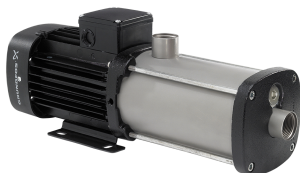


|                       |                        |                 |
|-----------------------|------------------------|-----------------|
| PROJECT: _____        | UNIT TAG: _____        | QUANTITY: _____ |
| REPRESENTATIVE: _____ | TYPE OF SERVICE: _____ | DATE: _____     |
| ENGINEER: _____       |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

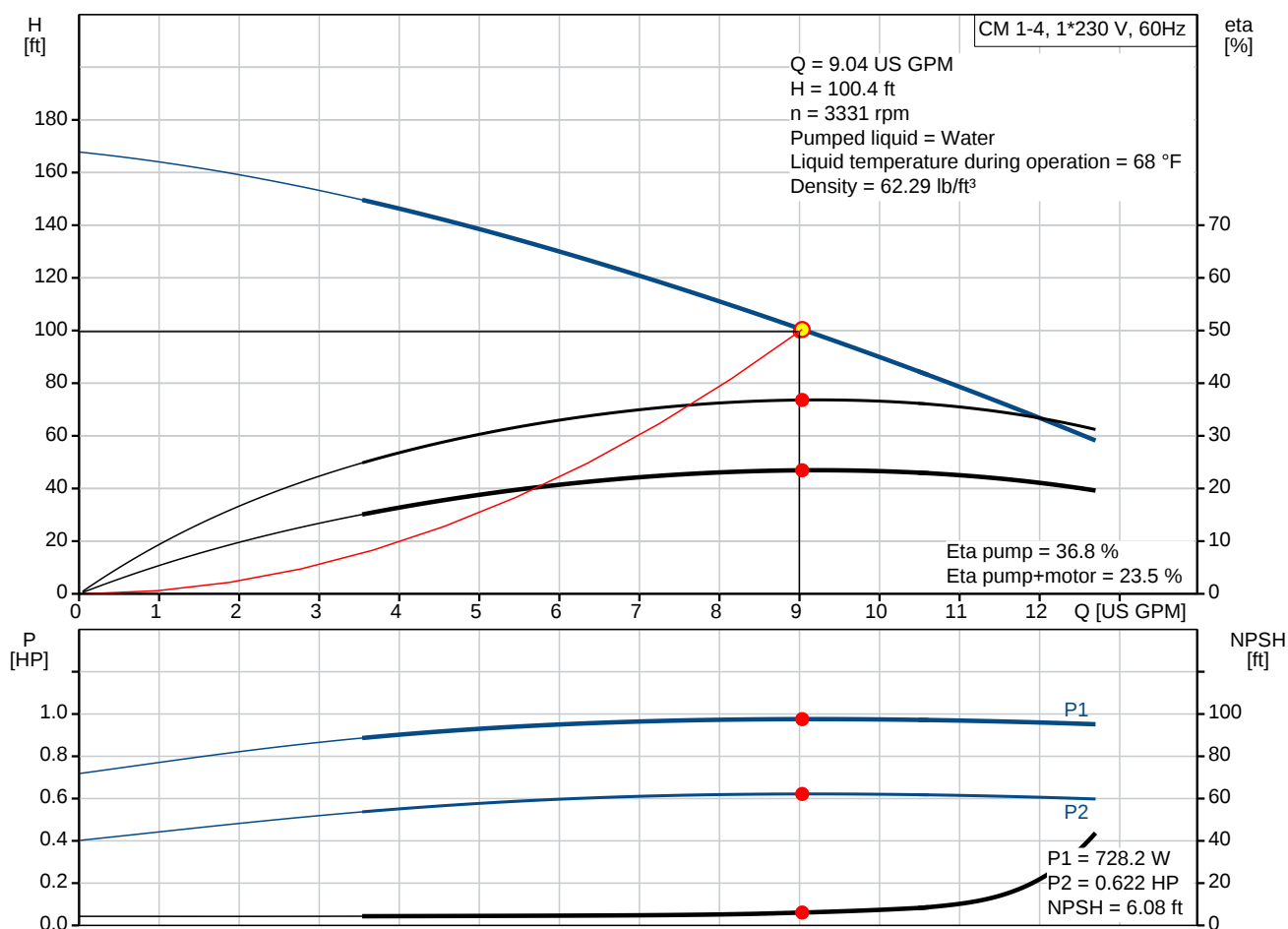
### CM 1-4 A-S-G-E-AQQE B-A-A-N

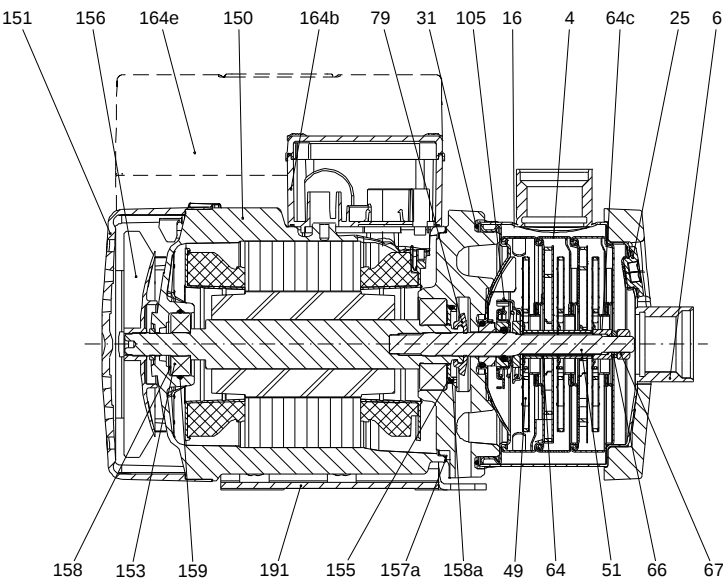
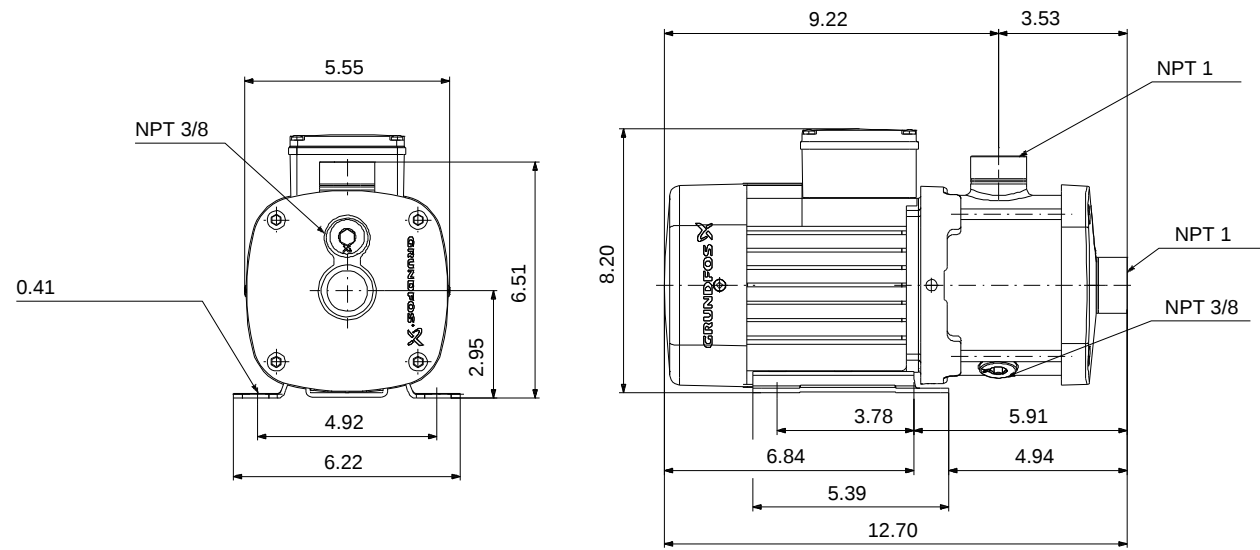


CM are reliable, quiet and compact horizontal end-suction pumps. The modular pump design makes it easy to make customised solutions. The CM pumps are available in cast iron and stainless steel

