

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

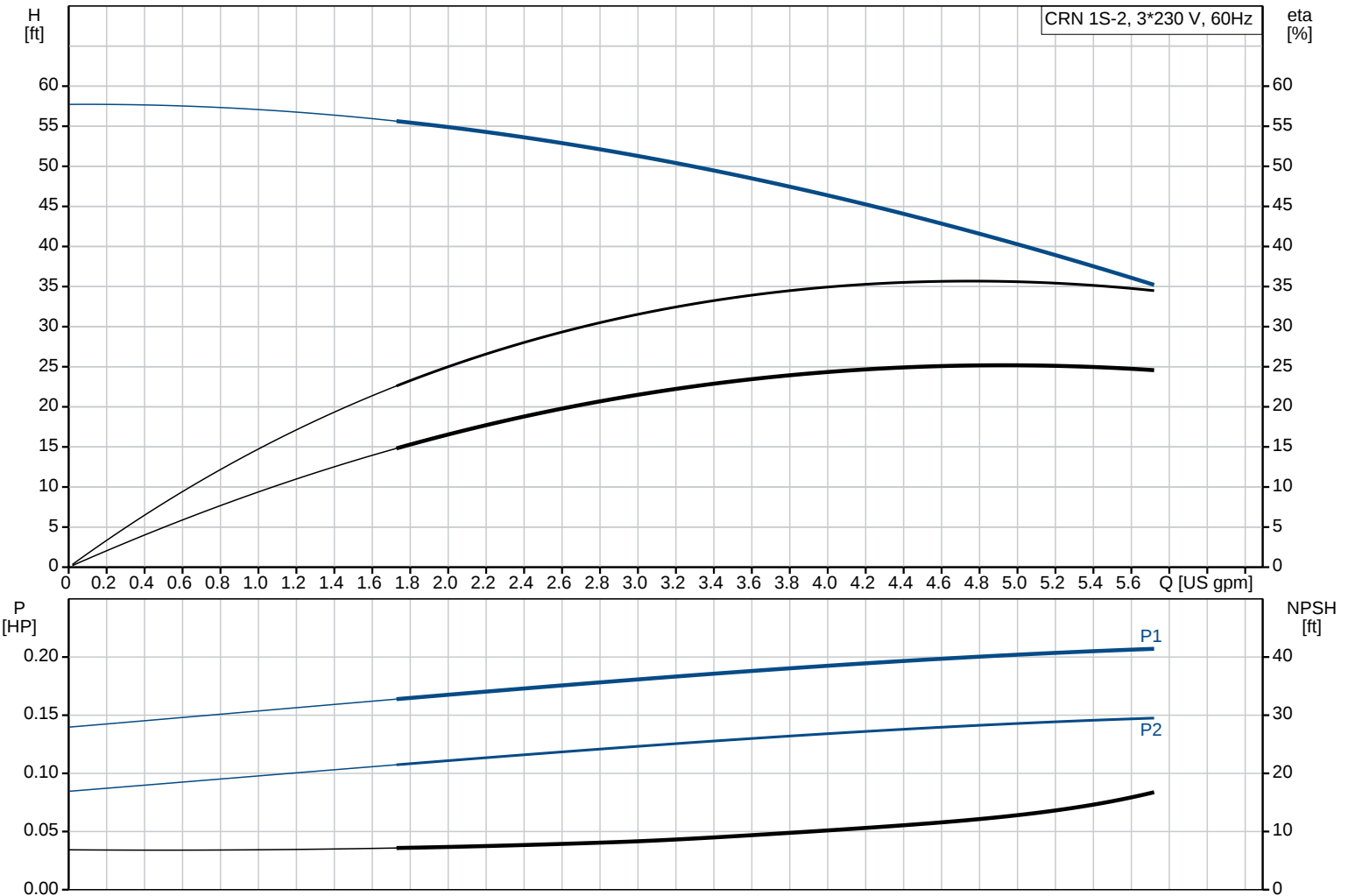


