

|                 |       |                  |       |           |       |
|-----------------|-------|------------------|-------|-----------|-------|
| PROJECT:        | _____ | UNIT TAG:        | _____ | QUANTITY: | _____ |
| REPRESENTATIVE: | _____ | TYPE OF SERVICE: | _____ | DATE:     | _____ |
| ENGINEER:       | _____ | SUBMITTED BY:    | _____ | DATE:     | _____ |
| CONTRACTOR:     | _____ | APPROVED BY:     | _____ | DATE:     | _____ |
|                 | _____ | ORDER NO.:       | _____ | DATE:     | _____ |

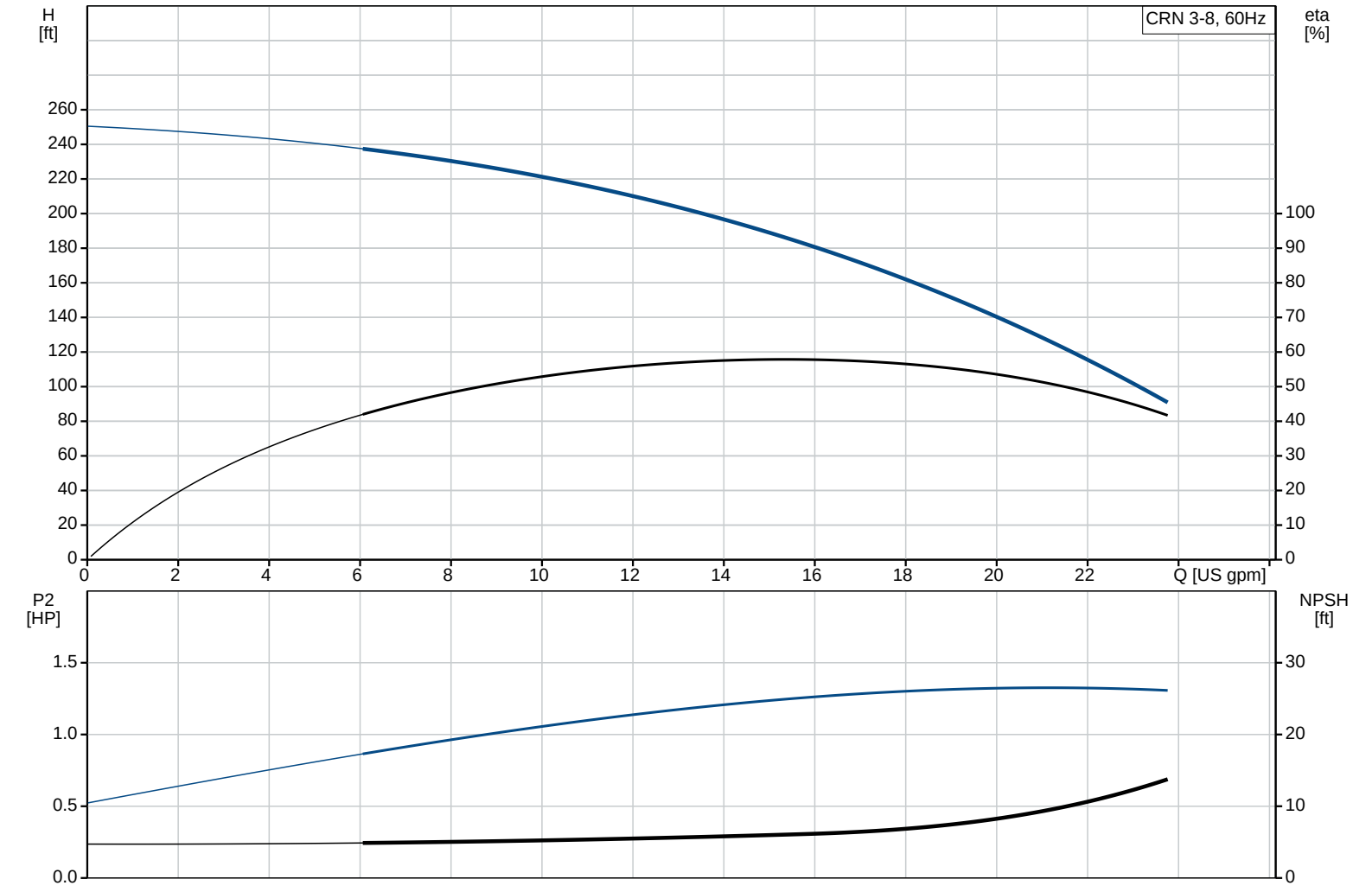


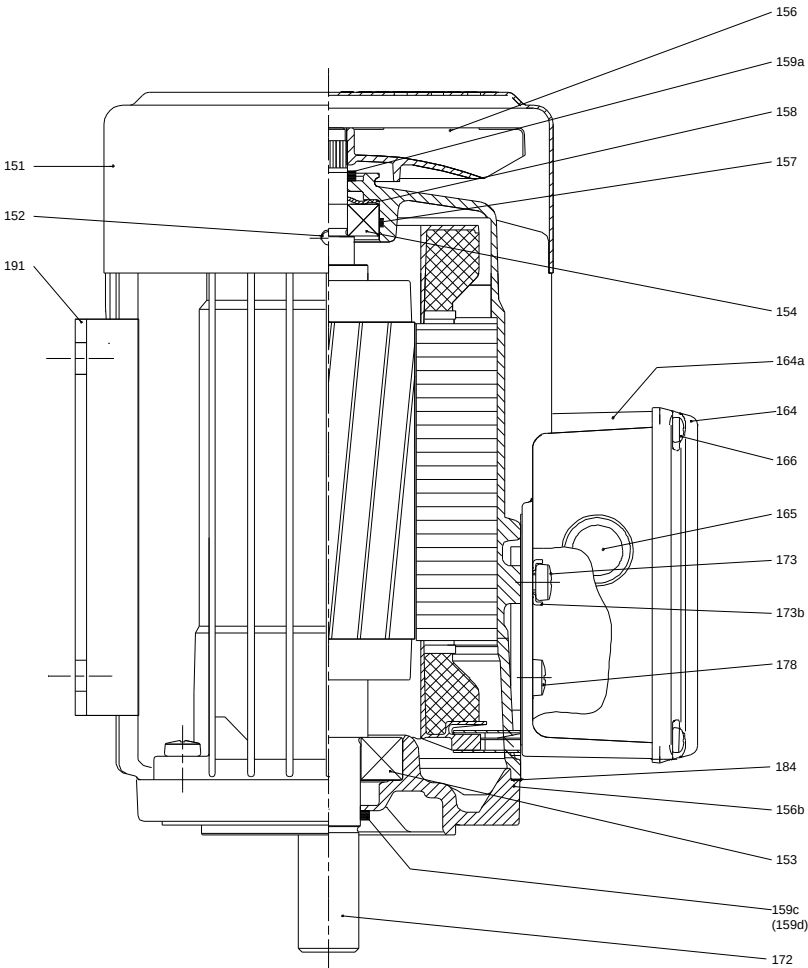
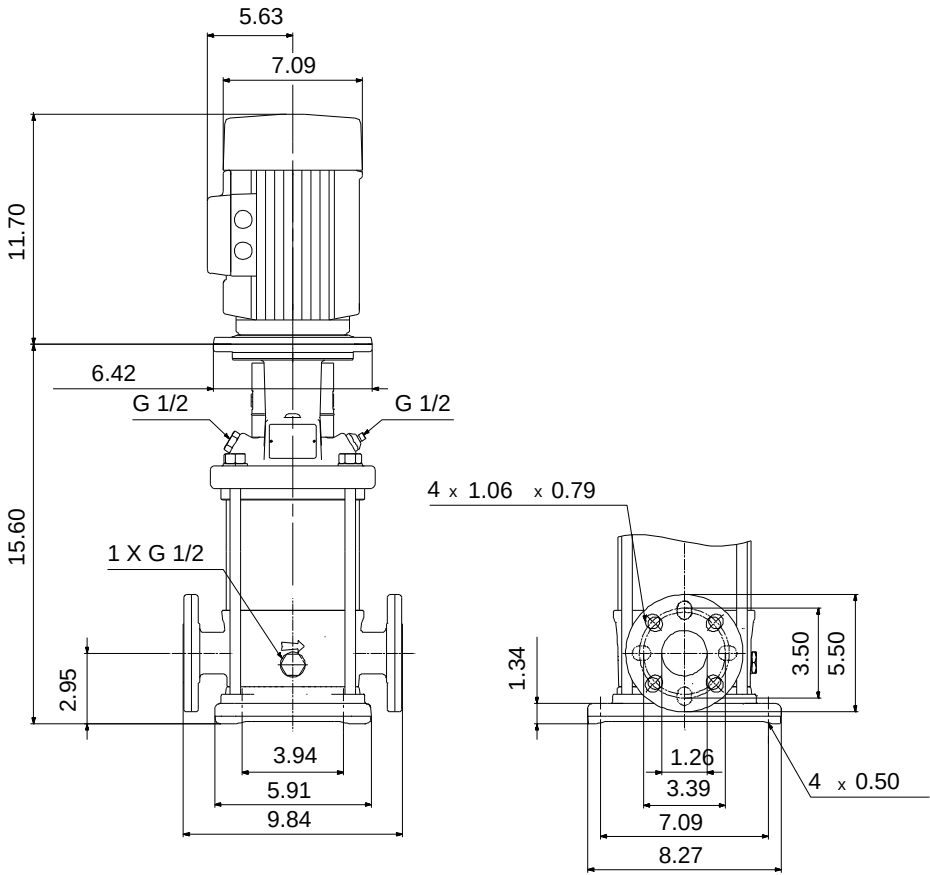
CRN 3-8 A-FGJ-A-V-HQQV