Note! Product picture may differ from actual product

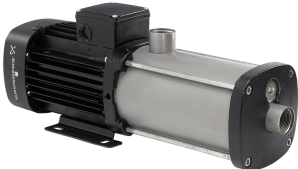
| Conditions of Service   | Pump Data                                     | Motor Data             |
|-------------------------|-----------------------------------------------|------------------------|
| Flow: 9.04 US GPM       | Max pressure at stated temp: 232 psi / 194 °F | Mains frequency: 60 Hz |
| Head: 100.4 ft          | Liquid temperature range: -4 .. 248 °F        | Enclosure class: IP55  |
| Efficiency: 23.5 %      | Maximum ambient temperature: 131 °F           |                        |
| Liquid: Water           | Shaft seal: AQQE                              |                        |
| Temperature: 68 °F      | Product number: 97568186                      |                        |
| NPSH required: 6.08 ft  |                                               |                        |
| Viscosity: _____        |                                               |                        |
| Specific Gravity: 1.000 |                                               |                        |





**Materials:**  
Pump housing: Stainless steel  
AISI 316  
Impeller: Stainless steel  
AISI 316  
EN 1.4401  
Material code: G  
Code for rubber: E

165x100

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p><b>CM 1-4 A-S-G-E-AQQE B-A-A-N</b></p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: <a href="#">97568186</a></p> <p>Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. Pump materials in contact with the liquid are in high-grade stainless steel. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal NPT pipe threads.</p> <p>The pump is fitted with a 1-phase, foot-mounted, fan-cooled asynchronous 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/>Selected liquid temperature: 68 °F<br/>Density: 62.29 lb/ft³</p> <p><b>Technical:</b><br/>Pump speed on which pump data are based: 3480 rpm<br/>Actual calculated flow: 9.04 US GPM<br/>Rated flow: 8.98 US GPM<br/>Resulting head of the pump: 100.4 ft<br/>Rated head: 118.7 ft<br/>Code for shaft seal: AQQE<br/>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b><br/>Pump housing: Stainless steel<br/>EN 1.4401<br/>AISI 316<br/>Impeller: Stainless steel<br/>EN 1.4401<br/>AISI 316</p> <p><b>Installation:</b><br/>Range of ambient temperature: -4 .. 131 °F<br/>Maximum operating pressure: 232.06 psi<br/>Max pressure at stated temp: 232 psi / 194 °F<br/>145 psi / 250 °F<br/>Type of connection: NPT(F)<br/>Size of inlet connection: 1 inch<br/>Size of outlet connection: 1 inch<br/>Outlet position: 12</p> <p><b>Electrical data:</b><br/>Motor standard: NEMA<br/>Frame size: 71B</p> |



Company name:

Created by:

