

Submittal Data

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

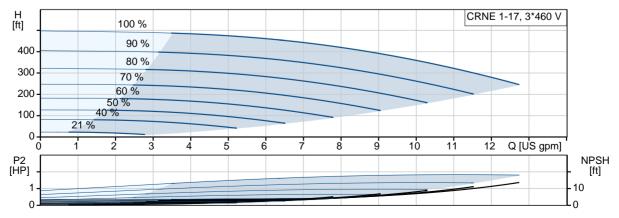


CRNE 1-17 N-FGJ-A-E-HQQE

Vertical, multistage centrifugal pump with integrated frequency converter. Pump materials in contact with the liquid are in stainless steel (EN 1.4301)

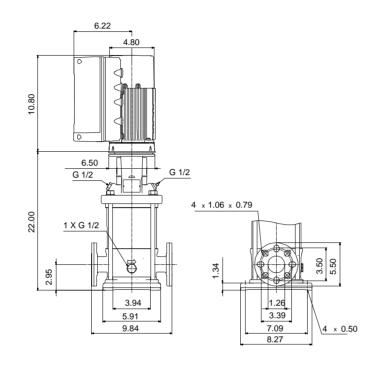
Product photo could vary from the actual product

| Conditions of Service | | Pump Data | Motor Data | | |
|-----------------------|-------|-------------------------------------|------------------|-------------------|-----------|
| Flow: | | Max pressure at stated temperature: | 363 psi / 250 °F | Rated power - P2: | 2 HP |
| Head: | | Liquid temperature range: | -4 248 °F | Rated voltage: | 440-480 V |
| Efficiency: | | Maximum ambient temperature: | 122 °F | Main frequency: | 60 Hz |
| Liquid: | Water | Approvals: | CURUS,NSF61 | Enclosure class: | IP55 |
| Temperature: | 68 °F | Shaft seal: | HQQE | Insulation class: | F |
| NPSH required: | | Product number: | 99340767 | Motor protection: | YES |
| Viscosity: | | | | Motor type: | 90C |
| Specific Gravity: | | | | Motor_efficiency: | 89.4 % |



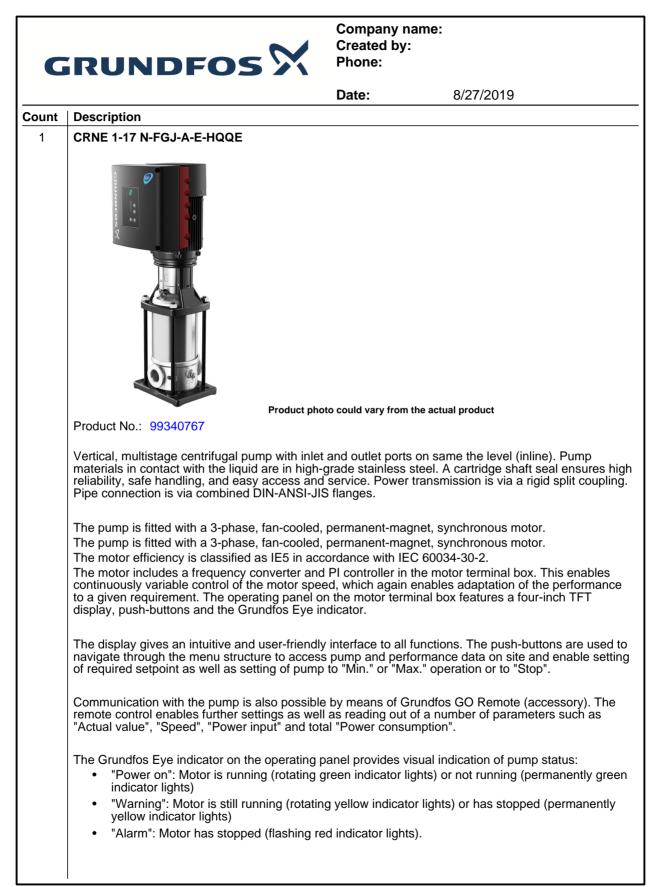
Submittal Data





Materials:

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



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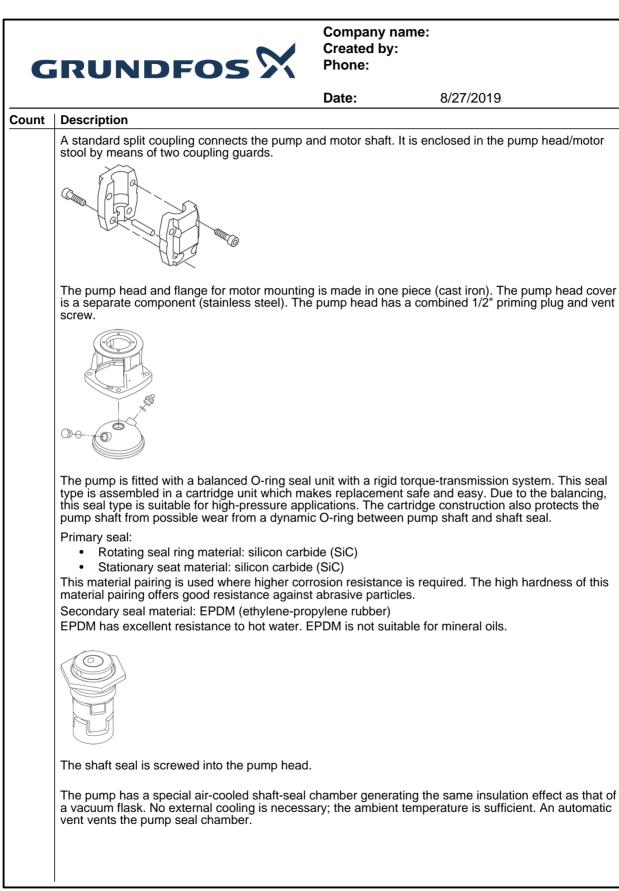
Count

Company name: Created by: Phone:

Date: 8/27/2019 Description The terminal box has a number of inputs and outputs enabling the motor to be used in advanced applications where many inputs and outputs are required: two dedicated digital inputs three analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V; the factory-fitted pressure sensor is connected to one of these inputs 5 V voltage supply to potentiometer and sensor one analog output, 0-10 V, 0(4)-20 mA two configurable digital inputs or open-collector outputs • two Pt100/Pt1000 inputs • LiqTec, dry-running protection sensor input • Grundfos Digital Sensor input and output 24 V voltage supply for sensors two signal-relay outputs (potential-free contacts) **GENIbus** connection interface for Grundfos CIM fieldbus module. Further product details The pump is equipped with a pressure sensor registering pump outlet pressure and enabling controlled pump operation based on constant pressure. The operating panel on the motor terminal box features a four-inch TFT display, push-buttons and the Grundfos Eye indicator. The display gives an intuitive and user-friendly interface to all functions. The push-buttons are used to navigate through the menu structure to access pump and performance data on site and enable setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". Communication with the pump is also possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption". The Grundfos Eye indicator on the operating panel provides visual indication of pump status: "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights) "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently vellow indicator lights) "Alarm": Motor has stopped (flashing red indicator lights). Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An integral part of the process is a pretreatment. The entire process consists of these elements: 1) Alkaline-based cleaning.

- 2) Zinc phosphating.
- 3) Cathodic electro-deposition.
- 4) Curing to a dry film thickness 18-22 my m.

The colour code for the finished product is NCS 9000/RAL 9005.



