
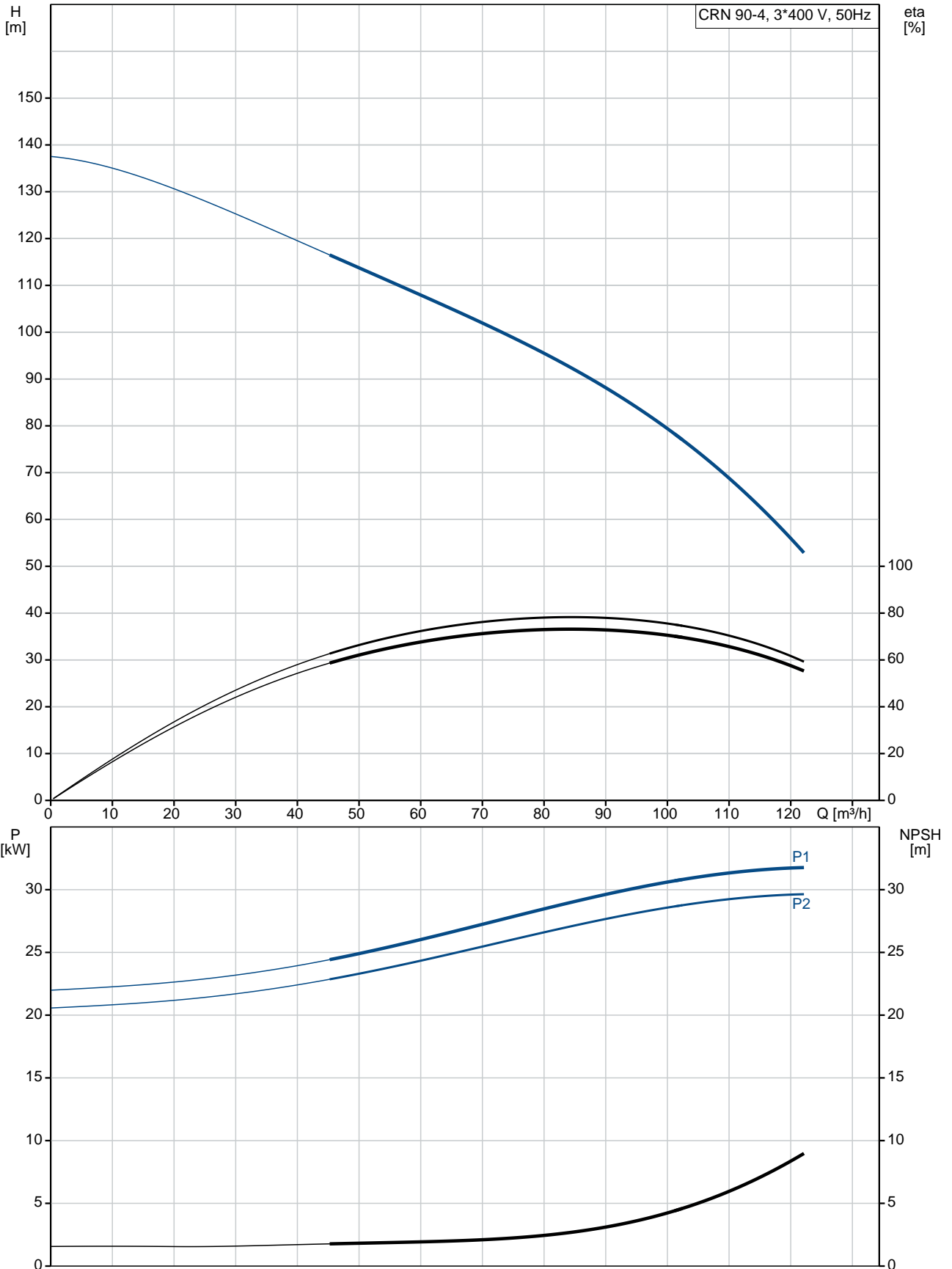


Qty.	Description
1	<p data-bbox="199 338 496 367">CRN 90-4 A-F-H-E-HQQE</p>  <p data-bbox="199 660 467 687">Product No.: 96536547</p> <p data-bbox="199 719 1453 822">Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade 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="199 862 936 889">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="199 920 316 947">Controls:</p> <p data-bbox="199 949 638 976">Frequency converter: NONE</p> <p data-bbox="199 1010 288 1037">Liquid:</p> <p data-bbox="199 1039 707 1158">Pumped liquid: Water Liquid temperature range: -40 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³</p> <p data-bbox="199 1189 328 1216">Technical:</p> <p data-bbox="199 1218 821 1456">Pump speed on which pump data are based: 2951 rpm Rated flow: 90 m³/h Rated head: 88.7 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1487 320 1514">Materials:</p> <p data-bbox="199 1516 727 1753">Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Bearing: SIC Support bearing: Graflon</p> <p data-bbox="199 1785 344 1812">Installation:</p> <p data-bbox="199 1814 743 2078">Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / -40 °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: FF350</p>