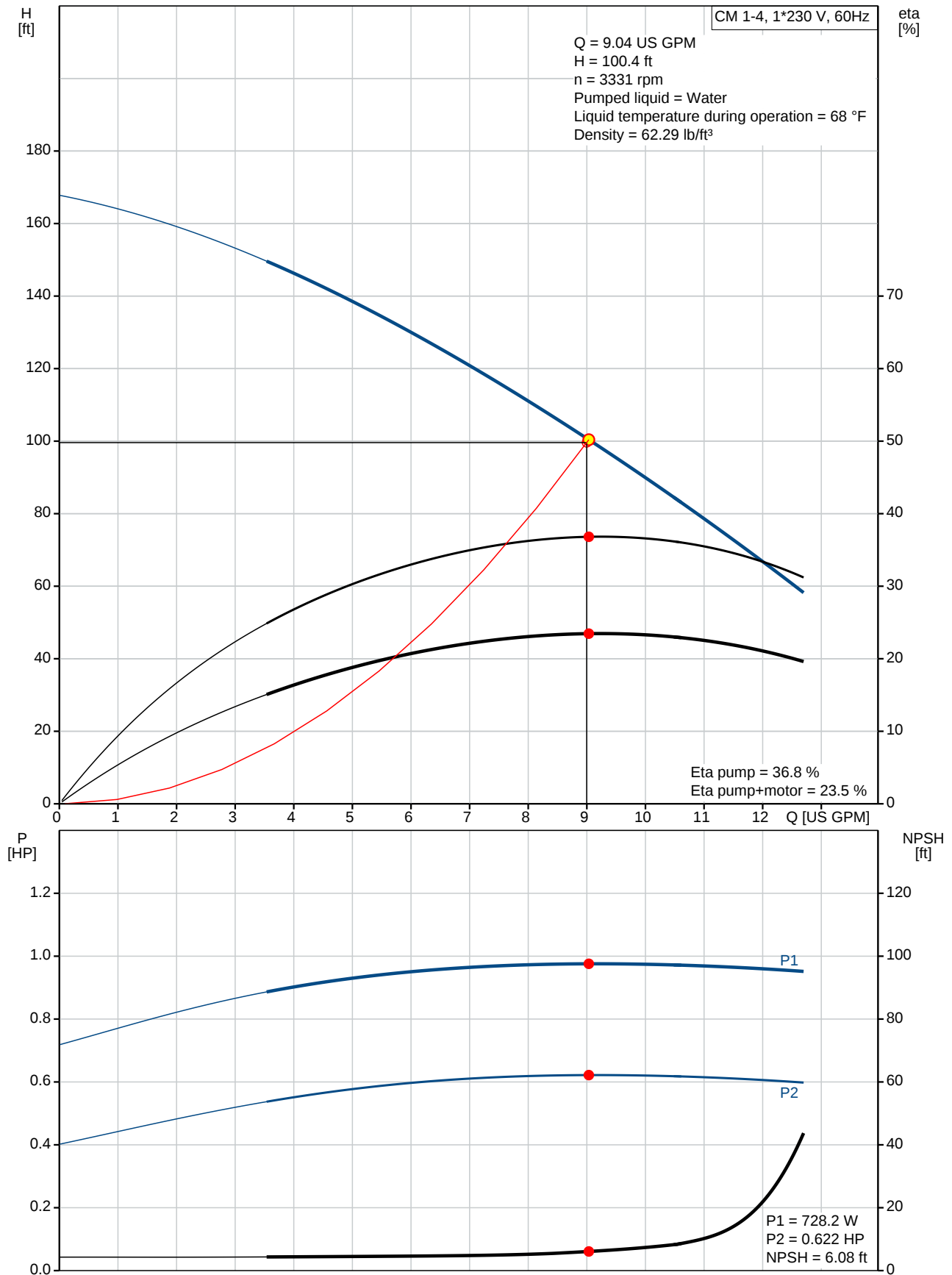
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Date:

