

Date: 12/03/2019

Qty. | Description

1 CRN 125-2 A-F-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: 99142694

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: -20 .. 90 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2961 rpm

Rated flow: 125 m³/h
Rated head: 51.1 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQV

Curve tolerance: ISO9906:2012 3B

Materials:

Base: Stainless steel

EN 1.4408 Stainless steel

Impeller: Stainless ste EN 1.4401 Bearing: WC/WC

Support bearing: WC/WC 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 / 90 °C

Type of connection: DIN



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Size of inlet connection: DN 150
Size of outlet connection: DN 150
Pressure rating for pipe connection: PN 16
Flange size for motor: FF300

Electrical data:

Motor standard: IEC
Motor type: 180MB
IE Efficiency class: IE3
Rated power - P2: 22 kW
Power (P2) required by pump: 22 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D/660-690Y V

Rated current: 39.5/22.8 A Starting current: 830 % Cos phi - power factor: 0.90-0.90 Rated speed: 2950 rpm Efficiency: IE3 92,7% Motor efficiency at full load: 92.7-92.7 % Motor efficiency at 3/4 load: 93.7 % Motor efficiency at 1/2 load: 94.4 %

Number of poles: 2

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

Insulation class (IEC 85): F

Others:

Net weight: 283 kg Gross weight: 359 kg Shipping volume: 1.14 m³

Thrust handling device: N

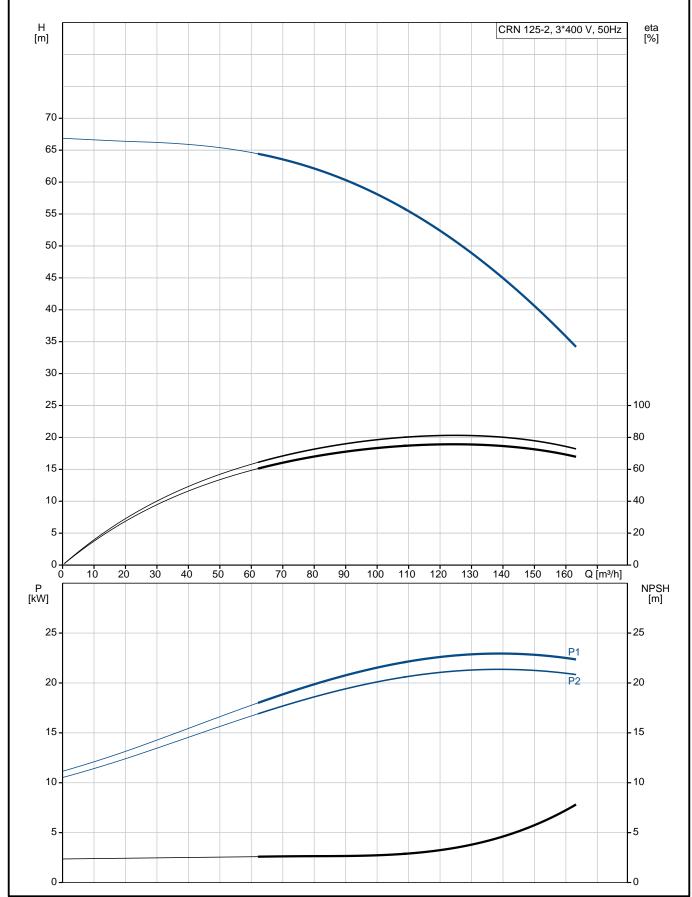
Approvals: CE, EAC, ACS, WRAS

Country of origin: DK
Custom tariff no.: 84137075



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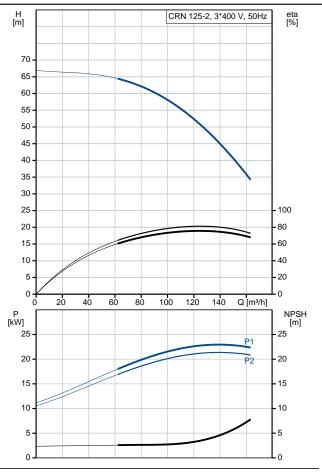
99142694 CRN 125-2 A-F-A-V-HQQV 50 Hz

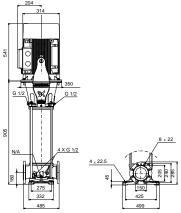


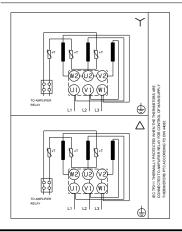


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Description	Value
General information:	
Product name:	CRN 125-2
	A-F-A-V-HQQV
Product No:	99142694
EAN number:	5712607542115
Technical:	
Pump speed on which pump data are based:	2961 rpm
Rated flow:	125 m³/h
Rated head:	51.1 m
Head max:	66.8 m
Stages:	2
Impellers:	2
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQV
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Cooling:	IC 411
Materials:	10 411
Base:	Stainless steel
Dase.	EN 1.4408
Impeller:	Stainless steel
impelier.	EN 1.4401
Material code:	A
Code for rubber:	V
Bearing:	WC/WC
Support bearing:	Graflon
Support bearing: Material certified according to:	
Support bearing: Material certified according to: Installation:	Graflon European standards
Support bearing: Material certified according to: Installation: Maximum ambient temperature:	Graflon European standards 60 °C
Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure:	Graflon European standards 60 °C 16 bar
Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C
Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN
Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150
Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³
Support bearing: Material certified according to: 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:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW
Support bearing: Material certified according to: 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: Mains frequency:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 22 kW 50 Hz 3 x 380-415D/660-690Y
Support bearing: Material certified according to: 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: Mains frequency: Rated voltage:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 22 kW 50 Hz 3 x 380-415D/660-690Y V
Support bearing: Material certified according to: 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: Mains frequency: Rated voltage: Rated current:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 22 kW 50 Hz 3 x 380-415D/660-690Y V 39.5/22.8 A
Support bearing: Material certified according to: 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: Mains frequency: Rated current: Starting current:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 22 kW 50 Hz 3 x 380-415D/660-690Y V 39.5/22.8 A 830 %
Support bearing: Material certified according to: 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: Mains frequency: Rated voltage: Rated current:	Graflon European standards 60 °C 16 bar 16 bar / 90 °C DIN DN 150 DN 150 PN 16 FF300 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 22 kW 50 Hz 3 x 380-415D/660-690Y V 39.5/22.8 A









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Description	Value
Efficiency:	IE3 92,7%
Motor efficiency at full load:	92.7-92.7 %
Motor efficiency at 3/4 load:	93.7 %
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17530
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	283 kg
Gross weight:	359 kg
Shipping volume:	1.14 m³
Thrust handling device:	N
Approvals:	CE, EAC, ACS, WRAS
Country of origin:	DK
Custom tariff no.:	84137075



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99142694 CRN 125-2 A-F-A-V-HQQV 50 Hz

