

Qty.	Description
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1	CRI 20-7A-FGJ-A-V-HQQV
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Note! Product picture may differ from actual product

Product No.: [96500613](#)

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in stainless steel. A 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 combined DIN-ANSI-JIS flanges.

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

**Controls:**

Frequency converter: NONE

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: -20 .. 90 °C  
 Selected liquid temperature: 20 °C  
 Density at selected liquid temperature: 998.2 kg/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 2919 rpm  
 Rated flow: 21 m<sup>3</sup>/h  
 Rated head: 81.7 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

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**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: FF265

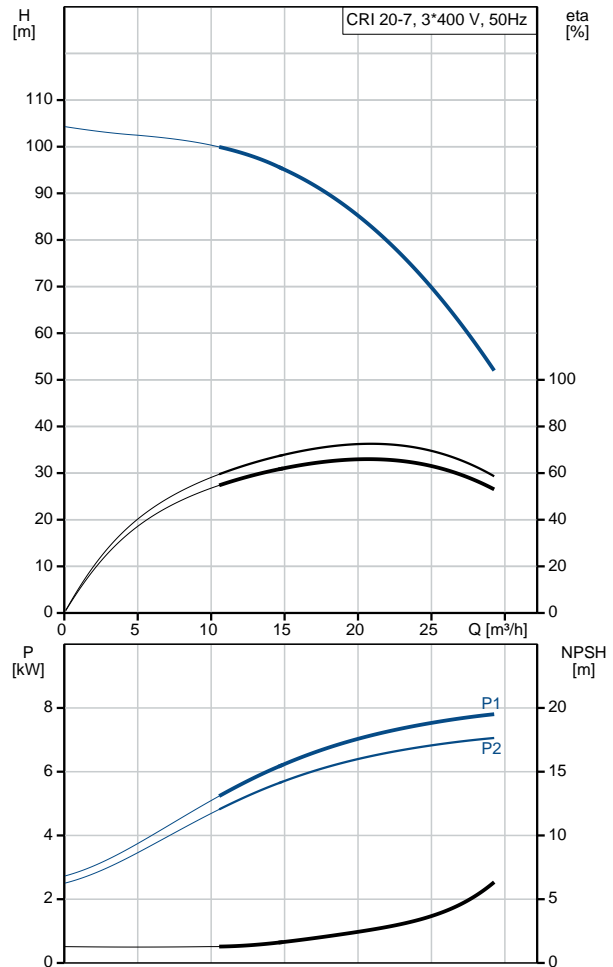
**Electrical data:**

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  
 Rated current: 14,4-14,0/8,30-8,10 A  
 Starting current: 780-910 %  
 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): F  
 Motor No: 85U17522

**Others:**

Minimum efficiency index, MEI  $\hat{\alpha}\%$ : 0.70  
 Net weight: 100 kg  
 Gross weight: 122 kg  
 Shipping volume: 0.285 m<sup>3</sup>  
 Country of origin: GB  
 Custom tariff no.: 84137075

Description	Value
<b>General information:</b>	
Product name:	CRI 20-7A-FGJ-A-V-HQQV
Product No:	96500613
EAN number:	5700396205328
<b>Technical:</b>	
Pump speed on which pump data are based:	2919 rpm
Rated flow:	21 m <sup>3</sup> /h
Rated head:	81.7 m
Head max:	103 m
Stages:	7
Impellers:	7
Number of reduced-diameter impellers:	0
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
<b>Materials:</b>	
Base:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	V
Bearing:	SIC
<b>Installation:</b>	
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:	FF265
Connect code:	FGJ
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density at selected liquid temperature:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
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





Company name:

Created by:

Phone:

Date:

07/05/2019

Description	Value
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	14,4-14,0/8,30-8,10 A
Starting current:	780-910 %
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):	F
Motor protec:	PTC
Motor No:	85U17522
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Minimum efficiency index, MEI $\hat{a}\%$ ¥:	0.70
Net weight:	100 kg
Gross weight:	122 kg
Shipping volume:	0.285 m <sup>3</sup>
Country of origin:	GB
Custom tariff no.:	84137075