

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

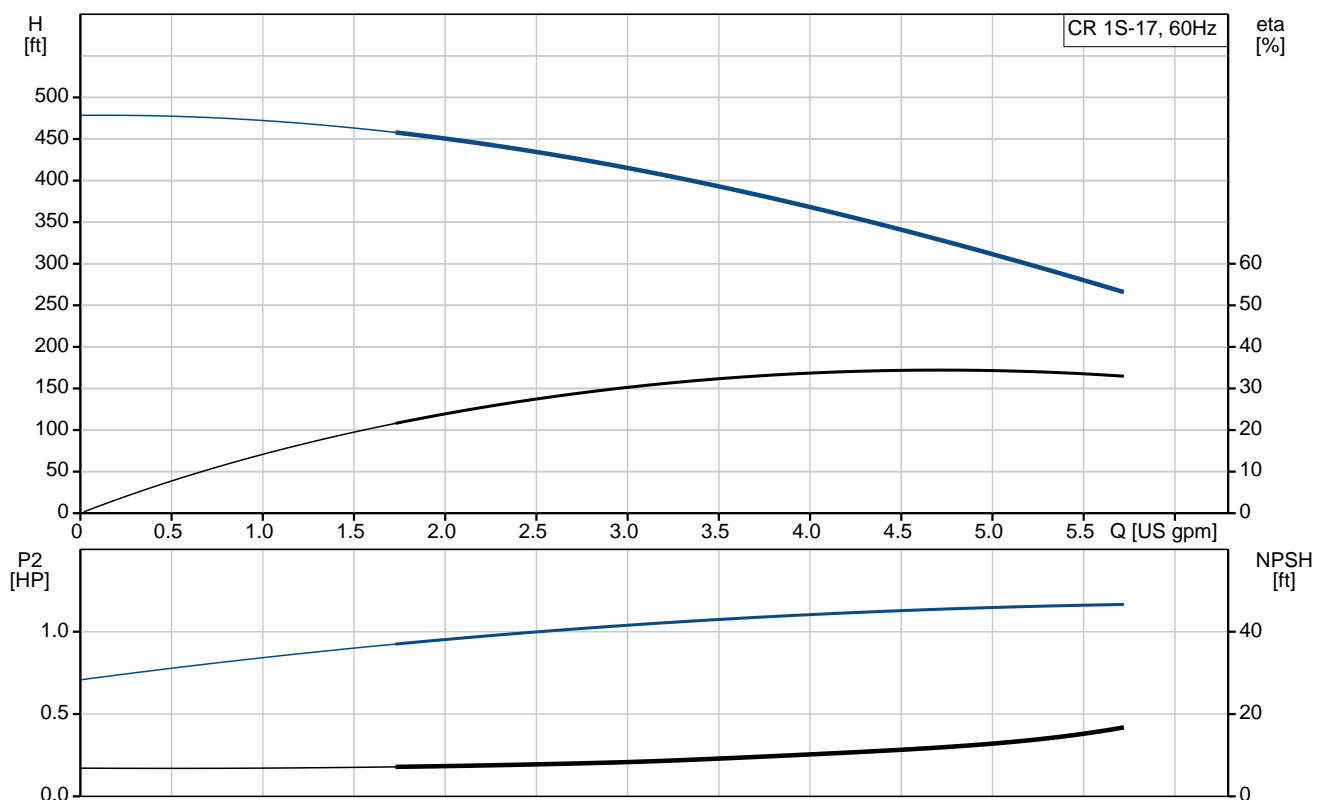


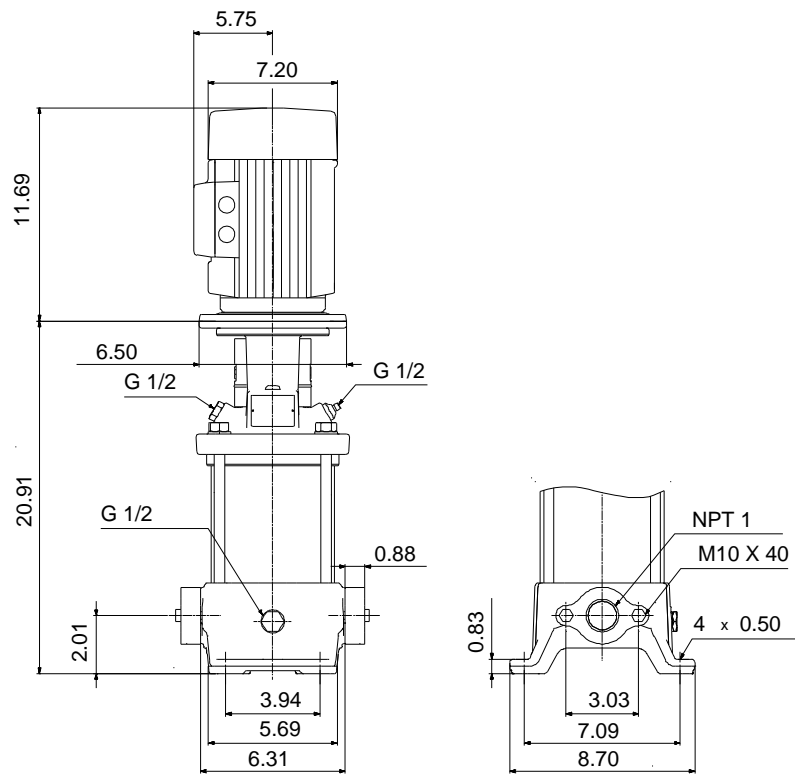
### CR 1S-17 A-B-A-V-HQQV

Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)(AISI 304)

Product photo could vary from the actual product


| Conditions of Service   | Pump Data  | Motor Data                   |
|-------------------------|--|------------------------------|
| Flow: _____             | Max pressure at stated temperature: 232 psi / 194 °F | Rated power - P2: 1.5 HP     |
| Head: _____             | Liquid temperature range: -4 .. 194 °F               | Rated voltage: 115/208-230 V |
| Efficiency: _____       | Maximum ambient temperature: 104 °F                  | Main frequency: 60 Hz        |
| Liquid: Water           | Approvals: CURUS                                     | Insulation class: B          |
| Temperature: 68 °F      | Shaft seal: HQQV                                     | Motor protection: NONE       |
| NPSH required: ft       | Product number: 96080971                             | Motor type: Baldor           |
| Viscosity: _____        |  |                              |
| Specific Gravity: 1.000 |  |                              |





**Materials:**

|                  |   |
|------------------|---|
| Base:            | Cast iron<br>EN 1561 EN-GJL-200<br>ASTM A48-25B |
| Impeller:        | Stainless steel<br>AISI 304<br>EN 1.4301        |
| Material code:   | A   |
| Code for rubber: | V   |

