

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

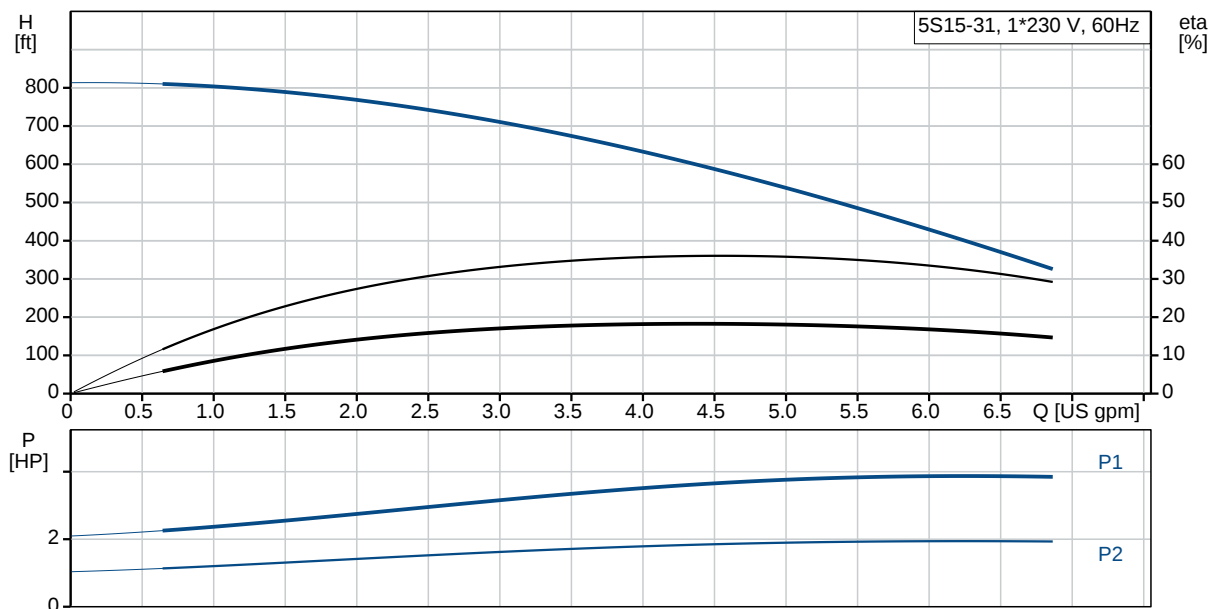


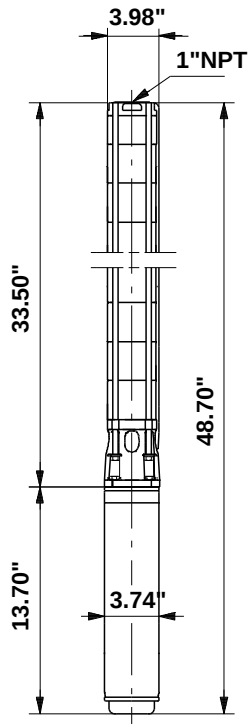
### 5S15-31

Submersible pumps in stainless steel. EN 1.4301 (AISI 304). EN 1.4401 (AISI 316). EN 1.4539 (AISI 904L).  
Typical application: Ground water, Irrigation, Mining, Fountain, Off-shore etc.

Product photo could vary from the actual product

| Conditions of Service   | Pump Data                    | Motor Data                   |
|-------------------------|------------------------------|------------------------------|
| Flow: _____             | Approvals: CE,EAC,CSACOMP,UR | Rated power - P2: 1.5 HP     |
| Head: _____             | Product number: 81545315     | Rated voltage: 230 V         |
| Efficiency: _____       |                              | Main frequency: 60 Hz        |
| Liquid: Water           |                              | Enclosure class: IP68        |
| Temperature: 68 °F      |                              | Insulation class: B          |
| NPSH required: ft       |                              | Motor protection: NONE       |
| Viscosity: _____        |                              | Thermal protection: external |
| Specific Gravity: 1.000 |                              | Motor type: MS402            |



