Qty. | Description

1 | CRN 10-1 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: 10 m³/h
Rated head: 7.1 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 50

Size of outlet connection:

Pressure rating for connection:

PN 50

Flange size for motor:

PJE

DN 50

PN 50

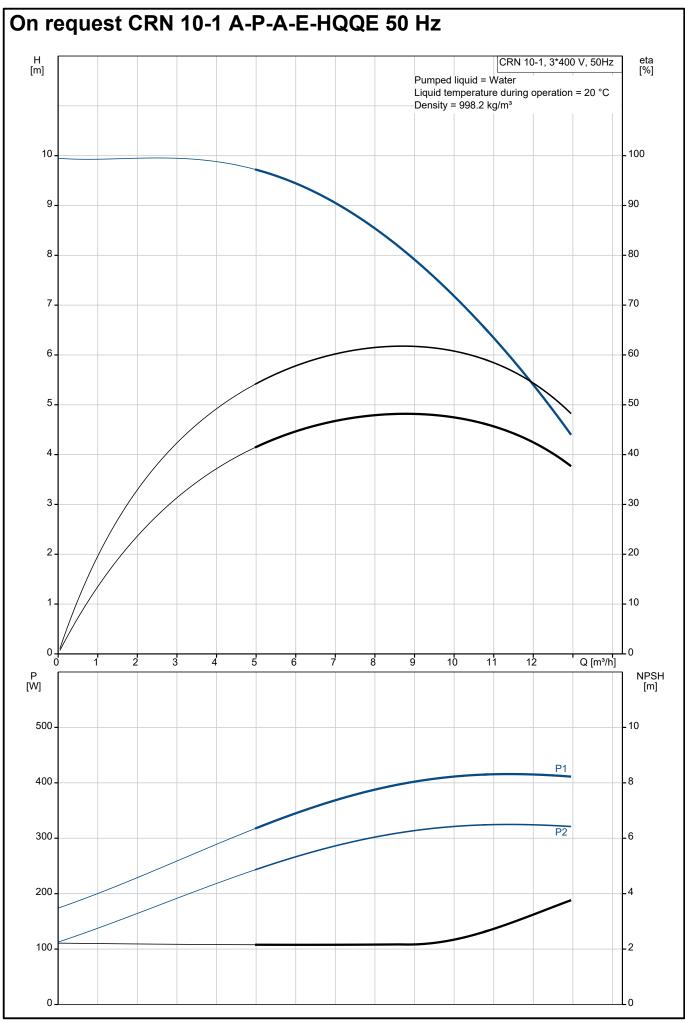
FT85

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

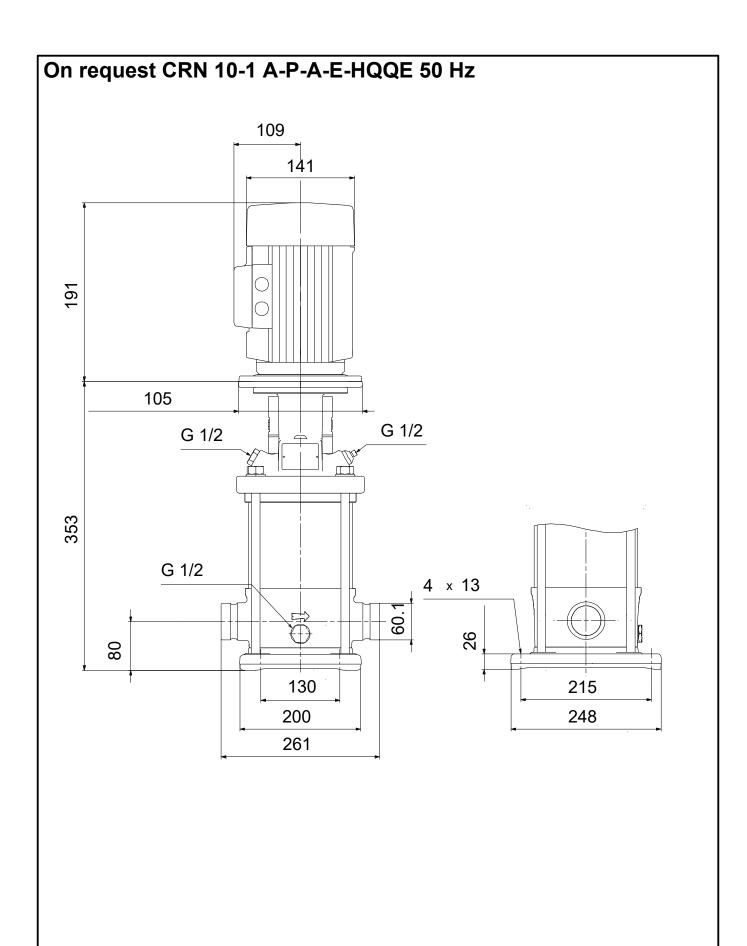
Rated voltage: 3 x 220-240D/380-415Y V

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: 29 kg Gross weight: 32 kg Shipping volume: 0.08 m³ Danish VVS No.: 385913010 Country of origin: GB Custom tariff no.: 84137075



Description	Value	H [m]		CRN 10-1, 3*400 V, 50Hz	eta [%]
General information:		-	Pumped liquid = Wa	ter luring operation = 20 °C	
Product name:	CRN 10-1 A-P-A-E-HQQE	10	Density = 998.2 kg/r	n³	100
Product No:	On request	9			90
EAN number:	On request	9			30
Technical:		8			-80
Pump speed on which pump data are based:	2873 rpm	7 -			- 70
Rated flow:	10 m³/h	_		_ \ \	-60
Rated head:	7.1 m	6 -			-60
Maximum head:	9.9 m	5 -			- 50
Stages:	2				
Impellers:	1	4 -			40
Number of reduced-diameter impellers: Low NPSH:	0	3 -			- 30
	N Vertical	_ /			
Pump orientation: Shaft seal arrangement:	Single	_ 2- //			20
Code for shaft seal:	HQQE	1//			10
Approvals:	CE,EAC,UKCA,SEPRO	- //			
Approvais.	OL,LNO,ONON,OLI NO	0 1	2 4 6 8	10 Q [m³/h]	Lο
Approvals for drinking water:	WRAS,ACS	P [W]			NPSH
Curve tolerance:	ISO9906:2012 3B	500 -			[m] - 10
Pump version:	A			P1	"