Vertical, multistage centrifugal pump with suction and discharge ports on same the level. Pump materials in contact with the liquid are in high-grade stainless steel (EN 1.4401) (AISI 316)

Product photo could vary from the actual product

| Conditions of Service   | Pump Data                                            | Motor Data                       |
|-------------------------|------------------------------------------------------|----------------------------------|
| Flow: _____             | Max pressure at stated temperature: 363 psi / 194 °F | Rated power - P2: 1.5 HP         |
| Head: _____             | Liquid temperature range: -4 .. 194 °F               | Rated voltage: 208-230YY/460Y V  |
| Efficiency: _____       | Maximum ambient temperature: 140 °F                  | Main frequency: 60 Hz            |
| Liquid: Water           | Approvals: CURUS                                     | Enclosure class: 55 Dust/Jetting |
| Temperature: 68 °F      | Shaft seal: HQQV                                     | Insulation class: F              |
| NPSH required: ft       | Product number: 96084022                             | Motor protection: NONE           |
| Viscosity: _____        |                                                      | Motor type: 80CA                 |
| Specific Gravity: 1.000 |                                                      | Motor_efficiency: 84.9 %         |



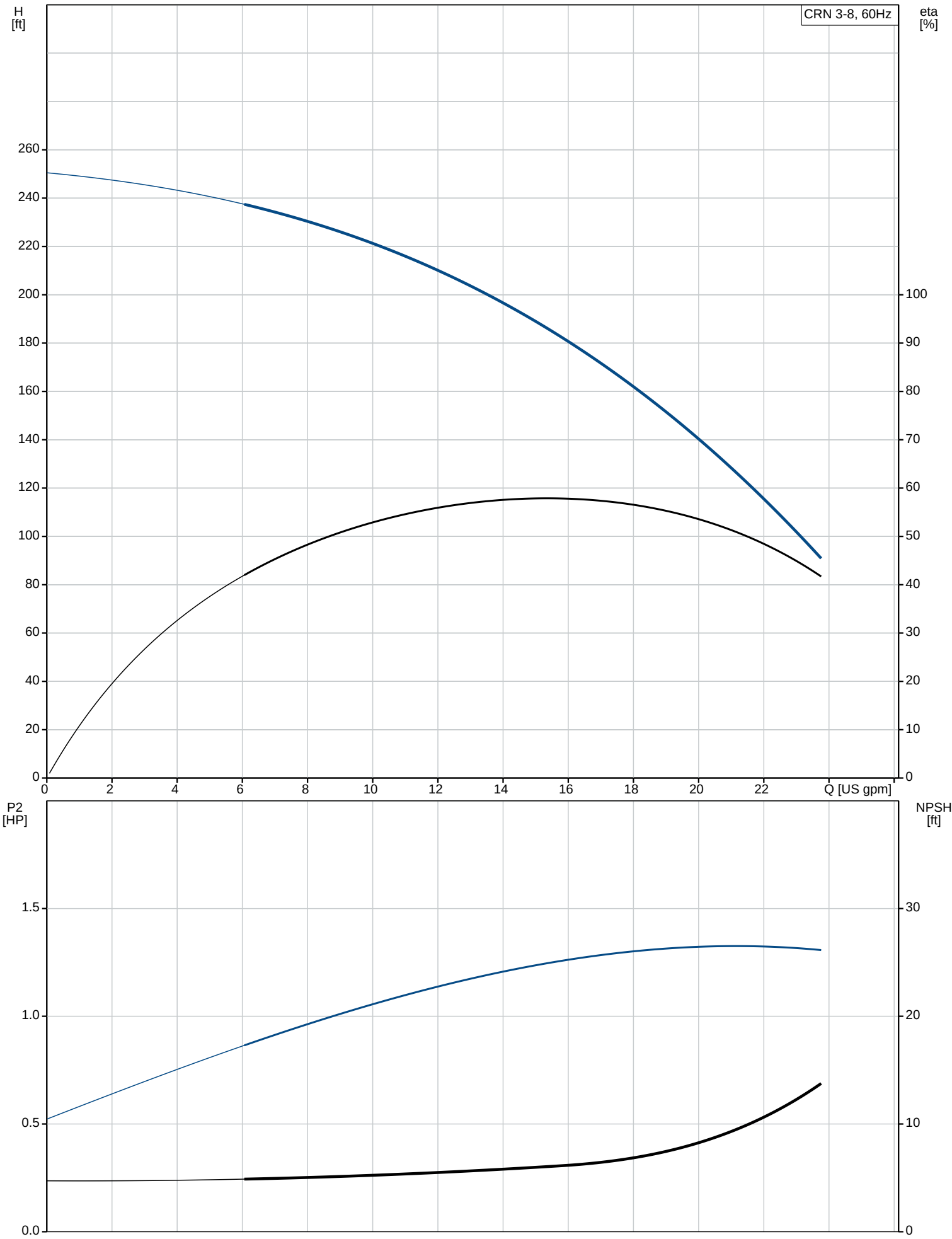


**Materials:**  
Base: Stainless steel  
EN 1.4408  
AISI 316  
Impeller: Stainless steel  
AISI 316  
EN 1.4401  
Material code: A  
Code for rubber: V