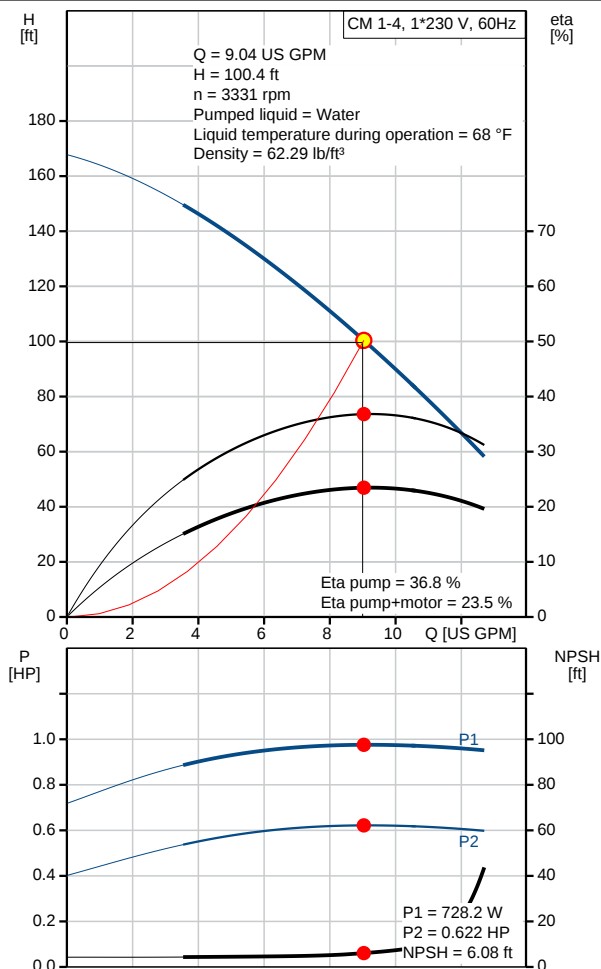
02/04/2020

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <div><div>Rated power - P2:</div><div>0.805 HP</div></div> <div><div>Mains frequency:</div><div>60 Hz</div></div> <div><div>Suitable for 50/60 Hz:</div><div>N</div></div> <div><div>Phases:</div><div>1</div></div> <div><div>Rated voltage:</div><div>115/230 V</div></div> <div><div>Service factor:</div><div>1.00</div></div> <div><div>Rated current:</div><div>7.6/3.9 A</div></div> <div><div>Starting current:</div><div>260-260 %</div></div> <div><div>Rated speed:</div><div>3240 rpm</div></div> <div><div>Enclosure class (IEC 34-5):</div><div>IP55</div></div> <div><div>Insulation class (IEC 85):</div><div>F</div></div> <div><div>Built-in motor protection:</div><div>NONE</div></div> <div><div>Others:</div><div></div></div> <div><div>Terminal box position:</div><div>12</div></div> <div><div>Minimum efficiency index, MEI <math>\eta_{\%}</math>:</div><div>0.68</div></div> <div><div>Net weight:</div><div>28.1 lb</div></div> <div><div>Gross weight:</div><div>33.6 lb</div></div> <div><div>Approvals:</div><div>CE,CULUS,WRAS,ACS,TR,EAC,CURUS</div></div> <div><div>Country of origin:</div><div>US</div></div> <div><div>Custom tariff no.:</div><div>8413.70.2040</div></div> |

## 97568186 CM 1-4 A-S-G-E-AQQE B-A-A-N 60 Hz



| Description                              | Value                                    |
|------------------------------------------|------------------------------------------|
| <b>General information:</b>              |                                          |
| Product name:                            | CM 1-4 A-S-G-E-AQQE<br>B-A-A-N           |
| Product No:                              | 97568186                                 |
| EAN number:                              | 5700318667470<br>5700318667470           |
| <b>Technical:</b>                        |                                          |
| Pump speed on which pump data are based: | 3480 rpm                                 |
| Actual calculated flow:                  | 9.04 US GPM                              |
| Rated flow:                              | 8.98 US GPM                              |
| Resulting head of the pump:              | 100.4 ft                                 |
| Rated head:                              | 118.7 ft                                 |
| Impellers:                               | 4                                        |
| Code for shaft seal:                     | AQQE                                     |
| Curve tolerance:                         | ISO9906:2012 3B                          |
| Pump version:                            | A                                        |
| Model:                                   | A                                        |
| <b>Materials:</b>                        |                                          |
| Pump housing:                            | Stainless steel<br>EN 1.4401<br>AISI 316 |
| Impeller:                                | Stainless steel<br>EN 1.4401<br>AISI 316 |
| Material code:                           | G                                        |
| Code for rubber:                         | E                                        |
| <b>Installation:</b>                     |                                          |
| Range of ambient temperature:            | -4 .. 131 °F                             |
| Maximum operating pressure:              | 232.06 psi                               |
| Max pressure at stated temp:             | 232 psi / 194 °F<br>145 psi / 250 °F     |
| Type of connection:                      | NPT(F)                                   |
| Size of inlet connection:                | 1 inch                                   |
| Size of outlet connection:               | 1 inch                                   |
| Outlet position:                         | 12                                       |
| Connect code:                            | S                                        |
| <b>Liquid:</b>                           |                                          |
| Pumped liquid:                           | Water                                    |
| Liquid temperature range:                | -4 .. 248 °F                             |
| Selected liquid temperature:             | 68 °F                                    |
| Density:                                 | 62.29 lb/ft <sup>3</sup>                 |
| <b>Electrical data:</b>                  |                                          |
| Motor standard:                          | NEMA                                     |
| Frame size:                              | 71B                                      |
| Rated power - P2:                        | 0.805 HP                                 |
| Mains frequency:                         | 60 Hz                                    |
| Suitable for 50/60 Hz:                   | N                                        |
| Phases:                                  | 1                                        |
| Rated voltage:                           | 115/230 V                                |
| Service factor:                          | 1.00                                     |
| Rated current:                           | 7.6/3.9 A                                |
| Starting current:                        | 260-260 %                                |
| Rated speed:                             | 3240 rpm                                 |
| Enclosure class (IEC 34-5):              | IP55                                     |
| Insulation class (IEC 85):               | F                                        |
| Built-in motor protection:               | NONE                                     |
| <b>Controls:</b>                         |                                          |
| Frequency converter:                     | NONE                                     |





