Qty. | Description

1 CR 95-3-2 A-F-A-V-HQQV



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). The pump head and base are in cast iron – all other wetted parts are in 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.

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 90 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2952 rpm

Rated flow: 95 m³/h
Rated head: 55.2 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQV

Approvals: CE,EAC,UKCA,SEPRO Curve tolerance: ISO9906:2012 3B

Materials:

Base: Ductile cast iron

EN 1563 EN-GJS-500-7 ASTM A536-84 65-45-12

Impeller: Stainless steel

EN 1.4301 AISI 304

Bearing: WC/WC Support bearing: Graflon

Material certified according to: European standards

Installation:

t max amb: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C

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

Electrical data:

Motor standard: IEC

Motor type: 160LB

IE Efficiency class: IE3

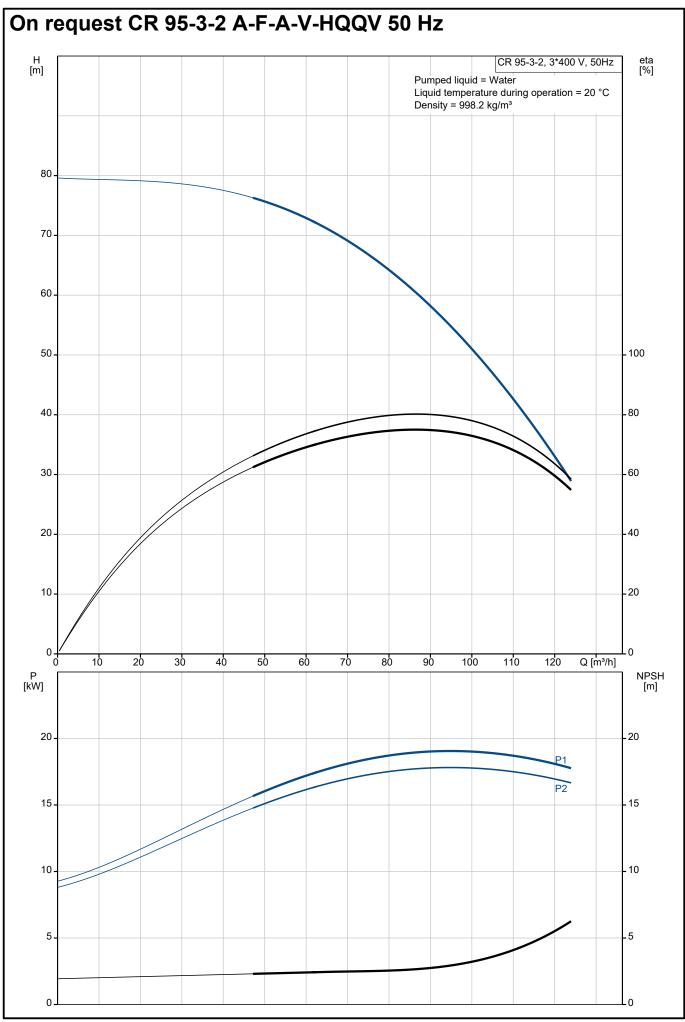
Rated power - P2: 18.5 kW

Power (P2) required by pump: 18.5 kW

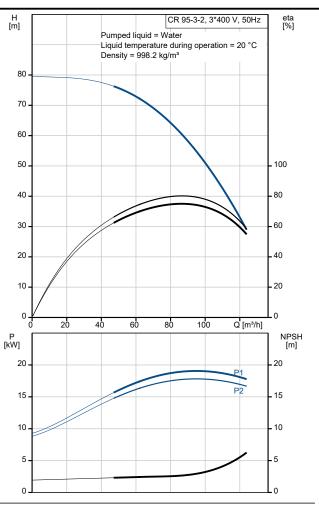
Mains frequency: 50 Hz

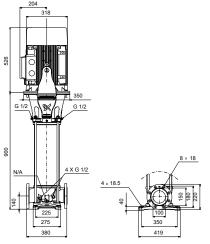
Rated voltage: 3 x 380-415D/660-690Y V

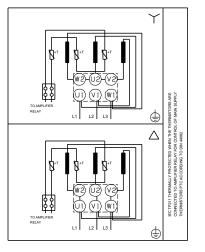
Description 34,5-32,5/20,0-18,8 A Rated current: Starting current: 830-980 % Cos phi - power factor: 0.89-0.85 Rated speed: 2940-2950 rpm Efficiency: IE3 92,4% Motor efficiency at full load: 92.4-92.4 % 93.2 % Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: 93.2 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): Motor No: 85U17528 Controls: Frequency converter: NONE Minimum efficiency index, MEI ≥: 0.70 Net weight: 224 kg Gross weight: 267 kg Shipping volume: 0.611 m³ Thrust handling device: Ν Country of origin: GB Custom tariff no.: 84137075



| Description | Value | |
|---|--|--|
| General information: | | |
| Product name: | CR 95-3-2 A-F-A-V-HQQV | |
| Product No: | | |
| EAN number: | On request | |
| Technical: | On request | |
| | 00.70 | |
| Pump speed on which pump data are based: | 2952 rpm | |
| Rated flow: | 95 m³/h | |
| Rated head: | 55.2 m | |
| Maximum head: | 79.7 m | |
| Impellers: | 3 | |
| Number of reduced-diameter impellers: | 2 | |
| Low NPSH: | N | |
| Pump orientation: | Vertical | |
| Shaft seal arrangement: | Single | |
| Code for shaft seal: | HOOV | |
| Approvals: | CE,EAC,UKCA,SEPRO | |
| Approvais. | 02,2710,011071,027110 | |
