## Qty. | Description

## 1 | CRN 1-10 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: 2856 rpm

Rated flow: 1.8 m³/h
Rated head: 47.1 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:

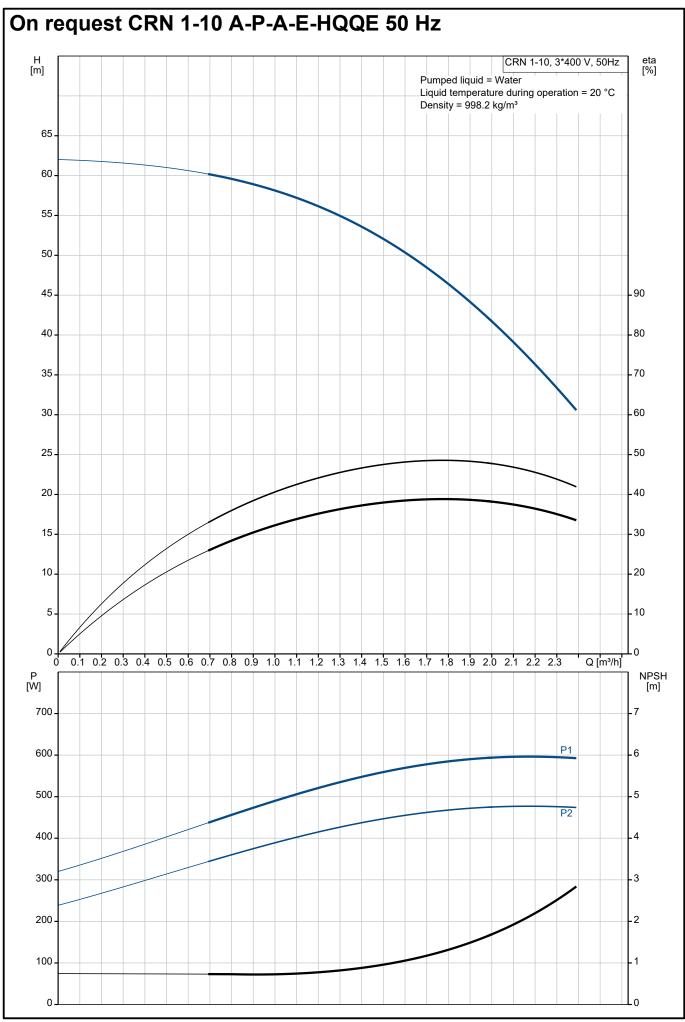
FT85

Electrical data:

Motor standard: IEC
Motor type: 71B
IE Efficiency class: IE3
Rated power - P2: 0.55 kW
Power (P2) required by pump: 0.55 kW
Mains frequency: 50 Hz