| Count | Description  |
|-------|--|
| 1     | <p><b>CR 1S-17 A-B-A-V-HQQV</b></p>  <p>Product No.: <a href="#">96080971</a><br/>           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 and intermediate chambers 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>The motor is a 1-phase AC motor.</p> <p>Controls:<br/>           Frequency converter: NONE</p> <p><b>Liquid:</b><br/>           Pumped liquid: Water<br/>           Liquid temperature range: -4 .. 194 °F<br/>           Liquid temperature during operation: 68 °F<br/>           Density: 62.29 lb/ft³</p> <p><b>Technical:</b><br/>           Rated pump speed: 3450 rpm<br/>           Rated flow: 4.84 US gpm<br/>           Rated head: 317.9 ft<br/>           Pump orientation: Vertical<br/>           Shaft seal arrangement: Single<br/>           Code for shaft seal: HQQV<br/>           Approvals on nameplate: CURUS<br/>           Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b><br/>           Base: Cast iron<br/>                     EN 1561 EN-GJL-200<br/>                     ASTM A48-25B<br/>           Impeller: Stainless steel<br/>                     EN 1.4301<br/>                     AISI 304<br/>           Bearing: SIC</p> <p><b>Installation:</b><br/>           Maximum ambient temperature: 104 °F<br/>           Maximum operating pressure: 232 psi<br/>           Max pressure at stated temperature: 232 psi / 194 °F<br/>             232 psi / -4 °F<br/>           Type of connection: Oval / NPT(F)</p> |



Company name:

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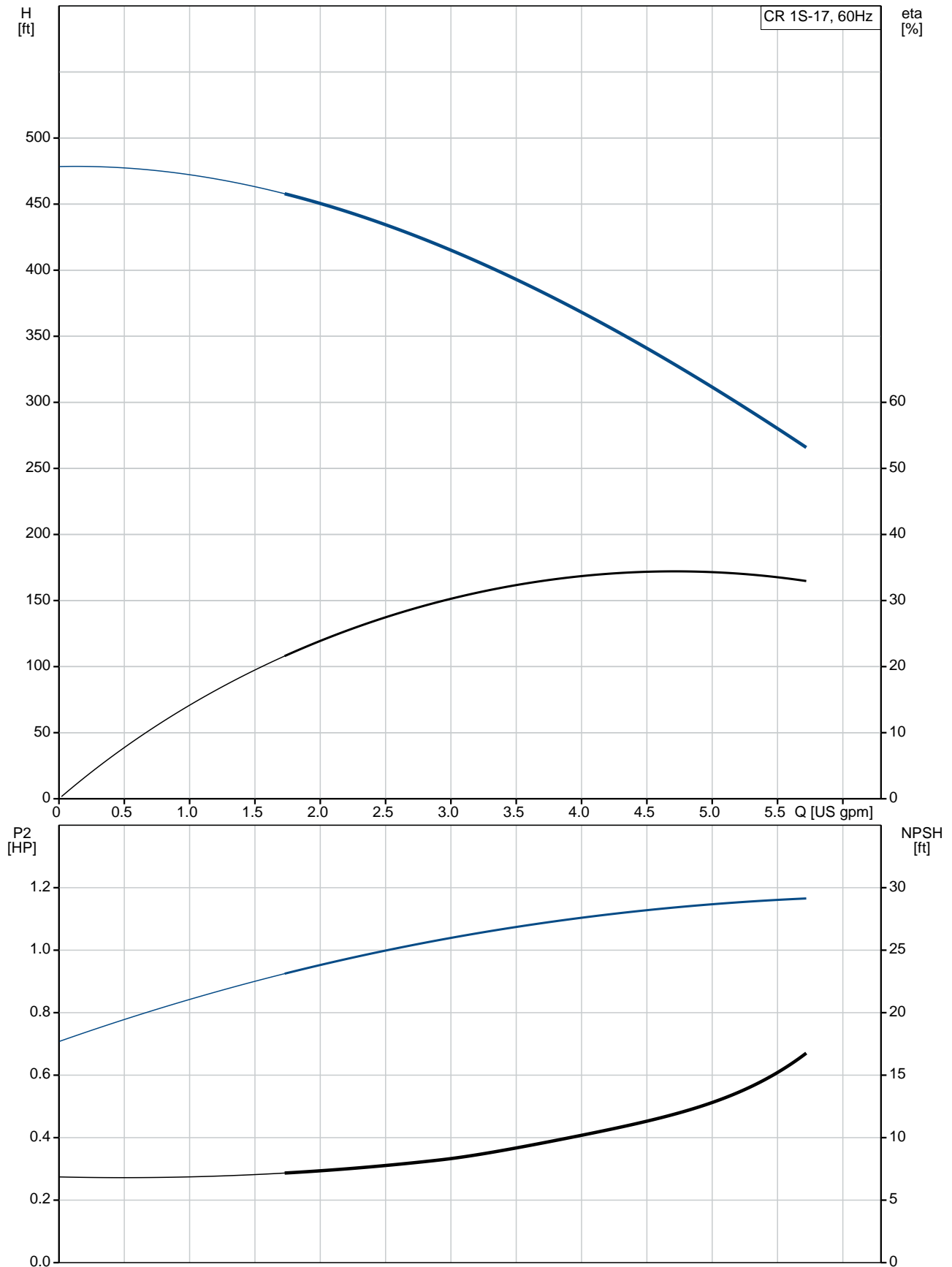
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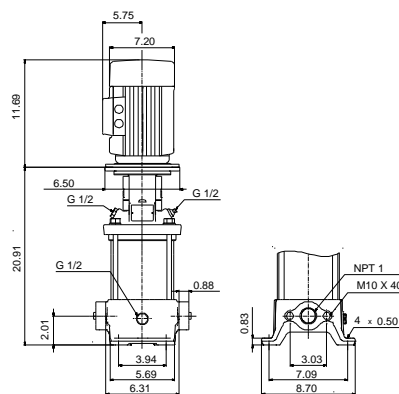
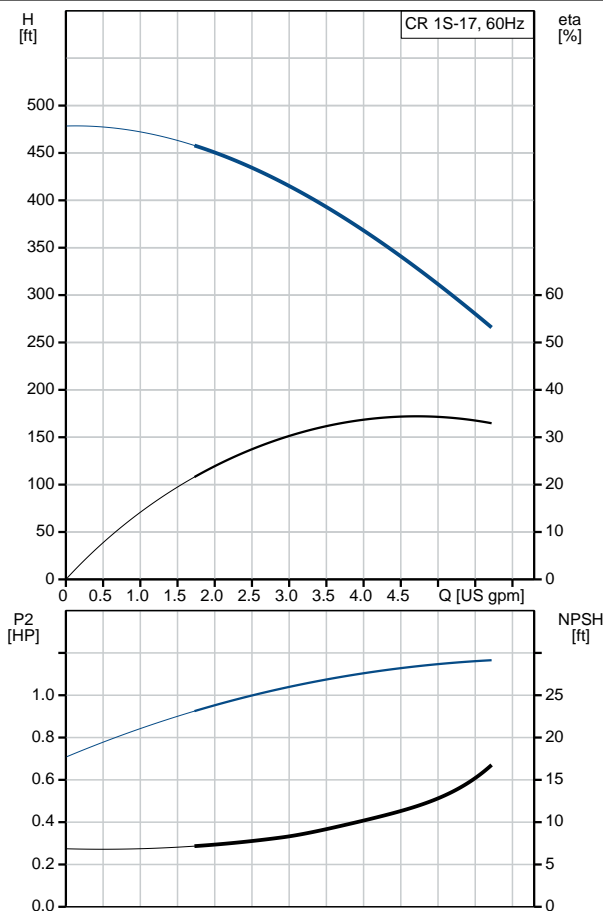
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| Count | Description   |
|-------|---|
|       | Size of suction port: 1 inch<br>Size of outlet port: 1 inch<br>Pressure rating for pipe connection: PN 16<br>Flange size for motor: 56C<br><br><b>Electrical data:</b><br>Motor standard: NEMA<br>Motor type: Baldor<br>Rated power - P2: 1.5 HP<br>Power (P2) required by pump: 1.5 HP<br>Main frequency: 60 Hz<br>Rated voltage: 1 x 115/208-230 V<br>Service factor: 1.30<br>Rated current: 17/9,50-8,60 A<br>Rated speed: 3450 rpm<br>Number of poles: 2<br>Insulation class (IEC 85): B<br><br><b>Others:</b><br>Net weight: 84.7 lb<br>Gross weight: 99.2 lb<br>Shipping volume: 8.26 ft <sup>3</sup><br>Country of origin: US<br>Custom tariff no.: 8413.70.2040 |