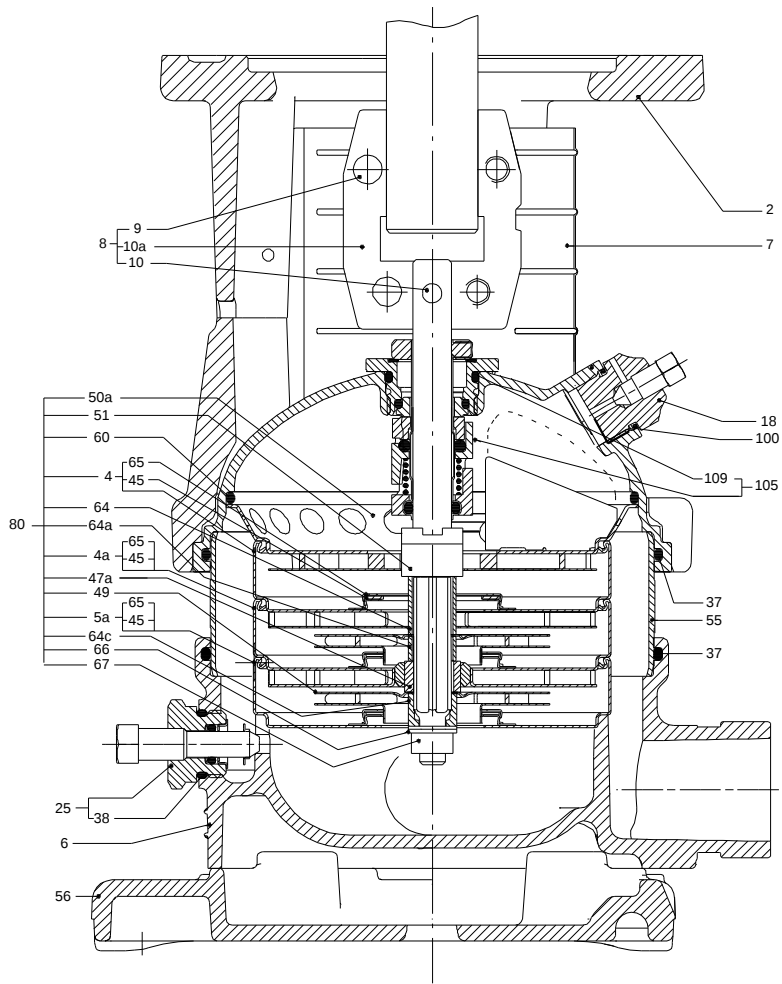
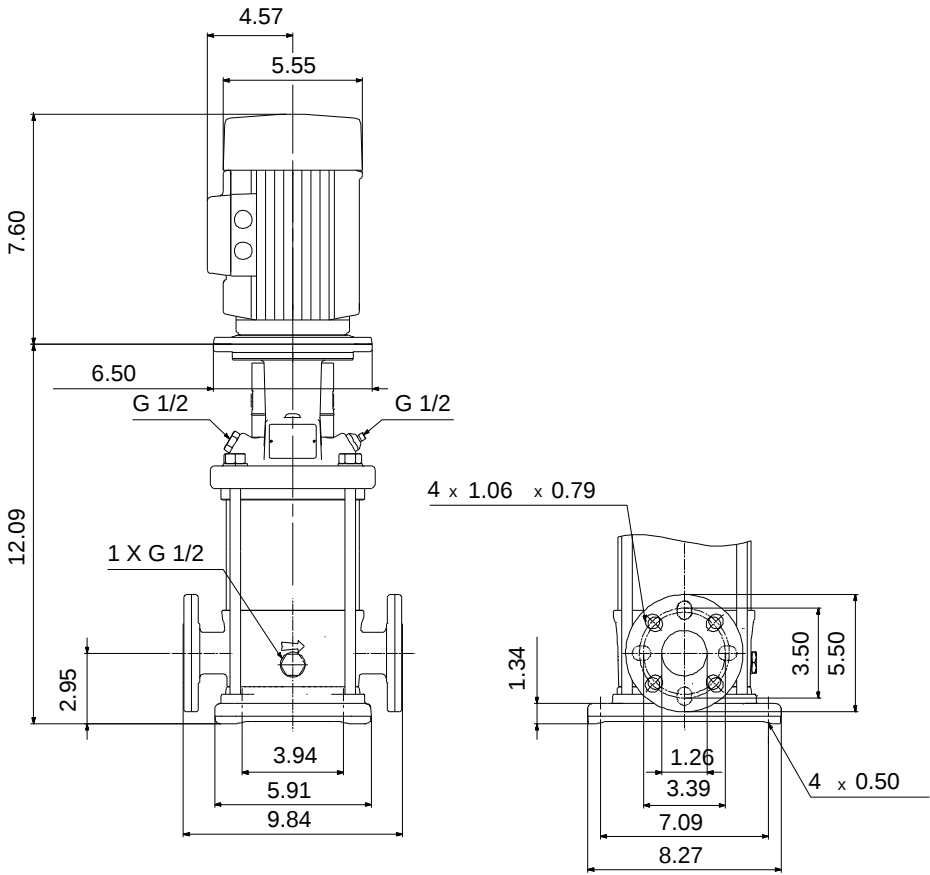
CRN 1S-2 A-FGJ-A-E-HQQE

