

Qty. Description

1 CRN 45-12-2 A-F-GI-E-HQQE



Note! Product picture may differ from actual product

Product No.: [96536691](#)

Pump materials in contact with the liquid are in high-grade stainless steel. 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: -30 .. 120 °C
 Liquid temperature during operation: 20 °C
 Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2960 rpm
 Code for shaft seal: HQQE
 Curve tolerance: ISO 9906:1999 Annex A

Materials:

Base: Stainless steel
 EN 1.4408
 AISI 316
 Impeller: Stainless steel
 1.4401
 AISI 316

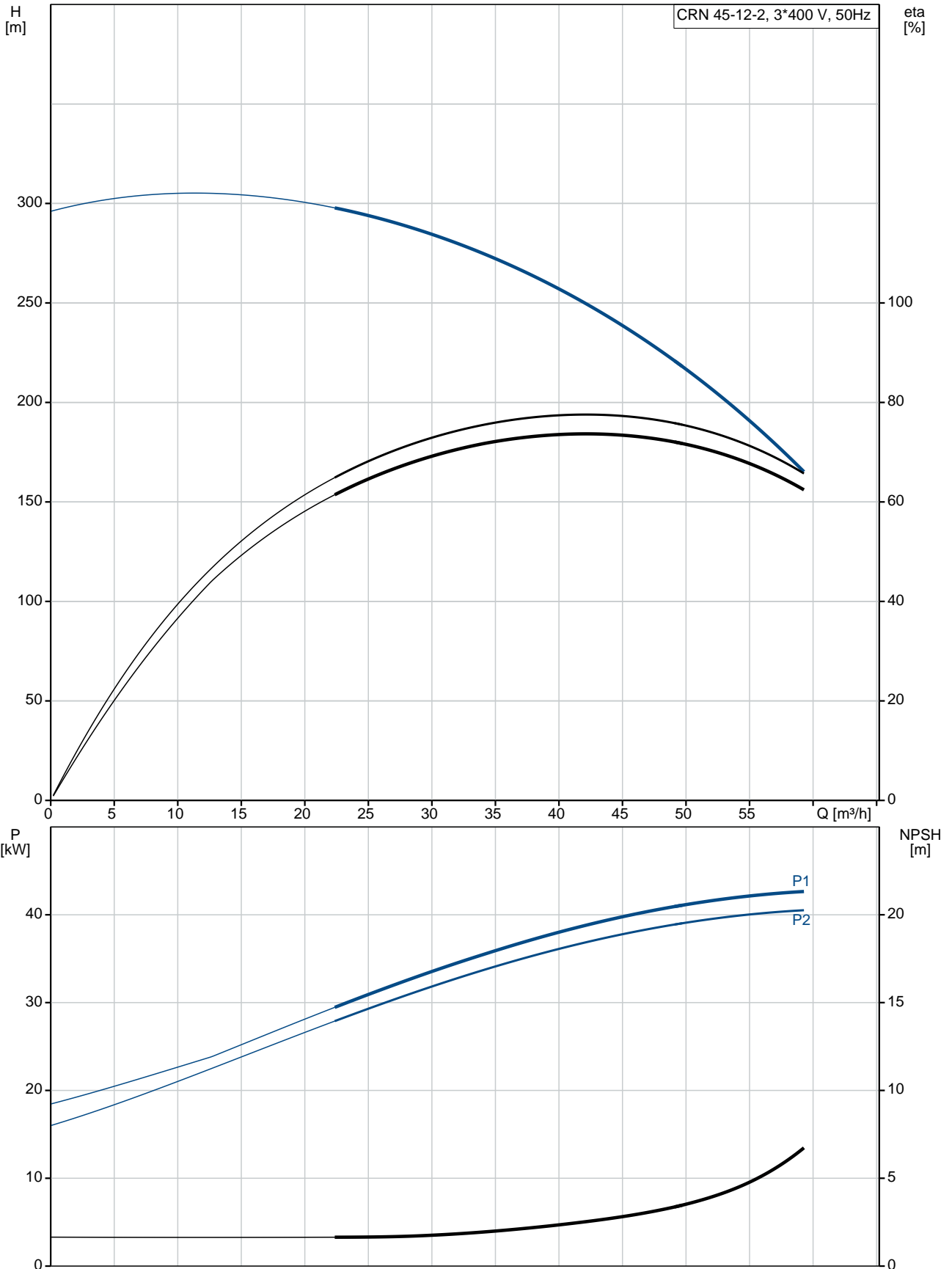
Installation:

Maximum ambient temperature: 40 °C
 Maximum operating pressure: 33 bar
 Max pressure at stated temp: 33 bar / 120 °C
 33 bar / -30 °C
 Type of connection: DIN
 Size of inlet connection: DN 80
 Size of outlet connection: DN 80
 Pressure rating for pipe connection: PN 16 / PN 25 / PN 40
 Flange size for motor: FF400

