
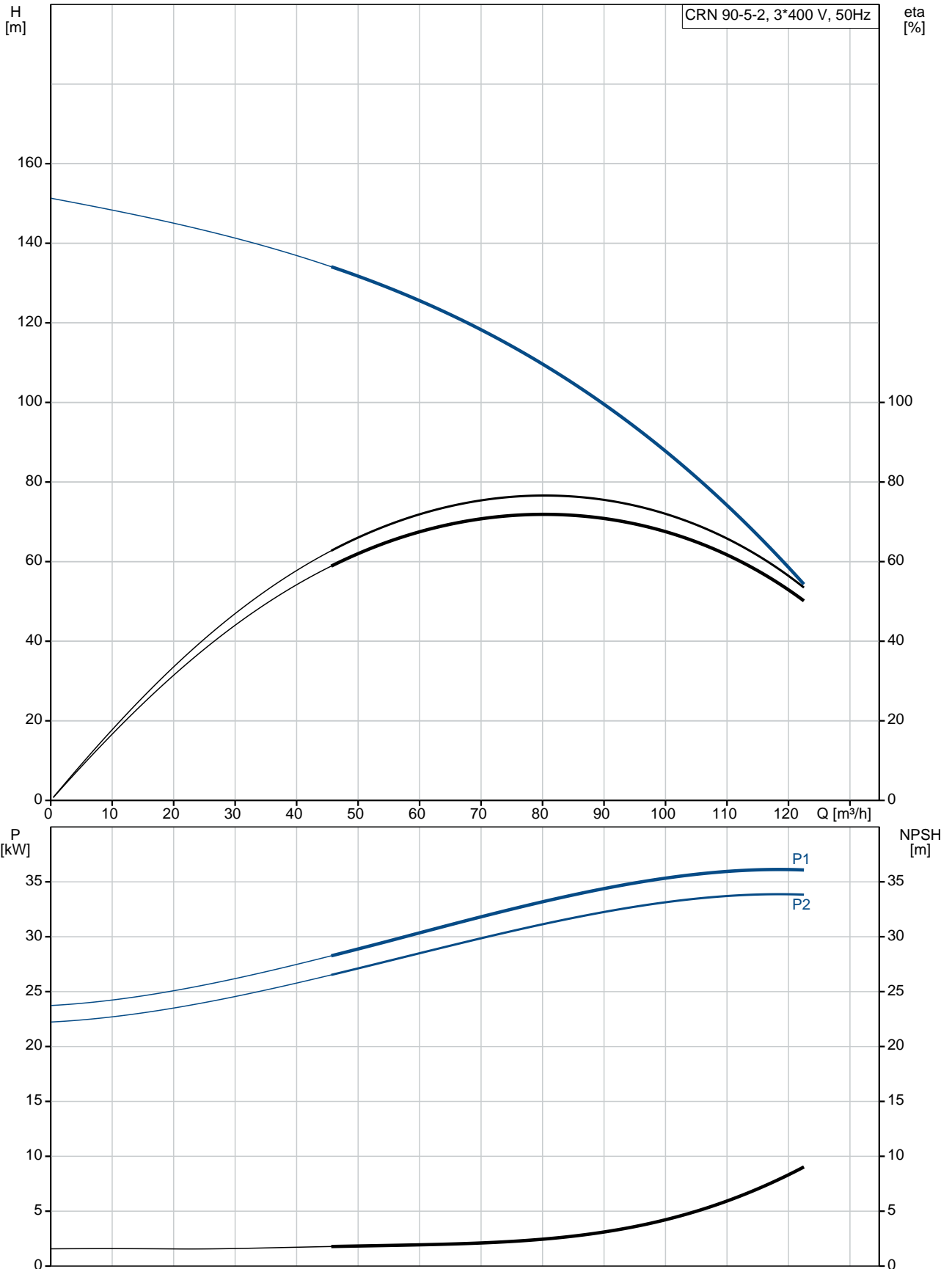


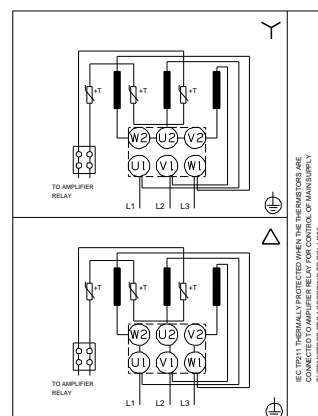
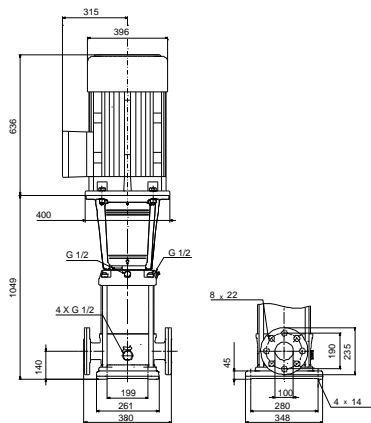
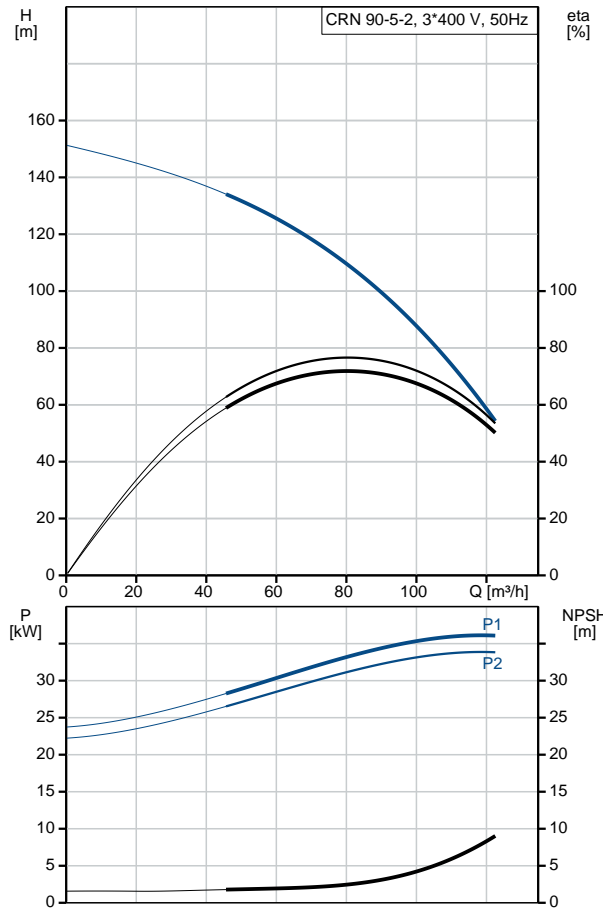
Qty.	Description
1	<p data-bbox="197 338 517 369"><b>CRN 90-5-2 A-F-H-E-HQQE</b></p> <div data-bbox="352 376 427 629" style="text-align: center;">  </div> <p data-bbox="197 660 469 692">Product No.: <a href="#">96536560</a></p> <p data-bbox="197 719 1453 824">Vertical, multistage centrifugal pump with 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="197 862 935 893">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="197 922 316 954"><b>Controls:</b></p> <p data-bbox="197 954 639 985">Frequency converter:                    NONE</p> <p data-bbox="197 1014 288 1046"><b>Liquid:</b></p> <p data-bbox="197 1046 639 1077">Pumped liquid:                            Water</p> <p data-bbox="197 1077 708 1108">Liquid temperature range:            -40 .. 120 °C</p> <p data-bbox="197 1108 687 1140">Liquid temperature during operation: 20 °C</p> <p data-bbox="197 1140 699 1171">Density:                                      998.2 kg/m<sup>3</sup></p> <p data-bbox="197 1200 328 1232"><b>Technical:</b></p> <p data-bbox="197 1232 823 1263">Pump speed on which pump data are based: 2957 rpm</p> <p data-bbox="197 1263 651 1294">Rated flow:                                 90 m<sup>3</sup>/h</p> <p data-bbox="197 1294 644 1326">Rated head:                                 98.6 m</p> <p data-bbox="197 1326 651 1357">Pump orientation:                        Vertical</p> <p data-bbox="197 1357 639 1388">Shaft seal arrangement:                Single</p> <p data-bbox="197 1388 639 1420">Code for shaft seal:                      HQQE</p> <p data-bbox="197 1420 724 1451">Approvals on nameplate:               CE, EAC,ACS</p> <p data-bbox="197 1451 764 1482">Curve tolerance:                         ISO9906:2012 3B</p> <p data-bbox="197 1512 320 1543"><b>Materials:</b></p> <p data-bbox="197 1543 727 1574">Base:                                         Stainless steel</p> <p data-bbox="564 1574 687 1606">   EN 1.4408</p> <p data-bbox="564 1606 663 1637">   AISI 316</p> <p data-bbox="197 1637 727 1668">Impeller:                                    Stainless steel</p> <p data-bbox="564 1668 687 1700">   EN 1.4401</p> <p data-bbox="564 1700 663 1731">   AISI 316</p> <p data-bbox="197 