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 / 250 °F | Rated power - P2: 0.33 HP        |
| Head: _____             | Liquid temperature range: -4 .. 248 °F               | Rated voltage: 208-230YY/460Y V  |
| Efficiency: _____       | Maximum ambient temperature: 104 °F                  | Main frequency: 60 Hz            |
| Liquid: Water           | Approvals: CURUS,NSF61                               | Enclosure class: 55 Dust/Jetting |
| Temperature: 68 °F      | Shaft seal: HQQE                                     | Insulation class: F              |
| NPSH required: ft       | Product number: 96081781                             | Motor protection: NONE           |
| Viscosity: _____        |                                                      | Motor type: 71AA                 |
| Specific Gravity: 1.000 |                                                      | Motor_efficiency: 78.5 %         |





**Materials:**

- Base: Stainless steel  
EN 1.4408  
AISI 316
- Impeller: Stainless steel  
AISI 316  
EN 1.4401
- Material code: A
- Code for rubber: E

| Position | Count | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | 1     | <p><b>CRN 1S-2 A-FGJ-A-E-HQQE</b></p>  <p>Product No.: <a href="#">96081781</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, 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><br/>Frequency converter: NONE</p> <p><b>Liquid:</b><br/>Pumped liquid: Water<br/>Liquid temperature range: -4 .. 248 °F<br/>Liquid temperature during operation: 68 °F<br/>Density: 62.29 lb/ft³</p> <p><b>Technical:</b><br/>Rated flow: 4.84 US gpm<br/>Rated head: 37.73 ft<br/>Pump orientation: Vertical<br/>Shaft seal arrangement: Single<br/>Code for shaft seal: HQQE<br/>Approvals on nameplate: CURUS,NSF61<br/>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b><br/>Base: Stainless steel<br/>EN 1.4408<br/>AISI 316<br/>Impeller: Stainless steel<br/>EN 1.4401<br/>AISI 316<br/>Bearing: SIC</p> <p><b>Installation:</b><br/>Maximum ambient temperature: 104 °F<br/>Maximum operating pressure: 363 psi<br/>Max pressure at stated temperature: 363 psi / 250 °F<br/>363 psi / -4 °F<br/>Type of connection: DIN / ANSI / JIS<br/>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</p> |

