Qty. | Description

1 | CRN 95-1 A-F-A-E-HQQE



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). 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.

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 120 °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: HQQE

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

Materials:

Base: Stainless steel

EN 1.4408

ASTM A351 CF8M

Impeller: Stainless steel

EN 1.4401 AISI 316

Bearing: WC/WC Support bearing: Graflon

Material certified according to: European standards

Installation:

t max amb: $60 \, ^{\circ}\text{C}$ Maximum operating pressure: $16 \, \text{bar}$

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

Type of connection:

Size of inlet connection:

DN 100

Size of outlet connection:

Pressure rating for connection:

Flange size for motor:

DN 100

PN 16

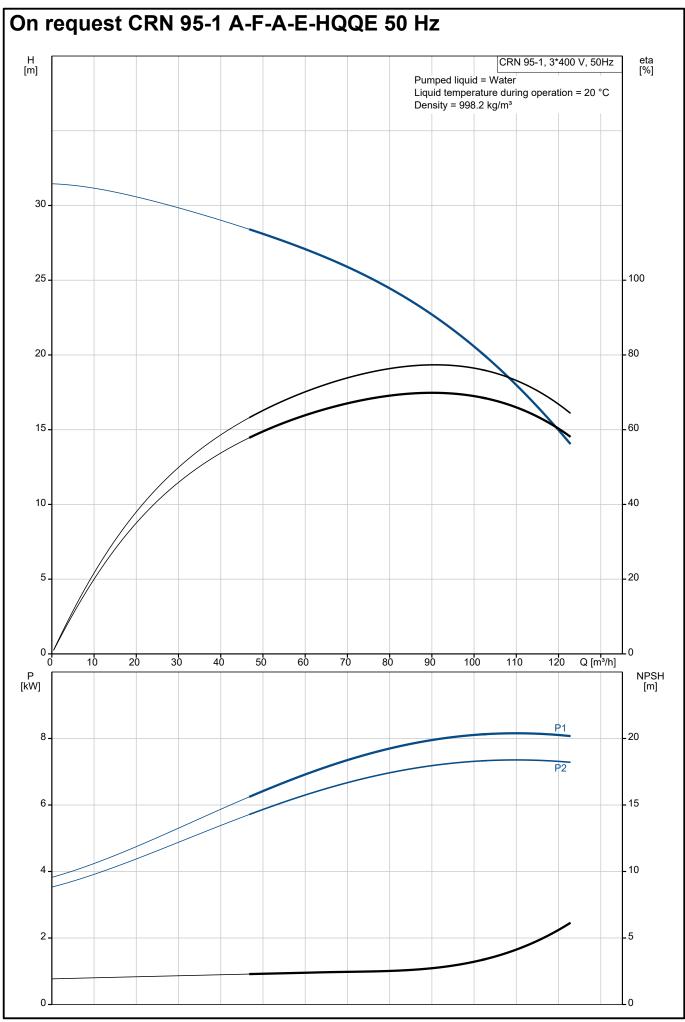
FF265

Electrical data:

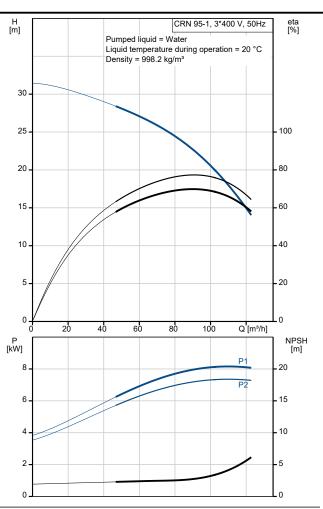
Motor standard: IEC
Motor type: 132SB
IE Efficiency class: IE3
Rated power - P2: 7.5 kW
Power (P2) required by pump: 7.5 kW
Mains frequency: 50 Hz

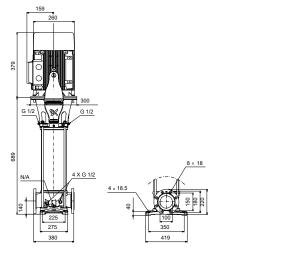
Rated voltage: 3 x 380-415D/660-690Y V

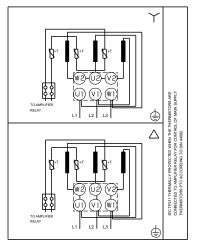
Description 14,4-14,0/8,30-8,10 A Rated current: 780-910 % Starting current: Cos phi - power factor: 0.88-0.82 Rated speed: 2910-2920 rpm Efficiency: IE3 90,1% Motor efficiency at full load: 90.1-90.4 % Motor efficiency at 3/4 load: 90.8 % Motor efficiency at 1/2 load: 90.8 % Number of poles: 2 Enclosure 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 Danish VVS No.: 386935210 Finnish LVI No.: 4925613 Thrust handling device: Ν Country of origin: GB Custom tariff no.: 84137075



