

**Qty. Description**

1 CR 64-6-1A-F-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: [96123563](#)

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: 2957 rpm  
Rated flow: 64 m<sup>3</sup>/h  
Rated head: 132.1 m  
Pump orientation: Vertical  
Shaft seal arrangement: Single  
Code for shaft seal: HQQV  
Approvals on nameplate: CE, EAC  
Curve tolerance: ISO9906:2012 3B

**Materials:**

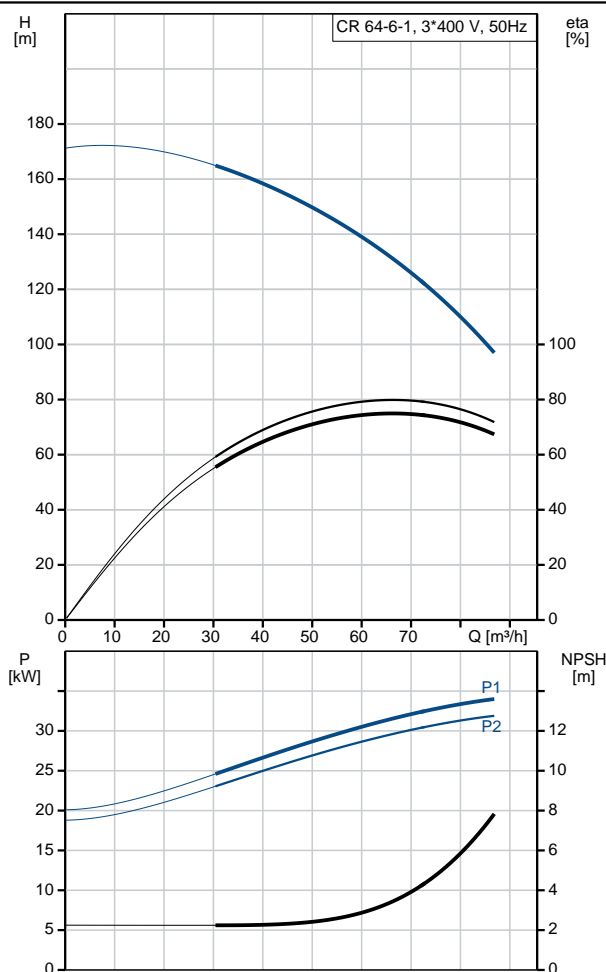
Base: Cast iron  
EN 1563 EN-GJS-500-7  
ASTM A536 80-55-06  
Impeller: Stainless steel  
EN 1.4301  
AISI 304  
Bearing: SIC  
Support bearing: Graflon

**Installation:**

Maximum ambient temperature: 55 °C

Qty.	Description
	<p>Maximum operating pressure: 30 bar</p> <p>Max pressure at stated temp: 30 bar / 90 °C</p> <p>30 bar / -20 °C</p> <p>Type of connection: DIN</p> <p>Size of inlet connection: DN 100</p> <p>Size of outlet connection: DN 100</p> <p>Pressure rating for pipe connection: PN 40</p> <p>Flange size for motor: FF350</p> <p><b>Electrical data:</b></p> <p>Motor standard: IEC</p> <p>Motor type: SIEMENS</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 37 kW</p> <p>Power (P2) required by pump: 37 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-420D/660-725Y V</p> <p>Rated current: 68,0-63,0/39,0-36,0 A</p> <p>Starting current: 670-670 %</p> <p>Cos phi - power factor: 0.88</p> <p>Rated speed: 2955 rpm</p> <p>Efficiency: IE3 93,7%</p> <p>Motor efficiency at full load: 93.7-93.7 %</p> <p>Motor efficiency at 3/4 load: 93.9-93.9 %</p> <p>Motor efficiency at 1/2 load: 93.5-93.5 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 81U15334</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\eta_{\text{me}}</math>: 0.70</p> <p>Net weight: 349 kg</p> <p>Gross weight: 388 kg</p> <p>Shipping volume: 0.805 m<sup>3</sup></p> <p>Country of origin: GB</p> <p>Custom tariff no.: 84137075</p>

Description	Value
<b>General information:</b>	
Product name:	CR 64-6-1A-F-A-V-HQQV
Product No:	96123563
EAN number:	5700396697734
<b>Technical:</b>	
Pump speed on which pump data are based:	2957 rpm
Rated flow:	64 m³/h
Rated head:	132.1 m
Head max:	168.4 m
Stages:	6
Impellers:	6
Number of reduced-diameter impellers:	1
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:	FF350
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/m³
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	37 kW
Power (P2) required by pump:	37 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:	68,0-63,0/39,0-36,0 A
Starting current:	670-670 %
Cos phi - power factor:	0.88
Rated speed:	2955 rpm
Efficiency:	IE3 93,7%
Motor efficiency at full load:	93.7-93.7 %
Motor efficiency at 3/4 load:	93.9-93.9 %
Motor efficiency at 1/2 load:	93.5-93.5 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15334
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Minimum efficiency index, MEI $\eta_{\%}$ :	0.70
Net weight:	349 kg
Gross weight:	388 kg
Shipping volume:	0.805 m <sup>3</sup>
Country of origin:	GB
Custom tariff no.:	84137075