

**Qty. Description**

1 CR 64-8-2A-F-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: [96123568](#)

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. Pipe connection is via DIN 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: 2960 rpm  
 Rated flow: 64 m<sup>3</sup>/h  
 Rated head: 174 m  
 Pump orientation: Vertical  
 Shaft seal arrangement: Single  
 Code for shaft seal: HQQV  
 Approvals on nameplate: CE, EAC  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

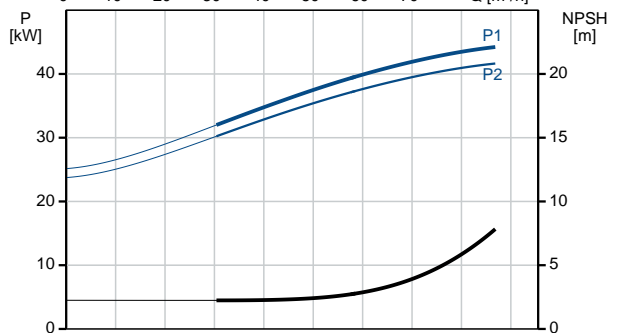
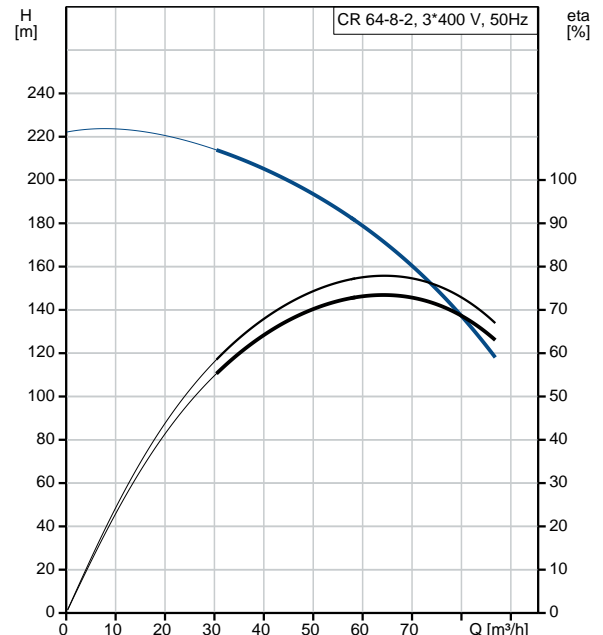
Base: Cast iron  
 EN 1563 EN-GJS-500-7  
 ASTM A536 80-55-06  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304  
 Bearing: SIC  
 Support bearing: Graflon

**Installation:**

Maximum ambient temperature: 55 °C

Qty.	Description
	<p>Maximum operating pressure: 30 bar            Max pressure at stated temp: 30 bar / 90 °C            30 bar / -20 °C</p> <p>Type of connection: DIN            Size of inlet connection: DN 100            Size of outlet connection: DN 100            Pressure rating for pipe connection: PN 40            Flange size for motor: FF400</p> <p><b>Electrical data:</b>            Motor standard: IEC            Motor type: SIEMENS            IE Efficiency class: IE3            Rated power - P2: 45 kW            Power (P2) required by pump: 45 kW            Mains frequency: 50 Hz            Rated voltage: 3 x 380-420D/660-725Y V            Rated current: 81,0-74,0/47,0-43,0 A            Starting current: 690-690 %            Cos phi - power factor: 0.89            Rated speed: 2960 rpm            Efficiency: IE3 94,0%            Motor efficiency at full load: 94.0-94.0 %            Motor efficiency at 3/4 load: 94.5-94.5 %            Motor efficiency at 1/2 load: 94.4-94.4 %            Number of poles: 2            Enclosure class (IEC 34-5): 55 Dust/Jetting            Insulation class (IEC 85): F            Motor No: 81U15336</p> <p><b>Others:</b>            Minimum efficiency index, MEI <math>\hat{\alpha}\%</math>: 0.70            Net weight: 448 kg            Gross weight: 498 kg            Shipping volume: 1.13 m<sup>3</sup>            Country of origin: GB            Custom tariff no.: 84137075</p>

Description	Value
<b>General information:</b>	
Product name:	CR 64-8-2A-F-A-V-HQQV
Product No:	96123568
EAN number:	5700396697789
<b>Technical:</b>	
Pump speed on which pump data are based:	2960 rpm
Rated flow:	64 m <sup>3</sup> /h
Rated head:	174 m
Head max:	214 m
Stages:	8
Impellers:	8
Number of reduced-diameter impellers:	2
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:	B
<b>Materials:</b>	
Base:	Cast iron EN 1563 EN-GJS-500-7
Impeller:	ASTM A536 80-55-06 Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	V
Bearing:	SIC
Support bearing:	Graflon
<b>Installation:</b>	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	30 bar
Max pressure at stated temp:	30 bar / 90 °C 30 bar / -20 °C
Type of connection:	DIN
Size of inlet connection:	DN 100
Size of outlet connection:	DN 100
Pressure rating for pipe connection:	PN 40
Flange size for motor:	FF400
Connect code:	F
<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:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	45 kW
Power (P2) required by pump:	45 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V





Company name:

Created by:

Phone:

Date:

08/05/2019

Description	Value
Rated current:	81,0-74,0/47,0-43,0 A
Starting current:	690-690 %
Cos phi - power factor:	0.89
Rated speed:	2960 rpm
Efficiency:	IE3 94,0%
Motor efficiency at full load:	94.0-94.0 %
Motor efficiency at 3/4 load:	94.5-94.5 %
Motor efficiency at 1/2 load:	94.4-94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15336
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Minimum efficiency index, MEI $\eta_{min}$ :	0.70
Net weight:	448 kg
Gross weight:	498 kg
Shipping volume:	1.13 m <sup>3</sup>
Country of origin:	GB
Custom tariff no.:	84137075