**Materials:**

Pump: Stainless steel  
EN 1.4301  
AISI 304  
Impeller: Stainless steel  
EN 1.4301  
AISI 304  
Motor: Stainless steel  
DIN W.-Nr. 1.4301  
AISI 304

| Count | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | <p><b>5S15-31</b></p>  <p>Product No.: <a href="#">81545315</a><br/>Multi-stage submersible pump for raw water supply, groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-aggressive liquids without solid particles or fibers.</p> <p>The pump is made entirely of Stainless steel DIN W.-Nr. EN 1.4301 and suitable for horizontal and vertical installation.<br/>The pump is fitted with a built-in non-return valve.</p> <p>The motor is a 1-phase motor of the canned type with a sand shield, liquid-lubricated bearings and pressure-equalizing diaphragm.</p> <p><b>Liquid:</b><br/>Pumped liquid: Water<br/>Maximum liquid temperature: 140 °F<br/>Max liquid temperature at 0.15 m/sec: 104 °F<br/>Selected liquid temperature: 68 °F<br/>Density: 62.29 lb/ft³</p> <p><b>Technical:</b><br/>Pump speed on which pump data is based: 3450 rpm<br/>Rated flow: 4.4 US gpm<br/>Rated head: 541.4 ft<br/>Shaft seal for motor: LIPSEAL<br/>Approvals on nameplate: CE,EAC,CSACOMP,UR<br/>Curve tolerance: ISO9906:2012 3B<br/>Motor version: T40<br/>Specification for shaft end: CYLINDRICAL</p> <p><b>Materials:</b><br/>Pump: Stainless steel<br/>EN 1.4301<br/>AISI 304<br/>Impeller: Stainless steel<br/>EN 1.4301<br/>AISI 304</p> |



Company name:

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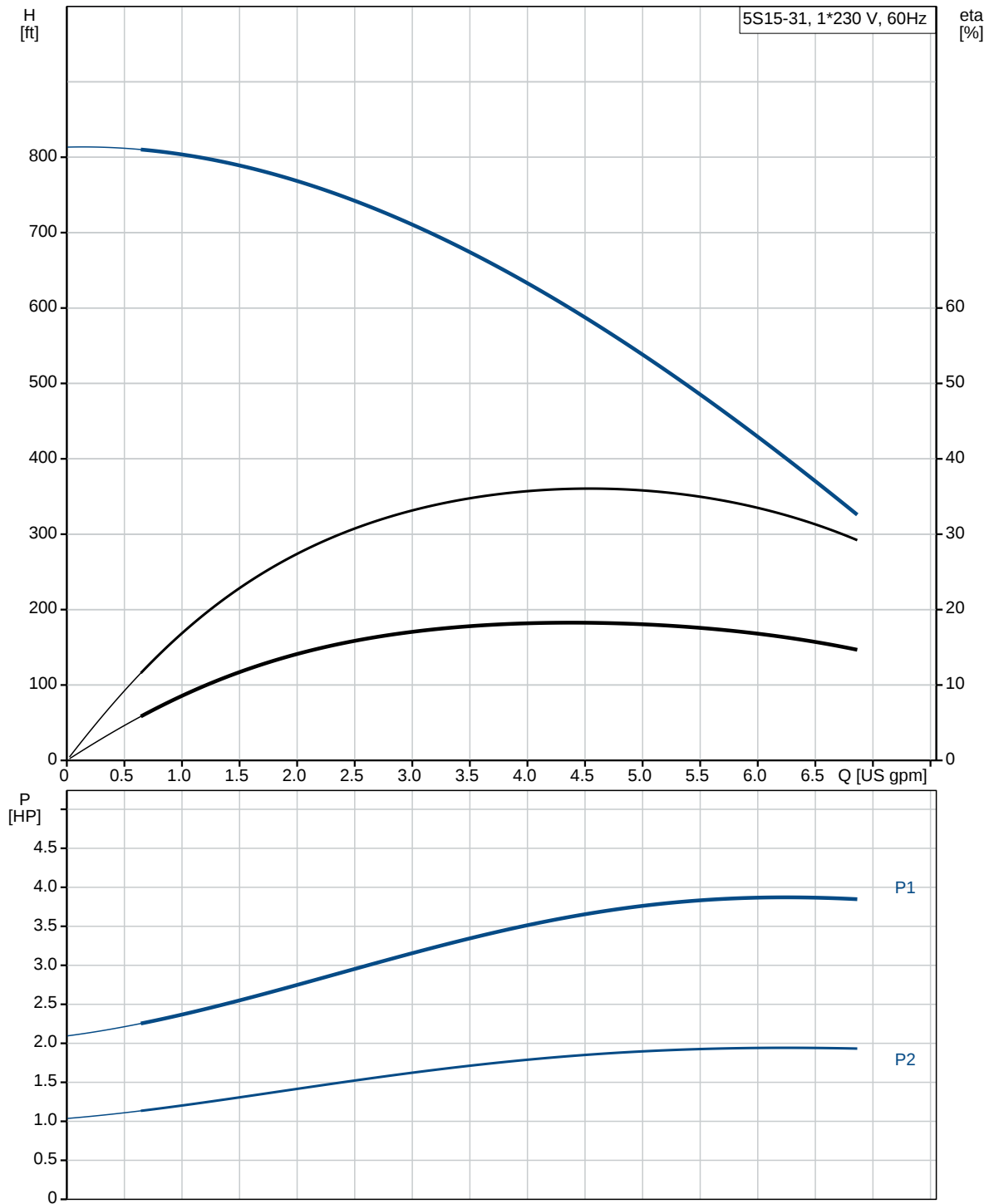
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Date:

5/21/2020

| Count | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | <p>Motor: Stainless steel<br/>DIN W.-Nr. 1.4301<br/>AISI 304</p> <p><b>Installation:</b><br/>Maximum ambient pressure: 217.56 psi<br/>Pump outlet: 1"NPT<br/>Motor diameter: 4 inch</p> <p><b>Electrical data:</b><br/>Motor type: MS402<br/>Type of motor: CSCR<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 230 V<br/>Service factor: 1.30<br/>Rated current: 11.6 A<br/>Starting current: 500 %<br/>Cos phi - power factor: 0.89<br/>Rated speed: 3450 rpm<br/>Start. method: direct-on-line<br/>Enclosure class (IEC 34-5): IP68<br/>Insulation class (IEC 85): B<br/>Built-in temperature transmitter: No<br/>Motor Number: 79453105</p> <p><b>Others:</b><br/>ErP status: EuP Standalone/Prod.<br/>Net weight: 47.6 lb<br/>Gross weight: 52.9 lb<br/>Shipping volume: 1310 ft<sup>3</sup><br/>Country of origin: US<br/>Custom tariff no.: 8413.70.2004</p> |

## 81545315 5S15-31 60 Hz





Company name:

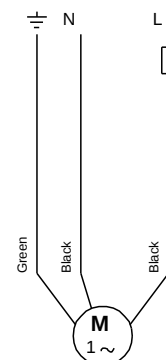
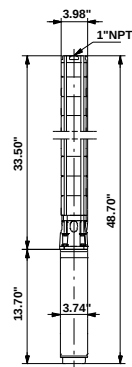
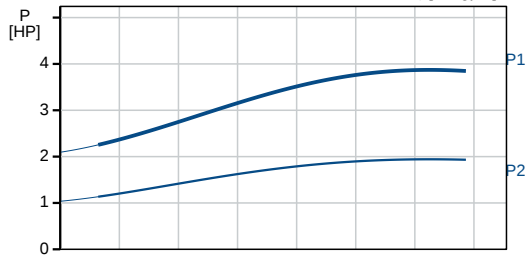
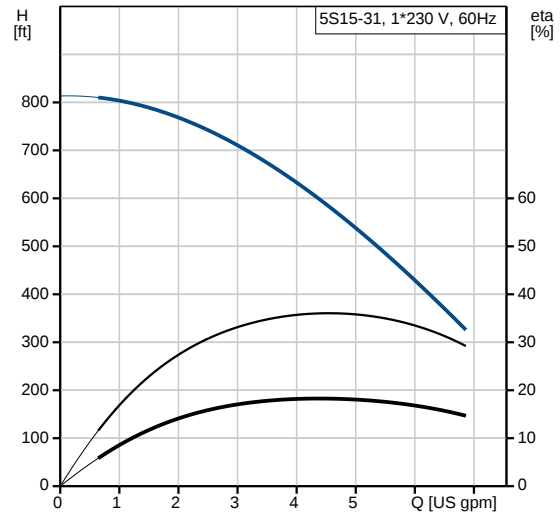
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Date:

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| Description                             | Value              |
|-----------------------------------------|--------------------|
| <b>General information:</b>             |                    |
| Product name:                           | 5S15-31            |
| Product No.:                            | 81545315           |
| EAN:                                    | 5700394509756      |
|                                         | 5700394509756      |
| <b>Technical:</b>                       |                    |
| Pump speed on which pump data is based: | 3450 rpm           |
| Rated flow:                             | 4.4 US gpm         |
| Rated head:                             | 541.4 ft           |
| Stages:                                 | 31                 |
| Impeller reduc.:                        | NONE               |
| Shaft seal for motor:                   | LIPSEAL            |
| Approvals on nameplate:                 | CE,EAC,CSACOMP, UR |
| Curve tolerance:                        | ISO9906:2012 3B    |
| Pump Number:                            | 08110031           |
| Model:                                  | A                  |
| Valve:                                  | YES                |
| Motor version:                          | T40                |
| Specification for shaft end:            | CYLINDRICAL        |
| <b>Materials:</b>                       |                    |
| Pump:                                   | Stainless steel    |
|                                         | EN 1.4301          |
|                                         | AISI 304           |
| Impeller:                               | Stainless steel    |
|                                         | EN 1.4301          |
|                                         | AISI 304           |
| Motor:                                  | Stainless steel    |
|                                         | DIN W.-Nr. 1.4301  |
|                                         | AISI 304           |
| <b>Installation:</b>                    |                    |
| Maximum ambient pressure:               | 217.56 psi         |
| Pump outlet:                            | 1"NPT              |
| Motor diameter:                         | 4 inch             |
| <b>Liquid:</b>                          |                    |
| Pumped liquid:                          | Water              |
| Maximum liquid temperature:             | 140 °F             |
| Max liquid temperature at 0.15 m/sec:   | 104 °F             |
| Selected liquid temperature:            | 68 °F              |
| Density:                                | 62.29 lb/ft³       |
| <b>Electrical data:</b>                 |                    |
| Motor type:                             | MS402              |
| Type of motor:                          | CSCR               |
| Applic. motor:                          | GRUNDFOS           |
| Rated power - P2:                       | 1.5 HP             |
| Power (P2) required by pump:            | 1.5 HP             |
| KVA code:                               | H                  |





Company name:

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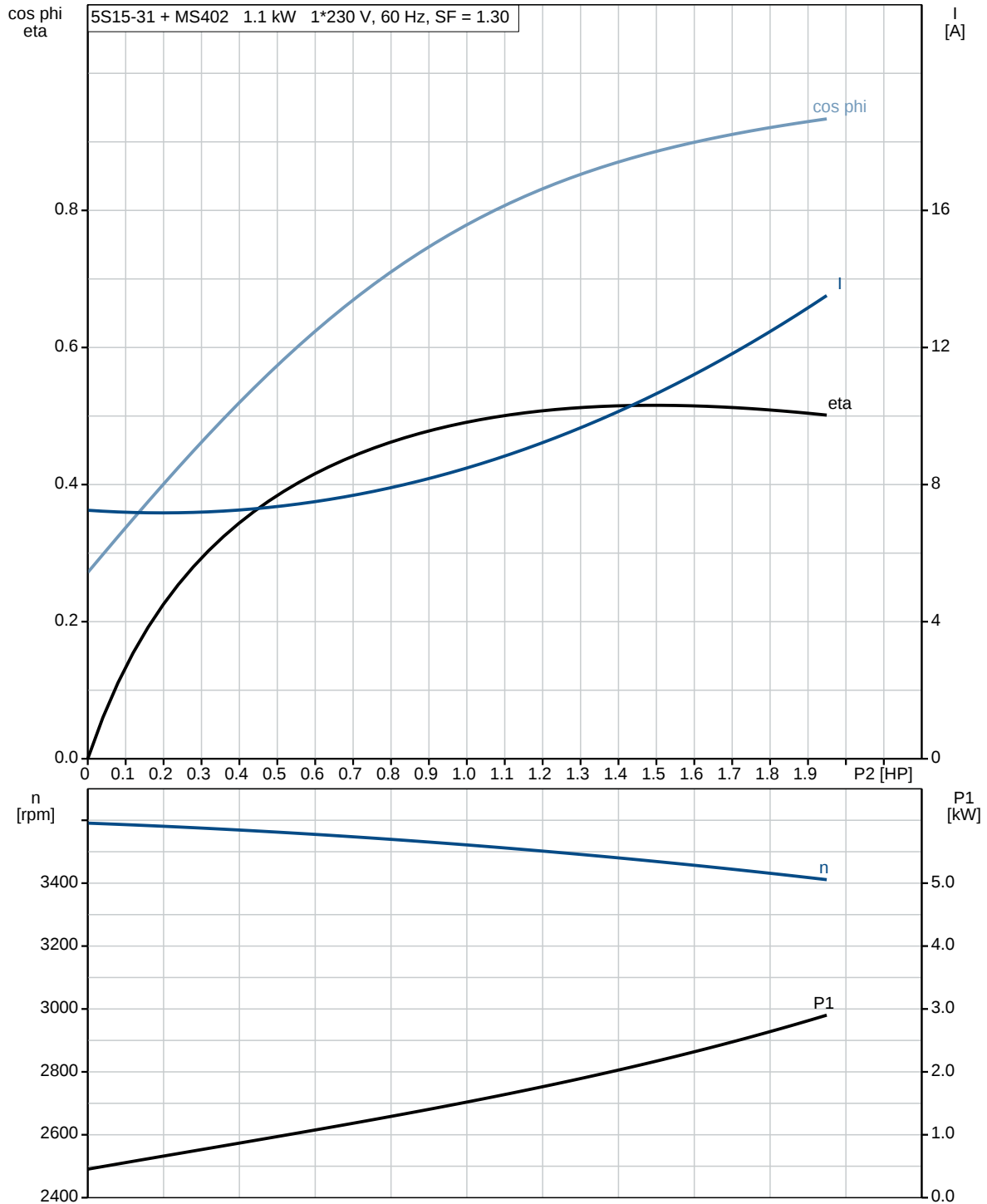
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| Description                       | Value                |
|-----------------------------------|----------------------|
| Main frequency:                   | 60 Hz                |
| Rated voltage:                    | 1 x 230 V            |
| Service factor:                   | 1.30                 |
| Rated current:                    | 11.6 A               |
| Starting current:                 | 500 %                |
| Cos phi - power factor:           | 0.89                 |
| Rated speed:                      | 3450 rpm             |
| Axial load max:                   | 772 lb               |
| Start. method:                    | direct-on-line       |
| Enclosure class (IEC 34-5):       | IP68                 |
| Insulation class (IEC 85):        | B                    |
| Motor protection:                 | NONE                 |
| Thermal protec:                   | external             |
| Built-in temperature transmitter: | No                   |
| Motor Number:                     | 79453105             |
| <b>Controls:</b>                  |                      |
| Ctrl box product number:          | 91126212             |
| <b>Others:</b>                    |                      |
| ErP status:                       | EuP Standalone/Prod. |
| Net weight:                       | 47.6 lb              |
| Gross weight:                     | 52.9 lb              |
| Shipping volume:                  | 1310 ft <sup>3</sup> |
| Sales region:                     | Namreg               |
| Country of origin:                | US                   |
| Custom tariff no.:                | 8413.70.2004         |