Company name:

Created by:

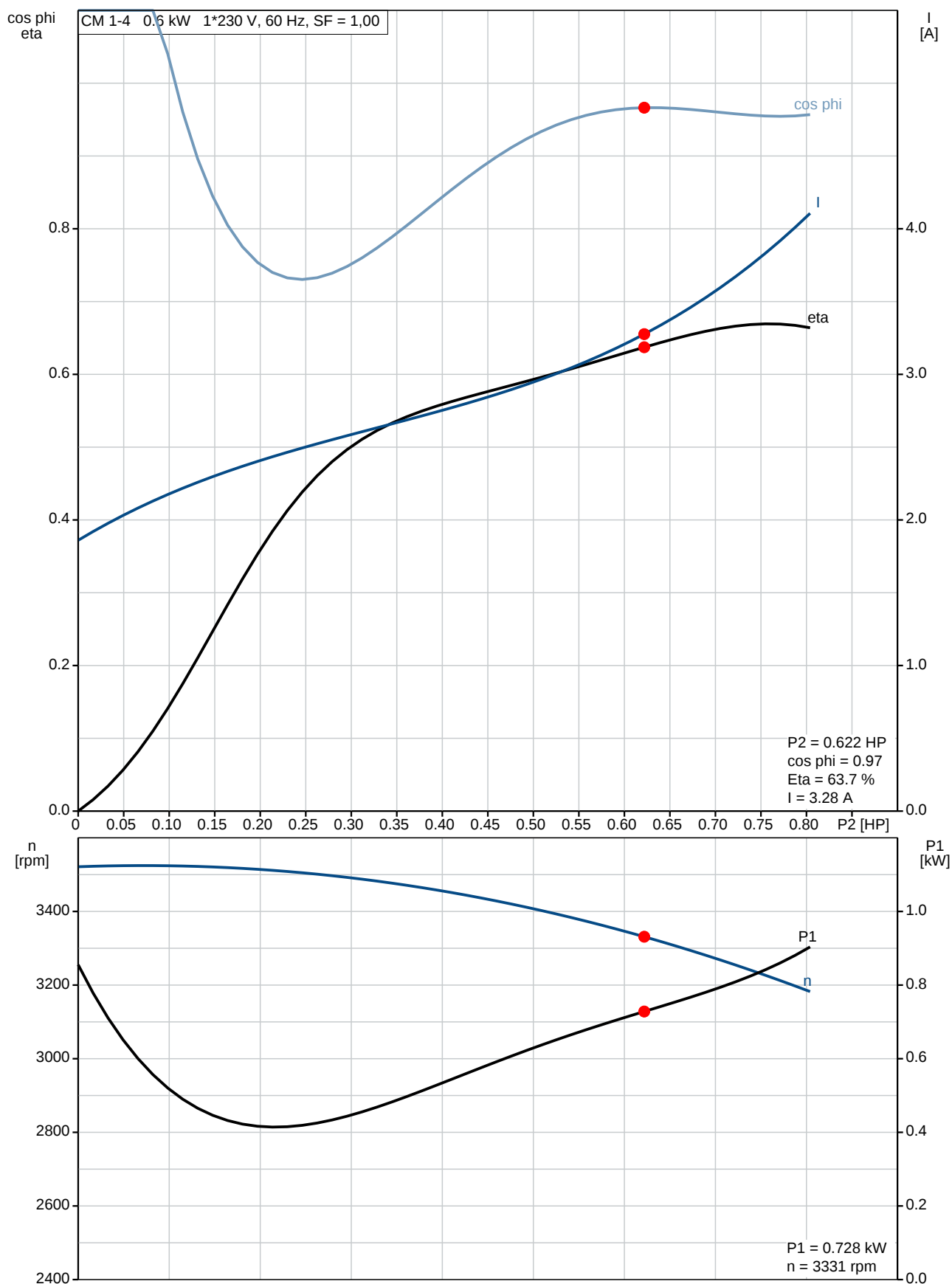
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