Qty. | Description

1 CR 95-1 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: 2941 rpm

Rated flow: 95 m³/h
Rated head: 22.1 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 WC/WC

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

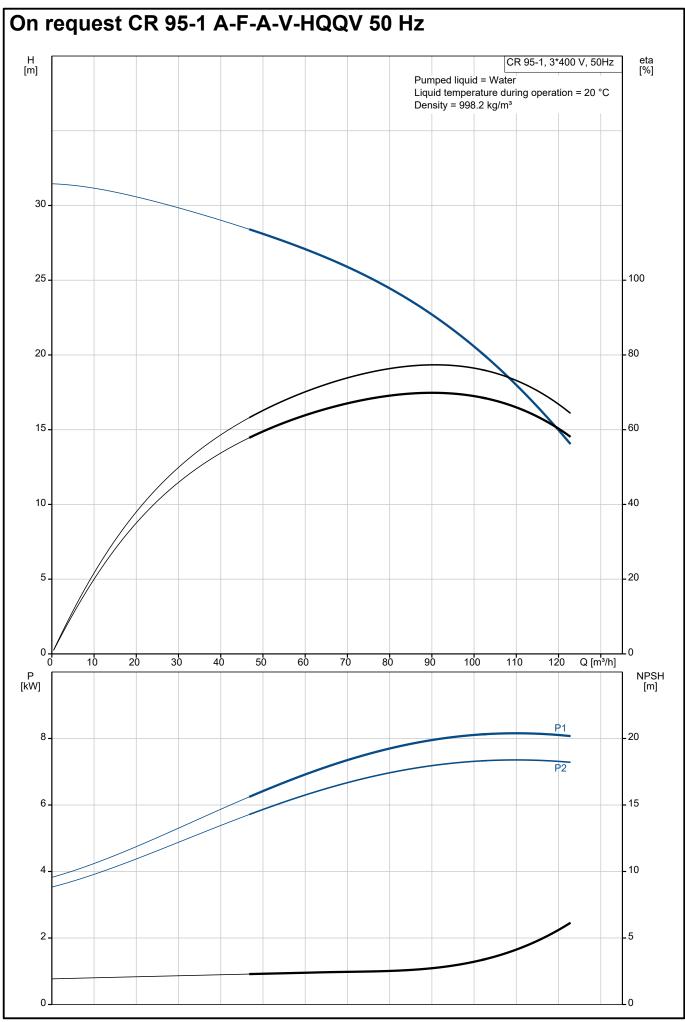
Type of connection: DIN
Size of inlet connection: DN 100
Size of outlet connection: DN 100
Pressure rating for connection: PN 16
Flange size for motor: FF265

Electrical data:

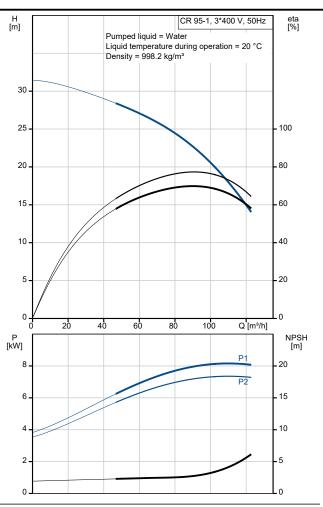
Motor standard: IEC
Motor type: 132SB
IE Efficiency class: IE3
Rated power - P2: 7.5 kW
Power (P2) required by pump: 7.5 kW
Mains frequency: 50 Hz

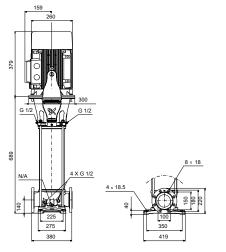
Rated voltage: 3 x 380-415D/660-690Y V

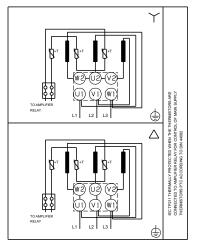
Description 14,4-14,0/8,30-8,10 A Rated current: 780-910 % Starting current: Cos phi - power factor: 0.88-0.82 Rated speed: 2910-2920 rpm Efficiency: IE3 90,1% Motor efficiency at full load: 90.1-90.4 % Motor efficiency at 3/4 load: 90.8 % Motor efficiency at 1/2 load: 90.8 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): Motor No: 85U17522 Controls: Frequency converter: NONE Minimum efficiency index, MEI ≥: 0.70 Net weight: 147 kg Gross weight: 182 kg Shipping volume: 0.449 m³ Thrust handling device: Ν Country of origin: GB Custom tariff no.: 84137075



