

Qty. Description

1 CRI 1-23A-FGJ-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: [96529493](#)

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.

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water
 Liquid temperature range: -20 .. 90 °C
 Selected liquid temperature: 20 °C
 Density at selected liquid temperature: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2853 rpm
 Rated flow: 1.8 m³/h
 Rated head: 104.5 m
 Pump orientation: Vertical
 Shaft seal arrangement: Single
 Code for shaft seal: HQQV
 Approvals on nameplate: CE, EAC
 Curve tolerance: ISO9906:2012 3B

Materials:

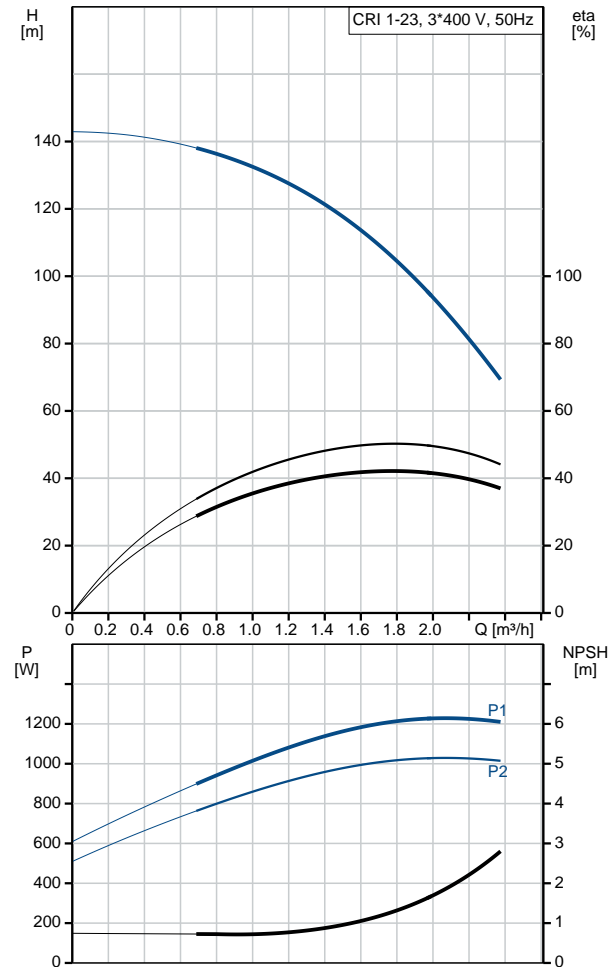
Base: Stainless steel
 EN 1.4408
 AISI 316
 Impeller: Stainless steel
 EN 1.4301
 AISI 304
 Bearing: SIC

Installation:

Maximum ambient temperature: 60 °C
 Maximum operating pressure: 25 bar

| Qty. | Description |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Max pressure at stated temp: 25 bar / 90 °C 25 bar / -20 °C Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 1 1/4 inch Size of outlet connection: DN 25/32 1 1/4 inch Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: FT100 Electrical data: Motor standard: IEC Motor type: 80C IE Efficiency class: IE3 Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V Rated current: 4.35/2.50 A Starting current: 450-500 % Cos phi - power factor: 0.83-0.76 Rated speed: 2840-2870 rpm Efficiency: IE3 82,7% Motor efficiency at full load: 82.7 % Motor efficiency at 3/4 load: 84.6 % Motor efficiency at 1/2 load: 85.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85905176 Others: Minimum efficiency index, MEI η_{min} : 0.70 Net weight: 34 kg Gross weight: 38.1 kg Shipping volume: 0.092 m ³ Country of origin: GB Custom tariff no.: 84137075 |

| Description | Value |
|------------------------------------------|------------------------------------------|
| General information: | |
| Product name: | CRI 1-23A-FGJ-A-V-HQQV |
| Product No: | 96529493 |
| EAN number: | 5700397167120 |
| Technical: | |
| Pump speed on which pump data are based: | 2853 rpm |
| Rated flow: | 1.8 m ³ /h |
| Rated head: | 104.5 m |
| Head max: | 141 m |
| Stages: | 23 |
| Impellers: | 23 |
| Number of reduced-diameter impellers: | 0 |
| Low NPSH: | N |
| Pump orientation: | Vertical |
| Shaft seal arrangement: | Single |
| Code for shaft seal: | HQQV |
| Approvals on nameplate: | CE, EAC |
| Curve tolerance: | ISO9906:2012 3B |
| Pump version: | A |
| Model: | A |
| Materials: | |
| Base: | Stainless steel EN 1.4408 AISI 316 |
| Impeller: | Stainless steel EN 1.4301 AISI 304 |
| Material code: | A |
| Code for rubber: | V |
| Bearing: | SIC |
| Installation: | |
| Maximum ambient temperature: | 60 °C |
| Maximum operating pressure: | 25 bar |
| Max pressure at stated temp: | 25 bar / 90 °C 25 bar / -20 °C |
| Type of connection: | DIN / ANSI / JIS |
| Size of inlet connection: | DN 25/32 1 1/4 inch |
| Size of outlet connection: | DN 25/32 1 1/4 inch |
| Pressure rating for pipe connection: | PN 25 |
| Flange rating inlet: | 300 lb |
| Flange size for motor: | FT100 |
| Connect code: | FGJ |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -20 .. 90 °C |
| Selected liquid temperature: | 20 °C |
| Density at selected liquid temperature: | 998.2 kg/m ³ |
| Electrical data: | |
| Motor standard: | IEC |
| Motor type: | 80C |
| IE Efficiency class: | IE3 |
| Rated power - P2: | 1.1 kW |
| Power (P2) required by pump: | 1.1 kW |
| Mains frequency: | 50 Hz |





Company name:

Created by:

Phone:

Date:

08/05/2019

| Description | Value |
|----------------------------------------------|----------------------------|
| Rated voltage: | 3 x 220-240D/380-415Y V |
| Rated current: | 4.35/2.50 A |
| Starting current: | 450-500 % |
| Cos phi - power factor: | 0.83-0.76 |
| Rated speed: | 2840-2870 rpm |
| Efficiency: | IE3 82,7% |
| Motor efficiency at full load: | 82.7 % |
| Motor efficiency at 3/4 load: | 84.6 % |
| Motor efficiency at 1/2 load: | 85.4 % |
| Number of poles: | 2 |
| Enclosure class (IEC 34-5): | 55 Dust/Jetting |
| Insulation class (IEC 85): | F |
| Motor protec: | NONE |
| Motor No: | 85905176 |
| Controls: | |
| Frequency converter: | NONE |
| Others: | |
| Minimum efficiency index, MEI $\hat{a}\%$ ¥: | 0.70 |
| Net weight: | 34 kg |
| Gross weight: | 38.1 kg |
| Shipping volume: | 0.092 m ³ |
| Sales region: | GB |
| Country of origin: | GB |
| Custom tariff no.: | 84137075 |