

Date: 12/03/2019

Qty. | Description

1 | CRN 45-7-2 A-F-H-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96536459

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.

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water
Liquid temperature range: -40 .. 120 °C
Liquid temperature during operation: 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: 135.9 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE
Approvals on nameplate: CF_FAC

Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B

Materials:

Base: Stainless steel

EN 1.4408 AISI 316 Stainless steel

Impeller: Stainless stee

EN 1.4401 AISI 316

Bearing: SIC Support bearing: Graflon

Installation:

Maximum ambient temperature: 55 °C



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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 pipe connection: PN 40
Flange size for motor: FF350

Electrical data:

Mains frequency:

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

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 56,0-51,0/32,0-29,5 A

50 Hz

Starting current: 660-660 %

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: 93.6-93.6 %

Motor efficiency at 1/2 load: 93.4-93.4 %

Number of poles: 2

Enclosure class (IEC 34-5): 55 Dust/Jetting

Insulation class (IEC 85): F

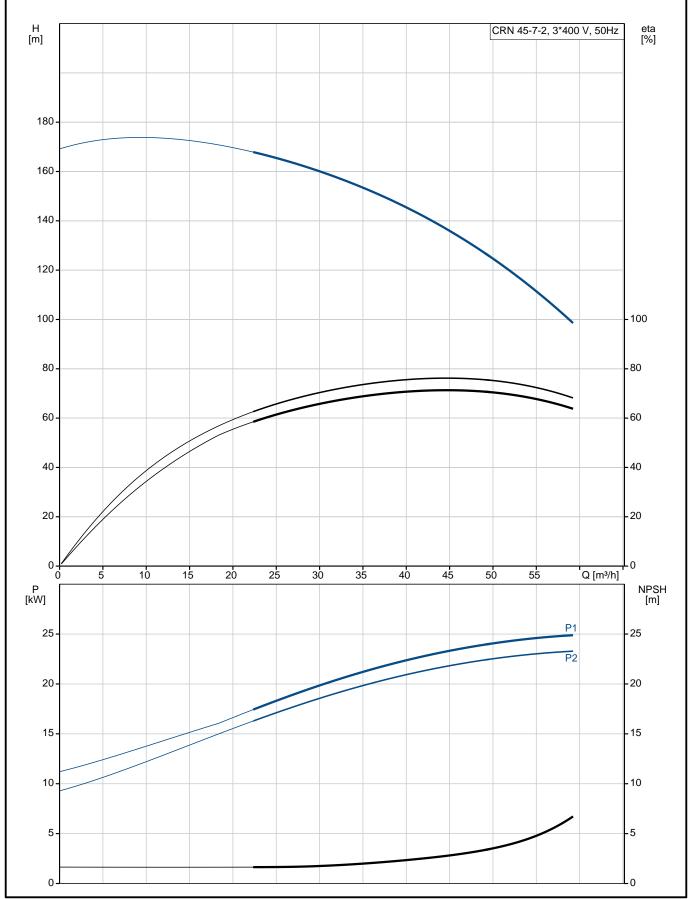
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 323 kg
Gross weight: 362 kg
Shipping volume: 0.805 m³
Country of origin: GB
Custom tariff no.: 84137075



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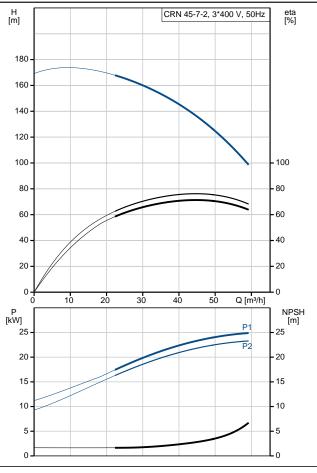
96536459 CRN 45-7-2 A-F-H-E-HQQE 50 Hz

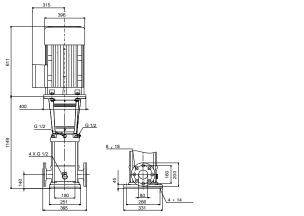


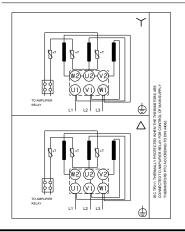


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Description	Value
General information:	
Product name:	CRN 45-7-2
1 Toduct Hame.	A-F-H-E-HQQE
Product No:	96536459
EAN number:	5700397572092
Technical:	
Pump speed on which pump data are based:	2951 rpm
	•
Rated flow:	45 m³/h
Rated head:	135.9 m
Head max:	169.3 m
Stages:	7
Impellers:	7
Number of reduced-diameter impellers:	2
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE, EAC,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	В
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4401
	AISI 316
Material code:	<u>H</u>
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Installation: Maximum ambient temperature:	55 °C
Installation: Maximum ambient temperature: Maximum operating pressure:	55 °C 30 bar
Installation: Maximum ambient temperature:	55 °C 30 bar 30 bar / 120 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW 30 kW
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW 30 kW 50 Hz
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW 30 kW









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Description	Value
Starting current:	660-660 %
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:	93.6-93.6 %
Motor efficiency at 1/2 load:	93.4-93.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15332
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	323 kg
Gross weight:	362 kg
Shipping volume:	0.805 m³
Sales region:	Great Britain
Country of origin:	GB
Custom tariff no.:	84137075