1731 608 1762">Bearing:                                     SIC</p> <p data-bbox="197 1762 651 1794">Support bearing:                         Graflon</p> <p data-bbox="197 1823 344 1854"><b>Installation:</b></p> <p data-bbox="197 1854 632 1886">Maximum ambient temperature: 55 °C</p> <p data-bbox="197 1886 639 1917">Maximum operating pressure: 30 bar</p> <p data-bbox="197 1917 740 1948">Max pressure at stated temp: 30 bar / 120 °C</p> <p data-bbox="564 1948 740 1980">   30 bar / -40 °C</p> <p data-bbox="197 1980 608 2011">Type of connection:                      DIN</p> <p data-bbox="197 2011 651 2042">Size of inlet connection:                DN 100</p> <p data-bbox="197 2042 651 2074">Size of outlet connection:               DN 100</p> <p data-bbox="197 2074 687 2105">Pressure rating for pipe connection: PN 40</p> <p data-bbox="197 2105 639 2136">Flange size for motor:                    FF350</p>

Qty.	Description
	<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><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\hat{\alpha}\%</math>: 0.70</p> <p>Net weight: 353 kg</p> <p>Gross weight: 392 kg</p> <p>Shipping volume: 0.805 m<sup>3</sup></p>

## 96536560 CRN 90-5-2 A-F-H-E-HQQE 50 Hz



Description	Value
<b>General information:</b>	
Product name:	CRN 90-5-2 A-F-H-E-HQQE
Product No:	96536560
EAN number:	5700397575185
<b>Technical:</b>	
Pump speed on which pump data are based:	2957 rpm
Rated flow:	90 m <sup>3</sup> /h
Rated head:	98.6 m
Head max:	149.9 m
Stages:	5
Impellers:	5
Number of reduced-diameter impellers:	2
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
<b>Materials:</b>	
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
<b>Installation:</b>	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	30 bar
Max pressure at stated temp:	30 bar / 120 °C 30 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 40
Flange size for motor:	FF350
Connect code:	F
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-40 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<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
Rated current:	68,0-63,0/39,0-36,0 A





Company name:

Created by:

Phone:

Date:

12/03/2019

Description	Value
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 %:	0.70
Net weight:	353 kg
Gross weight:	392 kg
Shipping volume:	0.805 m <sup>3</sup>
Sales region:	Great Britain