

**Qty. Description**

1 CR 5-20 A-A-A-E-HQBE



Note! Product picture may differ from actual product

Product No.: [97846956](#)

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. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water  
 Liquid temperature range: 0 .. 120 °C  
 Selected liquid temperature: 20 °C  
 Density: 998.2 kg/m<sup>3</sup>

Technical:

Pump speed on which pump data are based: 2902 rpm  
 Rated flow: 5.8 m<sup>3</sup>/h  
 Rated head: 102.9 m  
 Pump orientation: Vertical  
 Shaft seal arrangement: Single  
 Code for shaft seal: HQBE  
 Approvals: CE,EAC,UKCA,SEPRO  
 Approvals for drinking water: WRAS  
 Curve tolerance: ISO9906:2012 3B

Materials:

Base: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 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 / 120 °C  
 16 bar / 0 °C

Type of connection: Oval / Rp  
 Size of inlet connection: 1 1/4 inch  
 Size of outlet connection: 1 1/4 inch  
 Pressure rating for connection: PN 16  
 Flange size for motor: FT130

Electrical data:

Motor standard: IEC



Company name:

Created by:

Phone:

Date:

13/07/2024

Qty.	Description
1	<p>Motor type: 100LC Rated power - P2: 3 kW Power (P2) required by pump: 3 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 6.3 A Starting current: 840-920 % Cos phi - power factor: 0.87-0.82 Rated speed: 2900-2920 rpm IE Efficiency class: IE3 Motor efficiency at full load: 87.1 % Motor efficiency at 3/4 load: 88.0-87.0 % Motor efficiency at 1/2 load: 87.7-85.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15510</p> <p>Controls: Frequency converter: None</p> <p>Others: Terminal box position: 6 Minimum efficiency index, MEI <math>\geq</math>: 0.57 Net weight: 48.9 kg Gross weight: 54.2 kg Shipping volume: 0.133 m<sup>3</sup></p>



Company name:

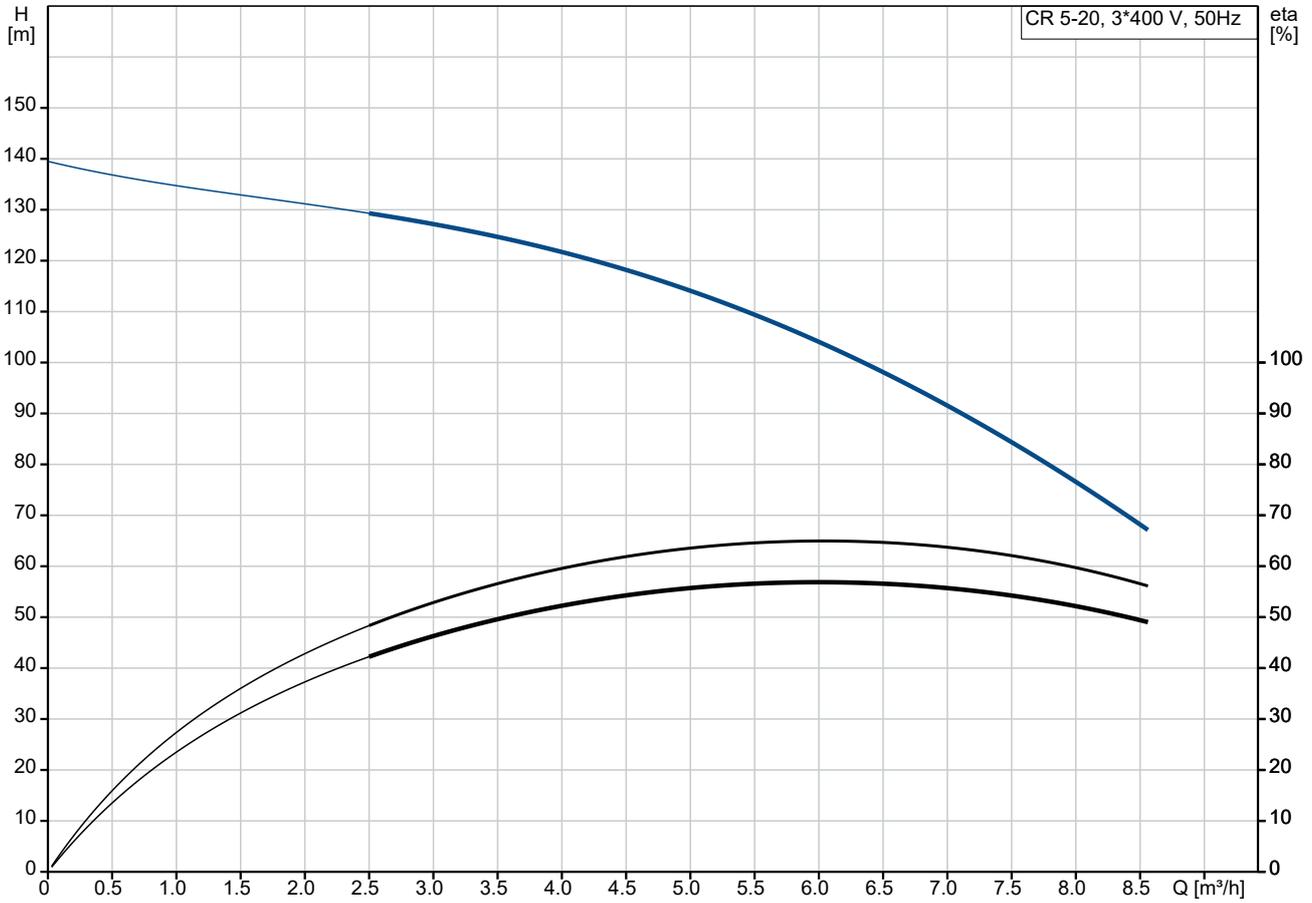
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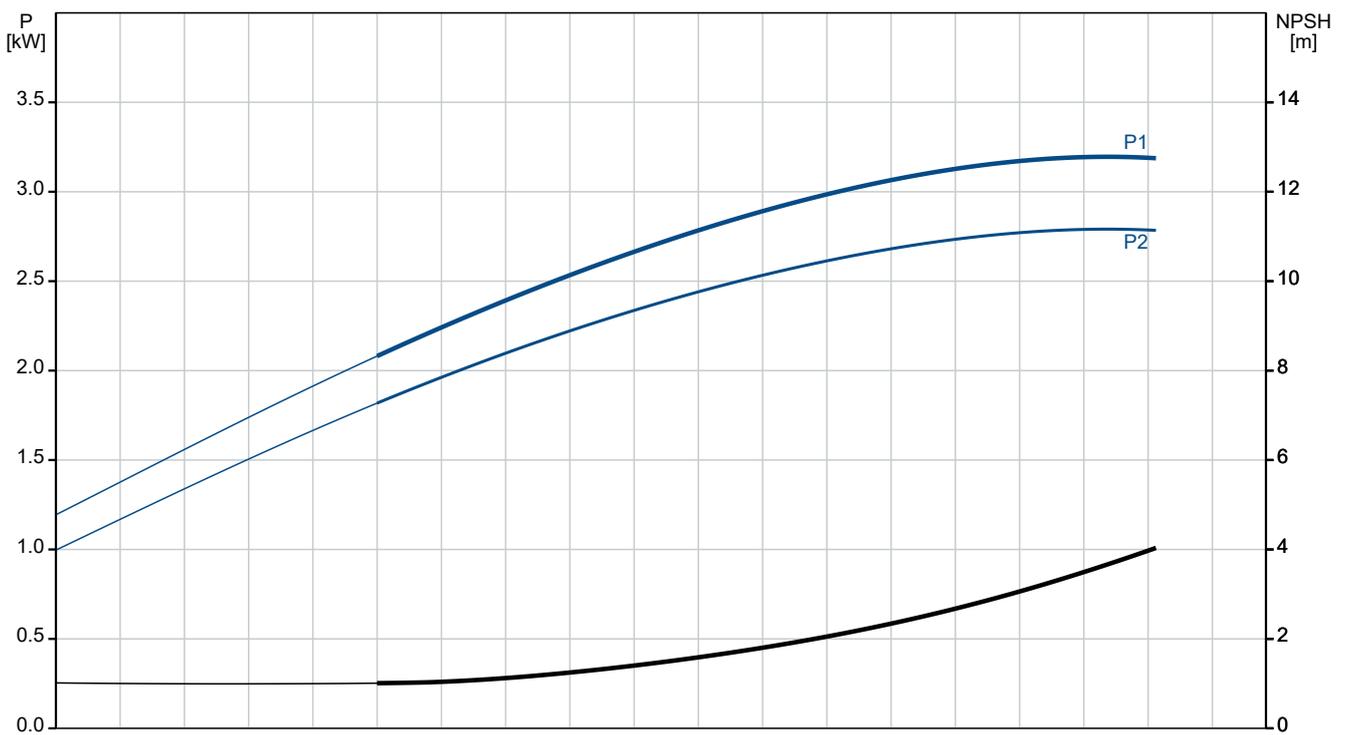