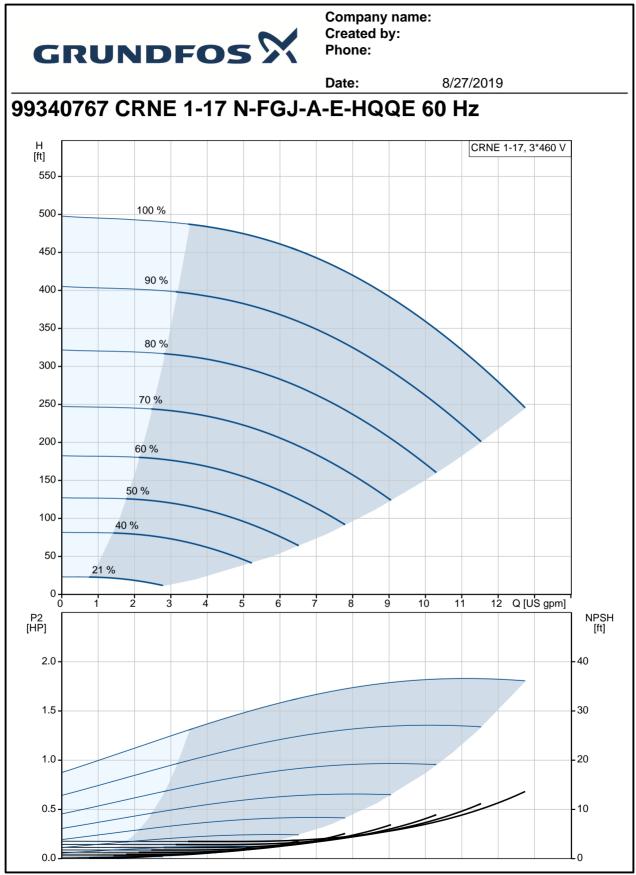
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| | | Da | te: | 8/27/2019 |
|----|---|--|------------------------------------|--|
| nt | Description | | | |
| | The chambers and impellers are PTFE neck ring offering improve and the shape of the blades ens | d sealing and high | efficiency. The in | chambers are provided with a npellers have smooth surfaces, |
| | kept in position by the tension of base has a combined drain plug | the staybolts which and bypass valve. | hold the pump t The pump is sec | late. This base and base plate are together. The outlet side of the ured to the foundation by four iece and prepared for connection |
| | Motor | | | |
| | Electrical tolerances comply with | an-cooled motor w | ith principal dime | nsions to IEC and DIN standards. |
| | The motor efficiency is classified The motor requires no external r against slow- and quick-rising te | as IE5 in accordar notor protection. Th | e motor control u | unit incorporates protection |
| | Technical data | | | |
| | Controls: | | | |
| | Frequency converter: Pressure sensor: | Built-in Y | | |
| | Liquid: | | | |
| | Pumped liquid: | Water | | |
| | Liquid temperature range: Selected liquid temperature: | -4 248 °F 68 °F | | |
| | Density: | 62.29 lb/ft ³ | | |
| | Technical: | | | |
| | Rated pump speed: | 3452 rpm | | |
| | Rated flow: | 9.69 US gpm | | |
| | Rated head: Pump orientation: | 362.9 ft Vertical | | |
| | Shaft seal arrangement: | Single | | |
| | Code for shaft seal: | HQQE | | |
| | Approvals on nameplate: | CURUS,NSF61 | | |
| | Curve tolerance: | ISO9906:2012 3B | | |
| | Materials: | Stainlage steel | | |
| | Base: | Stainless steel EN 1.4408 | | |
| | Los a alla a | AISI 316 | | |
| | Impeller: | Stainless steel EN 1.4401 | | |
| | | AISI 316 | | |
| | Bearing: | SIC | | |
| | Installation: | | | |
| | Maximum ambient temperature: | 122 °F | | |
| | 1 | | | |