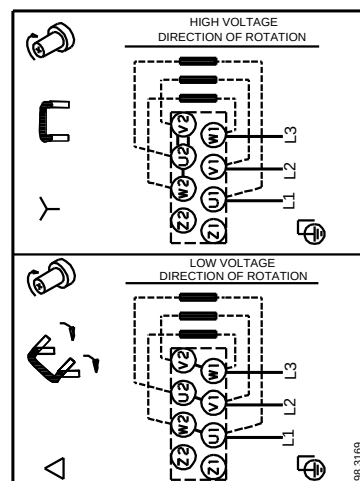
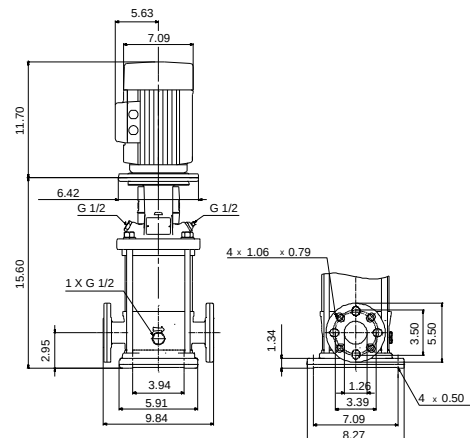
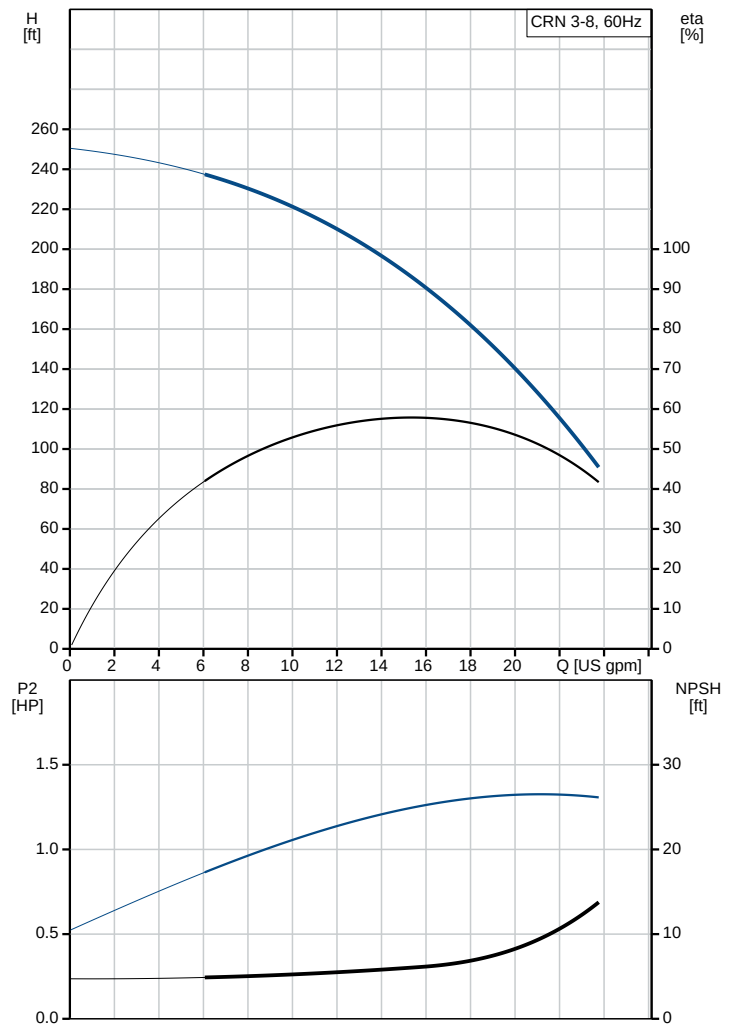
| Count | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | <p><b>CRN 3-8 A-FGJ-A-V-HQQV</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: <a href="#">96084022</a></p> <p>Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> <li>- Impellers, intermediate chambers and outer sleeve are made of</li> <li>- Pump head cover and base are made of</li> <li>- The shaft seal has assembly length according to EN 12756.</li> <li>- Power transmission is via cast iron split coupling.</li> </ul> <p>flanges/couplings.</p> <p>The motor is a 3-phase AC motor.</p> <p><b>Controls:</b></p> <p>Frequency converter: NONE</p> <p><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -4 .. 194 °F</p> <p>Selected liquid temperature: 68 °F</p> <p>Density: 62.29 lb/ft³</p> <p><b>Technical:</b></p> <p>Rated pump speed: 3466 rpm</p> <p>Rated flow: 15.4 US gpm</p> <p>Rated head: 185.7 ft</p> <p>Pump orientation: Vertical</p> <p>Shaft seal arrangement: Single</p> <p>Code for shaft seal: HQQV</p> <p>Approvals on nameplate: CURUS</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b></p> <p>Base: Stainless steel<br/>EN 1.4408<br/>AISI 316</p> <p>Impeller: Stainless steel<br/>EN 1.4401<br/>AISI 316</p> <p>Bearing: SIC</p> <p><b>Installation:</b></p> <p>Maximum