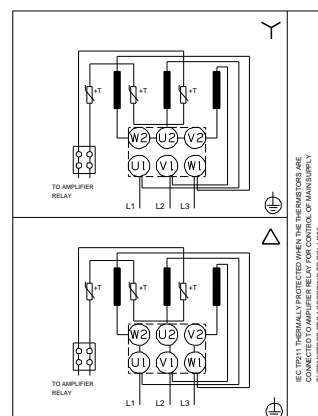
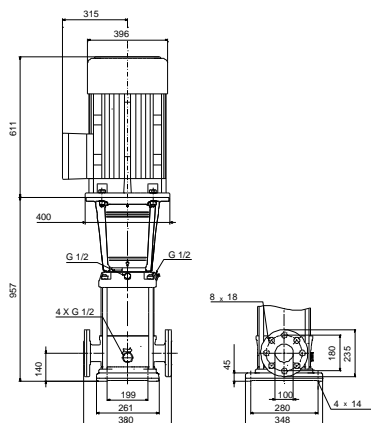
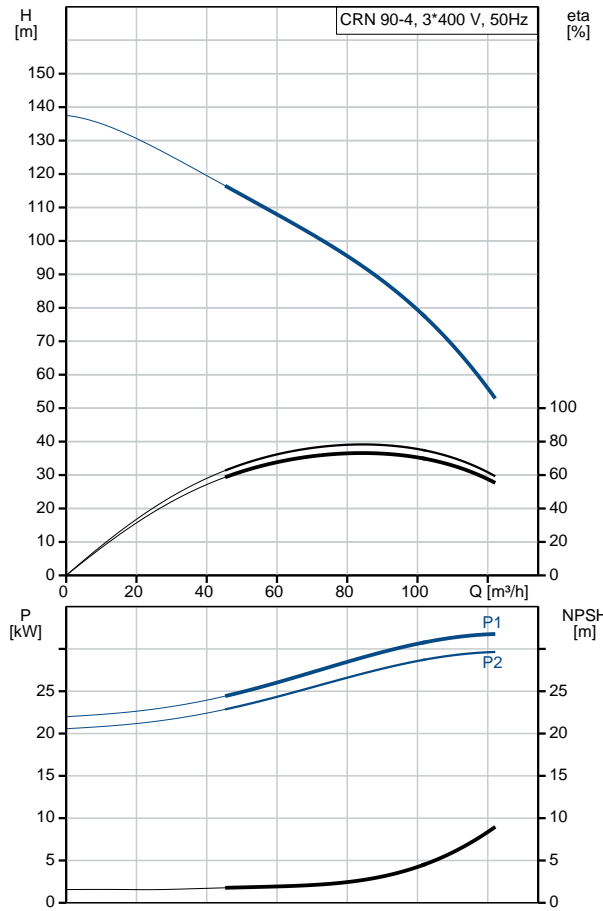


Qty.	Description
	<p>Electrical data:</p> <p>Motor standard: IEC</p> <p>Motor type: SIEMENS</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 30 kW</p> <p>Power (P2) required by pump: 30 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-420D/660-725Y V</p> <p>Rated current: 56,0-51,0/32,0-29,5 A</p> <p>Starting current: 660-660 %</p> <p>Cos phi - power factor: 0.87</p> <p>Rated speed: 2955 rpm</p> <p>Efficiency: IE3 93,3%</p> <p>Motor efficiency at full load: 93.3-93.3 %</p> <p>Motor efficiency at 3/4 load: 93.6-93.6 %</p> <p>Motor efficiency at 1/2 load: 93.4-93.4 %</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>Others:</p> <p>Minimum efficiency index, MEI $\hat{\alpha}\%$: 0.70</p> <p>Net weight: 321 kg</p> <p>Gross weight: 372 kg</p> <p>Shipping volume: 0.82 m³</p>

96536547 CRN 90-4 A-F-H-E-HQQE 50 Hz



Description	Value
General information:	
Product name:	CRN 90-4 A-F-H-E-HQQE
Product No:	96536547
EAN number:	5700397574959
Technical:	
Pump speed on which pump data are based:	2951 rpm
Rated flow:	90 m ³ /h
Rated head:	88.7 m
Head max:	137 m
Stages:	4
Impellers:	4
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE, EAC, ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	B
Materials:	
Base:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel EN 1.4401 AISI 316
Material code:	H
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C 16 bar / -40 °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:	FF350
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-40 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	30 kW
Power (P2) required by pump:	30 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725V V
Rated current:	56,0-51,0/32,0-29,5 A





Company name:

Created by:

Phone:

Date:

12/03/2019

Description	Value
Starting current:	660-660 %
Cos phi - power factor:	0.87
Rated speed:	2955 rpm
Efficiency:	IE3 93,3%
Motor efficiency at full load:	93.3-93.3 %
Motor efficiency at 3/4 load:	93.6-93.6 %
Motor efficiency at 1/2 load:	93.4-93.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15332
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI %:	0.70
Net weight:	321 kg
Gross weight:	372 kg
Shipping volume:	0.82 m ³
Sales region:	Great Britain