| | | | Date: | 8/27/2019 | | |
|-------|--|----------------------|-------|-----------|--|--|
| Count | Description | | | | | |
| | Maximum operating pressure: | 362.59 psi | | | | |
| | Max pressure at stated tempera | ture: 363 psi / | | | | |
| | 363 psi / -4 °F | | | | | |
| | Type of connection: | DIN / ANSI / J | IIS | | | |
| | Size of inlet connection: | DN 25/32 | | | | |
| | Size of outlet connection: | DN 25/32 | | | | |
| | Pressure rating for pipe connect | 300 lb | | | | |
| | Flange rating inlet: Flange size for motor: | 56C | | | | |
| | Electrical data: | | | | | |
| | Motor standard: | NEMA | | | | |
| | Motor type: | 90C | | | | |
| | IE Efficiency class: | IE5 | | | | |
| | Rated power - P2: | 2 HP | | | | |
| | Power (P2) required by pump: | | | | | |
| | Main frequency: | 60 Hz | | | | |
| | Rated voltage: | 3 x 440-480 V | , | | | |
| | Service factor: | 1.15 | | | | |
| | Rated current: | 2.65 A | | | | |
| | Cos phi - power factor: | 0.87 | | | | |
| | Rated speed: | 360-4000 rpm | 1 | | | |
| | IE efficiency: | 89.4% | | | | |
| | Motor efficiency at full load: | 89.4 % | | | | |
| | Enclosure class (IEC 34-5): | IP55 | | | | |
| | Insulation class (IEC 85): | F | | | | |
| | Motor Number: | 98362281 | | | | |
| | Others: | | | | | |
| | Net weight: | 81 lb | | | | |
| | Gross weight: | 95.5 lb | | | | |
| | Shipping volume: | 8.26 ft ³ | | | | |
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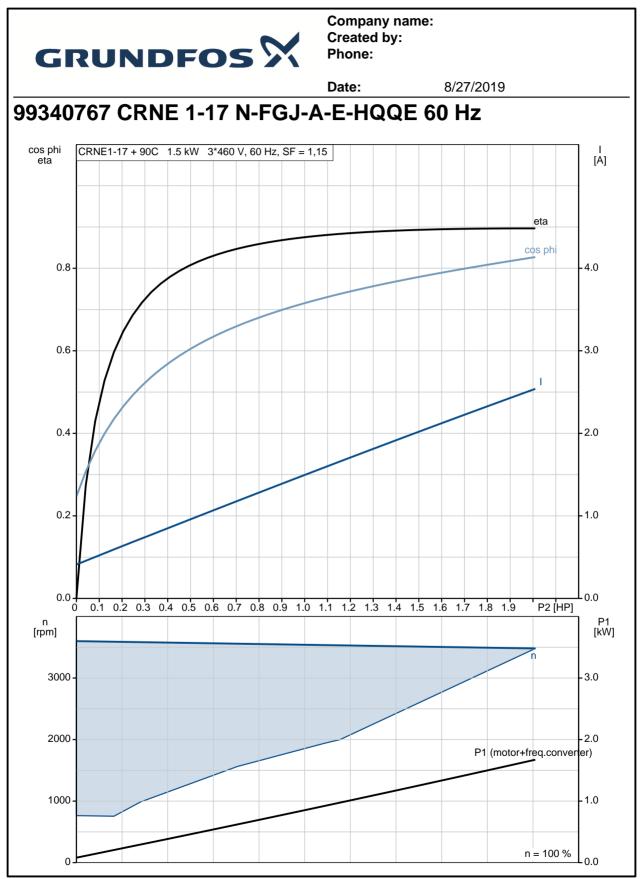