## 81545315 5S15-31 60 Hz

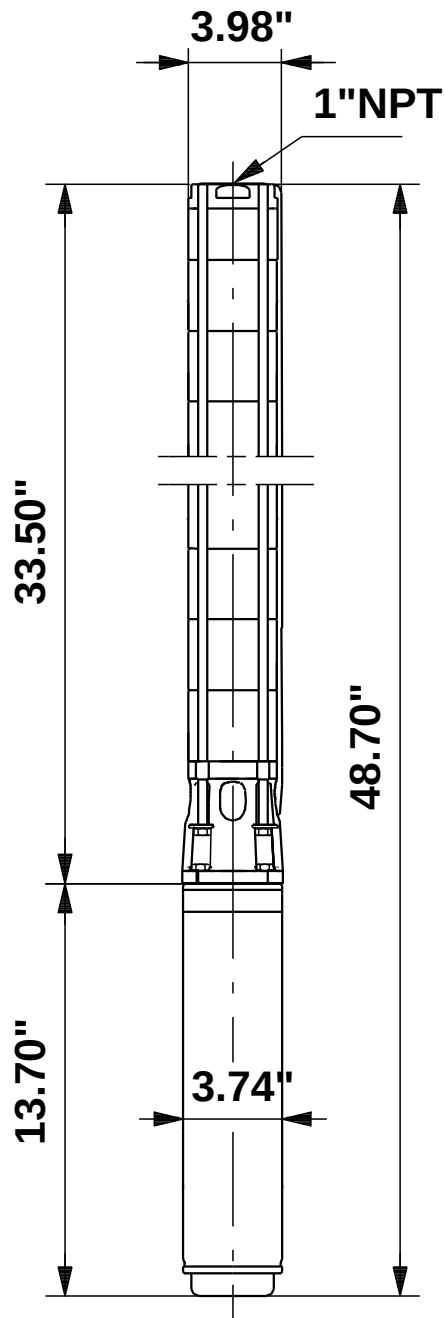




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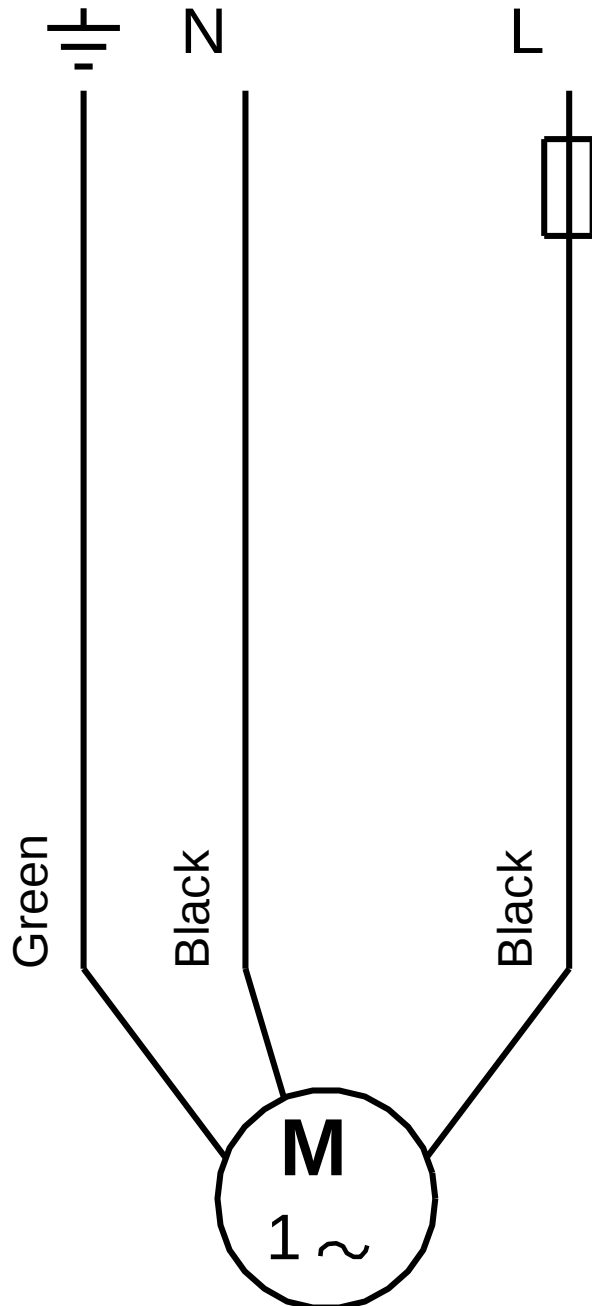
Date: 5/21/2020

**81545315 5S15-31 60 Hz**



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

**81545315 5S15-31 60 Hz**



All units are [in] unless otherwise presented.