

Date: 13/09/2018

Position | Qty. | Description

1 CRI 20-3 A-FGJ-I-V-HQQV



Product No.: 96500609

Vertical, multistage centrifugal pump with suction and discharge ports on same the level (in-line) enabling installation in a horizontal one-pipe system. Pump materials in contact with the liquid are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling and easy service and access. Power transmission is via a rigid split coupling. Pipework connection is via combined DIN-ANSI-JIS flanges.

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

Liquid:

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

Technical:

Rated flow: 21 m³/h
Rated head: 34.6 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQV
Approvals on nameplate: CE, EAC

Curve tolerance: ISO9906:2012 3B

Materials:

Base: Stainless steel

EN 1.4408

AISI 316

Impeller: Stainless steel

EN 1.4301 AISI 304

Bearing: SIC

Installation:

Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 90 °C

16 bar / -20 °C

Type of connection: DIN / ANSI / JIS

Size of inlet connection: DN 50

2 inch

Size of outlet connection: DN 50

2 inch

Pressure rating for pipe connection: PN 25
Flange rating inlet: 300 lb
Flange size for motor: FT130



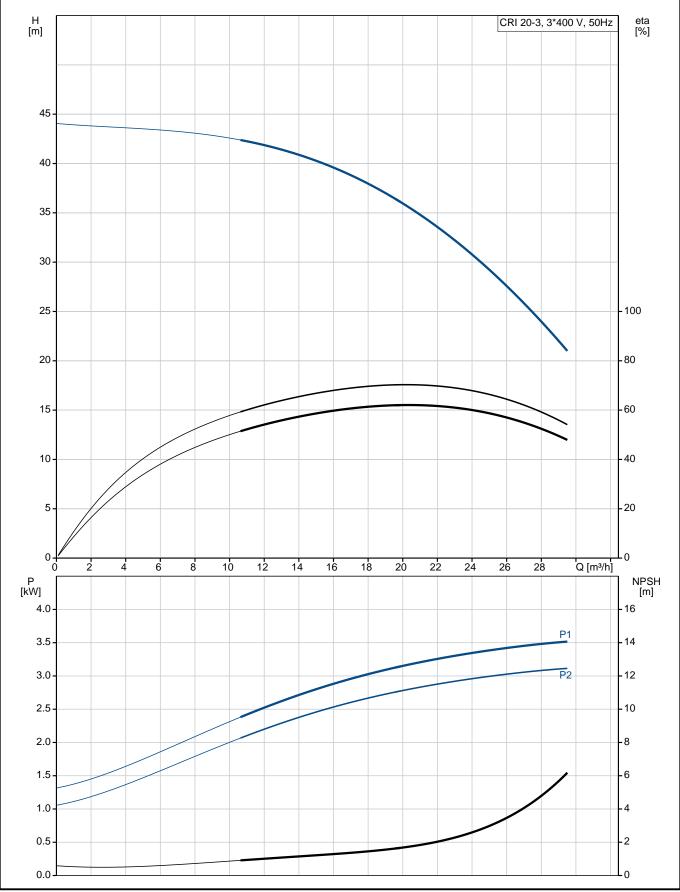
Date: 13/09/2018

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Position	Qty.	Description		
		Electrical data:		
		Motor standard:	IEC	
		Motor type:	112MC	
		IE Efficiency class:	IE3	
		Rated power - P2:	4 kW	
		Power (P2) required by pump:	4 kW	
		Mains frequency:	50 Hz	
		Rated voltage:	3 x 380-415D V	
		Rated current:	7.9 A	
		Starting current:	1000-1110 %	
		Cos phi - power factor:	0.87-0.87	
		Rated speed:	2920-2940 rpm	
		Efficiency:	IE3 88,1%	
		Motor efficiency at full load:	88.1 % 88.6 %	
		Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	85.2 %	
		Number of poles:	2	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		modiation diass (IEO 00).	•	
		Controls:		
		Frequency converter:	NONE	
		, , , , , , , , , , , , , , , , , , , ,		
		Others:		
		Minimum efficiency index, MEI	: 0.7	
		Net weight:	68 kg	
		Gross weight:	90 kg	
		Shipping volume:	0.234 m³	
		Country of origin:	GB	
		Custom tariff no.:	84137075	