| Description Value General Information: CRNE 1-17 Product name: N-FGJ-A-E-HQQE Product No.: 99340767 EAN: 5713827513558 Technical: 3422 rpm Rated forw: 9.69 US gpm Raterials: 17 Stages: 17 Impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: Hoog Base: Stainless steel EN 1.4408 ALSI 316 Impeller: Stainless steel Earning: SiZ Base: Stainless steel Earning: SiZ Maximum ambient temperature: | | | Date: | 8/27/2019 |
|--|-------------------------------------|-----------------------------|------------|---|
| General Information: CRNE 1-17 N-FGJ-A-E-HQQE Product name: CRNE 1-17 N-FGJ-A-E-HQQE Product No:: 99340767 EAN: 5713827513558 Technical: Rated Jump speed: Rated Jump speed: 362.9 ft Head max: 493.8 ft Stages: 17 Impellers: 17 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Approvals on nameplate: ISO9906:2012 38 Pump version: N Model: A Materials: Base: Easin: Stainless steel Ent 1: 4401 AISI 316 Materials code: A Basinum ambient temperature: 363 psi / 250 °F Type of connection: DN 2/5/32 Size of uilet connection: DN 2/5/32 Size of outlet connection: DN 2/5/32 Size of outlet connection: DN 2/5/32 Size of outlet connection: <th>Description</th> <th>Value</th> <th>H [ff]</th> <th>CRNE 1-17, 3*460 V</th> | Description | Value | H [ff] | CRNE 1-17, 3*460 V |
| Product name:CRNE 1-17 NFGJ A-E HOQEProduct No.:99340767EAN:5713827513558State flow:952 US gpmRated how:9.69 US gpmRated how:9.69 US gpmRated head:362.9 ftHead max:43.8 ftStages:17Impellers:17Marker Joseph State all and transgement:9.69 US gpmCode for shaft seal:HOQEApprovisio on nameplate:CURUS,NSF61Curve tolerance:ISO9006:2012 38Pump orientation:NetticalMaterials:Base:Base:Stainless steelEN1 4408AISI 316Materials:Stainless steelBase:Stainless steelEnt 1.4401AISI 316Impeller:363 psi / 250 °FType of connection:DN 25/32Size of intel connection:DN 25/32Size of intel connection:DN 25/32Size of outlet connection:DN 25/32Size of outlet connection:DN 25/32Flange rating infelt:300 bFlange rating infelt:300 bFlange rating infelt:300 bFlange size for motor:56CConnectoon:PN 25Flange size for motor:56CConnectoon:PN 25Flange size for motor:56CConnectoon:F6JLiquid:Size of instrumentsFlange size for motor:56CConnectoon:F6JConnectoon:F6JFlange si | | Value | | |
| Product No.: 99340767 EAN: 5713827513558 571382751358 571382751 571382751358 5713827512 5713827512 5713827512 5713827512 5713827512 5713827512 5713827512 5713827512 5713827512 5713827512 571392 5 | | CRNE 1-17 N-FGJ-A-E-HQQE | | 100 % |
| EAN: 5713827513558 Technical: 5713827513558 Technical: 35713827513558 Tacha dump speed: $3452 {\rm pm}$ Rated flow: $9.69 {\rm US}$ gpm Rated flow: $9.69 {\rm US}$ gpm The set of the set of | Product No.: | 99340767 | | 90 % |
| 5713827513558Technical:Rated plmp speed:3452 rpmRated flow:9.69 US gpmRated head:362.9 ftHead max:493.8 ftStages:17Impellers:0Low NPSH:NPump orientation:VerticalShaft seal arrangement:SingleCode for shaft seal:HQDEApprovals on nameplate:CURUS,NSF61Curve tolerance:ISO906:2012 3BPump version:NMaterials:EN 1.4408AlSI 316AlSI 316Impeller:Stainless steelEnse:Stainless steelMaterial code:ACode for rubber:EBase:Stainless steelMaterial code:AMaximum ambient temperature:362.59 psiMax pressure:362.59 psiMax pressure:362.59 psiMax pressure:362.59 psiMax pressure:362.59 psiMax pressure:362.59 psiSize of outlet connection:DN 25/32Size of outlet connection:DN 2 | | | 400 - | |
| Technical:Rated flow:9.68 US gpmRated flow:9.68 US gpmImpellers:17Number of reduced-diameter0Low NPSH:NPump orientation:VerticalShaft seal arrangement:SingleCode for shaft seal:HQQEApprovals on nameplate:CURUS,NSF61Curve tolerance:ISO9906:2012 3BPump version:NModel:AMaterials:Base:Base:Stainless steelEN 1.4408AISI 316Material code:AAcode for rubber:EBasering:SICInstallation:363 psi / 250 °FMax pressure:363 psi / 250 °F363 psi / | | | 350 - | |
| Rated pump speed: 3452 rpm Rated flow: 9.69 US gpm Rated flow: 362.9 ft Head max: 493.8 ft Stages: 17 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQOE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906.2012 3B Pump version: N Materials: Base: EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4408 AISI 316 Impeller: EN 1.4401 AISI 316 Material code: A Material code: A Size of unlet connection: DIN 25/32 Size of inlet connection: DIN 25/32 Pressure rating for pipe PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: E | Technical: | | 300 | 80 % |
| Rated flow: Rated head: Backer in a signed of the signed | Rated pump speed: | 3452 rpm | | 70.9/ |
| Rated head: Head max: Head max: | | • | 250 - | 10 % |
| Stages: 17 Impellers: 17 Number of reduced-diameter 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: N Materials: Base: Ease: Stainless steel EN 1: 4408 AISI 316 Impeller: Stainless steel EN 1: 4401 AISI 316 Material code: A Code for rubber: E Eearing: SIC Instalation: Maximum operating pressure: Maximum operating ressure: 363 psi / 250 °F Maximum operating ressure: 363 psi / 250 °F Type of connection: DN 25/32 Flange rating inlet: 300 lb Flange rating inlet: 300 lb Flange rating inlet: 300 lb Flange rating inlet: 56C Connect code: FGJ | Rated head: | | 200 - | 60 % |
| Stages: 17 Impellers: 17 Number of reduced-diameter 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: N Materials: Base: Ease: Stainless steel EN 1: 4408 AISI 316 Impeller: Stainless steel EN 1: 4401 AISI 316 Material code: A Code for rubber: E Eearing: SIC Instalation: Maximum operating pressure: Maximum operating ressure: 363 psi / 250 °F Maximum operating ressure: 363 psi / 250 °F Type of connection: DN 25/32 Flange rating inlet: 300 lb Flange rating inlet: 300 lb Flange rating inlet: 300 lb Flange rating inlet: 56C Connect code: FGJ | Head max: | | 150 | |
