PJE	- 1	120	
Size of inlet connection:	DN 32	_	G 1/2	
Size of outlet connection:	DN 32	_		
		353		
Pressure rating for connection:	PN 50	_	G 1/2	
Flange size for motor:	FT100		4 × 13	
Connect code:	Р	20		
Liquid:		4,	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	
Electrical data:		(C)	DIRECTION OF ROTATION	
Motor standard:	IEC	- [.	[
Motor type:	80A		r 	
IE Efficiency class:	IE3			
Rated power - P2:	0.75 kW	-		
Power (P2) required by pump:	0.75 kW	- 、		
Mains frequency:	50 Hz	_ >-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Rated voltage:	3 x 220-240D/380-415Y V	(E)		
Rated current:	3.30/1.90 A	- (%)		
Starting current:	580-620 %	- _ 7		
			7	
Cos phi - power factor:	0.81-0.71	_ 🕶		
Rated speed:	2840-2870 rpm	_		
Efficiency:	IE3 80,7%	1	<u>~~</u> t∂ ;	
Motor efficiency at full load:	80.7 %	-		

Description	Value		
Motor efficiency at 3/4 load:	82.7 %		
Motor efficiency at 1/2 load:	81.7 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	85U05104		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	21.6 kg		
Gross weight:	24.4 kg		
Shipping volume:	0.063 m³		
Danish VVS No.:	385911008		
Norwegian NRF no.:	9040465		
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 3-8 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 3-8	1	On request	Price on request		
					request		