

Created by:

Phone: 08000086405

Email: customerservices@pumpsalesdirect.co.uk

Date: 01/08/2022

Qty. | Description

CRN 155-1-1 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

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water -20 .. 120 °C Liquid temperature range: Selected liquid temperature: 20 °C Density: 998.2 kg/m3

Technical:

Pump speed on which pump data are based: 2951 rpm

Rated flow: 155 m³/h Rated head: 19.1 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE

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

Materials:

Impeller:

Base: Stainless steel

EN 1.4408

ASTM A351 CF8M Stainless steel

EN 1.4401

AISI 316

WC/WC

Bearing: Support bearing: Graflon

Material certified according to: European standards

Installation:

60 °C t max amb: Maximum operating pressure: 16 bar

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

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

Electrical data:

IEC Motor standard:



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Motor type: 160MB
IE Efficiency class: IE3
Rated power - P2: 11 kW
Power (P2) required by pump: 11 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D/660-690Y V Rated current: 20,8-19,8/12,0-11,8 A

Starting current: 660-780 %

Cos phi - power factor: 0.88-0.84

Rated speed: 2940-2950 rpm

Efficiency: IE3 91,2%

Motor efficiency at full load: 91.2-91.2 %

Motor efficiency at 3/4 load: 91.8 %

Motor efficiency at 1/2 load: 91.3 %

Number of poles: 2

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

Insulation class (IEC 85): F

Motor No: 85U17524

Controls:

Frequency converter: NONE

Others:

Thrust handling device: N



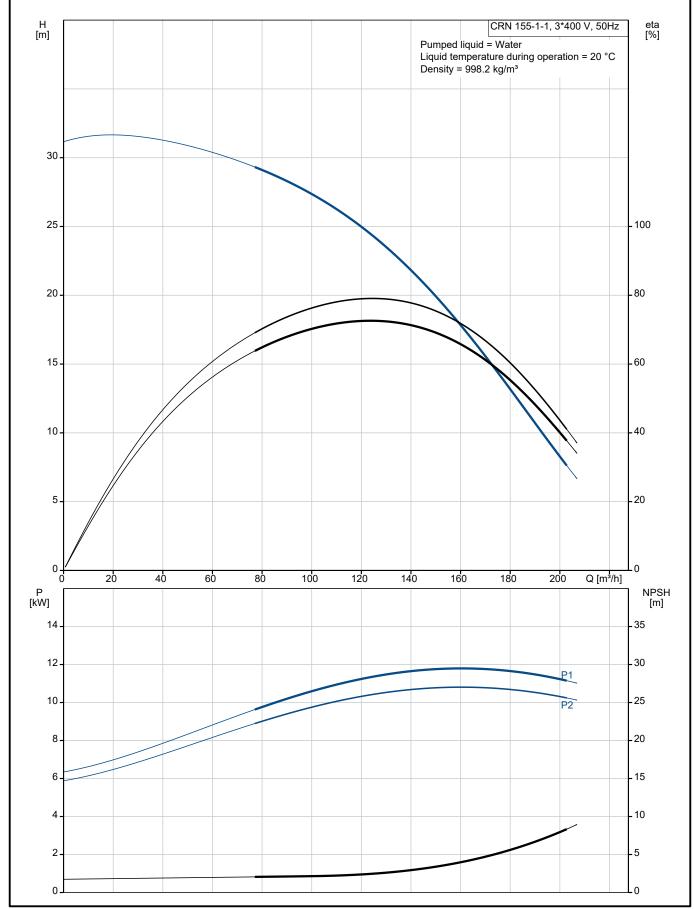
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On request CRN 155-1-1 A-F-A-E-HQQE 50 Hz





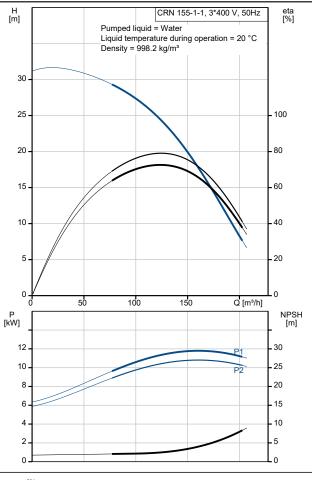
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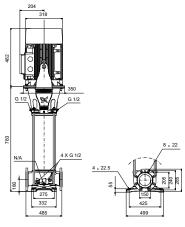
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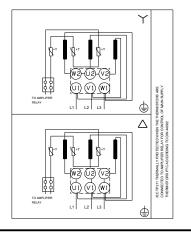
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Date: 01/08/2022