| Impellers: 17 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: N Model: A Materials: Base: EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4408 AISI 316 Impeller: E Stainless steel EN 1.4401 AISI 316 Impeller: E Base: Soluties steel EN 1.4408 Material code: A Material code: A Material code: A Maximum ambient temperature: 362.59 psi Maximum operating pressure: 362.59 psi Maximum operating pressure: 362.59 psi Maximum operating pressure: 362.59 psi Maximum operating pressure: 363 psi / 4 °F Type of connection: DN 25/32 Size of inute connection: DN 25/32 Size of outlet connection: DN 25/32 Fressure rating for pipe connection: DN 25/32 Fressure rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: U | Stages: | | | 50 % |
| Number of reduced-diameter impellers:0Low NPSH:NPump orientation:VerticalShaft seal:HQQECode for shaft seal:HQQEApprovals on nameplate:CURUS,NSF61Curve tolerance:ISO9906:2012 3BPump version:NModel:AMaterials:Base:Base:Stainless steelEN 1.4401AISI 316Impeller:Stainless steelEN 1.4401AISI 316Material code:ACode for rubber:EBearing:SICInstallation:Max pressure at statedMax pressure at statedgas psi / 250 °F363 psi / 260 rinet connection:DN 25/32Size of inlet connection:Pressure rating inlet:120 connection:Pressure rating inlet:120 connection: <td< td=""><td></td><td></td><td> 100 -</td><td>40 %</td></td<> | | | 100 - | 40 % |
| 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: N Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: EN 1.4408 AISI 316 Impeller: EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: Max pressure at stated temperature: 363 psi / 250 °F Maximum ambient temperature: 122 °F Maximum ambient temperature: 122 °F Maximum ambient temperature: 122 °F Maximum operating pressure: 362.59 psi Max pressure at stated temperature: 363 psi / 250 °F Size of inlet connection: DIN 25/32 Pressure rating for pipe connection: DIN 25/32 Pressure rating for pipe connection: DIN 25/32 Pressure rating for pipe connection: DIN 25/32 Pressure rating inlet: 300 lb Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ | Number of reduced-diameter | | _ | 21 % |
| Pump version: Vertical HQQE Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Pump version: N Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4408 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: Max pressure at stated temperature: 363 psi / -4 °F Type of connection: DIN 25/32 Pressure rating for pipe connection: DIN 25/32 Pressure rating for pipe connection: DIN 25/32 Pressure rating inet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: | Low NPSH: | Ν | 0 | |
| Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Pump version: N Model: A Materials: Base: Ease: Stainless steel Environment EN 1.4408 AlSI 316 Impeller: Material code: A Code for rubber: E Bearing: SIC Installation: SIC Maximum ambient temperature: 122 °F Maximum operating pressure: 363 psi / 250 °F Maximum operating pressure: 363 psi / 250 °F Max pressure at stated temperature: 363 psi / 250 °F Max pressure at stated temperature: 363 psi / 250 °F Size of inlet connection: DN 25/32 Size of inlet connection: DN 25/32 Pressure rating for pipe connection: DN 25/32 Pressure rating inlet: 300 lb Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ | Pump orientation: | Vertical | P2 (HP1 | NPSH [ft] |
| Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Pump version: N Model: A Materials: Base: Base: Stainless steel EN 1.44008 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: 122 °F Maximum ambient temperature: 363 psi / 250 °F Maximum ambient temperature: 363 psi / 250 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Size of outlet connection: DN 25/32 Size of outlet connection: DN 25/32 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: FGJ | • | | [] | |
| Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Pump version: N Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Impeller: E Bearing: SIC Installation: Maximum ambient temperature: 122 °F Maximum operating pressure: 362.59 psi Max pressure at stated temperature: 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: | - | | 2 - | - 20 |
| Curve tolerance: ISO9906:2012 3B Pump version: N Model: A Materials: Ease: Ease: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: SIC Maximum ambient temperature: 122 °F Maximum operating pressure: 362.59 psi Max pressure at stated 363 psi / 250 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of outlet connection: DIN 25/32 Size of outlet connection: Pressure rating for pipe connection: DN 25/32 Size of outlet connection: DN 25/32 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Liquid: | | | | |
| Pump version: N Model: A Materials: End 1.4408 AISI 316 Inpeller: Stainless steel EN 1.4408 AISI 316 Inpeller: Stainless steel EN 1.4401 AISI 316 Inpeller: Base: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: SiC Max pressure at stated 363 psi / 250 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of outlet connection: DN 25/32 Pressure rating for pipe connection: Pressure rating for pipe connection: DN 25/32 Flange rating inlet: 300 lb Flange rating inlet: 300 lb Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Liquid: | | | | |
