

**Qty. Description**

1 CR 5-16 A-A-A-E-HQBE



Note! Product picture may differ from actual product

Product No.: [97846953](#)

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: 2899 rpm  
Actual calculated flow: 6.084 m<sup>3</sup>/h  
Resulting head of the pump: 81.64 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: FT115

**Electrical data:**

Motor standard: IEC



Company name:

Created by:

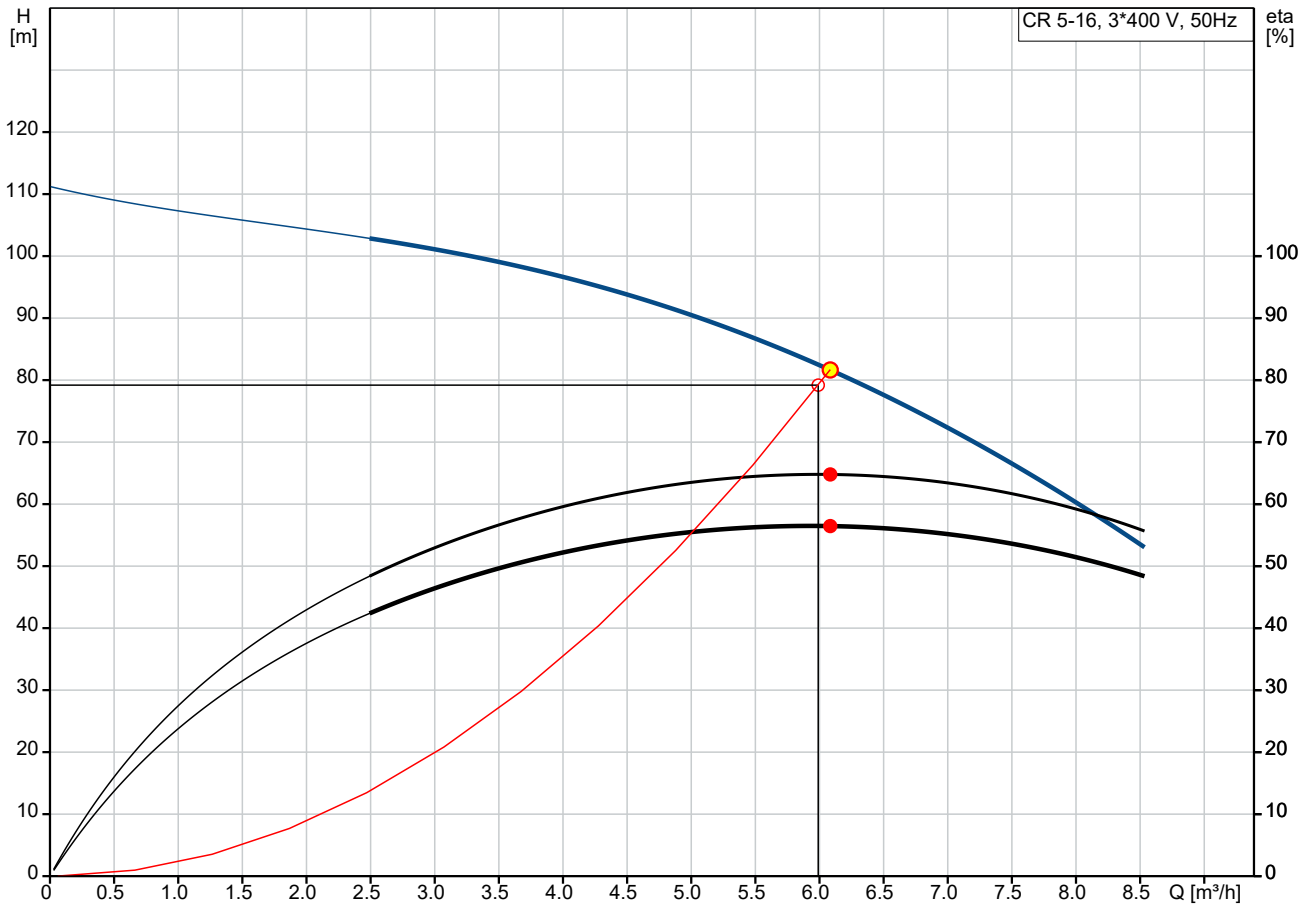
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Date:

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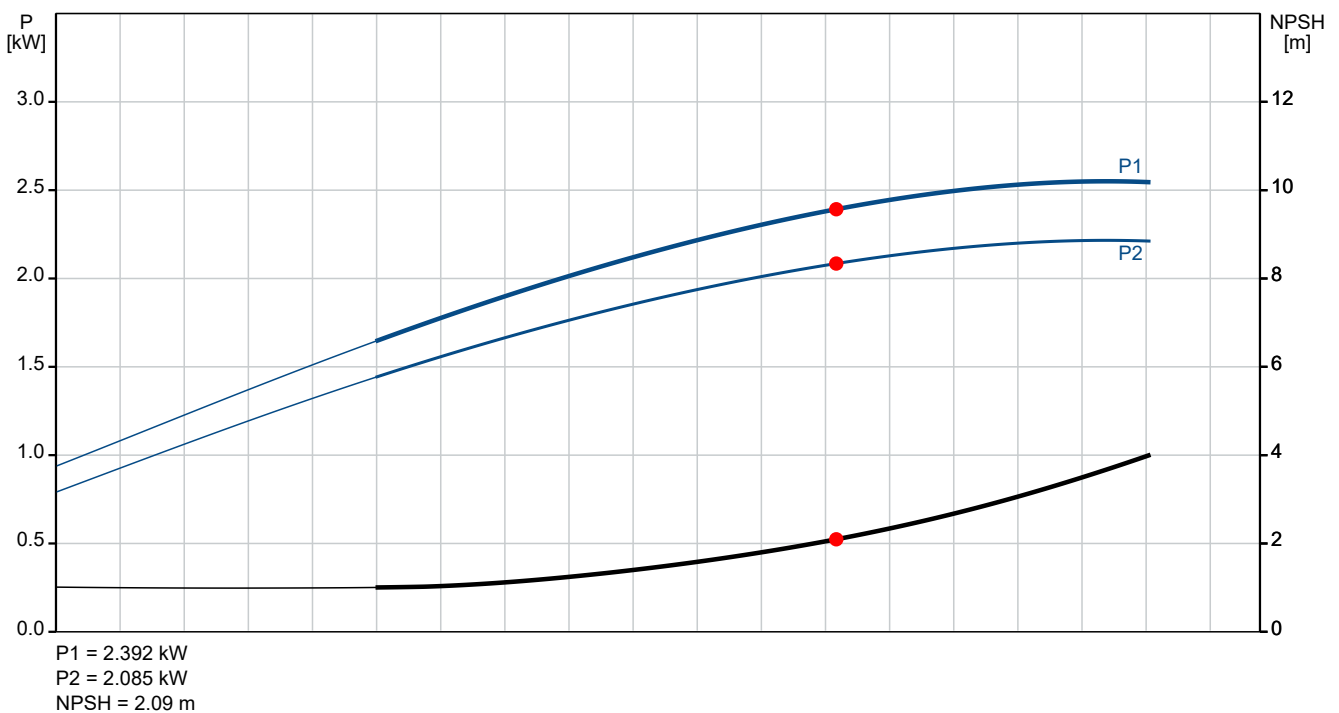
Qty.	Description
1	<div><div>Motor type:90LE</div><div>Rated power - P2:2.2 kW</div><div>Power (P2) required by pump:2.2 kW</div><div>Mains frequency:50 Hz</div><div>Rated voltage:3 x 220-240D/380-415Y V</div><div>Rated current:8.00/4.60 A</div><div>Starting current:840-920 %</div><div>Cos phi - power factor:0.86-0.80</div><div>Rated speed:2890-2910 rpm</div><div>IE Efficiency class:IE3</div><div>Motor efficiency at full load:85.9 %</div><div>Motor efficiency at 3/4 load:88.2-87.2 %</div><div>Motor efficiency at 1/2 load:88.0-85.5 %</div><div>Number of poles:2</div><div>Enclosure class (IEC 34-5):55 Dust/Jetting</div><div>Insulation class (IEC 85):F</div><div>Motor No:85U01908</div><div>Controls:</div><div>Frequency converter:None</div><div>Others:</div><div>Terminal box position:6</div><div>Minimum efficiency index, MEI ≥:0.57</div><div>Net weight:41.3 kg</div><div>Gross weight:44.2 kg</div><div>Shipping volume:0.13 m<sup>3</sup></div></div>