ambient temperature: 140 °F</p> <p>Maximum operating pressure: 362.59 psi</p> <p>Max pressure at stated temperature: 363 psi / 194 °F<br/>363 psi / -4 °F</p> <p>Type of connection: DIN / ANSI / JIS</p> |

| Count | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | Size of inlet connection: DN 25/32<br>Size of suction port: 1 1/4 inch<br>Size of outlet connection: DN 25/32<br>Size of outlet port: 1 1/4 inch<br>Pressure rating for pipe connection: PN 25<br>Flange rating inlet: 300 lb<br>Flange size for motor: 56C<br><br><b>Electrical data:</b><br>Motor standard: NEMA<br>Motor type: 80CA<br>IE Efficiency class: NEMA Premium / IE3 60Hz<br>Rated power - P2: 1.5 HP<br>Power (P2) required by pump: 1.5 HP<br>Main frequency: 60 Hz<br>Rated voltage: 3 x 208-230YY/460Y V<br>Service factor: 1.15<br>Rated current: 4,45-4,3/2,16 A<br>Starting current: 720 %<br>Cos phi - power factor: 0.84-0.78<br>Rated speed: 3440-3480 rpm<br>IE efficiency: IE3 84,1%<br>Motor efficiency at full load: 84.9 %<br>Motor efficiency at 3/4 load: 81.0 %<br>Motor efficiency at 1/2 load: 78.5 %<br>Number of poles: 2<br>Enclosure class (IEC 34-5): 55 Dust/Jetting<br>Insulation class (IEC 85): F<br>Motor Number: 98976607<br><br><b>Others:</b><br>Net weight: 56.6 lb<br>Gross weight: 67.6 lb<br>Shipping volume: 4.94 ft³<br>Country of origin: US<br>Custom tariff no.: 8413.70.2040 |

