

Date: 12/03/2019

Qty. | Description

1 CRN 95-3-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 99141761

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. The Grundfos 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: 2953 rpm

Rated flow: 95 m³/h
Rated head: 53.7 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Impeller:

Base: Stainless steel

EN 1.4408 Stainless steel

Bearing: WC/WC Support bearing: Graflon

Material certified according to: European standards

Installation:

Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar

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

Type of connection: DIN



Date: 12/03/2019

Qty. **Description**

Size of inlet connection: **DN 100 DN 100** Size of outlet connection: Pressure rating for pipe connection: PN 16 Flange size for motor: FF300

Electrical data:

Motor standard: IEC 160LB Motor type: IE Efficiency class: IE3 Rated power - P2: 18.5 kW Power (P2) required by pump: 18.5 kW Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D/660-690Y V Rated current: 34,5-32,5/20,0-18,8 A

Starting current: 830-980 % Cos phi - power factor: 0.89-0.85 Rated speed: 2940-2950 rpm Efficiency: IE3 92,4% Motor efficiency at full load: 92.4-92.4 % Motor efficiency at 3/4 load: 93.2 % Motor efficiency at 1/2 load: 93.2 % Number of poles:

Enclosure class (IEC 34-5):

55 Dust/Jetting

Insulation class (IEC 85):

Others:

Net weight: 224 kg Gross weight: 275 kg Shipping volume: 0.611 m³

Thrust handling device: Ν

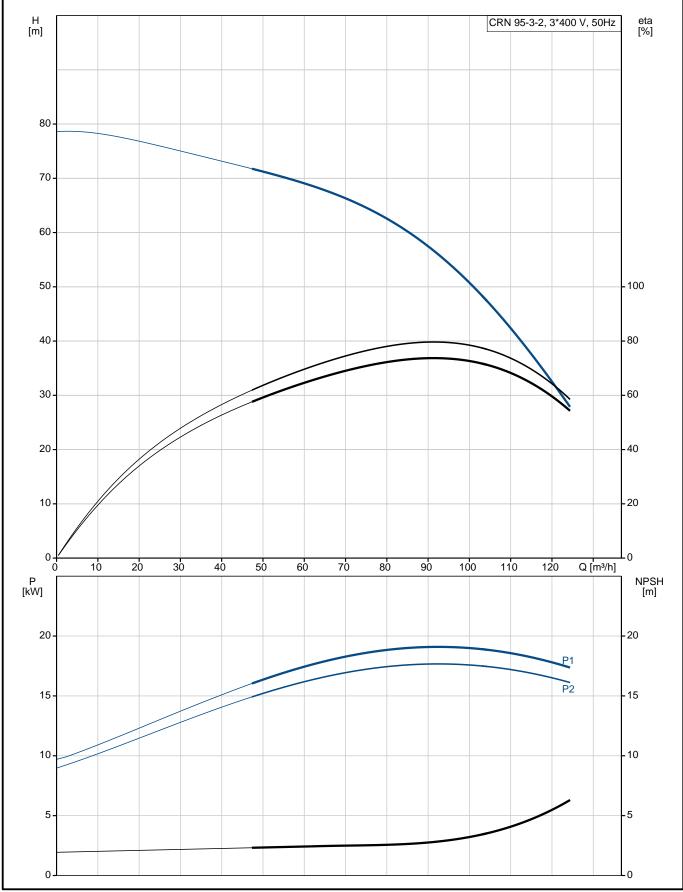
Approvals: CE, EAC, ACS, WRAS

Country of origin: GB Custom tariff no.: 84137075



Date: 12/03/2019

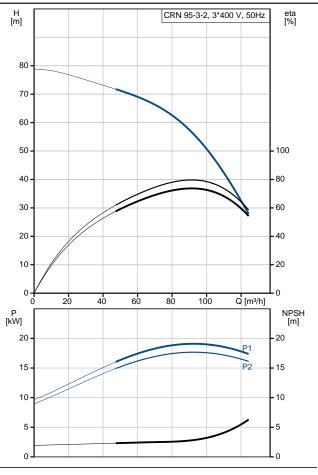
99141761 CRN 95-3-2 A-F-A-E-HQQE 50 Hz

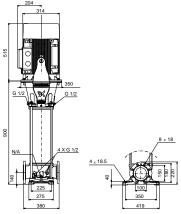


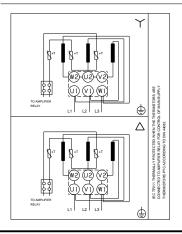


Date: 12/03/2019

Description	Value
General information:	
Product name:	CRN 95-3-2 A-F-A-E-HQQE
Product No:	99141761
EAN number:	5712607527655
Price:	8.972,00 GBP
Technical:	
Pump speed on which pump data are based:	2953 rpm
Rated flow:	95 m³/h
Rated head:	53.7 m
Head max:	76.5 m
Stages:	3
Impellers:	3
Number of reduced-diameter impellers:	2
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	Α
Model:	A
Cooling:	IC 411
Materials:	
Base:	Stainless steel
	EN 1.4408
Impeller:	Stainless steel
Imponor:	EN 1.4401
Material code:	Α
Code for rubber:	E
Bearing:	WC/WC
Support bearing:	Graflon
Material certified according to:	European standards
Installation:	Ediopodii otarida do
Maximum ambient temperature:	60 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Type of connection:	DIN
Type of conficultion.	
Size of inlet connection:	
Size of inlet connection:	DN 100
Size of outlet connection:	DN 100 DN 100
Size of outlet connection: Pressure rating for pipe connection:	DN 100 DN 100 PN 16
Size of outlet connection: Pressure rating for pipe connection: Flange size for motor:	DN 100 DN 100 PN 16 FF300
Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code:	DN 100 DN 100 PN 16
Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid:	DN 100 DN 100 PN 16 FF300 F
Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	DN 100 DN 100 PN 16 FF300 F
Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 160LB IE3
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW
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:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW 50 Hz
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: Mains frequency: Rated voltage:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW 50 Hz 3 x 380-415D/660-690Y V
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: Mains frequency:	DN 100 DN 100 PN 16 FF300 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW 50 Hz 3 x 380-415D/660-690Y









Date: 12/03/2019

Description	Value
Cos phi - power factor:	0.89-0.85
Rated speed:	2940-2950 rpm
Efficiency:	IE3 92,4%
Motor efficiency at full load:	92.4-92.4 %
Motor efficiency at 3/4 load:	93.2 %
Motor efficiency at 1/2 load:	93.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17528
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	224 kg
Gross weight:	275 kg
Shipping volume:	0.611 m³
Thrust handling device:	N
Approvals:	CE, EAC, ACS, WRAS
Country of origin:	GB
Custom tariff no.:	84137075