## 96080971 CR 1S-17 A-B-A-V-HQQV 60 Hz



| Description                           | Value                 |
|---------------------------------------|-----------------------|
| <b>General information:</b>           |                       |
| Product name:                         | CR 1S-17 A-B-A-V-HQQV |
| Product No.:                          | 96080971              |
| EAN:                                  | 5700395154290         |
| <b>Technical:</b>                     |                       |
| Rated pump speed:                     | 3450 rpm              |
| Rated flow:                           | 4.84 US gpm           |
| Rated head:                           | 317.9 ft              |
| Head max:                             | 477.7 ft              |
| Stages:                               | 17                    |
| Impellers:                            | 17                    |
| Number of reduced-diameter impellers: | 0                     |
| Low NPSH:                             | No                    |
| 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:                                 | Cast iron             |
|                                       | EN 1561 EN-GJL-200    |
|                                       | ASTM A48-25B          |
| Impeller:                             | Stainless steel       |
|                                       | EN 1.4301             |
|                                       | AISI 304              |
| Material code:                        | A                     |
| Code for rubber:                      | V                     |
| Bearing:                              | SIC                   |
| <b>Installation:</b>                  |                       |
| Maximum ambient temperature:          | 104 °F                |
| Maximum operating pressure:           | 232 psi               |
| Max pressure at stated temperature:   | 232 psi / 194 °F      |
|                                       | 232 psi / -4 °F       |
| Type of connection:                   | Oval / NPT(F)         |
| Size of suction port:                 | 1 inch                |
| Size of outlet port:                  | 1 inch                |
| Pressure rating for pipe connection:  | PN 16                 |
| Flange size for motor:                | 56C                   |
| Connect code:                         | B                     |
| <b>Liquid:</b>                        |                       |
| Pumped liquid:                        | Water                 |
| Liquid temperature range:             | -4 .. 194 °F          |
| Liquid temperature during operation:  | 68 °F                 |
| Density:                              | 62.29 lb/ft³          |
| <b>Electrical data:</b>               |                       |
| Motor standard:                       | NEMA                  |
| Motor type:                           | Baldor                |
| Rated power - P2:                     | 1.5 HP                |
| Power (P2) required by pump:          | 1.5 HP                |
| Main frequency:                       | 60 Hz                 |
| Rated voltage:                        | 1 x 115/208-230 V     |
| Service factor:                       | 1.30                  |
| Rated current:                        | 17/9,50-8,60 A        |
| Load current:                         | 20,4/11,3-10,2 A      |