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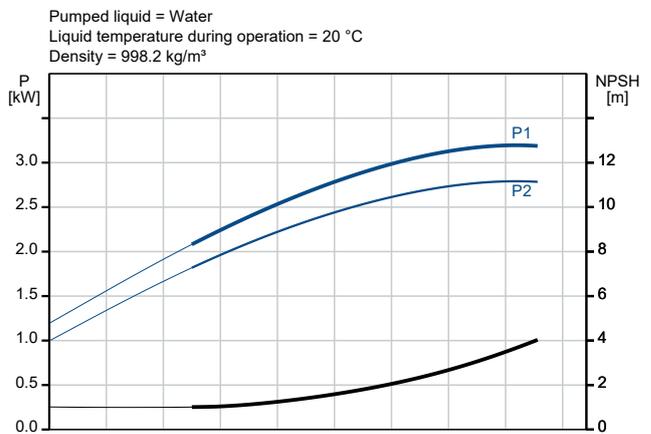
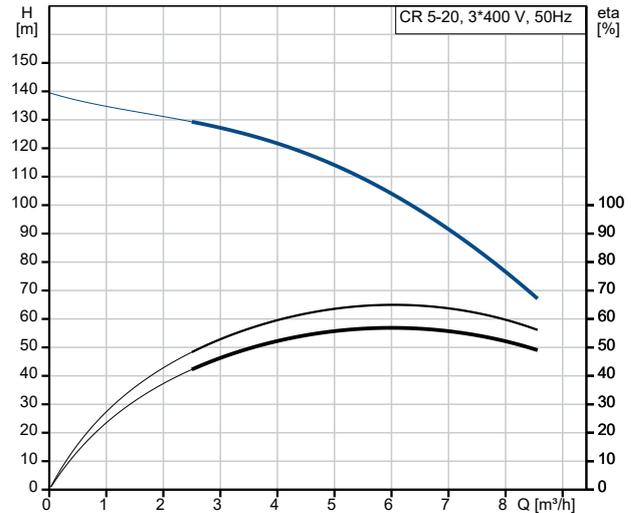
### 97846956 CR 5-20 A-A-A-E-HQBE 50 Hz