| Curve tolerance: | ISO9906:2012 3B | |
| Pump version: | Α | |
| Model: | A | |
| Cooling: | IC 411 | |
| Materials: | | |
| Base: | Ductile cast iron | |
| Base: | EN 1563 EN-GJS-500-7 | |
| Dase. | | |
| Base: | ASTM A536-84 65-45-12 | |
| | | |
| Impeller: | Stainless steel | |
| Impeller: | EN 1.4301 | |
| Impeller: | AISI 304 | |
| Material code: | A T | |
| Code for rubber: | V | |
| Bearing: | WC/WC | |
| Support bearing: | Graflon | |
| Material certified according to: | European standards | |
| Installation: | | |
| t max amb: | 60 °C | |
| Maximum operating pressure: | 16 bar | |
| Max pressure at stated temp: | 16 bar / 90 °C | |
| Type of connection: | DIN | |
| Size of inlet connection: | DN 100 | |
| Size of outlet connection: | DN 100 | |
| Pressure rating for connection: | PN 16 | |
| | FF300 | |
| Flange size for motor: | FF300 | |
| Flange size for motor: Connect code: | FF300 F | |
| _ | | |
| Connect code: | | |
| Connect code: Liquid: Pumped liquid: | F | |
| Connect code: Liquid: | F Water | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: | Water | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: | Water -20 90 °C 20 °C | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: | Water -20 90 °C 20 °C | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: | Water -20 90 °C 20 °C 998.2 kg/m³ | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: | Water -20 90 °C 20 °C 998.2 kg/m³ | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: | F Water -20 90 °C 20 °C 998.2 kg/m³ | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: | F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: | F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: | F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW 50 Hz | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: | F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: | F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW 50 Hz | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: | F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 160LB IE3 18.5 kW 18.5 kW 50 Hz 3 x 380-415D/660-690Y | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: | F Water -20 90 °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 34,5-32,5/20,0-18,8 A | |
| Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: | F Water -20 90 °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 34,5-32,5/20,0-18,8 A 830-980 % | |

