Qty. | Description

1 CRN 45-8 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: 2951 rpm

Rated flow: 45 m³/h
Rated head: 163.7 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: 55 $^{\circ}$ C Maximum operating pressure: 30 bar

Max pressure at stated temp: 30 bar / 120 °C

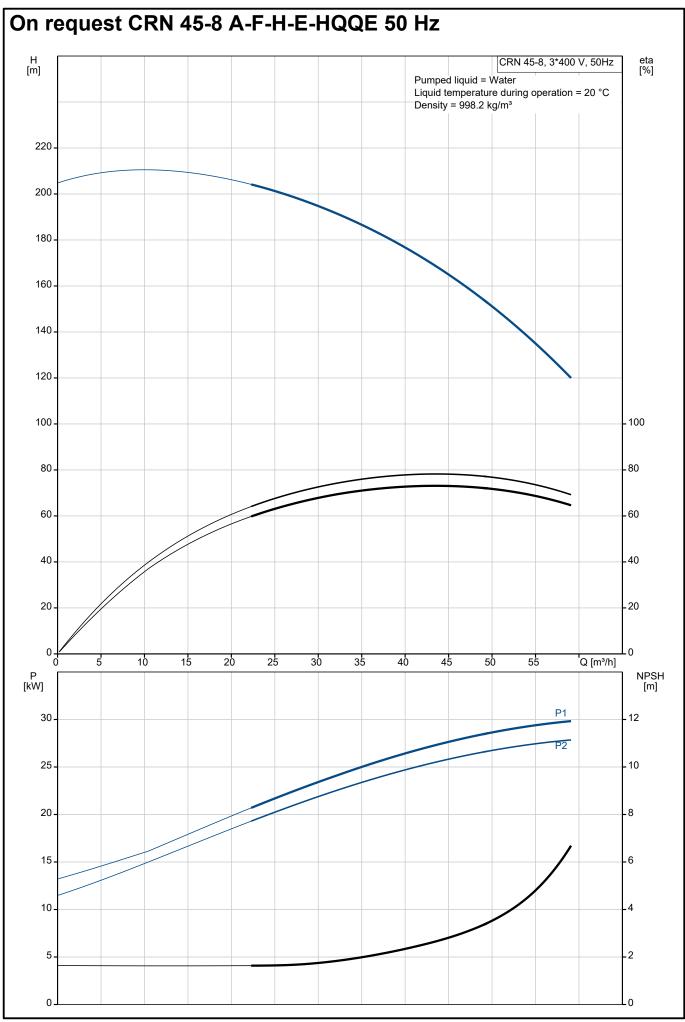
30 bar / -40 °C

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: FF350

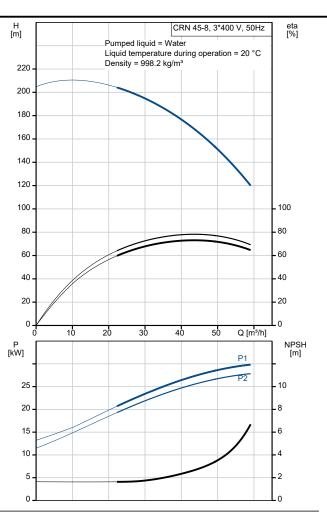
Electrical data:

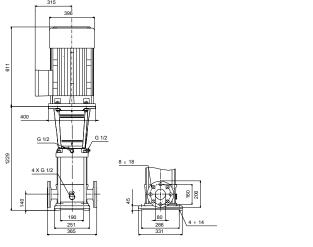
Motor standard: IEC
Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 30 kW
Power (P2) required by pump: 30 kW
Mains frequency: 50 Hz

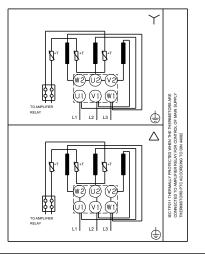
Description 3 x 380-420D/660-725Y V Rated voltage: 53/31 A Rated current: 700-700 % Starting current: Cos phi - power factor: 0.87 Rated speed: 2955 rpm Efficiency: IE3 93,3% Motor efficiency at full load: 93.3-93.3 % Motor efficiency at 3/4 load: 93.5-93.5 % Motor efficiency at 1/2 load: 92.9-92.9 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 81U15332 Controls: Frequency converter: NONE Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 328 kg Gross weight: 372 kg Shipping volume: 0.808 m³ Country of origin: GB Custom tariff no.: 84137075



