

Date: 19/03/2019

Qty. | Description

1 CRIE 15-10 A-FGJ-A-E-HQQE



Product No.: 96514522

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid 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 combined DIN-ANSI-JIS flanges.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor. The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. An operating panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The operating panel has indicator lights for "Operation" and "Fault".

Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".

The terminal box holds terminals for these connections:

- pump start/stop input (potential-free contact)
- remote setpoint setting via analog signal, 0-10 V, 0(4)-20 mA
- 10 V voltage supply for setpoint potentiometer, Imax = 5 mA
- three analog sensor inputs, 0-10 V, 0(4)-20 mA
- 24 V voltage supply for sensor, Imax = 40 mA
- one analog output
- three digital inputs
- two Pt100 inputs
- two potential-free fault signal relays with changeover contact, reporting "Fault", "Operation" or "Ready"
- RS-485 GENIbus connection
- interface for Grundfos CIM fieldbus module.

Controls:

Frequency converter: Built-in Pressure sensor: N

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 3528 rpm

Rated flow: 20.5 m³/h
Rated head: 163.4 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE

Approvals on nameplate: CE, EAC,ACS
Curve tolerance: ISO9906:2012 3B

Materials:



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> Base: Stainless steel

> > EN 1.4408 **AISI 316**

Impeller: Stainless steel

EN 1.4301

AISI 304

Bearing: SIC

Installation:

Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar

Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C

Type of connection: DIN / ANSI / JIS

Size of inlet connection: **DN 50**

2 inch

Size of outlet connection: **DN 50**

2 inch

Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FF300

Electrical data:

Motor standard: **IEC** Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz

Rated voltage: 3 x 380-480 V Rated current: 30.0-26.0 A Cos phi - power factor: 0.91-0.86 Rated speed: 480-3540 rpm Efficiency: IE3 91,9% Motor efficiency at full load: 91.9 %

Number of poles: 2 IP55 Enclosure class (IEC 34-5): Insulation class (IEC 85): F

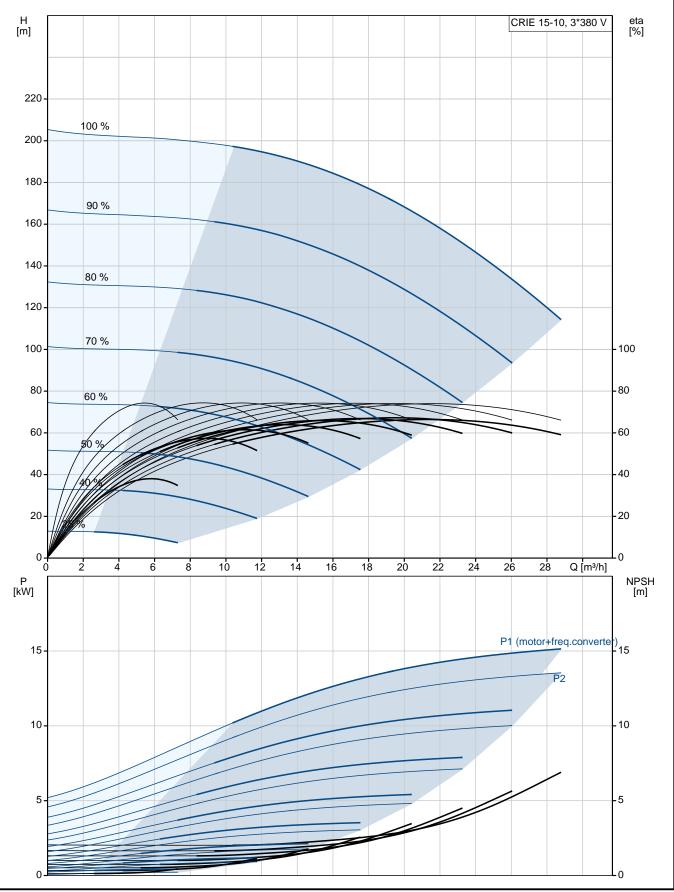
Others:

Minimum efficiency index, MEI ≥: 0.70 Net weight: 207 kg Gross weight: 259 kg Shipping volume: 0.82 m³ Country of origin: GB Custom tariff no.: 84137075



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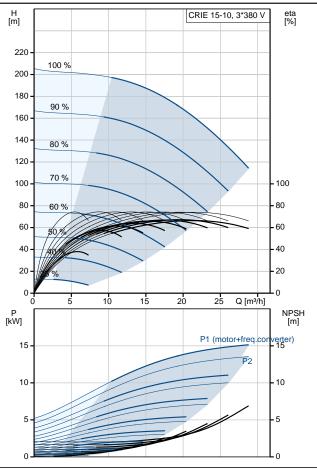
96514522 CRIE 15-10 A-FGJ-A-E-HQQE 50 Hz

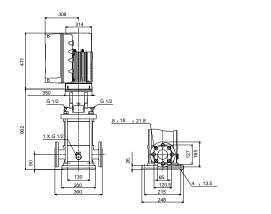


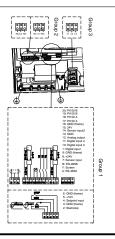


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Description	Value
General information:	
	CRIE 15-10
Product name:	A-FGJ-A-E-HQQE
Product No:	96514522
EAN number:	5700396707853
Price:	8.254,00 GBP
Technical:	.
Pump speed on which pump data are	
based:	3528 rpm
Rated flow:	20.5 m³/h
Rated head:	163.4 m
Head max:	203 m
Stages:	10
Impellers:	10
Number of reduced-diameter impellers:	
Training of Traduced diameter impendio	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HOOE
Approvals on nameplate:	CE, EAC,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Base:	Stainless steel
Dase.	EN 1.4408
	AISI 316
lasa alla vi	
Impeller:	Stainless steel
	EN 1.4301
***	AISI 304
Material code:	<u>A</u>
Code for rubber:	E
Bearing:	SIC
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	25 bar
Max pressure at stated temp:	25 bar / 120 °C
	25 bar / -20 °C
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 50
	2 inch
Size of outlet connection:	DN 50
	2 inch
Pressure rating for pipe connection:	PN 25
Flange rating inlet:	300 lb
Flange size for motor:	FF300
Connect code:	FGJ
Liquid:	
Liquid: Pumped liquid:	Water
Pumped liquid:	Water -20 120 °C
Pumped liquid: Liquid temperature range:	
Pumped liquid: Liquid temperature range: Liquid temperature during operation:	-20 120 °C 20 °C
Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density:	-20 120 °C
Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	-20 120 °C 20 °C 998.2 kg/m³
Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard:	-20 120 °C 20 °C 998.2 kg/m³
Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type:	-20 120 °C 20 °C 998.2 kg/m³ IEC 160MD
Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class:	-20 120 °C 20 °C 998.2 kg/m³ IEC 160MD IE3
Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type:	-20 120 °C 20 °C 998.2 kg/m³ IEC 160MD









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Description	Value
Mains frequency:	50 Hz
Rated voltage:	3 x 380-480 V
Rated current:	30.0-26.0 A
Cos phi - power factor:	0.91-0.86
Rated speed:	480-3540 rpm
Efficiency:	IE3 91,9%
Motor efficiency at full load:	91.9 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	YES
Motor No:	85901025
Controls:	
Function Module:	ADVANCED I/O
Frequency converter:	Built-in
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	207 kg
Gross weight:	259 kg
Shipping volume:	0.82 m ³
Country of origin:	GB
Custom tariff no.:	84137075



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