

| Qty. | Description |
|------|-------------|
|------|-------------|

|   |                     |
|---|---------------------|
| 1 | CR 32-9A-F-A-V-HQQV |
|---|---------------------|



Note! Product picture may differ from actual product

Product No.: [96122051](#)

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts 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 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: -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: 2934 rpm  
 Rated flow: 30 m³/h  
 Rated head: 137.9 m  
 Pump orientation: Vertical  
 Shaft seal arrangement: Single  
 Code for shaft seal: HQQV  
 Approvals on nameplate: CE, EAC  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

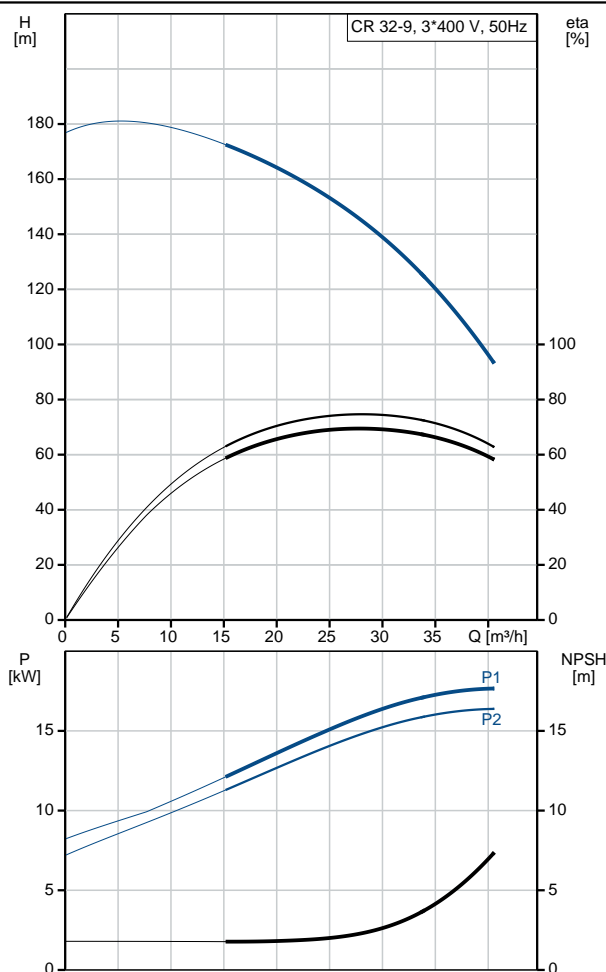
Base: Cast iron  
 EN 1563 EN-GJS-500-7  
 ASTM A536 80-55-06  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304  
 Bearing: SIC  
 Support bearing: Graflon

**Installation:**

Maximum ambient temperature: 60 °C  
 Maximum operating pressure: 30 bar

| Qty. | Description   |
|------|---|
|      | <p>Max pressure at stated temp: 30 bar / 90 °C<br/>30 bar / -20 °C</p> <p>Type of connection: DIN</p> <p>Size of inlet connection: DN 65</p> <p>Size of outlet connection: DN 65</p> <p>Pressure rating for pipe connection: PN 40</p> <p>Flange size for motor: FF300</p> <p><b>Electrical data:</b></p> <p>Motor standard: IEC</p> <p>Motor type: 160LB</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 18.5 kW</p> <p>Power (P2) required by pump: 18.5 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D/660-690Y V</p> <p>Rated current: 34,5-32,5/20,0-18,8 A</p> <p>Starting current: 830-980 %</p> <p>Cos phi - power factor: 0.89-0.85</p> <p>Rated speed: 2940-2950 rpm</p> <p>Efficiency: IE3 92,4%</p> <p>Motor efficiency at full load: 92.4-92.4 %</p> <p>Motor efficiency at 3/4 load: 93.2 %</p> <p>Motor efficiency at 1/2 load: 93.2 %</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: 85U17528</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\eta_{\text{me}}</math>: 0.70</p> <p>Net weight: 198 kg</p> <p>Gross weight: 237 kg</p> <p>Shipping volume: 0.805 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:                            | CR 32-9A-F-A-V-HQQV  |
| Product No:                              | 96122051   |
| EAN number:                              | 5700396680958  |
| <b>Technical:</b>                        |  |
| Pump speed on which pump data are based: | 2934 rpm   |
| Rated flow:                              | 30 m³/h  |
| Rated head:                              | 137.9 m  |
| Head max:                                | 175.5 m  |
| Stages:                                  | 9  |
| Impellers:                               | 9  |
| 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:                                   | B  |
| <b>Materials:</b>                        |  |
| Base:                                    | Cast iron<br>EN 1563 EN-GJS-500-7                              |
| Impeller:                                | ASTM A536 80-55-06<br>Stainless steel<br>EN 1.4301<br>AISI 304 |
| Material code:                           | A  |
| Code for rubber:                         | V  |
| Bearing:                                 | SIC  |
| Support bearing:                         | Graflon  |
| <b>Installation:</b>                     |  |
| Maximum ambient temperature:             | 60 °C  |
| Maximum operating pressure:              | 30 bar   |
| Max pressure at stated temp:             | 30 bar / 90 °C<br>30 bar / -20 °C                              |
| Type of connection:                      | DIN  |
| Size of inlet connection:                | DN 65  |
| Size of outlet connection:               | DN 65  |
| Pressure rating for pipe connection:     | PN 40  |
| Flange size for motor:                   | FF300  |
| Connect code:                            | F  |
| <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/m³  |
| <b>Electrical data:</b>                  |  |
| Motor standard:                          | IEC  |
| Motor type:                              | 160LB  |
| IE Efficiency class:                     | IE3  |
| Rated power - P2:                        | 18.5 kW  |
| Power (P2) required by pump:             | 18.5 kW  |
| Mains frequency:                         | 50 Hz  |
| Rated voltage:                           | 3 x 380-415D/660-690Y<br>V                                     |





Company name:

Created by:

Phone:

Date:

08/05/2019

| Description                                 | Value                 |
|---|-----------------------|
| Rated current:                              | 34,5-32,5/20,0-18,8 A |
| Starting current:                           | 830-980 %             |
| Cos phi - power factor:                     | 0.89-0.85             |
| Rated speed:                                | 2940-2950 rpm         |
| Efficiency:                                 | IE3 92,4%             |
| Motor efficiency at full load:              | 92.4-92.4 %           |
| Motor efficiency at 3/4 load:               | 93.2 %                |
| Motor efficiency at 1/2 load:               | 93.2 %                |
| Number of poles:                            | 2                     |
| Enclosure class (IEC 34-5):                 | 55 Dust/Jetting       |
| Insulation class (IEC 85):                  | F                     |
| Motor protec:                               | PTC                   |
| Motor No:                                   | 85U17528              |
| <b>Controls:</b>                            |                       |
| Frequency converter:                        | NONE                  |
| <b>Others:</b>                              |                       |
| Minimum efficiency index, MEI $\eta_{\%}$ : | 0.70                  |
| Net weight:                                 | 198 kg                |
| Gross weight:                               | 237 kg                |
| Shipping volume:                            | 0.805 m <sup>3</sup>  |
| Country of origin:                          | GB                    |
| Custom tariff no.:                          | 84137075              |