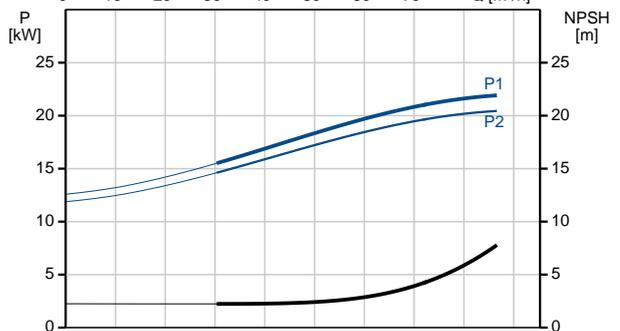
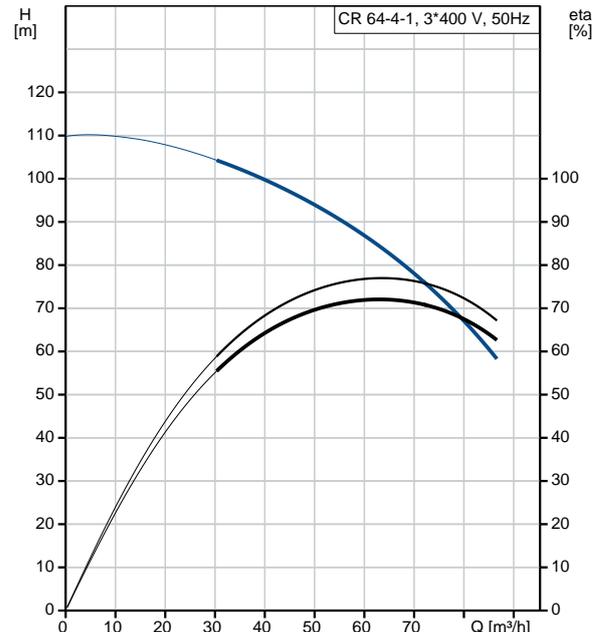


Qty.	Description
1	<p data-bbox="199 338 491 367">CR 64-4-1A-F-A-V-HQQV</p> <div data-bbox="316 405 448 875" style="text-align: center;">  </div> <p data-bbox="592 882 1075 904" style="text-align: center;">Note! Product picture may differ from actual product</p> <p data-bbox="199 913 467 936">Product No.: 96123557</p> <p data-bbox="199 972 1455 1070">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.</p> <p data-bbox="199 1115 935 1137">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="199 1173 316 1196">Controls:</p> <p data-bbox="199 1205 638 1227">Frequency converter: NONE</p> <p data-bbox="199 1263 288 1285">Liquid:</p> <p data-bbox="199 1294 638 1317">Pumped liquid: Water</p> <p data-bbox="199 1326 692 1348">Liquid temperature range: -20 .. 90 °C</p> <p data-bbox="199 1357 632 1379">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1388 778 1411">Density at selected liquid temperature: 998.2 kg/m³</p> <p data-bbox="199 1447 328 1469">Technical:</p> <p data-bbox="199 1478 820 1500">Pump speed on which pump data are based: 2947 rpm</p> <p data-bbox="199 1509 651 1532">Rated flow: 64 m³/h</p> <p data-bbox="199 1541 644 1563">Rated head: 83.9 m</p> <p data-bbox="199 1572 651 1594">Pump orientation: Vertical</p> <p data-bbox="199 1603 635 1626">Shaft seal arrangement: Single</p> <p data-bbox="199 1635 638 1657">Code for shaft seal: HQQV</p> <p data-bbox="199 1666 667 1688">Approvals on nameplate: CE, EAC</p> <p data-bbox="199 1697 762 1720">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1756 320 1778">Materials:</p> <p data-bbox="199 1787 833 1854">Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06</p> <p data-bbox="199 1863 727 1930">Impeller: Stainless steel EN 1.4301 AISI 304</p> <p data-bbox="199 1953 609 1975">Bearing: SIC</p> <p data-bbox="199 1984 647 2007">Support bearing: Graflon</p> <p data-bbox="199 2042 344 2065">Installation:</p> <p data-bbox="199 2074 632 2096">Maximum ambient temperature: 60 °C</p>

Qty.	Description
	<p>Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C 16 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 16 Flange size for motor: FF300</p> <p>Electrical data: Motor standard: IEC Motor type: 180MB IE Efficiency class: IE3 Rated power - P2: 22 kW Power (P2) required by pump: 22 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y V Rated current: 39.5/22.8 A Starting current: 830 % Cos phi - power factor: 0.90-0.90 Rated speed: 2950 rpm Efficiency: IE3 92,7% Motor efficiency at full load: 92.7-92.7 % Motor efficiency at 3/4 load: 93.7 % Motor efficiency at 1/2 load: 94.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U17530</p> <p>Others: Minimum efficiency index, MEI $\hat{\alpha}\%$: 0.70 Net weight: 211 kg Gross weight: 244 kg Shipping volume: 0.495 m³ Country of origin: GB Custom tariff no.: 84137075</p>

Description	Value
General information:	
Product name:	CR 64-4-1A-F-A-V-HQQV
Product No:	96123557
EAN number:	5700396697673
Technical:	
Pump speed on which pump data are based:	2947 rpm
Rated flow:	64 m ³ /h
Rated head:	83.9 m
Head max:	109.3 m
Stages:	4
Impellers:	4
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
Materials:	
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
Installation:	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 90 °C 16 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 16
Flange size for motor:	FF300
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density at selected liquid temperature:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Motor type:	180MB
IE Efficiency class:	IE3
Rated power - P2:	22 kW
Power (P2) required by pump:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V





Company name:

Created by:

Phone:

Date:

08/05/2019

Description	Value
Rated current:	39.5/22.8 A
Starting current:	830 %
Cos phi - power factor:	0.90-0.90
Rated speed:	2950 rpm
Efficiency:	IE3 92,7%
Motor efficiency at full load:	92.7-92.7 %
Motor efficiency at 3/4 load:	93.7 %
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17530
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI η_{min} :	0.70
Net weight:	211 kg
Gross weight:	244 kg
Shipping volume:	0.495 m ³
Country of origin:	GB
Custom tariff no.:	84137075