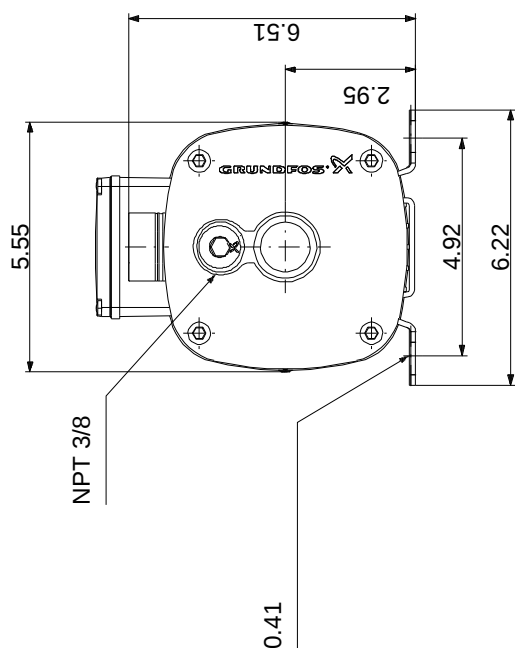
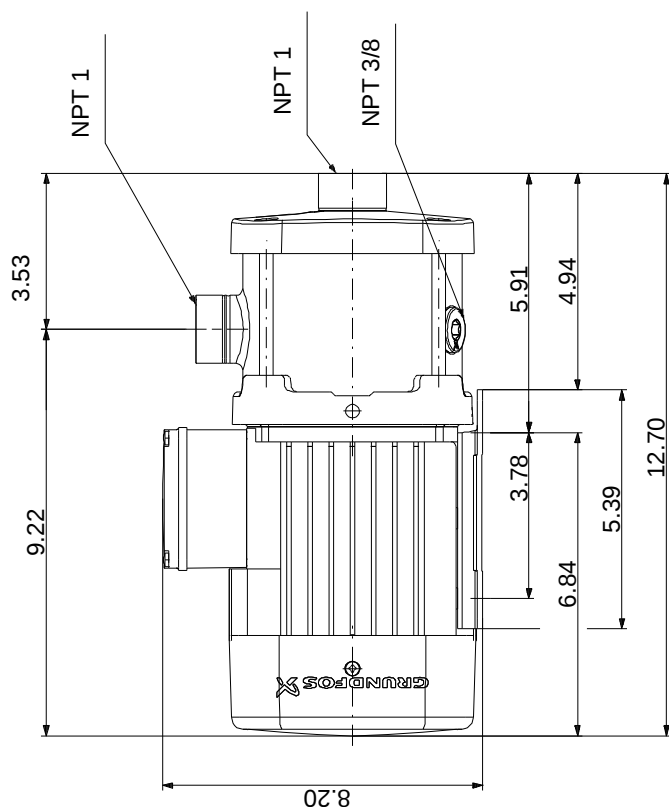
02/04/2020