Pumped liquid = Water  
Liquid temperature during operation = 20 °C  
Density = 998.2 kg/m³



Description	Value
<b>General information:</b>	
Product name:	CR 5-20 A-A-A-E-HQBE
Product No:	97846956
EAN number:	5710625734758
<b>Technical:</b>	
Pump speed on which pump data are based:	2902 rpm
Rated flow:	5.8 m <sup>3</sup> /h
Rated head:	102.9 m
Maximum head:	136.1 m
Stages:	20
Impellers:	20
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQBE
Approvals:	CE,EAC,UKCA,SEPRO
Approvals for drinking water:	WRAS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Base:	Cast iron
Base:	EN 1561 EN-GJL-200
Base:	ASTM A48-25B
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
<b>Installation:</b>	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Max pressure at stated temp:	16 bar / 0 °C
Type of connection:	Oval / Rp
Size of inlet connection:	1 1/4 inch
Size of outlet connection:	1 1/4 inch
Pressure rating for connection:	PN 16
Flange size for motor:	FT130
Connect code:	A
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	0 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	100LC
Rated power - P2:	3 kW
Power (P2) required by pump:	3 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D V
Rated current:	6.3 A
Starting current:	840-920 %





Company name:

Created by:

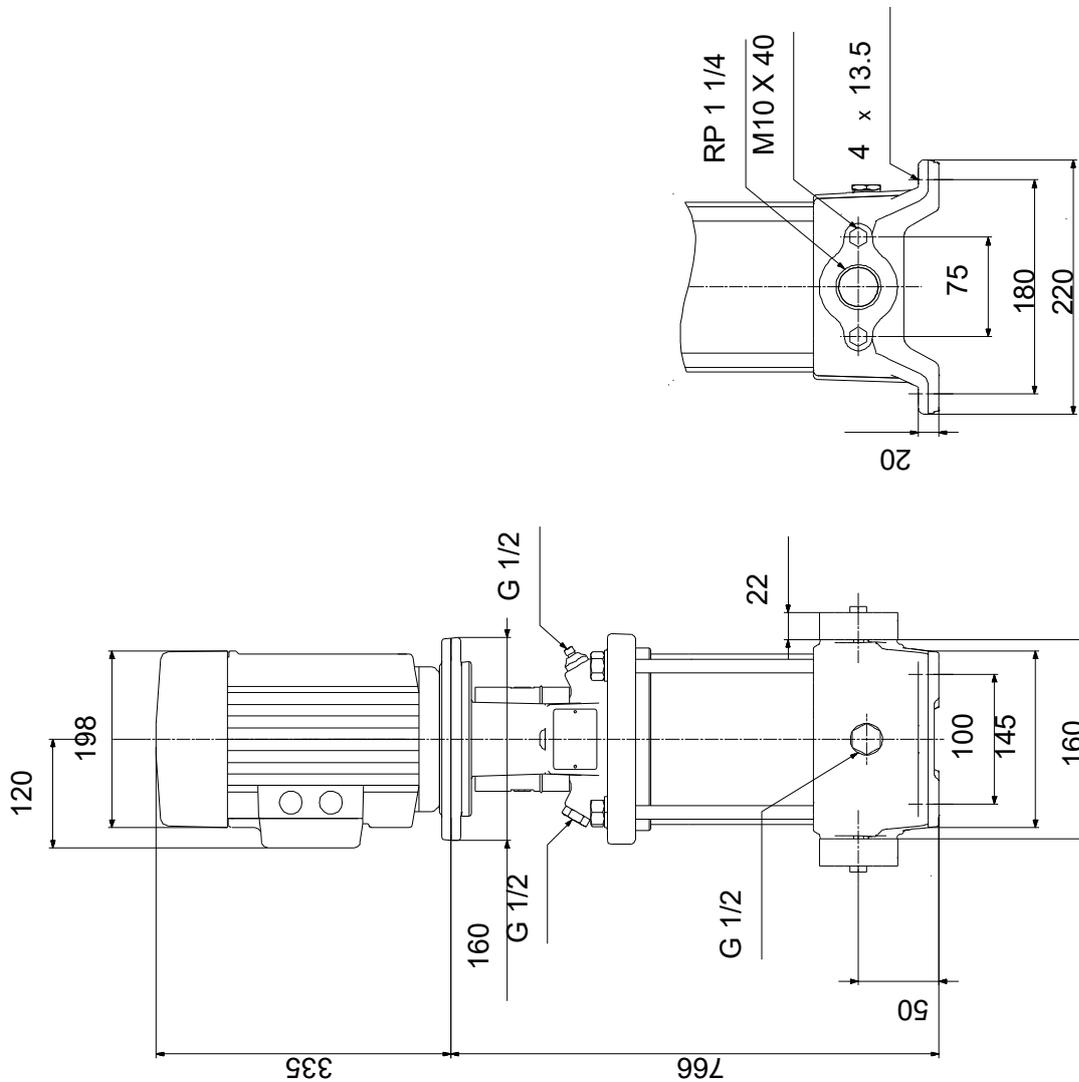
Phone:

Date:

13/07/2024

Description	Value
Cos phi - power factor:	0.87-0.82
Rated speed:	2900-2920 rpm
IE Efficiency class:	IE3
Motor efficiency at full load:	87.1 %
Motor efficiency at 3/4 load:	88.0-87.0 %
Motor efficiency at 1/2 load:	87.7-85.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	85U15510
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI $\geq$ :	0.57
Net weight:	48.9 kg
Gross weight:	54.2 kg
Shipping volume:	0.133 m <sup>3</sup>
Sales region:	United Arab Emirates

## 97846956 CR 5-20 A-A-A-E-HQBE 50 Hz



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