#### Qty. | Description

#### 1 CRN 45-1 A-F-H-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 DIN flanges.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water
Liquid temperature range: -40 .. 120 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2917 rpm

Rated flow: 45 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 Support bearing: Graflon

Installation:

t max amb:  $60 \, ^{\circ}\text{C}$  Maximum operating pressure:  $16 \, \text{bar}$ 

Max pressure at stated temp: 16 bar / 120 °C

16 bar / -40 °C

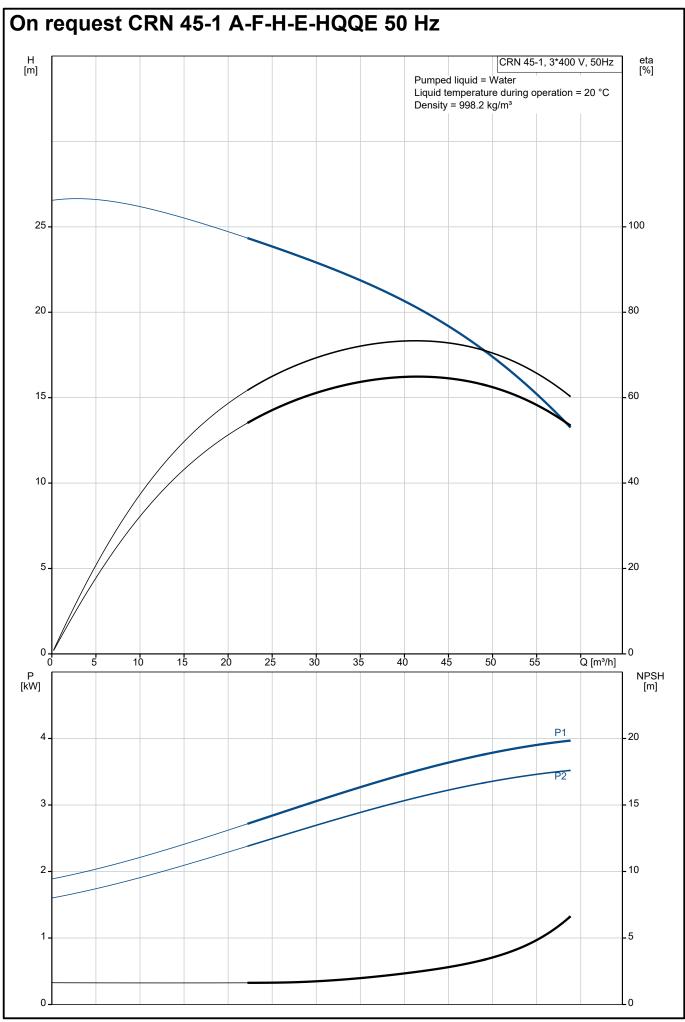
Type of connection: DIN
Size of inlet connection: DN 80
Size of outlet connection: DN 80
Pressure rating for connection: PN 40
Flange size for motor: FT130

Electrical data:

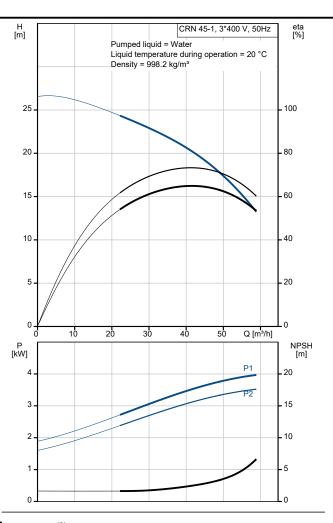
Motor standard: IEC

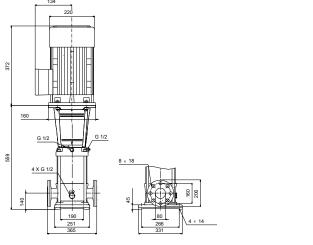
Motor type: 112MC
IE Efficiency class: IE3
Rated power - P2: 4 kW
Power (P2) required by pump: 4 kW
Mains frequency: 50 Hz

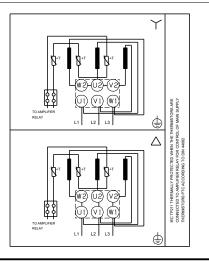
### Description 3 x 380-415D V Rated voltage: 7.9 A Rated current: 1000-1110 % Starting current: Cos phi - power factor: 0.87-0.87 Rated speed: 2920-2940 rpm Efficiency: IE3 88,1% 88.1 % Motor efficiency at full load: Motor efficiency at 3/4 load: 88.6 % Motor efficiency at 1/2 load: 85.2 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15413 Controls: Frequency converter: NONE Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 93 kg Gross weight: 116 kg Shipping volume: 0.309 m<sup>3</sup> Country of origin: GB Custom tariff no.: 84137075