| Description                           | Value                              |
|---------------------------------------|------------------------------------|
| <b>Others:</b>                        |                                    |
| Terminal box position:                | 12                                 |
| Minimum efficiency index, MEI<br>â%¥: | 0.68                               |
| Net weight:                           | 28.1 lb                            |
| Gross weight:                         | 33.6 lb                            |
| Approvals:                            | CE,CULUS,WRAS,ACS,TR,EA<br>C,CURUS |
| Country of origin:                    | US                                 |
| Custom tariff no.:                    | 8413.70.2040                       |

## 97568186 CM 1-4 A-S-G-E-AQQE B-A-A-N 60 Hz



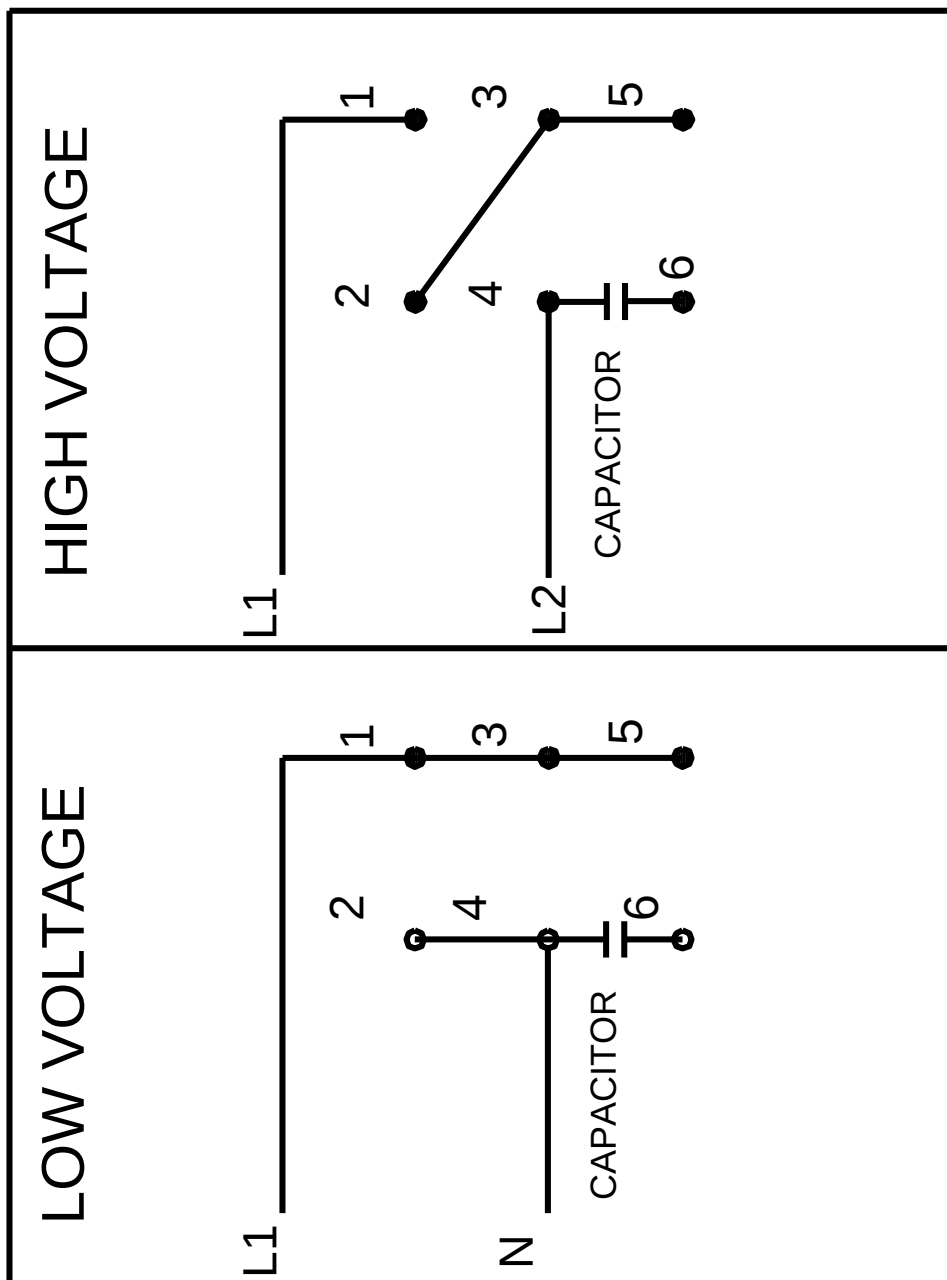
## 97568186 CM 1-4 A-S-G-E-AQQE B-A-A-N 60 Hz



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

**97568186 CM 1-4 A-S-G-E-AQQE B-A-A-N 60 Hz**

# SUITABLE FOR FIELD CONNECTION



Note! All units are in [in] unless others are stated.