Date: 13/09/2018

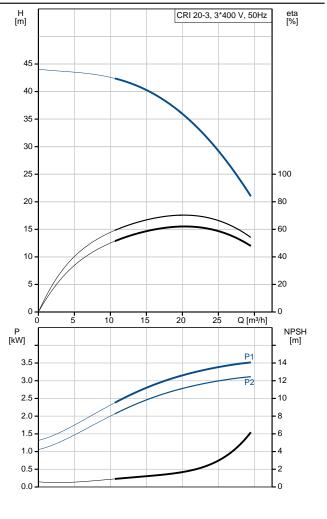
96500609 CRI 20-3 A-FGJ-I-V-HQQV 50 Hz





Date: 13/09/2018

Description Value General information: CRI 20-3 A-FGJ-I-V-HQQV Product No: 96500609 EAN number: 5700396205243 Price: 2.243,00 GBP Technical: *** Rated flow: 21 m³/h Rated head: 34.6 m Stages: 3 Impellers: 3 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9996:2012 3B Pump version: A Model: A Materials: Stainless steel Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: I Code for rubber: V Bearing: SIC Installation: Maximum ambient temperature:		
Product No: 96500609 EAN number: 5700396205243 Price: 2.243,00 GBP Technical: Rated flow: 21 m³/h Rated head: 34.6 m Stages: 3 Impellers: 3 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: I Code for rubber: V Bearing: SIC Installation: V Baximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DN 50 2 inch Pressure rating for pipe connection: DN 50 2 inch Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Liquid: Pumped liquid: Water Liquid temperature range: -20 . 90 °C Liquid temperature during operation: Density: PG2 Beater Sic HW Motor type: 112MC Liguid temperature during operation: Density: 998.2 kg/m³ Electrical data: MW Mains frequency: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %	Description	Value
Product No: 96500609 EAN number: 5700396205243 Price: 2.243,00 GBP Technical: Rated flow: 21 m³/h Rated head: 34.6 m Stages: 3 Impellers: 3 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: I Code for rubber: V Bearing: SIC Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DN 50 Inch Pressure rating for pipe connection: DN 50 Size of outlet connection: DN 50 Size of outlet connection: DN 50 Liquid: Pumped iquid: Water Liquid temperature range: -20 . 90 °C Liquid temperature range: -20 . 90 °C Liquid temperature range: -20 . 90 °C Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 112MC IE Efficiency class: IE3 Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Starting current: 1000-1110 %	General information:	
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Price:	Product No:	96500609
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Flange rating inlet: Flange size for motor: Connect code: FGJ Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Pelectrical data: Motor standard: Motor type: IEC Motor type: IES Rated power - P2: Power (P2) required by pump: Rated voltage: Rated current: Starting current: 300 lb FT130 FGJ FUI FGJ Water Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ EIEC Motor type: 112MC IES Rated Veltage: A kW Power (P2) required by pump: A kW Mains frequency: Starting current: T.9 A Starting current: 1000-1110 %		
Flange size for motor: FT130 Connect code: FGJ Liquid: Pumped liquid: Water Liquid temperature range: -20 90 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 112MC IE Efficiency class: IE3 Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
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Pumped liquid: Water Liquid temperature range: -20 90 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 112MC IE Efficiency class: IE3 Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		FGJ
Liquid temperature range: Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 112MC IE Efficiency class: Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 112MC IE Efficiency class: IE3 Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
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Motor type: 112MC IE Efficiency class: IE3 Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
IE Efficiency class: Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
Rated power - P2: 4 kW Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
Power (P2) required by pump: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %	-	
Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %	<u> </u>	
Rated voltage: 3 x 380-415D V Rated current: 7.9 A Starting current: 1000-1110 %		
Rated current: 7.9 A Starting current: 1000-1110 %		
Starting current: 1000-1110 %		
		7.9 A
Cos phi - power factor: 0.87-0.87		1000-1110 %
	Cos phi - power factor:	0.87-0.87





