## Position | Qty. | Description

1

## CR 3-5 A-A-A-E-HQQE



Product No.: 96556631

Vertical, multistage centrifugal pump with suction and discharge ports on same the level (in-line) enabling installation in a horizontal one-pipe system. 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 service and access. Power transmission is via a split coupling. Pipework connection is via oval flanges with internal Rp threads.

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

Liquid:

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

Technical:

Speed for pump data: 2873 rpm
Rated flow: 3 m³/h
Rated head: 23.4 m
Primary shaft: HQQE
Approvals on nameplate: CE,TR

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-JL1030 ASTM A48-30 B

Impeller: Stainless steel

DIN W.-Nr. 1.4301

**AISI 304** 

Bush material: NONE

Installation:

Maximum ambient temperature: 40 °C

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

16 bar / -20 °C

Flange standard: OVAL
Pipe connection: Rp 1
Flange size for motor: FT85

Electrical data:

Motor type: 71A
IE Efficiency class: NA
Number of poles: 2
Rated power - P2: 0.37 kW

Power (P2) required by pump: 0.37 kW
Mains frequency: 50 Hz

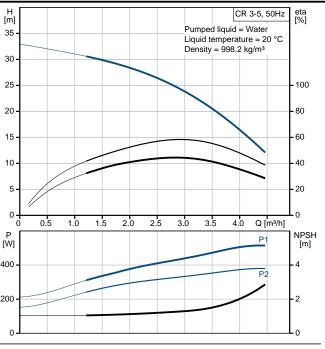
Rated voltage: 3 x 380-415 D V

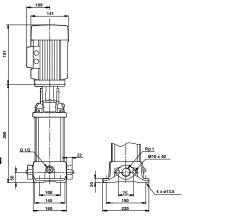
Rated current: 1 A
Starting current: 490-530 %
Cos phi - power factor: 0,80-0,70
Rated speed: 2850-2880 rpm

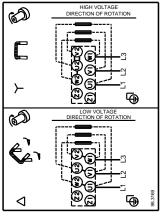
Efficiency: 73,8%

Qty.	Description	
	Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Enclosure class (IEC 34-5): Insulation class (IEC 85):	73.8 % 79.0 % 75.5 % 55 Dust/Jetting F
	Others: Minimum efficiency index, MEI Net weight: Gross weight: Shipping volume:	: 0.7 19.1 kg 21.8 kg 0.05 m <sup>3</sup>
	Qty.	Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Enclosure class (IEC 34-5): Insulation class (IEC 85):  Others: Minimum efficiency index, MEI Net weight: Gross weight:

Description	Value	
General information:		
Product name:	CR 3-5 A-A-A-E-HQQE	
Product No:	96556631	
EAN number:	5700399016556	
Price:	On request	
Technical:		
Speed for pump data:	2873 rpm	
Rated flow:	3 m³/h	
Rated head:	23.4 m	
Head max:	32.3 m	
Impellers:	5	
Primary shaft:	HQQE	
Approvals on nameplate:	CE,TR	
Curve tolerance:	ISO9906:2012 3B	
Pump type:	CR 3	
Stages:	5	
Pump version:	A	
Model:	A	
-		
Materials:		
Pump housing:	Cast iron	
	EN-JL1030	
	ASTM A48-30 B	
Impeller:	Stainless steel	
	DIN WNr. 1.4301	
	AISI 304	
Material code:	A	
Code for rubber:	E	
Bush material:	NONE	
Maximum ambient temperature: Max pressure at stated temp:	40 °C 16 bar / 120 °C 16 bar / -20 °C	
Flange standard:	OVAL	
Connect code:	A	
Pipe connection:	Rp 1	
Flange size for motor:	FT85	
i lange size for motor.	1 103	
Liquid:		
•	Water	
Pumped liquid:		
Pumped liquid: Liquid temperature range:	Water -20 120 °C 20 °C	
Pumped liquid: Liquid temperature range: Liquid temp:	-20 120 °C 20 °C	
Pumped liquid: Liquid temperature range: Liquid temp:	-20 120 °C	
Pumped liquid: Liquid temperature range: Liquid temp:	-20 120 °C 20 °C	
Pumped liquid: Liquid temperature range: Liquid temp: Density:	-20 120 °C 20 °C	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type:	-20 120 °C 20 °C 998.2 kg/m³	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class:	-20 120 °C 20 °C 998.2 kg/m³	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW	
Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW 0.37 kW 50 Hz	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 %	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed:	-20 120 °C 20 °C 998.2 kg/m³ 71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 % 0,80-0,70	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency:	-20 120 °C 20 °C 998.2 kg/m³  71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 % 0,80-0,70 2850-2880 rpm	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load:	-20 120 °C 20 °C 998.2 kg/m³  71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 % 0,80-0,70 2850-2880 rpm 73,8%	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load:	-20 120 °C 20 °C 998.2 kg/m³  71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 % 0,80-0,70 2850-2880 rpm 73,8% 73.8 %	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 1/2 load:	-20 120 °C 20 °C 998.2 kg/m³  71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 % 0,80-0,70 2850-2880 rpm 73,8% 73.8 % 79.0 % 75.5 %	
Pumped liquid: Liquid temperature range: Liquid temp: Density:  Electrical data: Motor type: IE Efficiency class: Number of poles: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load:	-20 120 °C 20 °C 998.2 kg/m³  71A NA 2 0.37 kW 0.37 kW 50 Hz 3 x 380-415 D V 1 A 490-530 % 0,80-0,70 2850-2880 rpm 73,8% 73.8 % 79.0 %	







Description	Value
Motor No:	85815102
	00010102
Others:	
Minimum efficiency index, MEI:	0.7
Net weight:	19.1 kg
Gross weight:	21.8 kg
Shipping volume:	0.05 m <sup>3</sup>