| Model: A Materials: Stainless steel Ease: Stainless steel AISI 316 Impeller: Material code: A Code for rubber: E Bearing: SIC Installation: SIC Installation: 363 psi / 250 °F Maximum ambient temperature: 363 psi / 250 °F 363 psi / 4 °F Type of connection: DN 25/32 DN 25/32 Pressure rating for pipe connection: DN 25/32 Pressure rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Liquid: | | | 1- | 10 |
| Materials: 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 Installation: 122 °F Maximum ambient temperature: 363 psi / 250 °F 363 psi / -4 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of nulte connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Liquid: | | | | |
| Base: EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: AISI 316 Material code: ASI 316 Material code: A Code for rubber: Bearing: SIC Installation: Maximum ambient temperature: 363 psi / 250 °F Maximum operating pressure: 363 psi / 250 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DIN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connect code: Flange size for motor: 56C Connect code: FGJ Liquid: Connect code: Connect code: Figure Taing inlet: State of indet connection: DN 25/32 Flange rating inlet: State of motor: State of motor: State of motor: Max pressure at stated Flange size for motor: State of motor: State | Materials: | | | |
| AISI 316Impeller:Stainless steelEN 1.4401AISI 316Material code:ACode for rubber:EBearing:SICInstallation:Maximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / 250 °F363 psi / 4 °FType of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Pressure rating for pipe connection:PN 25/32Flange rating inlet:300 lbFlange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid:Liquid: | Base: | Stainless steel | | |
| Impeller:Stainless steelEN 1.4401AISI 316Material code:ACode for rubber:EBearing:SICInstallation:Maximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / 250 °FSize of inlet connection:DIN / ANSI / JISSize of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid:Figl | | EN 1.4408 | | 6.22 |
| EN 1.4401AISI 316Material code:ACode for rubber:EBearing:SICInstallation:Maximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / 250 °F363 psi / -4 °FType of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid: | | AISI 316 | | |
| EN 1.4401AISI 316Material code:ACode for rubber:EBearing:SICInstallation:Maximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / 250 °F363 psi / -4 °FType of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid: | Impeller: | Stainless steel | | |
| Material code:ACode for rubber:EBearing:SICInstallation:Maximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / -4 °FType of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid: | | EN 1.4401 | | |
| Material code:ACode for rubber:EBearing:SICInstallation:Image: Sic | | AISI 316 | | |
| Bearing:SICInstallation:Image: SICMaximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / -4 °F363 psi / -4 °FType of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid:FGJ | Material code: | A | | |
| Bearing: SIC Installation: Maximum ambient temperature: Maximum operating pressure: 362.59 psi Max pressure at stated temperature: 363 psi / 250 °F 363 psi / 250 °F 363 psi / 250 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Pressure rating for pipe connection: DN 25/32 Pressure rating inlet: 300 lb Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Image: Size for motor: | Code for rubber: | E | 8 | |
| Maximum ambient temperature:122 °FMaximum operating pressure:362.59 psiMax pressure at stated temperature:363 psi / 250 °F363 psi / -4 °F363 psi / -4 °FType of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid:Image: Size for motor: | Bearing: | SIC | | |
| Maximum ambient temperature: 122 °F Maximum operating pressure: 362.59 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 outlet connection: DN 25/32 Pressure rating for pipe connection: DN 25/32 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Tupe of connection: | - | | 8 | |
| 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 outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: The state of | Maximum ambient temperature: | 122 °F | 14 | |
| temperature: 363 psi / 200 T 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: Image: Connection: | Maximum operating pressure: | 362.59 psi | | $ \begin{array}{c c} 5.91 \\ 9.84 \\ \hline 8.27 \\ \hline 4 \times 0.50 \\ \hline 8.27 \\ \hline \end{array} $ |
| Type of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid:Image: Connection: | Max pressure at stated temperature: | 363 psi / 250 °F | | |
| Type of connection:DIN / ANSI / JISSize of inlet connection:DN 25/32Size of outlet connection:DN 25/32Pressure rating for pipe connection:PN 25Flange rating inlet:300 lbFlange size for motor:56CConnect code:FGJLiquid:Image: Connection: | | 363 psi / -4 °F | | T |
| Size of inlet connection: DN 25/32 Size of outlet connection: DN 25/32 Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ | Type of connection: | | | |
| Pressure rating for pipe connection: PN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ Liquid: The second se | Size of inlet connection: | DN 25/32 | | |
| connection: FN 25 Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ | Size of outlet connection: | DN 25/32 | | |
| Flange rating inlet: 300 lb Flange size for motor: 56C Connect code: FGJ | connection: | PN 25 | - | |
| Connect code: FGJ Liquid: Image: Connect code: | Flange rating inlet: | 300 lb | | |
| Liquid: | Flange size for motor: | 56C | | |
| | | FGJ | | |
| | Liquid: | | | 1 300 |
| | Pumped liquid: | Water | | |
| | | | Ľ | |