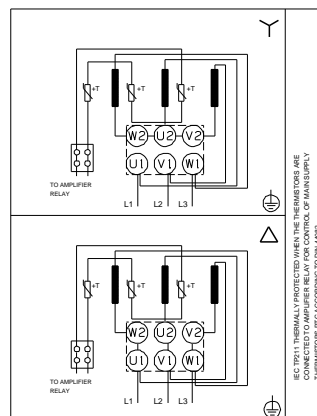
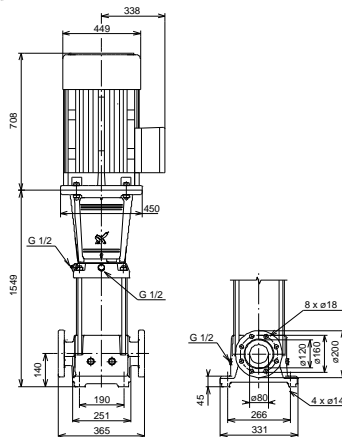
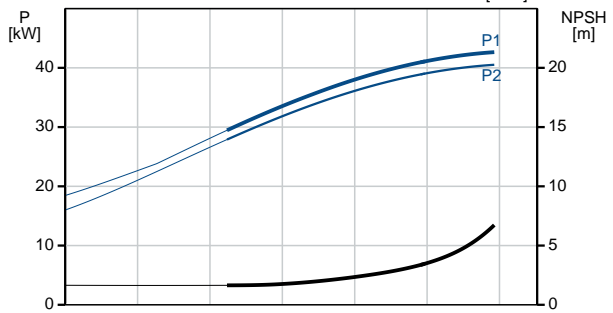
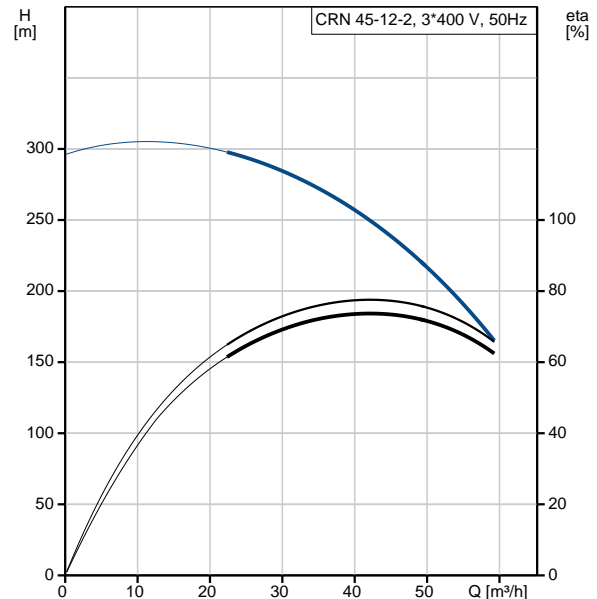
Electrical data:

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96536691 CRN 45-12-2 A-F-GI-E-HQQE 50 Hz



Description	Value
General information:	
Product name:	CRN 45-12-2 A-F-GI-E-HQQE
Product No:	96536691
EAN number:	5700397578506
Technical:	
Pump speed on which pump data are based:	2960 rpm
Head max:	295.8 m
Stages:	12
Impellers:	12
Number of reduced-diameter impellers:	2
Code for shaft seal:	HQQE
Curve tolerance:	ISO 9906:1999 Annex A
Pump version:	A
Model:	A
Materials:	
Base:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel 1.4401 AISI 316
Material code:	GI
Code for rubber:	E
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	33 bar
Max pressure at stated temp:	33 bar / 120 °C 33 bar / -30 °C
Type of connection:	DIN
Size of inlet connection:	DN 80
Size of outlet connection:	DN 80
Pressure rating for pipe connection:	PN 16 / PN 25 / PN 40
Flange size for motor:	FF400
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-30 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Motor type:	225M
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Rated power - P2:	45 kW
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Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 D/660-690 V
Rated current:	77.0/44.5 A
Starting current:	730 %
Cos phi - power factor:	0.89
Rated speed:	2965 rpm
Efficiency:	IE3 94,0%
Motor efficiency at full load:	95 %
Motor efficiency at 3/4 load:	95 %
Motor efficiency at 1/2 load:	94.4-94.4 %
Number of poles:	2





Company name:

Created by:

Phone:

Date:

12/03/2019

Description	Value
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15336
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI $\eta_{\%}$:	0.7
Net weight:	454 kg
Gross weight:	556 kg
Shipping volume:	0.88 m ³
Sales region:	GB
Country of origin:	GB
Custom tariff no.:	84137075