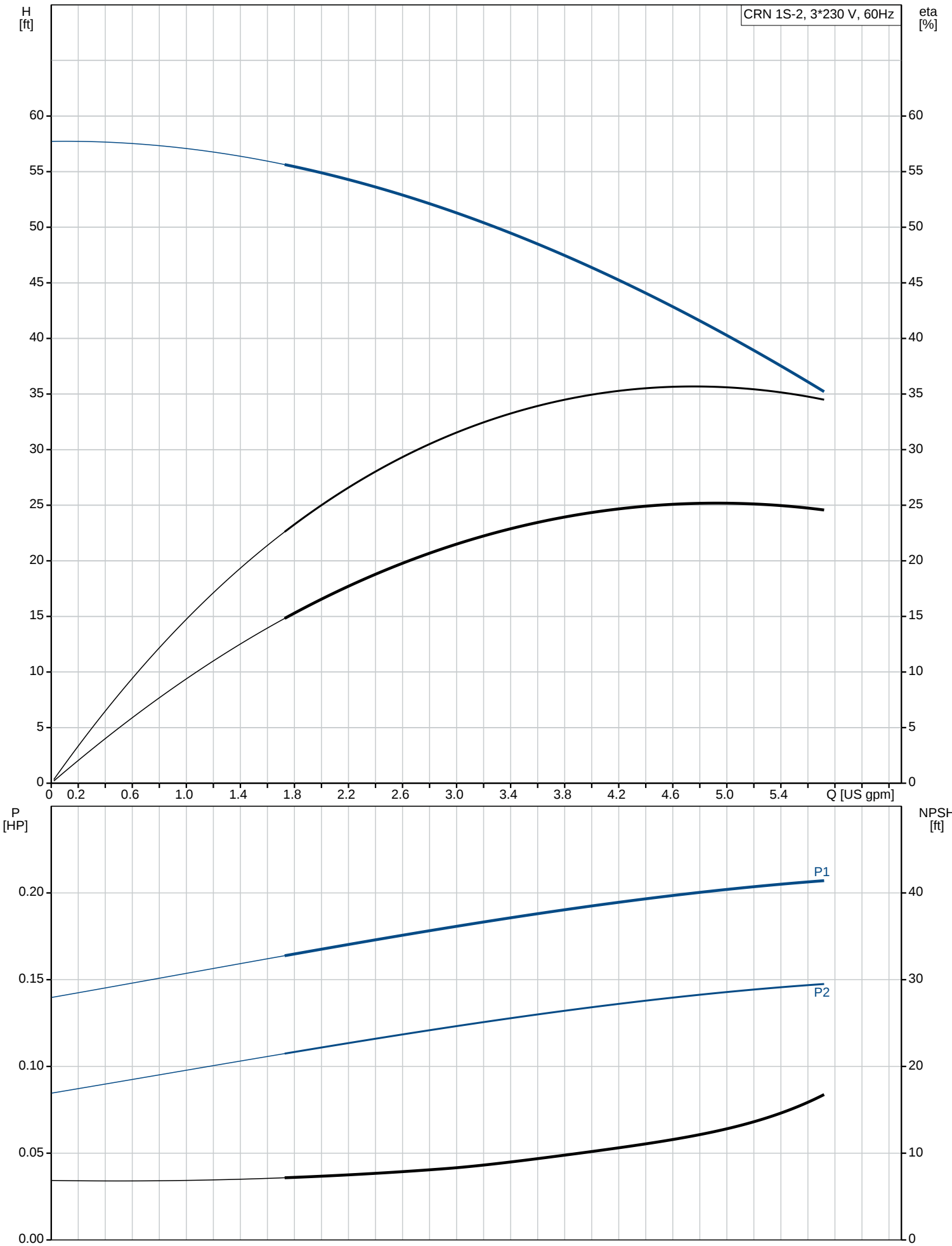


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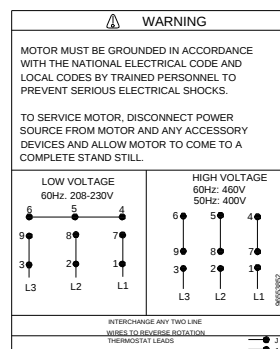
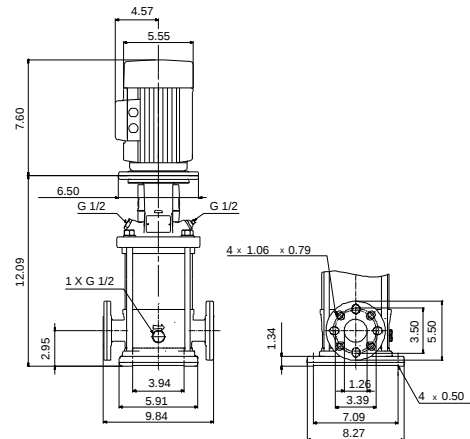
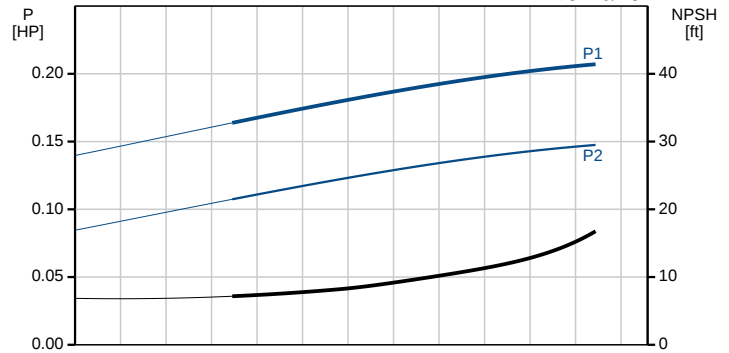
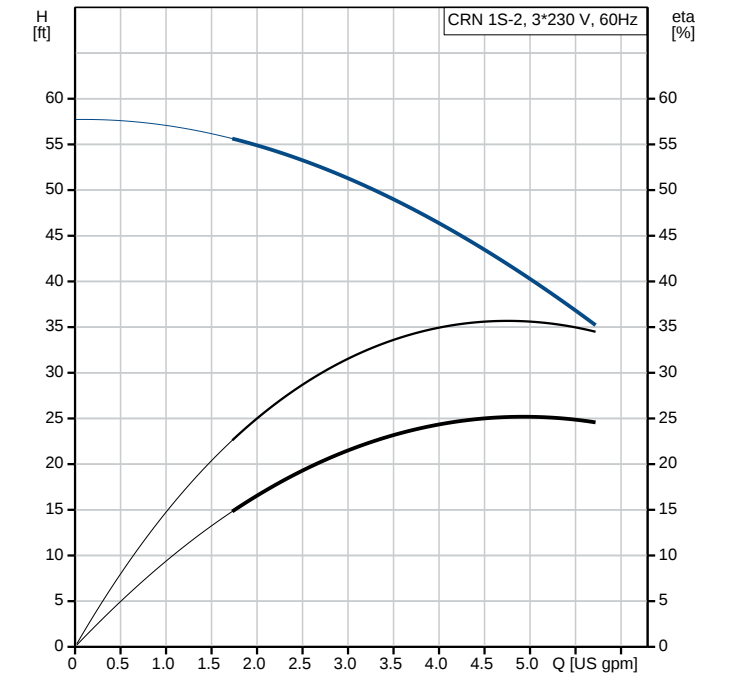
Date: 10/17/2018

| Position | Count | Description                                 |
|----------|-------|---------------------------------------------|
|          |       | Flange size for motor: 56C                  |
|          |       | <b>Electrical data:</b>                     |
|          |       | Motor standard: NEMA                        |
|          |       | Motor type: 71AA                            |
|          |       | Rated power - P2: 0.33 HP                   |
|          |       | Power (P2) required by pump: 0.33 HP        |
|          |       | Main frequency: 60 Hz                       |
|          |       | Rated voltage: 3 x 208-230YY/460Y V         |
|          |       | Service factor: 1.35                        |
|          |       | Rated current: 1,12-1,10/0,55 A             |
|          |       | Starting current: 630-700 %                 |
|          |       | Cos phi - power factor: 0.81-0.75           |
|          |       | Rated speed: 3450-3480 rpm                  |
|          |       | Motor efficiency at full load: 78.5 %       |
|          |       | Number of poles: 2                          |
|          |       | Enclosure class (IEC 34-5): 55 Dust/Jetting |
|          |       | Insulation class (IEC 85): F                |
|          |       | <b>Others:</b>                              |
|          |       | Net weight: 50.2 lb                         |
|          |       | Gross weight: 61.2 lb                       |
|          |       | Shipping volume: 4.94 ft³                   |
|          |       | Country of origin: US                       |
|          |       | Custom tariff no.: 8413.70.2040             |