**96084022 CRN 3-8 A-FGJ-A-V-HQQV 60 Hz**



| Description                           | Value                    |
|---------------------------------------|--------------------------|
| <b>General information:</b>           |                          |
| Product name:                         | CRN 3-8 A-FGJ-A-V-HQQV   |
| Product No.:                          | 96084022                 |
| EAN:                                  | 5700395181500            |
| <b>Technical:</b>                     |                          |
| Rated pump speed:                     | 3466 rpm                 |
| Rated flow:                           | 15.4 US gpm              |
| Rated head:                           | 185.7 ft                 |
| Head max:                             | 250.3 ft                 |
| Stages:                               | 8                        |
| Impellers:                            | 8                        |
| Number of reduced-diameter impellers: | 0                        |
| Low NPSH:                             | N                        |
| Pump orientation:                     | Vertical                 |
| Shaft seal arrangement:               | Single                   |
| Code for shaft seal:                  | HQQV                     |
| Approvals on nameplate:               | CURUS                    |
| Curve tolerance:                      | ISO9906:2012 3B          |
| Pump version:                         | A                        |
| Model:                                | A                        |
| Cooling:                              | TEFC                     |
| <b>Materials:</b>                     |                          |
| Base:                                 | Stainless steel          |
|                                       | EN 1.4408                |
|                                       | AISI 316                 |
| Impeller:                             | Stainless steel          |
|                                       | EN 1.4401                |
|                                       | AISI 316                 |
| Material code:                        | A                        |
| Code for rubber:                      | V                        |
| Bearing:                              | SIC                      |
| <b>Installation:</b>                  |                          |
| Maximum ambient temperature:          | 140 °F                   |
| Maximum operating pressure:           | 362.59 psi               |
| Max pressure at stated temperature:   | 363 psi / 194 °F         |
|                                       | 363 psi / -4 °F          |
| Type of connection:                   | DIN / ANSI / JIS         |
| Size of inlet connection:             | DN 25/32                 |
| Size of suction port:                 | 1 1/4 inch               |
| Size of outlet connection:            | DN 25/32                 |
| Size of outlet port:                  | 1 1/4 inch               |
| Pressure rating for pipe connection:  | PN 25                    |
| Flange rating inlet:                  | 300 lb                   |
| Flange size for motor:                | 56C                      |
| Connect code:                         | FGJ                      |
| <b>Liquid:</b>                        |                          |
| Pumped liquid:                        | Water                    |
| Liquid temperature range:             | -4 .. 194 °F             |
| Selected liquid temperature:          | 68 °F                    |
| Density:                              | 62.29 lb/ft <sup>3</sup> |
| <b>Electrical data:</b>               |                          |
| Motor standard:                       | NEMA                     |
| Motor type:                           | 80CA                     |
| IE Efficiency class:                  | NEMA Premium / IE3 60Hz  |
| Rated power - P2:                     | 1.5 HP                   |
| Power (P2) required by pump:          | 1.5 HP                   |
| Main frequency:                       | 60 Hz                    |
| Rated voltage:                        | 3 x 208-230Y/460Y V      |
| Service factor:                       | 1.15                     |
| Rated current:                        | 4,45-4,3/2,16 A          |
| Starting current:                     | 720 %                    |
| Load current:                         | 5,1-4,95/2,48 A          |
| Cos phi - power factor:               | 0.84-0.78                |
| Rated speed:                          | 3440-3480 rpm            |
| IE efficiency:                        | IE3 84,1%                |
| Motor efficiency at full load:        | 84.9 %                   |



