

**Qty. Description**

1 CRI 1-2A-CA-A-V-HQQV



Product No.: [96516338](#)

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 FlexiClamps.

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/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 2873 rpm  
 Rated flow: 1.8 m<sup>3</sup>/h  
 Rated head: 9.8 m  
 Pump orientation: Vertical  
 Shaft seal arrangement: Single  
 Code for shaft seal: HQQV  
 Approvals on nameplate: CE, EAC  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

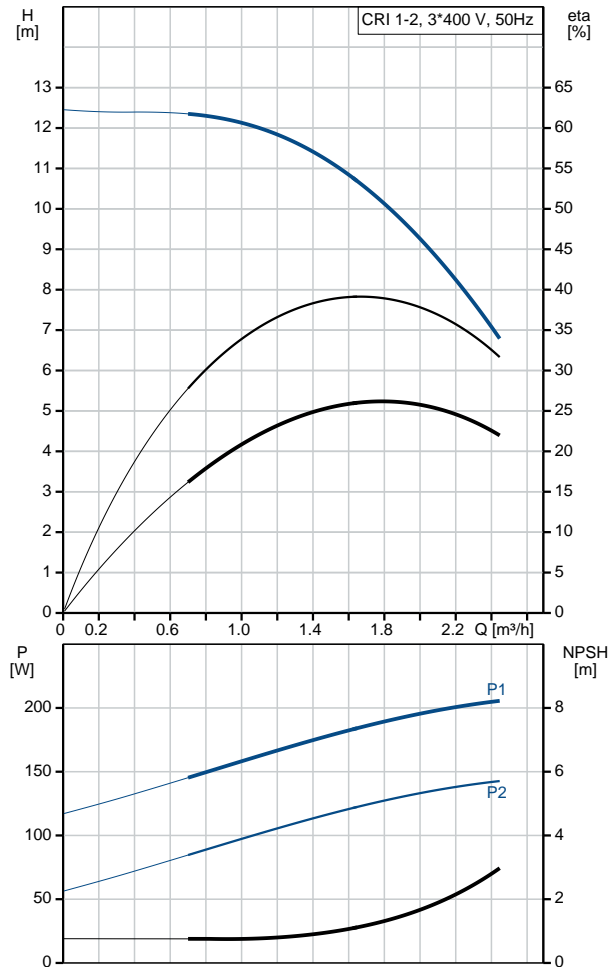
Base: Stainless steel  
 EN 1.4408  
 AISI 316  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304  
 Bearing: SIC

**Installation:**

Maximum ambient temperature: 40 °C  
 Maximum operating pressure: 25 bar  
 Max pressure at stated temp: 25 bar / 90 °C  
 25 bar / -20 °C  
 Type of connection: FlexiClamp  
 Size of inlet connection: DN 32  
 1 1/4 inch  
 Size of outlet connection: DN 32  
 1 1/4 inch  
 Pressure rating for pipe connection: PN 25  
 Flange size for motor: FT85

| Qty. | Description   |
|------|---|
|      | <p><b>Electrical data:</b></p> <p>Motor standard: IEC</p> <p>Motor type: 71A</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 0.37 kW</p> <p>Power (P2) required by pump: 0.37 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 220-240D/380-415Y V</p> <p>Rated current: 1.74/1.00 A</p> <p>Starting current: 490-530 %</p> <p>Cos phi - power factor: 0.80-0.70</p> <p>Rated speed: 2850-2880 rpm</p> <p>Efficiency: IE3 73,8%</p> <p>Motor efficiency at full load: 73.8 %</p> <p>Motor efficiency at 3/4 load: 79.0 %</p> <p>Motor efficiency at 1/2 load: 75.5 %</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>Motor No: 85805102</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\hat{\alpha}\%</math>: 0.70</p> <p>Net weight: 16.5 kg</p> <p>Gross weight: 19.1 kg</p> <p>Shipping volume: 0.054 m<sup>3</sup></p> <p>Country of origin: GB</p> <p>Custom tariff no.: 84137075</p> |

| Description                              | Value                                    |
|--|--|
| <b>General information:</b>              |  |
| Product name:                            | CRI<br>1-2A-CA-A-V-HQQV                  |
| Product No:                              | 96516338                                 |
| EAN number:                              | 5700396741215                            |
| <b>Technical:</b>                        |  |
| Pump speed on which pump data are based: | 2873 rpm                                 |
| Rated flow:                              | 1.8 m <sup>3</sup> /h                    |
| Rated head:                              | 9.8 m                                    |
| Head max:                                | 12.1 m                                   |
| Stages:                                  | 3  |
| Impellers:                               | 2  |
| 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  |
| <b>Materials:</b>                        |  |
| Base:                                    | Stainless steel<br>EN 1.4408<br>AISI 316 |
| Impeller:                                | Stainless steel<br>EN 1.4301<br>AISI 304 |
| Material code:                           | A  |
| Code for rubber:                         | V  |
| Bearing:                                 | SIC                                      |
| <b>Installation:</b>                     |  |
| Maximum ambient temperature:             | 40 °C                                    |
| Maximum operating pressure:              | 25 bar                                   |
| Max pressure at stated temp:             | 25 bar / 90 °C<br>25 bar / -20 °C        |
| Type of connection:                      | FlexiClamp                               |
| Size of inlet connection:                | DN 32<br>1 1/4 inch                      |
| Size of outlet connection:               | DN 32<br>1 1/4 inch                      |
| Pressure rating for pipe connection:     | PN 25                                    |
| Flange size for motor:                   | FT85                                     |
| Connect code:                            | CA                                       |
| <b>Liquid:</b>                           |  |
| Pumped liquid:                           | Water                                    |
| Liquid temperature range:                | -20 .. 90 °C                             |
| Selected liquid temperature:             | 20 °C                                    |
| Density at selected liquid temperature:  | 998.2 kg/m <sup>3</sup>                  |
| <b>Electrical data:</b>                  |  |
| Motor standard:                          | IEC                                      |
| Motor type:                              | 71A                                      |
| IE Efficiency class:                     | IE3                                      |
| Rated power - P2:                        | 0.37 kW                                  |
| Power (P2) required by pump:             | 0.37 kW                                  |
| Mains frequency:                         | 50 Hz                                    |
| Rated voltage:                           | 3 x 220-240D/380-415V<br>V               |





Company name:

Created by:

Phone:

Date:

07/05/2019

| Description                                  | Value                |
|--|----------------------|
| Rated current:                               | 1.74/1.00 A          |
| Starting current:                            | 490-530 %            |
| Cos phi - power factor:                      | 0.80-0.70            |
| Rated speed:                                 | 2850-2880 rpm        |
| Efficiency:                                  | IE3 73,8%            |
| Motor efficiency at full load:               | 73.8 %               |
| Motor efficiency at 3/4 load:                | 79.0 %               |
| Motor efficiency at 1/2 load:                | 75.5 %               |
| Number of poles:                             | 2                    |
| Enclosure class (IEC 34-5):                  | 55 Dust/Jetting      |
| Insulation class (IEC 85):                   | F                    |
| Motor protec:                                | NONE                 |
| Motor No:                                    | 85805102             |
| <b>Controls:</b>                             |                      |
| Frequency converter:                         | NONE                 |
| <b>Others:</b>                               |                      |
| Minimum efficiency index, MEI $\eta_{min}$ : | 0.70                 |
| Net weight:                                  | 16.5 kg              |
| Gross weight:                                | 19.1 kg              |
| Shipping volume:                             | 0.054 m <sup>3</sup> |
| Country of origin:                           | GB                   |
| Custom tariff no.:                           | 84137075             |