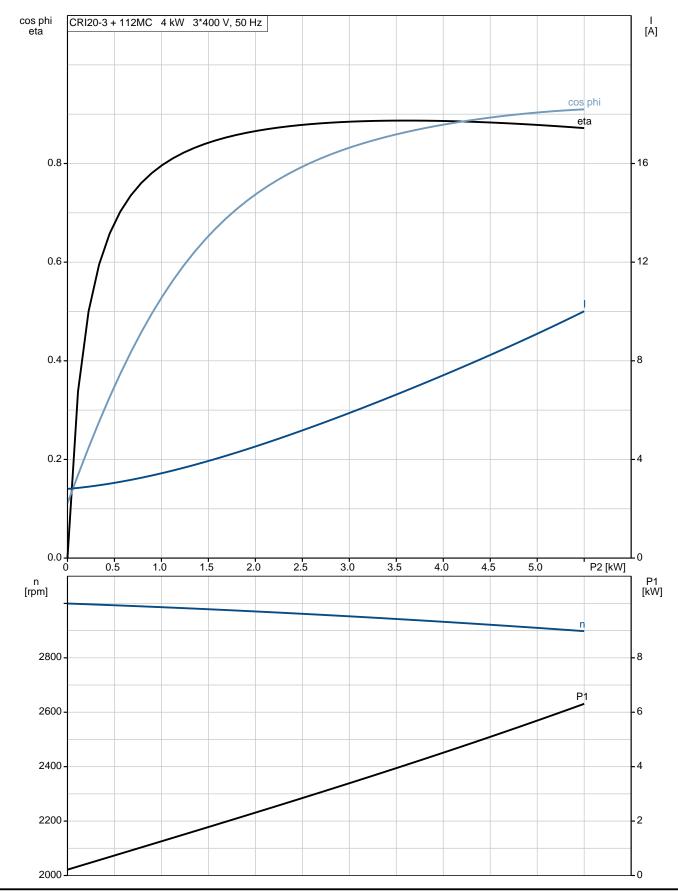
Date: 13/09/2018

Description	Value
Rated speed:	2920-2940 rpm
Efficiency:	IE3 88,1%
Motor efficiency at full load:	88.1 %
Motor efficiency at 3/4 load:	88.6 %
Motor efficiency at 1/2 load:	85.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U15413
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI:	0.7
Net weight:	68 kg
Gross weight:	90 kg
Shipping volume:	0.234 m³
Country of origin:	GB
Custom tariff no.:	84137075



Date: 13/09/2018

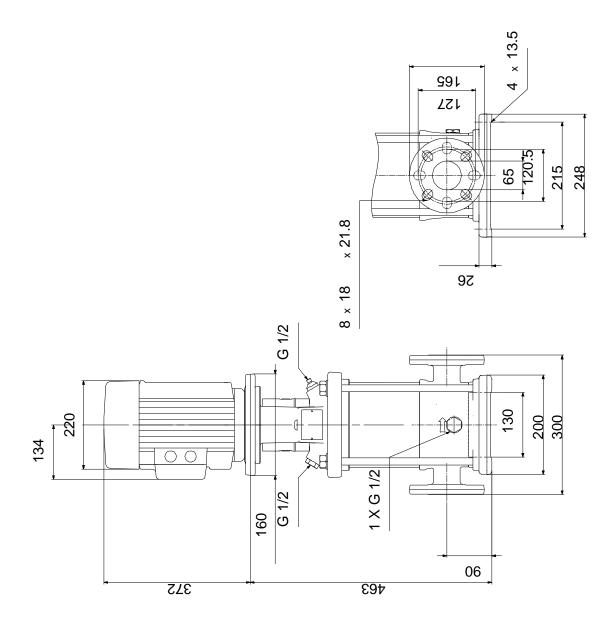
96500609 CRI 20-3 A-FGJ-I-V-HQQV 50 Hz





Date: 13/09/2018

96500609 CRI 20-3 A-FGJ-I-V-HQQV 50 Hz

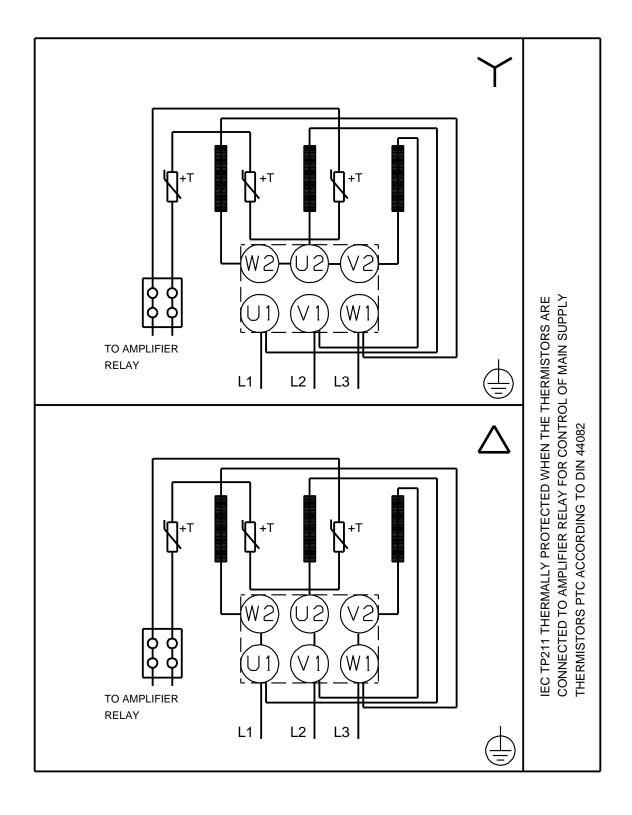


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 13/09/2018

96500609 CRI 20-3 A-FGJ-I-V-HQQV 50 Hz



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