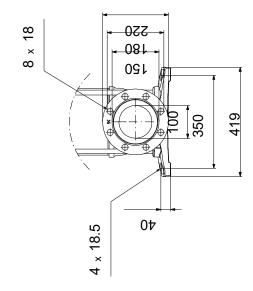


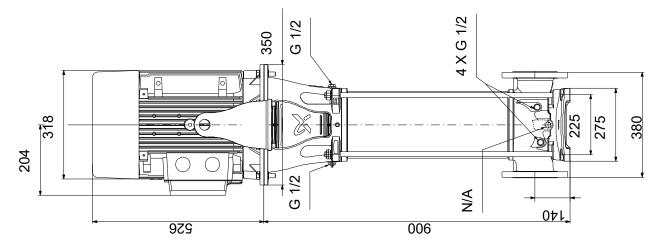




| Description | Value | | |
|----------------------------------|-----------------|--|--|
| Efficiency: | IE3 92,4% | | |
| Motor efficiency at full load: | 92.4-92.4 % | | |
| Motor efficiency at 3/4 load: | 93.2 % | | |
| Motor efficiency at 1/2 load: | 93.2 % | | |
| Number of poles: | 2 | | |
| Enclosure class (IEC 34-5): | 55 Dust/Jetting | | |
| Insulation class (IEC 85): | F | | |
| Built-in motor protection: | PTC | | |
| Motor No: | 85U17528 | | |
| Controls: | | | |
| Frequency converter: | NONE | | |
| Others: | | | |
| Minimum efficiency index, MEI ≥: | 0.70 | | |
| Net weight: | 224 kg | | |
| Gross weight: | 267 kg | | |
| Shipping volume: | 0.611 m³ | | |
| Thrust handling device: | N | | |
| Country of origin: | GB | | |
| Custom tariff no.: | 84137075 | | |

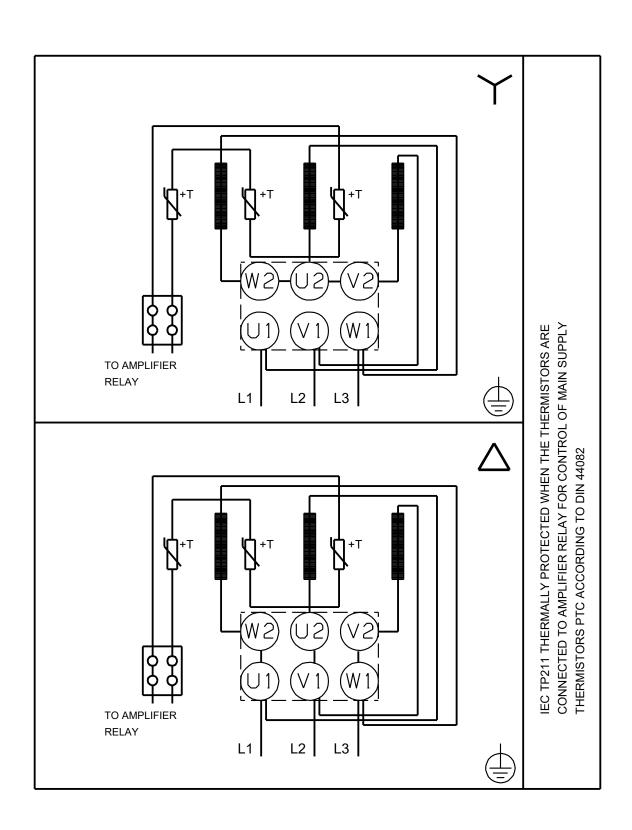
On request CR 95-3-2 A-F-A-V-HQQV 50 Hz





Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

On request CR 95-3-2 A-F-A-V-HQQV 50 Hz



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

| | Order Data: | | | | | | |
|----------|-------------|--------------|----------|---|------------------|--|--|
| Position | Your pos. | Product name | Amount | Product No | Total | | |
| | | CR 95-3-2 | 1 | On request | Price on request | | |
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