


Qty.	Description
1	<p data-bbox="199 338 517 367"><b>CRN 90-2-2 A-F-H-E-HQQE</b></p>  <p data-bbox="199 660 469 689">Product No.: <a href="#">96536544</a></p> <p data-bbox="199 719 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="199 862 935 891">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="199 920 316 949"><b>Controls:</b></p> <p data-bbox="199 952 639 981">Frequency converter: NONE</p> <p data-bbox="199 1010 288 1039"><b>Liquid:</b></p> <p data-bbox="199 1041 708 1160">Pumped liquid: Water Liquid temperature range: -40 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m<sup>3</sup></p> <p data-bbox="199 1189 328 1218"><b>Technical:</b></p> <p data-bbox="199 1220 823 1458">Pump speed on which pump data are based: 2924 rpm Rated flow: 90 m<sup>3</sup>/h Rated head: 27.1 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 1516"><b>Materials:</b></p> <p data-bbox="199 1518 727 1756">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 1814"><b>Installation:</b></p> <p data-bbox="199 1816 743 2076">Maximum ambient temperature: 60 °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: FF300</p>

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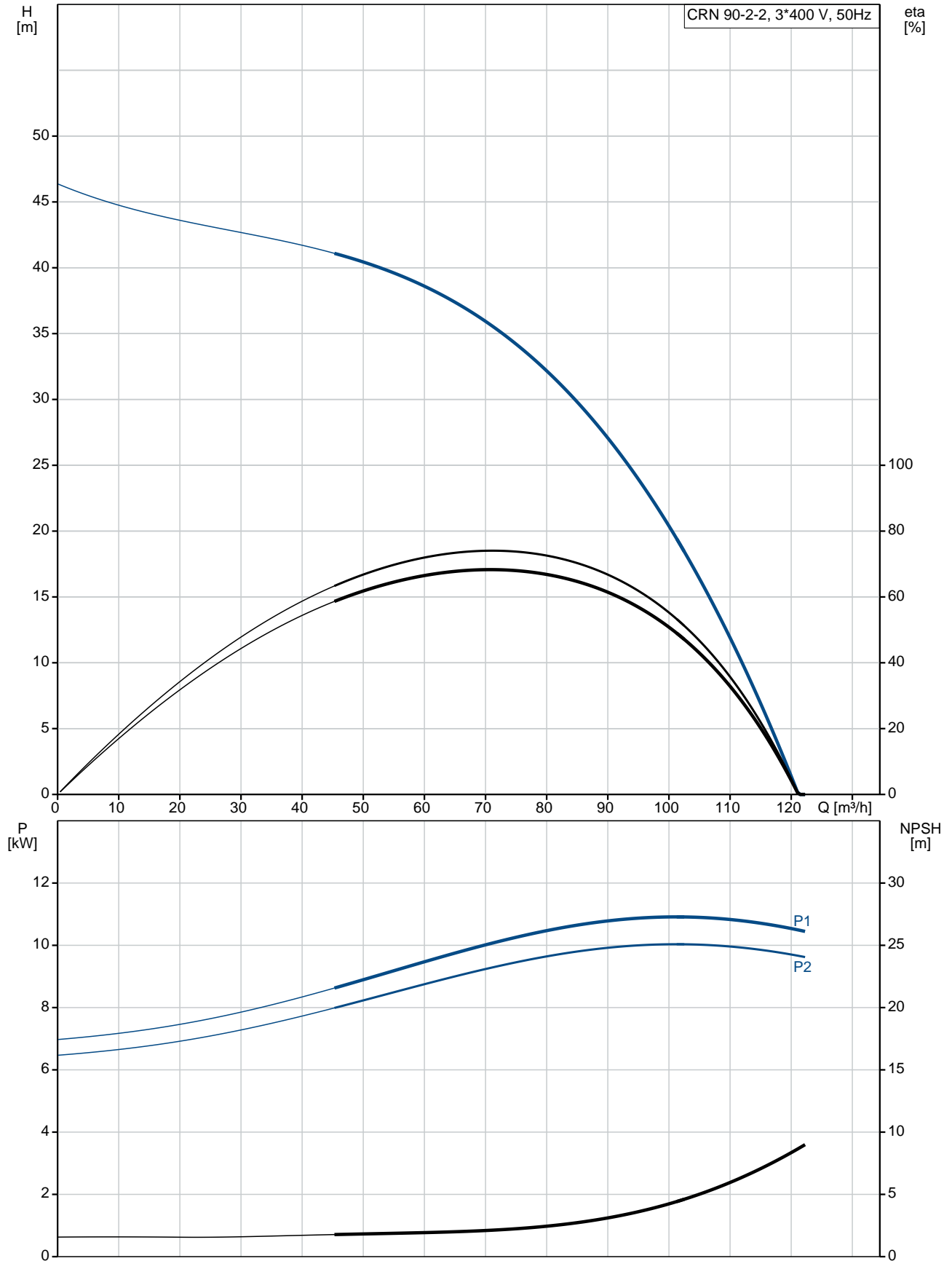
**Electrical data:**

