

**Qty. Description**

1 CRI 1-27A-FGJ-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: [96530622](#)

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/m<sup>3</sup>

**Technical:**

Pump speed on which pump data are based: 2896 rpm  
Rated flow: 1.8 m<sup>3</sup>/h  
Rated head: 128.3 m  
Pump orientation: Vertical  
Shaft seal arrangement: Single  
Code for shaft seal: HQQV  
Approvals on nameplate: CE, EAC  
Curve tolerance: ISO9906:2012 3B

**Materials:**

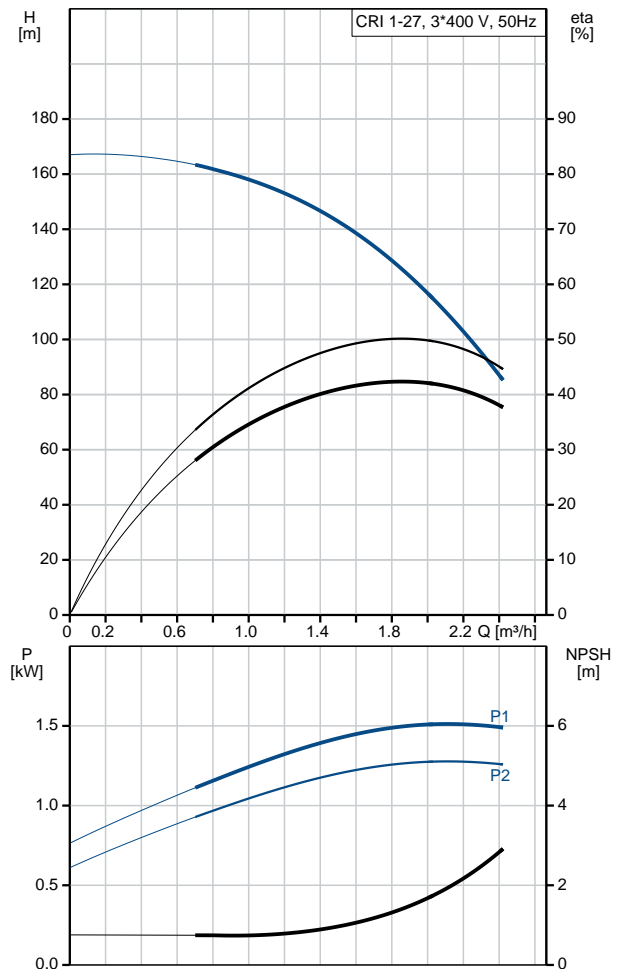
Base: Stainless steel  
EN 1.4408  
AISI 316  
Impeller: Stainless steel  
EN 1.4301  
AISI 304  
Bearing: SIC

**Installation:**

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

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p>Max pressure at stated temp: 25 bar / 90 °C<br/>25 bar / -20 °C</p> <p>Type of connection: DIN / ANSI / JIS</p> <p>Size of inlet connection: DN 25/32<br/>1 1/4 inch</p> <p>Size of outlet connection: DN 25/32<br/>1 1/4 inch</p> <p>Pressure rating for pipe connection: PN 25</p> <p>Flange rating inlet: 300 lb</p> <p>Flange size for motor: FT115</p> <p><b>Electrical data:</b></p> <p>Motor standard: IEC</p> <p>Motor type: 90SB</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 1.5 kW</p> <p>Power (P2) required by pump: 1.5 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 220-240D/380-415Y V</p> <p>Rated current: 5.45/3.15 A</p> <p>Starting current: 850-930 %</p> <p>Cos phi - power factor: 0.87-0.82</p> <p>Rated speed: 2890-2910 rpm</p> <p>Efficiency: IE3 84,2%</p> <p>Motor efficiency at full load: 84.2 %</p> <p>Motor efficiency at 3/4 load: 84.5 %</p> <p>Motor efficiency at 1/2 load: 83.1 %</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: 85U05906</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\eta_{min}</math>: 0.70</p> <p>Net weight: 43.3 kg</p> <p>Gross weight: 46.2 kg</p> <p>Shipping volume: 0.13 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>1-27A-FGJ-A-V-HQQV                |
| Product No:                              | 96530622                                 |
| EAN number:                              | 5700397212813                            |
| <b>Technical:</b>                        |                                          |
| Pump speed on which pump data are based: | 2896 rpm                                 |
| Rated flow:                              | 1.8 m <sup>3</sup> /h                    |
| Rated head:                              | 128.3 m                                  |
| Head max:                                | 168 m                                    |
| Stages:                                  | 27                                       |
| Impellers:                               | 27                                       |
| 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:             | 60 °C                                    |
| Maximum operating pressure:              | 25 bar                                   |
| Max pressure at stated temp:             | 25 bar / 90 °C<br>25 bar / -20 °C        |
| Type of connection:                      | DIN / ANSI / JIS                         |
| Size of inlet connection:                | DN 25/32<br>1 1/4 inch                   |
| Size of outlet connection:               | DN 25/32<br>1 1/4 inch                   |
| Pressure rating for pipe connection:     | PN 25                                    |
| Flange rating inlet:                     | 300 lb                                   |
| Flange size for motor:                   | FT115                                    |
| Connect code:                            | FGJ                                      |
| <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:                              | 90SB                                     |
| IE Efficiency class:                     | IE3                                      |
| Rated power - P2:                        | 1.5 kW                                   |
| Power (P2) required by pump:             | 1.5 kW                                   |
| Mains frequency:                         | 50 Hz                                    |





Company name:

Created by:

Phone:

Date:

08/05/2019

| Description                      | Value                      |
|----------------------------------|----------------------------|
| Rated voltage:                   | 3 x 220-240D/380-415Y<br>V |
| Rated current:                   | 5.45/3.15 A                |
| Starting current:                | 850-930 %                  |
| Cos phi - power factor:          | 0.87-0.82                  |
| Rated speed:                     | 2890-2910 rpm              |
| Efficiency:                      | IE3 84,2%                  |
| Motor efficiency at full load:   | 84.2 %                     |
| Motor efficiency at 3/4 load:    | 84.5 %                     |
| Motor efficiency at 1/2 load:    | 83.1 %                     |
| Number of poles:                 | 2                          |
| Enclosure class (IEC 34-5):      | 55 Dust/Jetting            |
| Insulation class (IEC 85):       | F                          |
| Motor protec:                    | NONE                       |
| Motor No:                        | 85U05906                   |
| <b>Controls:</b>                 |                            |
| Frequency converter:             | NONE                       |
| <b>Others:</b>                   |                            |
| Minimum efficiency index, MEI %: | 0.70                       |
| Net weight:                      | 43.3 kg                    |
| Gross weight:                    | 46.2 kg                    |
| Shipping volume:                 | 0.13 m <sup>3</sup>        |
| Sales region:                    | GB                         |
| Country of origin:               | GB                         |
| Custom tariff no.:               | 84137075                   |