Description	Value			
General information:				
Product name:	CR 95-1 A-F-A-V-HQQV			
Product No:	On request			
EAN number:	On request			
Technical:				
Pump speed on which pump data are	2941 rpm			
based:				
Rated flow:	95 m³/h			
Rated head:	22.1 m			
Maximum head:	31.5 m			
Impellers:	1			
Number of reduced-diameter impellers:	0			
Low NPSH:	N			
Pump orientation:	Vertical			
Shaft seal arrangement:	Single			
Code for shaft seal:	HQQV			
Approvals:	CE,EAC,UKCA,SEPRO			
Approvato.	, ,			
Curve tolerance:	ISO9906:2012 3B			
Pump version:	A			
Model:	A			
Cooling:	IC 411			
Materials:				
Base:	Ductile cast iron			
	EN 1563 EN-GJS-500-7			
Base:	EN 1303 EN-300-300-7			
Base:	ASTM A536-84			
Dase.	65-45-12			
Impeller:	Stainless steel			
Impeller:	EN 1.4301			
Impeller:	AISI 304			
Material code:	A 7			
Code for rubber:	V			
Bearing:	WC/WC			
Support bearing:	Graflon			
Material certified according to:	European standards			
Installation:	Ediopean standards			
t max amb:	60 °C			
Maximum operating pressure:	16 bar			
. 5.	16 bar / 90 °C			
Max pressure at stated temp:				
Type of connection:	DIN			
	DNI 400			
Size of inlet connection:	DN 100			
Size of inlet connection: Size of outlet connection:	DN 100			
Size of inlet connection: Size of outlet connection: Pressure rating for connection:	DN 100 PN 16			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor:	DN 100 PN 16 FF265			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code:	DN 100 PN 16			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid:	DN 100 PN 16 FF265 F			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	DN 100 PN 16 FF265 F			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	DN 100 PN 16 FF265 F Water -20 90 °C			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	DN 100 PN 16 FF265 F Water -20 90 °C			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	DN 100 PN 16 FF265 F Water -20 90 °C			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	DN 100 PN 16 FF265 F Water -20 90 °C			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	DN 100 PN 16 FF265 F Water -20 90 °C			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: IE Efficiency class:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz 3 x 380-415D/660-690Y V			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz 3 x 380-415D/660-690Y V 14,4-14,0/8,30-8,10 A			
Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: 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:	DN 100 PN 16 FF265 F Water -20 90 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz 3 x 380-415D/660-690Y V 14,4-14,0/8,30-8,10 A 780-910 %			

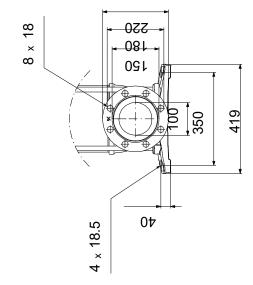


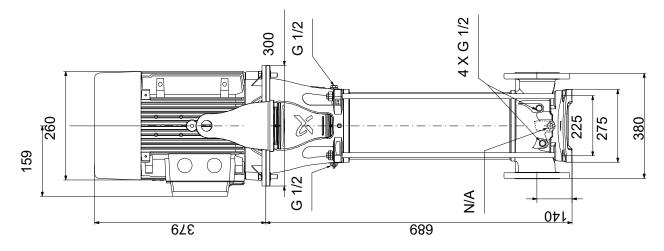




Description	Value		
Efficiency:	IE3 90,1%		
Motor efficiency at full load:	90.1-90.4 %		
Motor efficiency at 3/4 load:	90.8 %		
Motor efficiency at 1/2 load:	90.8 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	85U17522		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	147 kg		
Gross weight:	182 kg		
Shipping volume:	0.449 m³		
Thrust handling device:	N		
Country of origin:	GB		
Custom tariff no.:	84137075		

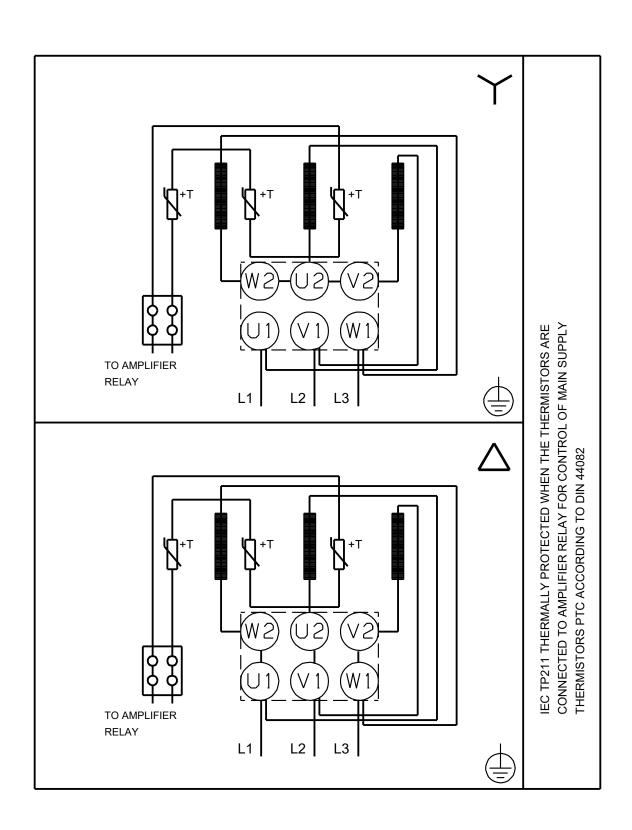
On request CR 95-1 A-F-A-V-HQQV 50 Hz





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

On request CR 95-1 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 95-1	1	On request	Price on request		
					Tequest		
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