Motor standard:	IEC
Motor type:	160MB
IE Efficiency class:	IE3
Rated power - P2:	11 kW
Power (P2) required by pump:	11 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	20,8-19,8/12,0-11,8 A
Starting current:	660-780 %
Cos phi - power factor:	0.88-0.84
Rated speed:	2940-2950 rpm
Efficiency:	IE3 91,2%
Motor efficiency at full load:	91.2-91.2 %
Motor efficiency at 3/4 load:	91.8 %
Motor efficiency at 1/2 load:	91.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F

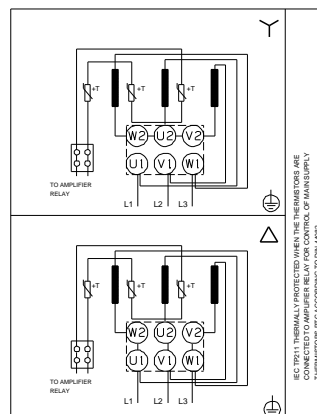
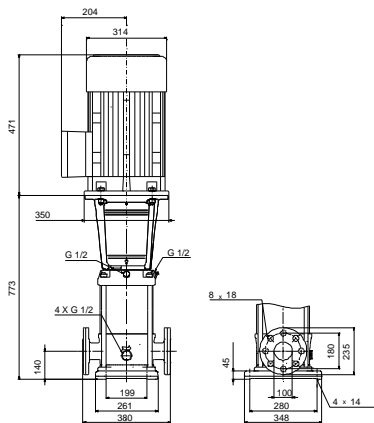
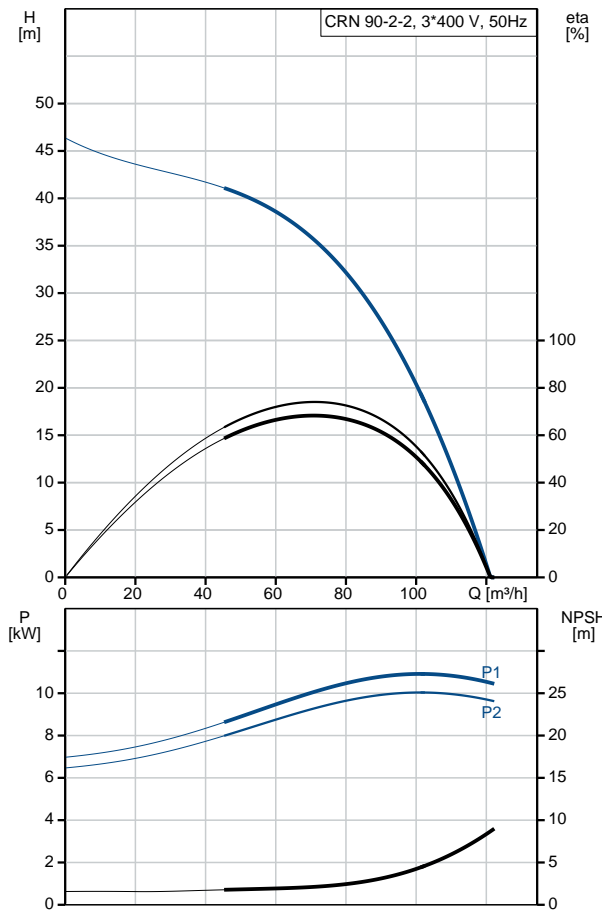
**Others:**

Minimum efficiency index, MEI $\hat{\alpha}\%$ :	0.70
Net weight:	169 kg
Gross weight:	202 kg
Shipping volume:	0.495 m <sup>3</sup>

## 96536544 CRN 90-2-2 A-F-H-E-HQQE 50 Hz



Description	Value
<b>General information:</b>	
Product name:	CRN 90-2-2 A-F-H-E-HQQE
Product No:	96536544
EAN number:	5700397574928
<b>Technical:</b>	
Pump speed on which pump data are based:	2924 rpm
Rated flow:	90 m <sup>3</sup> /h
Rated head:	27.1 m
Head max:	46.6 m
Stages:	2
Impellers:	2
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:	60 °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:	FF300
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:	160MB
IE Efficiency class:	IE3
Rated power - P2:	11 kW
Power (P2) required by pump:	11 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690V
Rated current:	20,8-19,8/12,0-11,8 A





Company name:

Created by:

Phone:

Date:

12/03/2019

Description	Value
Starting current:	660-780 %
Cos phi - power factor:	0.88-0.84
Rated speed:	2940-2950 rpm
Efficiency:	IE3 91,2%
Motor efficiency at full load:	91.2-91.2 %
Motor efficiency at 3/4 load:	91.8 %
Motor efficiency at 1/2 load:	91.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17524
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Minimum efficiency index, MEI %:	0.70
Net weight:	169 kg
Gross weight:	202 kg
Shipping volume:	0.495 m <sup>3</sup>
Sales region:	Great Britain

## 96536544 CRN 90-2-2 A-F-H-E-HQQE 50 Hz