Description Value General Information: CRN 45-8 A-F-H-E-HQCE Product No: On request EAN number: On request Product No: On request EAN number: On request Pump speed on which pump data are based: 2951 rpm Rated flow: 45 m³/h Rated head: 163.7 m Maximum head: 204.6 m Stages: 8 Impellers: 8 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Approvals for drinking water: WRAS,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Base: Stainless steel Base: Stainless steel Base: As 1316 Base: As 1316 Base: IN 4401 Base: IN 4401				
Product name: CRN 45-8		Value		
Product No: On request EAN number: On request Technical: Pump speed on which pump data are based: Rated flow: 45 m³/h Rated head: 163.7 m Maximum head: 204.6 m Stages: 8 Impellers: 8 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: B Materials: Base: Stainless steel Impeller: EN 1.4408 Base: AISI 316 Impeller: EN 1.4401 Impeller: EN 1.4401 Impeller: EN 1.4401 Impeller: Stainless steel Impeller: Single Code for rubber: E Bearing: SIC Support bearing: Graflon Maximum operating pressure: 30 bar Max pressure at stated temp: 30 bar / -40 °C Max pressure at stated temp: 30 bar / -40 °C Max pressure at stated temp: 30 bar / -40 °C Max pressure at stated temp: 30 bar / -40 °C Max pressure at stated temp: 30 bar / -40 °C Max pressure at stated temp: DN 80 Size of outlet connection: DN 80 Fressure rating for connection: PN 40 Flange size for motor: FF350 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: 40 . 120 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Mains frequency: 50 Hz Rated voltage: 70-700 % Cos phi - power factor: 0.87 Rated speed: 2955 rpm	General information:			
Product No: On request EAN number: On request Technical: 2951 rpm Pump speed on which pump data are based: 2951 rpm Rated flow: 45 m³/h Rated head: 163.7 m Maximum head: 204.6 m Stages: 8 Impellers: 8 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals for drinking water: WRAS,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: B Base: Stainless steel Base: AISI 316 Impeller: Stainless steel Impeller: AI 4401 Impeller: BI 1,4408 Material code: Code for rubber: E 1 Bearing: SIC 1	Product name:			
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Approvals for drinking water: WRAS,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Stainless steel Base: EN 1.4408 Base: AISI 316 Impeller: Stainless steel Impeller: EN 1.4401 Impeller: EN 1.4401 Impeller: AISI 316 Material code: H Code for rubber: E Bearing: SIC Support bearing: Graflon Installation: I max amb: 55 °C Maximum operating pressure: 30 bar Max pressure at stated temp: 30 bar / 120 °C Max pressure at stated temp: 30 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: FF350 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -40 120 °C Censity: Belectrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated current: 53/31 A Starting current: 700-700 % Cos phi - power factor: 0.87 Rated speed: 2955 rpm	Code for shaft seal:			
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Size of outlet connection: Pressure rating for connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Pest year of year o	Size of inlet connection:	DN 80		
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Connect code: F Liquid: Water Pumped liquid: Water Liquid temperature range: -40 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: IEC Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 53/31 A Starting current: 700-700 % Cos phi - power factor: 0.87 Rated speed: 2955 rpm	_	FF350		
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Pumped liquid: Water Liquid temperature range: -40 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Electrical data: IEC Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V V Rated current: 53/31 A Starting current: 700-700 % Cos phi - power factor: 0.87 Rated speed: 2955 rpm	Liquid:			
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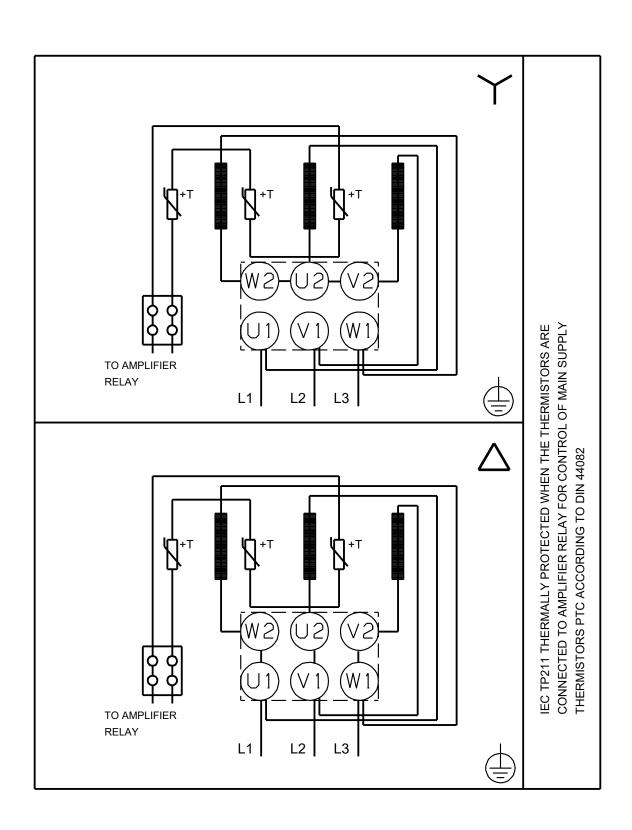


Description	Value		
Motor efficiency at full load:	93.3-93.3 %		
Motor efficiency at 3/4 load:	93.5-93.5 %		
Motor efficiency at 1/2 load:	92.9-92.9 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	81U15332		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	328 kg		
Gross weight:	372 kg		
Shipping volume:	0.808 m³		
Sales region:	Great Britain		
Country of origin:	GB		
Custom tariff no.:	84137075		

On request CRN 45-8 A-F-H-E-HQQE 50 Hz 331 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 45-8 A-F-H-E-HQQE 50 Hz



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

		Order Dat	ta:		
Position	Your pos.	Product name	Amount	Product No	Total
		CRN 45-8	1	On request	Price on request
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