**96081781 CRN 1S-2 A-FGJ-A-E-HQQE 60 Hz**



| Description                           | Value                   |
|---------------------------------------|-------------------------|
| <b>General information:</b>           |                         |
| Product name:                         | CRN 1S-2 A-FGJ-A-E-HQQE |
| Product No.:                          | 96081781                |
| EAN:                                  | 5700395162356           |
| <b>Technical:</b>                     |                         |
| Rated flow:                           | 4.84 US gpm             |
| Rated head:                           | 37.73 ft                |
| Stages:                               | 3                       |
| Impellers:                            | 2                       |
| Number of reduced-diameter impellers: | 0                       |
| Low NPSH:                             | N                       |
| Pump orientation:                     | Vertical                |
| Shaft seal arrangement:               | Single                  |
| Code for shaft seal:                  | HQQE                    |
| Approvals on nameplate:               | CURUS, NSF61            |
| 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:                      | E                       |
| Bearing:                              | SIC                     |
| <b>Installation:</b>                  |                         |
| Maximum ambient temperature:          | 104 °F                  |
| Maximum operating pressure:           | 363 psi                 |
| Max pressure at stated temperature:   | 363 psi / 250 °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 .. 248 °F            |
| Liquid temperature during operation:  | 68 °F                   |
| Density:                              | 62.29 lb/ft³            |
| <b>Electrical data:</b>               |                         |
| Motor standard:                       | NEMA                    |
| Motor type:                           | 71AA                    |
| Rated power - P2:                     | 0.33 HP                 |
| Power (P2) required by pump:          | 0.33 HP                 |
| Main frequency:                       | 60 Hz                   |
| Rated voltage:                        | 3 x 208-230YY/460Y V    |
| Service factor:                       | 1.35                    |
| Rated current:                        | 1,12-1,10/0,55 A        |
| Starting current:                     | 630-700 %               |
| Load current:                         | 1,5-1,45/0,75 A         |
| Cos phi - power factor:               | 0.81-0.75               |
| Rated speed:                          | 3450-3480 rpm           |
| Motor efficiency at full load:        | 78.5 %                  |
| Number of poles:                      | 2                       |
| Enclosure class (IEC 34-5):           | 55 Dust/Jetting         |
| Insulation class (IEC 85):            | F                       |
| Motor protection:                     | NONE                    |





Company name:

Created by:

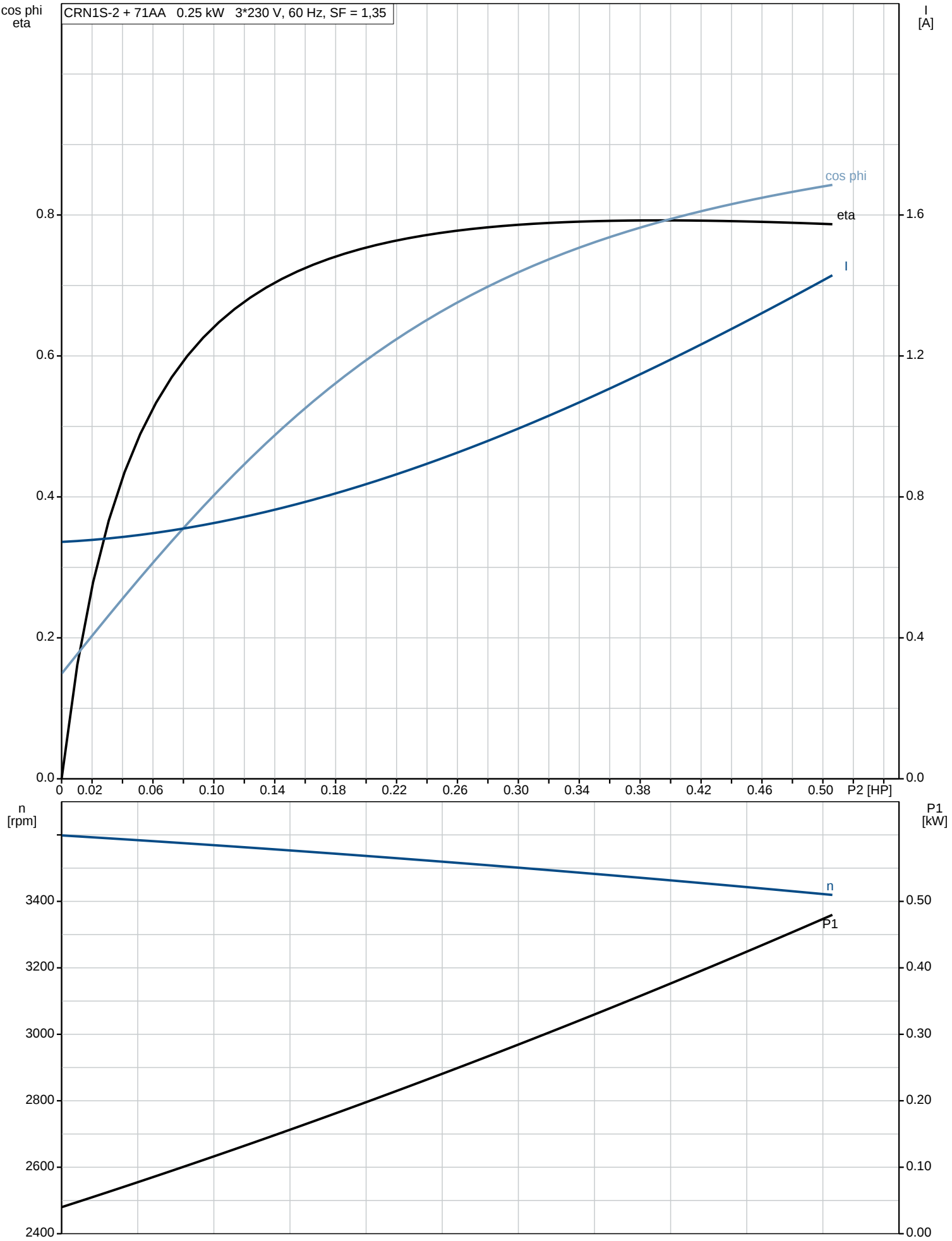
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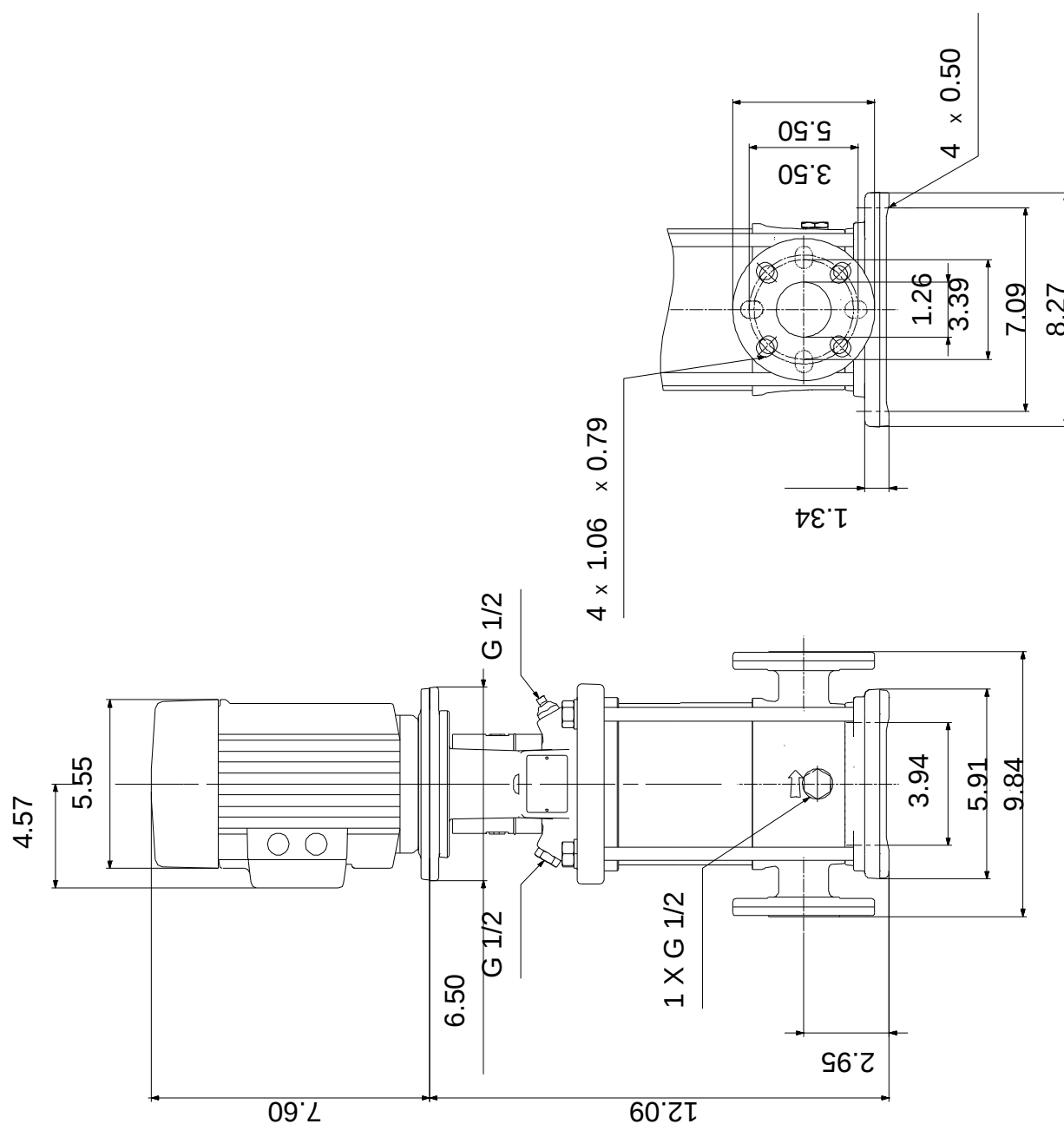
10/17/2018