Description	Value			
General information:				
Product name:	CRN 45-1 A-F-H-E-HQQE			
Product No:				
FAN number	On request			
Technical:	On request			
Pump speed on which pump data are	0047			
based:	2917 rpm			
Rated flow:	45 m³/h			
Rated head:	19.1 m			
Maximum head:	26.6 m			
Stages:	1			
Impellers:	1			
Number of reduced-diameter impellers:	0			
Low NPSH:	N			
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			
Pump version:	A			
Model:	В			
Materials:				
Base:	Stainless steel			
Base:	EN 1.4408			
Base:	AISI 316			
Impeller:	Stainless steel			
Impeller: Impeller:	EN 1.4401 AISI 316			
Material code:	H			
Code for rubber:				
Bearing:	SIC			
Support bearing:	Graflon			
Installation:				
t max amb:	60 °C			
Maximum operating pressure:	16 bar			
Max pressure at stated temp:	16 bar / 120 °C			
Max pressure at stated temp:	16 bar / -40 °C			
Type of connection:	DIN			
Size of inlet connection:	DN 80			
Size of outlet connection:	DN 80			
Pressure rating for connection:	PN 40 FT130			
Flange size for motor: Connect code:	F 1130			
Liquid:	Г			
Pumped liquid:	Water			
Liquid temperature range:	-40 120 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
Motor standard:	IEC			
Motor type:	112MC			
IE Efficiency class:	IE3			
Rated power - P2:	4 kW			
Power (P2) required by pump:	4 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-415D V			
Rated current:	7.9 A			
Starting current:	1000-1110 % 0.87-0.87			
Cos phi - power factor: Rated speed:	2920-2940 rpm			
Efficiency:	IE3 88,1%			
Motor efficiency at full load:	88.1 %			



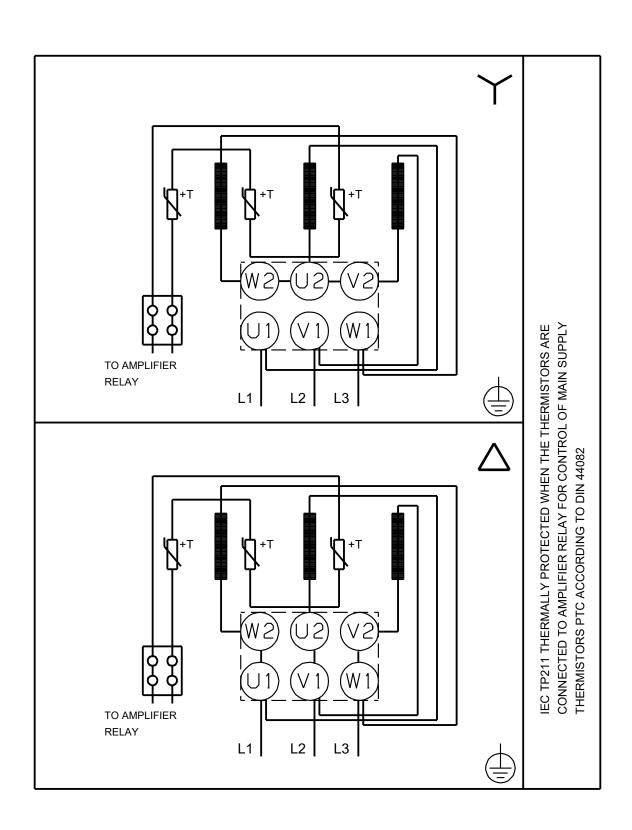




Description	Value		
Motor efficiency at 3/4 load:	88.6 %		
Motor efficiency at 1/2 load:	85.2 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	85U15413		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	93 kg		
Gross weight:	116 kg		
Shipping volume:	0.309 m³		
Sales region:	Great Britain		
Country of origin:	GB		
Custom tariff no.:	84137075		

# On request CRN 45-1 A-F-H-E-HQQE 50 Hz G 1/2 365 4 X G 1/2 Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

## On request CRN 45-1 A-F-H-E-HQQE 50 Hz



Note! All units are in [mm] unless others are stated.

Order Data:						
Position	Your pos.	Product name	Amount	Product No	Total	
		CRN 45-1	1	On request	Price on request	
					requesi	