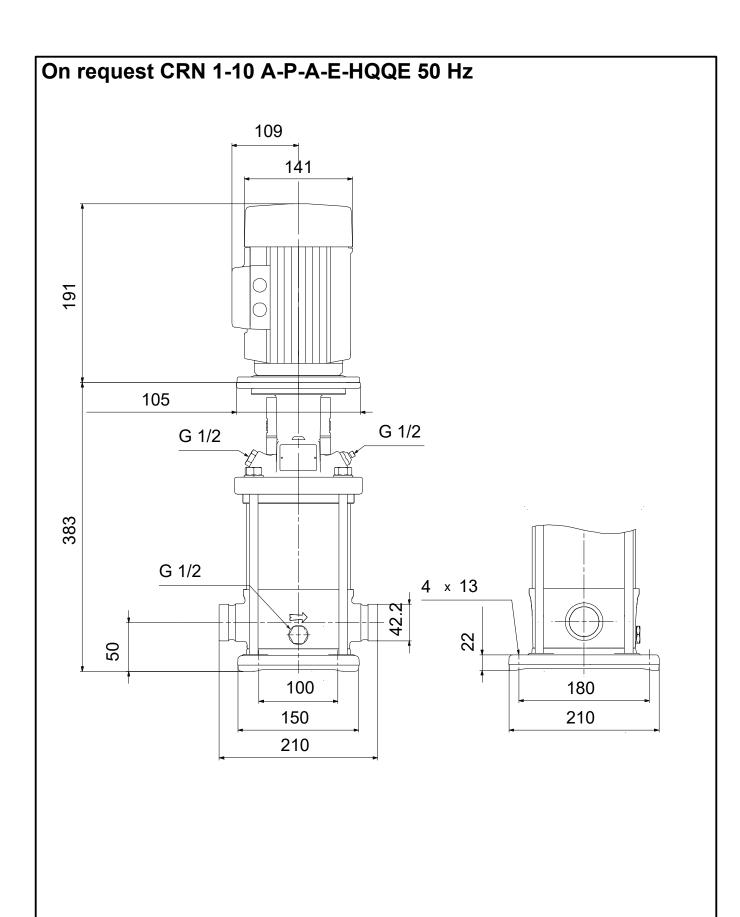
Rated voltage: 3 x 220-240D/380-415Y V

## Qty. Description 2.50/1.44 A Rated current: Starting current: 580-620 % Cos phi - power factor: 0.80-0.70 Rated speed: 2830-2850 rpm Efficiency: IE3 77,8% Motor efficiency at full load: 77.8 % Motor efficiency at 3/4 load: 81.5 % Motor efficiency at 1/2 load: 79.5 % Number of poles: Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): Motor No: 85805103 Controls: Frequency converter: NONE Minimum efficiency index, MEI ≥: 0.70 Net weight: 18.9 kg Gross weight: 21.7 kg Shipping volume: 0.063 m<sup>3</sup> Danish VVS No.: 385910010 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H [m]	CRN 1-10, 3*400 V, 50Hz	eta [%]
General information:			Pumped liquid = Water Liquid temperature during operation = 20 °C	1
Product name:	CRN 1-10	65 -	Density = 998.2 kg/m³	1
	A-P-A-E-HQQE	60 -		
Product No:	On request			
EAN number:	On request	55 -		
Technical:		50 -		
Pump speed on which pump data are	2050			
based:	2856 rpm	45 -		90
Rated flow:	1.8 m³/h	40		80
		7.0		Γοο
Rated head:	47.1 m	35 -		- 70
Maximum head:	62 m	30		60
Stages:	10	30 -		- 00
Impellers:	10	25 🗕		- 50
Number of reduced-diameter impellers:	0	20 -		40
Low NPSH:	N	20		- 40
		15 🗕		30
Pump orientation:	Vertical	40		20
Shaft seal arrangement:	Single	10 -		- 20
Code for shaft seal:	HQQE	5 -		10
Approvals:	CE,EAC,UKCA,SEPRO	<u> </u>		<u>ا</u> ر
••		0 1	0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 Q[m³/h]	L <sub>0</sub>
Approvals for drinking water:	WRAS,ACS	Р		NPSH
Curve tolerance:	ISO9906:2012 3B	[W]		[m]
Pump version:	A			
Model:		600 -	P1	-6
	Α	500		5
Materials:			P2	
Base:	Stainless steel	400 -		- 4
Base:	EN 1.4408	300		3
Base:	AISI 316			
Impeller:	Stainless steel	200 -		-2
Impeller:	EN 1.4401	100		L <sub>1</sub>
		1007		Γ'
Impeller:	AISI 316	ىــــــ 0		Lo
Material code:	Α			
Code for rubber:	E	*	109	
Bearing:	SIC		141	
Installation:				
t max amb:	60 °C		<u> </u>	
Maximum operating pressure:	25 bar	161		
. •		-	49	
Max pressure at stated temp:	25 bar / 120 °C		<u> </u>	
Max pressure at stated temp:	25 bar / -20 °C	105		
Type of connection:	PJE		G 1/2 G 1/2	
Size of inlet connection:	DN 32	-	Z-III-X	
Size of outlet connection:	DN 32		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Pressure rating for connection:	PN 50	383		
=			1/2	
Flange size for motor:	FT85	1	4 × 13	
Connect code:	Р	20		
Liquid:		2		
Pumped liquid:	Water		150   180   210	
Liquid temperature range:	-20 120 °C		210	
Selected liquid temperature:	20 °C		<del></del>	
Density:	998.2 kg/m³	6	HIGH VOLTAGE DIRECTION OF ROTATION	
Electrical data:		100	<del>;</del> ;	
Motor standard:	IEC		r <del>=</del>	
Motor type:	71B		[	
IE Efficiency class:	IE3	🖶		
Rated power - P2:	0.55 kW			
•		1.		
Power (P2) required by pump:	0.55 kW	}-		
Mains frequency:	50 Hz		<u> 원</u>	
Rated voltage:	3 x 220-240D/380-415Y	c.4	LOW VOLTAGE DIRECTION OF ROTATION	
-	V	6	[	
Rated current:	2.50/1.44 A	~	<sub>[</sub>	
Starting current:	580-620 %	(A)	[	
Cos phi - power factor:	0.80-0.70	[ <u>S</u>		
			1 B ~ 1	
Rated speed:	2830-2850 rpm			
Efficiency:	IE3 77,8%			
Motor efficiency at full load:	77.8 %	⊲		

Description	Value		
Motor efficiency at 3/4 load:	81.5 %		
Motor efficiency at 1/2 load:	79.5 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	85805103		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	18.9 kg		
Gross weight:	21.7 kg		
Shipping volume:	0.063 m³		
Danish VVS No.:	385910010		
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 1-10 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 1-10	1	On request	Price on request			