| Description          | Value        |
|----------------------|--------------|
| Motor Number:        | 85900700     |
| <b>Controls:</b>     |              |
| Frequency converter: | NONE         |
| <b>Others:</b>       |              |
| Net weight:          | 50.2 lb      |
| Gross weight:        | 61.2 lb      |
| Shipping volume:     | 4.94 ft³     |
| Country of origin:   | US           |
| Custom tariff no.:   | 8413.70.2040 |

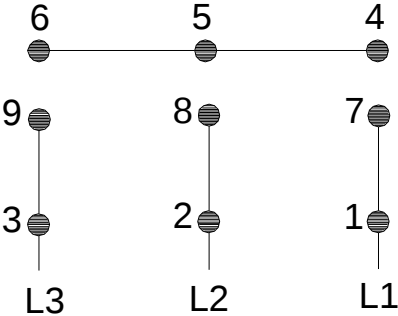
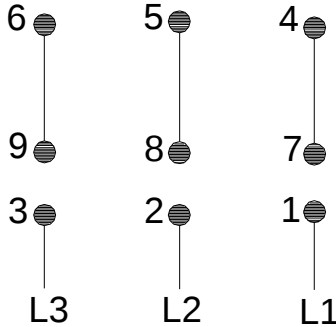
**96081781 CRN 1S-2 A-FGJ-A-E-HQQE 60 Hz**



## 96081781 CRN 1S-2 A-FGJ-A-E-HQQE 60 Hz



**96081781 CRN 1S-2 A-FGJ-A-E-HQQE 60 Hz**

|                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>WARNING</b>                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                 |
| <p>MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.</p> <p>TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL.</p>                                                                                                                                           |                                                                                                                                                                                                                                                 |
| <p style="text-align: center;"><b>LOW VOLTAGE</b><br/>60Hz. 208-230V</p>                                                                                                                                                                                                                                                                                 | <p style="text-align: center;"><b>HIGH VOLTAGE</b><br/>60Hz: 460V<br/>50Hz: 400V</p>  <p style="text-align: right; transform: rotate(-90deg);">96553852</p> |
| <p>INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION</p>                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                 |
| <p>THERMOSTAT LEADS (WHEN PROVIDED)</p> <div style="display: flex; justify-content: flex-end; align-items: center;"><div style="width: 20px; height: 10px; background-color: black; border-radius: 5px; margin-right: 5px;"></div>J</div> <div style="display: flex; justify-content: flex-end; align-items: center;"><div style="width: 20px; height: 10px; background-color: black; border-radius: 5px; margin-right: 5px;"></div>J</div> |                                                                                                                                                                                                                                                 |