## 97846953 CR 5-16 A-A-A-E-HQBE 50 Hz



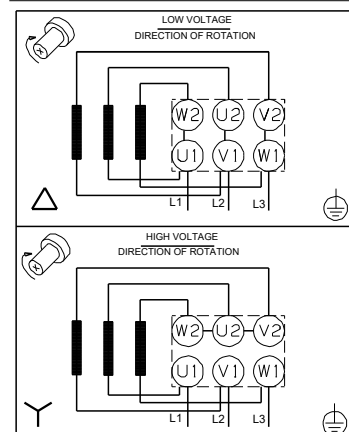
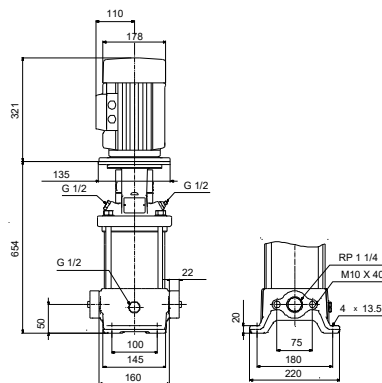
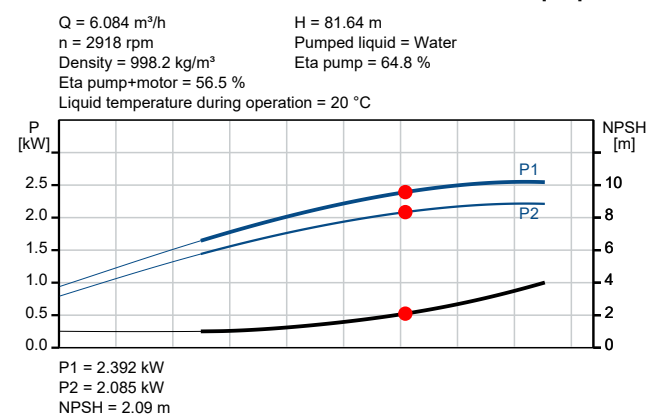
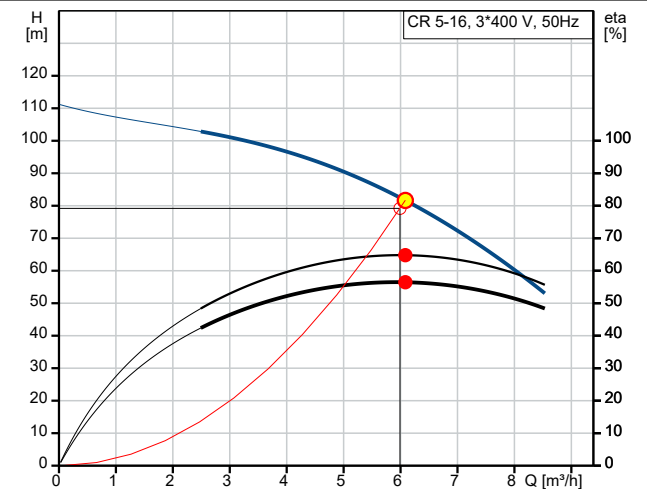
Q = 6.084 m³/h  
n = 2918 rpm  
Liquid temperature during operation = 20 °C  
Eta pump = 64.8 %

H = 81.64 m  
Pumped liquid = Water  
Density = 998.2 kg/m³  
Eta pump+motor = 56.5 %



P1 = 2.392 kW  
P2 = 2.085 kW  
NPSH = 2.09 m

Description	Value
<b>General information:</b>	
Product name:	CR 5-16 A-A-A-E-HQBE
Product No:	97846953
EAN number:	5710625734734
<b>Technical:</b>	
Pump speed on which pump data are based:	2899 rpm
Actual calculated flow:	6.084 m³/h
Resulting head of the pump:	81.64 m
Maximum head:	108.4 m
Stages:	16
Impellers:	16
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:	FT115
Connect code:	A
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	0 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	90LE
Rated power - P2:	2.2 kW
Power (P2) required by pump:	2.2 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	8.00/4.60 A





Company name:

Created by:

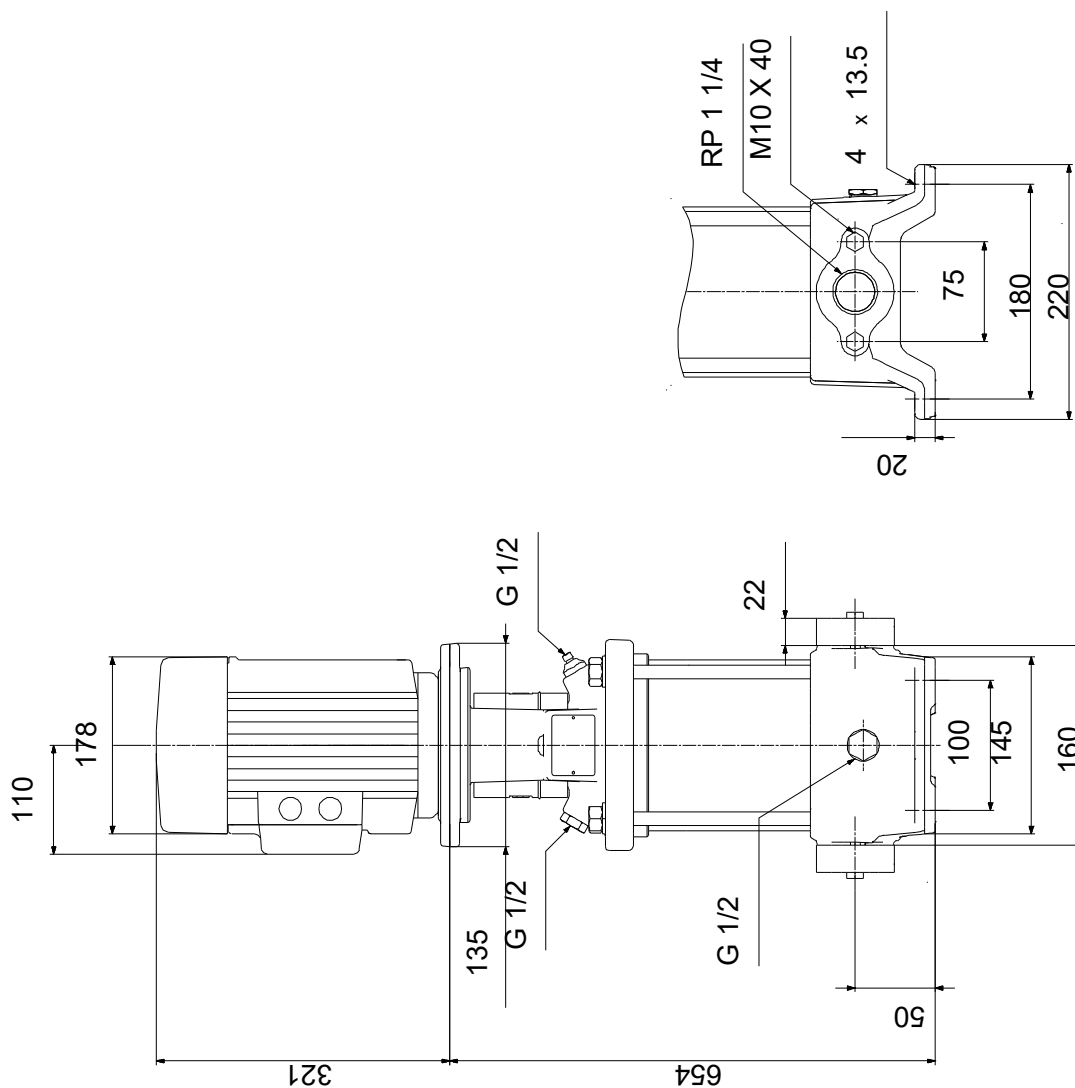
Phone:

Date:

04/07/2024

Description	Value
Starting current:	840-920 %
Cos phi - power factor:	0.86-0.80
Rated speed:	2890-2910 rpm
IE Efficiency class:	IE3
Motor efficiency at full load:	85.9 %
Motor efficiency at 3/4 load:	88.2-87.2 %
Motor efficiency at 1/2 load:	88.0-85.5 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	85U01908
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
Terminal box position:	6
Minimum efficiency index, MEI ≥:	0.57
Net weight:	41.3 kg
Gross weight:	44.2 kg
Shipping volume:	0.13 m <sup>3</sup>
Sales region:	United Arab Emirates

## 97846953 CR 5-16 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.