Description	Value		
General information:			
Product name:	CRN 95-1		
	A-F-A-E-HQQE		
Product No:	On request		
EAN number:	On request		
Technical:			
Pump speed on which pump data are	2941 rpm		
based:	201119111		
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:	HQQE		
	CE,EAC,UKCA,SEPRO		
Approvals:	CE,EAC,UKCA,SEFKO		
Curve tolerance:	ISO9906:2012 3B		
Pump version:	A		
Pump version: Model:	A A		
	<i>,</i> ,		
Cooling:	IC 411		
Materials:			
Base:	Stainless steel		
Base:	EN 1.4408		
Base:	ASTM A351 CF8M		
Impeller:	Stainless steel		
Impeller:	EN 1.4401		
Impeller:	AISI 316		
Material code:	A		
Code for rubber:			
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 / 120 °C		
Type of connection:	DIN		
Size of inlet connection:	DN 100		
	DN 400		
Size of outlet connection:	DN 100		
Pressure rating for connection:	PN 16		
Pressure rating for connection: Flange size for motor:	PN 16 FF265		
Pressure rating for connection: Flange size for motor: Connect code:	PN 16		
Pressure rating for connection: Flange size for motor: Connect code: Liquid:	PN 16 FF265 F		
Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	PN 16 FF265 F		
Pressure rating for connection: Flange size for motor: Connect code: Liquid:	PN 16 FF265 F		
Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	PN 16 FF265 F		
Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	PN 16 FF265 F Water -20 120 °C		
Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	PN 16 FF265 F Water -20 120 °C 20 °C		
Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	PN 16 FF265 F Water -20 120 °C 20 °C		
Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW		
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:	PN 16 FF265 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz 3 x 380-415D/660-690Y		
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:	PN 16 FF265 F Water -20 120 °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		
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:	PN 16 FF265 F Water -20 120 °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		
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: Cos phi - power factor:	PN 16 FF265 F Water -20 120 °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 % 0.88-0.82		
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: Cos phi - power factor: Rated speed:	PN 16 FF265 F Water -20 120 °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 % 0.88-0.82 2910-2920 rpm		
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: Cos phi - power factor:	PN 16 FF265 F Water -20 120 °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 % 0.88-0.82		

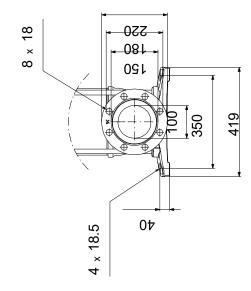


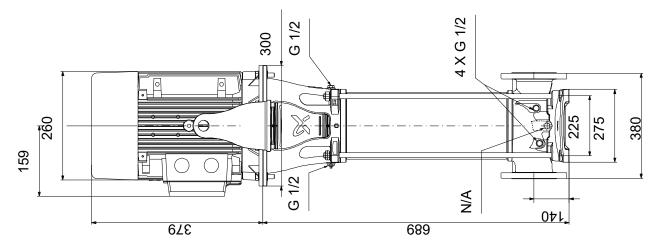




Description	Value		
Motor efficiency at 3/4 load:	90.8 %		
Motor efficiency at 1/2 load:	90.8 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	85U17522		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	147 kg		
Gross weight:	182 kg		
Shipping volume:	0.449 m³		
Danish VVS No.:	386935210		
Finnish LVI No.:	4925613		
Thrust handling device:	N		
Country of origin:	GB		
Custom tariff no.:	84137075		

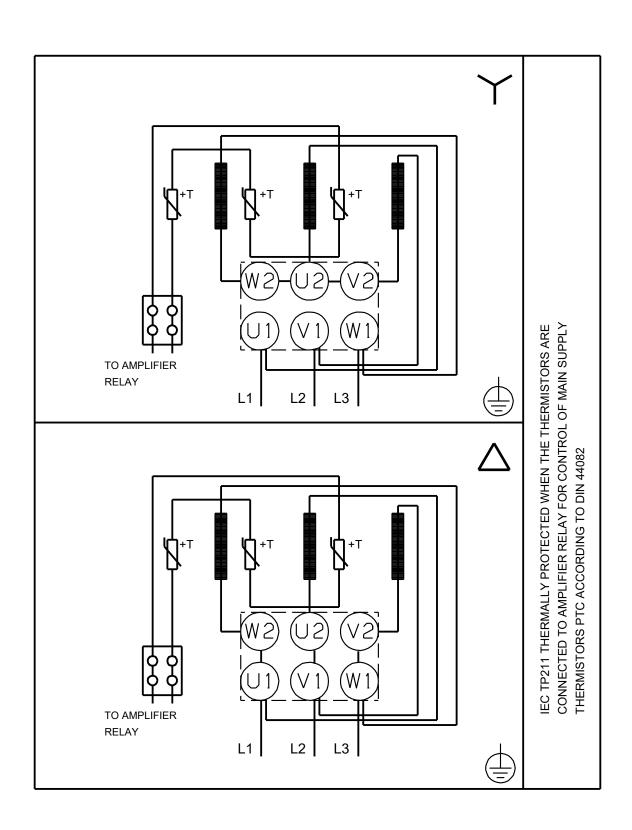
On request CRN 95-1 A-F-A-E-HQQE 50 Hz





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

On request CRN 95-1 A-F-A-E-HQQE 50 Hz



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

Position	Your pos.	Product name CRN 95-1	Amount 1	Product No On request	Total Price on request
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