Company name:

Created by:

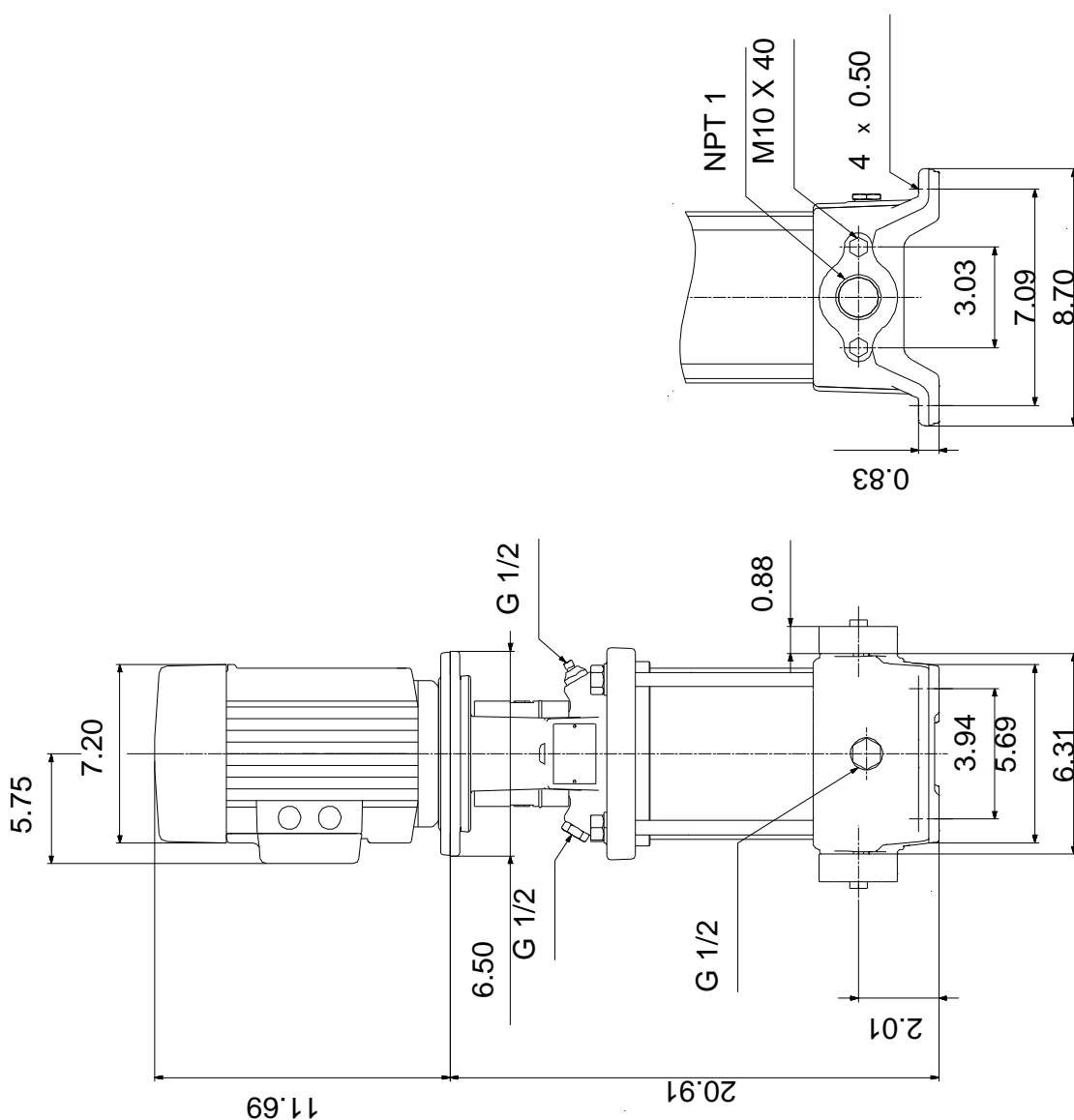
Phone:

Date:

12/28/2018

| Description                | Value        |
|----------------------------|--------------|
| Rated speed:               | 3450 rpm     |
| Number of poles:           | 2            |
| Insulation class (IEC 85): | B            |
| Motor protection:          | NONE         |
| Motor Number:              | 84Z04007     |
| <b>Controls:</b>           |              |
| Frequency converter:       | NONE         |
| <b>Others:</b>             |              |
| Net weight:                | 84.7 lb      |
| Gross weight:              | 99.2 lb      |
| Shipping volume:           | 8.26 ft³     |
| Country of origin:         | US           |
| Custom tariff no.:         | 8413.70.2040 |

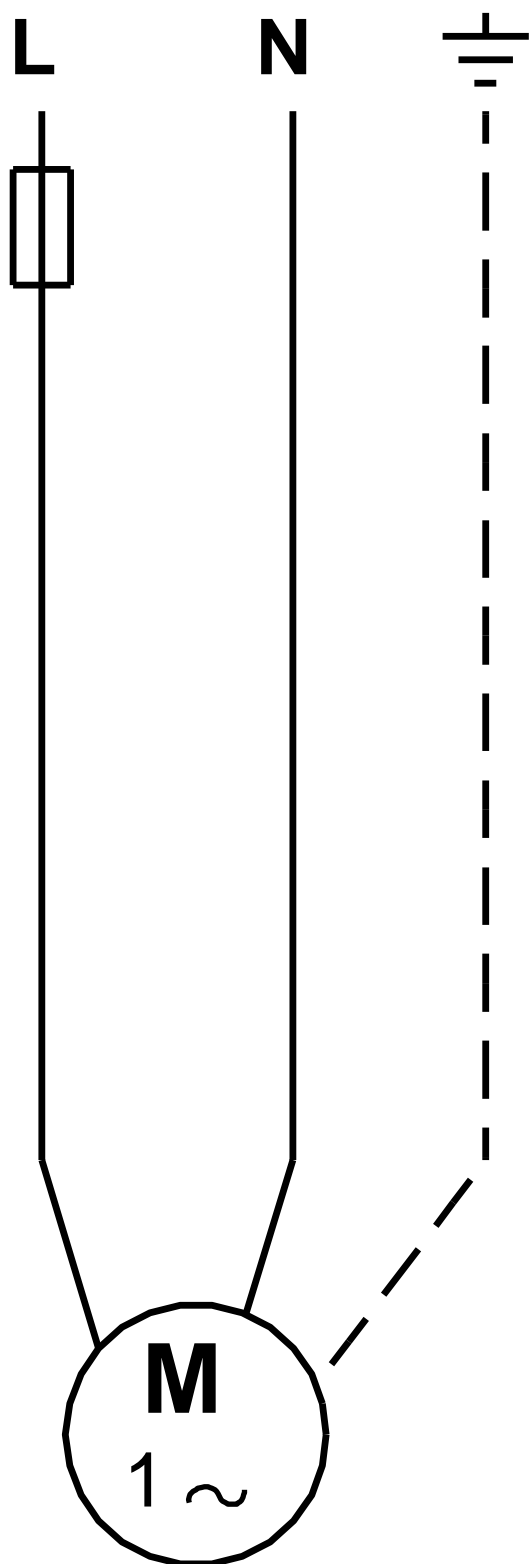
## 96080971 CR 1S-17 A-B-A-V-HQQV 60 Hz



Note! All units are in [mm] unless otherwise stated.  
Disclaimer: This simplified dimensional drawing does not show all details.



**96080971 CR 1S-17 A-B-A-V-HQQV 60 Hz**



All units are [mm] unless otherwise presented.