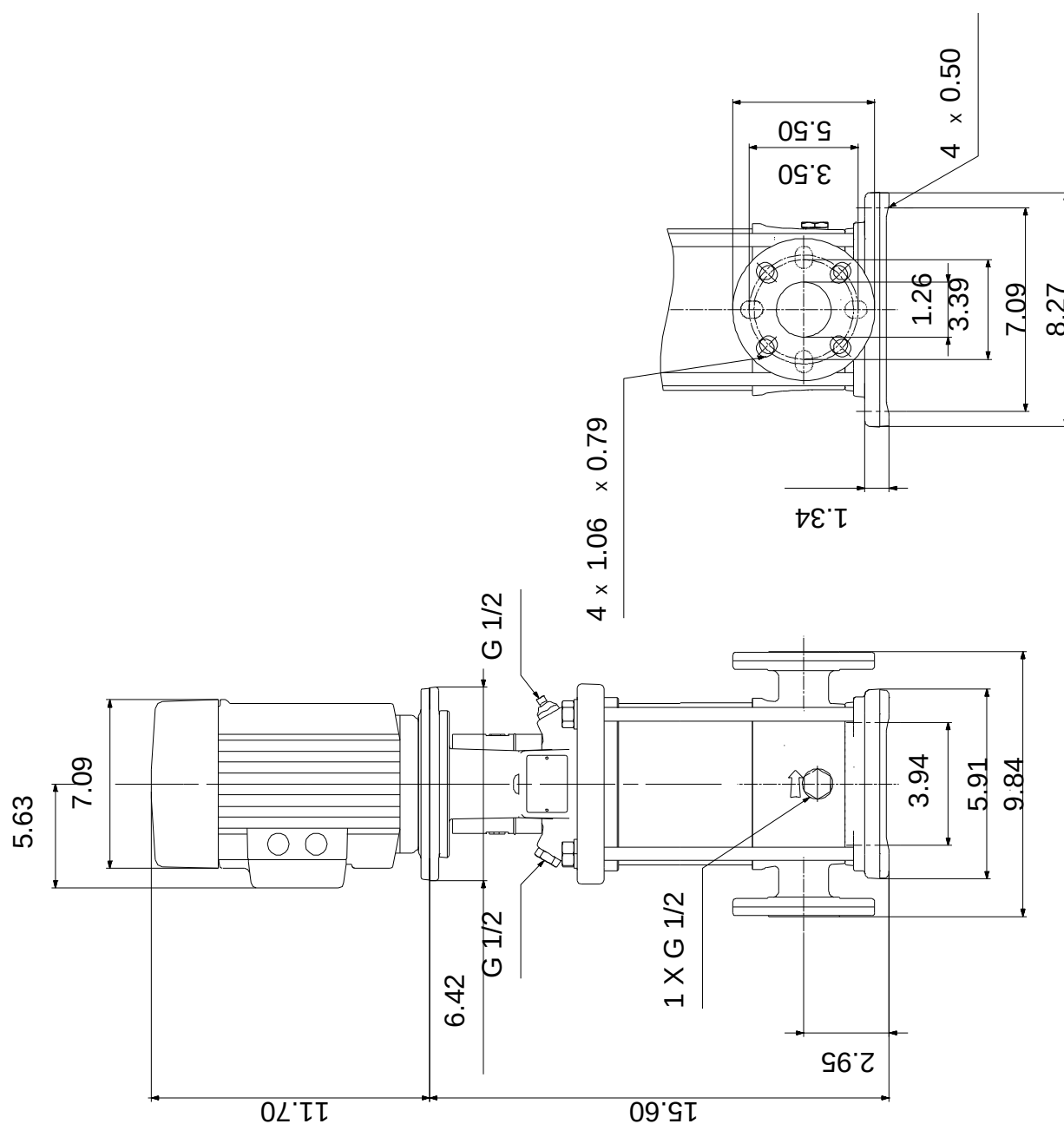


Company name:  
Created by:  
Phone:

Date: 5/21/2019

| Description                   | Value           |
|-------------------------------|-----------------|
| Motor efficiency at 3/4 load: | 81.0 %          |
| Motor efficiency at 1/2 load: | 78.5 %          |
| Number of poles:              | 2               |
| Enclosure class (IEC 34-5):   | 55 Dust/Jetting |
| Insulation class (IEC 85):    | F               |
| Motor protection:             | NONE            |
| Motor Number:                 | 98976607        |
| <b>Controls:</b>              |                 |
| Frequency converter:          | NONE            |
| <b>Others:</b>                |                 |
| Net weight:                   | 56.6 lb         |
| Gross weight:                 | 67.6 lb         |
| Shipping volume:              | 4.94 ft³        |
| Country of origin:            | US              |
| Custom tariff no.:            | 8413.70.2040    |

## 96084022 CRN 3-8 A-FGJ-A-V-HQQV 60 Hz





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