Model:	Α	400 -		PT	-8
Materials:		_			
Base:	Stainless steel	300 -		P2	- 6
Base:	EN 1.4408	200			4
Base:	AISI 316 Stainless steel	- " _			
Impeller:	EN 1.4401	100			-2
Impeller:	AISI 316	_			
Material code:	A	0			L 0
Code for rubber:	E	*	109		
Bearing:	SIC		141		
Installation:					
t max amb:	60 °C				
Maximum operating pressure:	25 bar	191			
Max pressure at stated temp:	25 bar / 120 °C				
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 50	_			
Size of outlet connection:	DN 50	353			
Pressure rating for connection:	PN 50 FT85	G 1/2			
Flange size for motor: Connect code:	P 185	_	4 × 13		
Liquid:	1	- 08			
Pumped liquid:	Water		130	215	
Liquid temperature range:	-20 120 °C	_	200	248	
Selected liquid temperature:	20 °C				
Density:	998.2 kg/m³		HIGH VOLTAGE	1	
Electrical data:	<u> </u>	- 60 -	DIRECTION OF ROTATION		
Motor standard:	IEC	- ` [ŗ- ;		
Motor type:	71A				
IE Efficiency class:	IE3	- L	Ĺ Ĭ Ŕ ® ĤН□		
Rated power - P2:	0.37 kW				
Power (P2) required by pump:	0.37 kW	_	3		
Mains frequency:	50 Hz		<u>@@</u>		
Rated voltage:	3 x 220-240D/380-415Y V	600 -	LOW VOLTAGE DIRECTION OF ROTATION	1	
Rated current:	1.74/1.00 A				
Starting current:	490-530 %		(D)		
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:	29 kg
Gross weight:	32 kg
Shipping volume:	0.08 m³
Danish VVS No.:	385913010
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 10-1 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 10-1	1	On request	Price on request		
					request		
			<u> </u>				