Description	Value		
General information:			
Product name:	CRN 155-1-1 A-F-A-E-HQQE		
Product No:	On request		
EAN number:	On request		
Technical:			
Pump speed on which pump data are based:	2951 rpm		
Rated flow:	155 m³/h		
Rated head:	19.1 m		
Maximum head:	31.6 m		
Impellers:	1		
Number of reduced-diameter impellers:	1		
Low NPSH:	N		
Pump orientation:	Vertical		
Shaft seal arrangement:	Single		
Code for shaft seal:	HQQE		
Approvals:	CE,EAC,UKCA,SEPRO		
Curve tolerance:	ISO9906:2012 3B		
Pump version:	Α		
Model:	A		
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:	E		
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 150		
Size of outlet connection:	DN 150		
Pressure rating for connection:	PN 16		
Flange size for motor:	FF300		
Connect code:	F		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-20 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
Motor standard:	IEC		
Motor type:	160MB		
IE Efficiency class:	IE3		
Rated power - P2:	11 kW		
Power (P2) required by pump:	11 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-415D/660-690Y V		
Rated current:	20,8-19,8/12,0-11,8 A		
Rated current.			









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Description	Value		
Cos phi - power factor:	0.88-0.84		
Rated speed:	2940-2950 rpm		
Efficiency:	IE3 91,2%		
Motor efficiency at full load:	91.2-91.2 %		
Motor efficiency at 3/4 load:	91.8 %		
Motor efficiency at 1/2 load:	91.3 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	85U17524		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	234 kg		
Gross weight:	298 kg		
Shipping volume:	1.14 m³		
Danish VVS No.:	386937211		
Finnish LVI No.:	4925638		
Thrust handling device:	N		



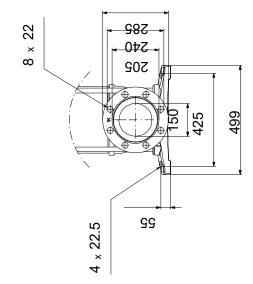
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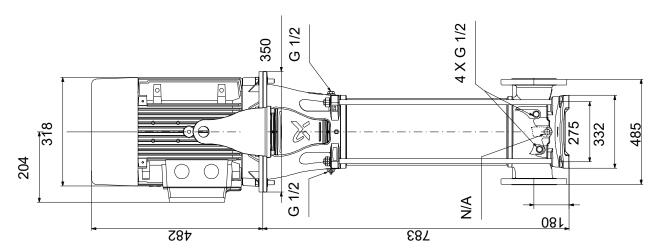
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Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



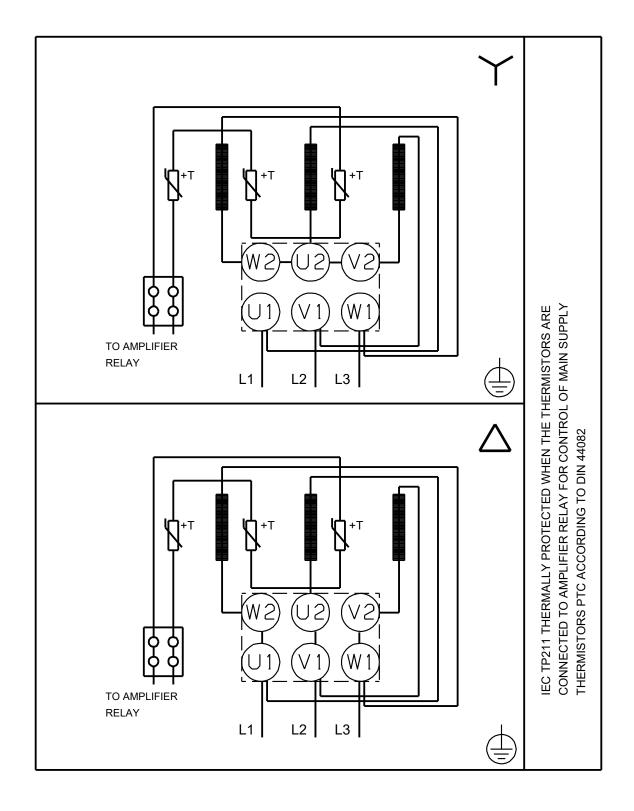
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Company name: Created by:

Company name: Pump Sales Direct

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Order Data:

Position	Your pos.	Product name	Amount	Product No	Total
		CRN 155-1-1	1	On request	Price on request
		o (2022 22 0041			8/8