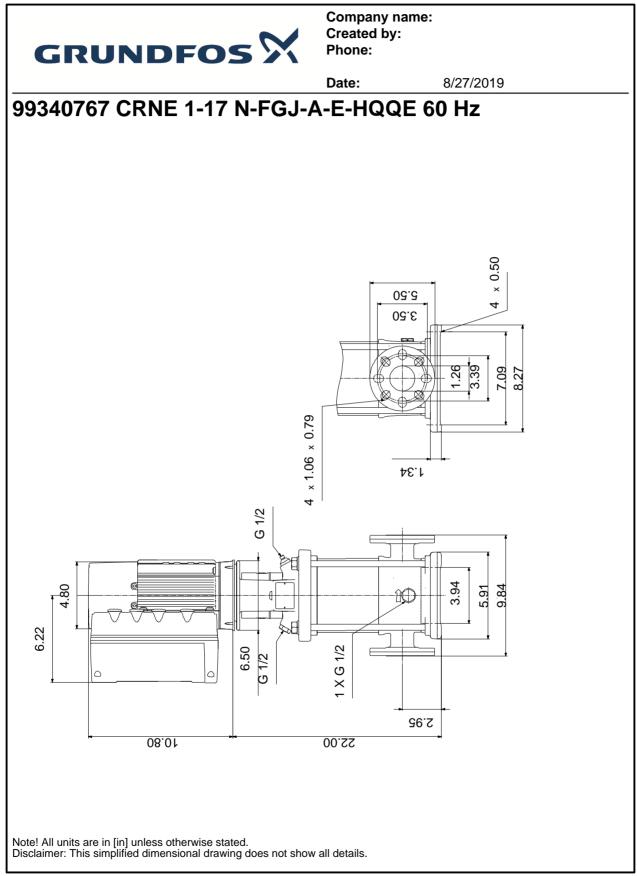
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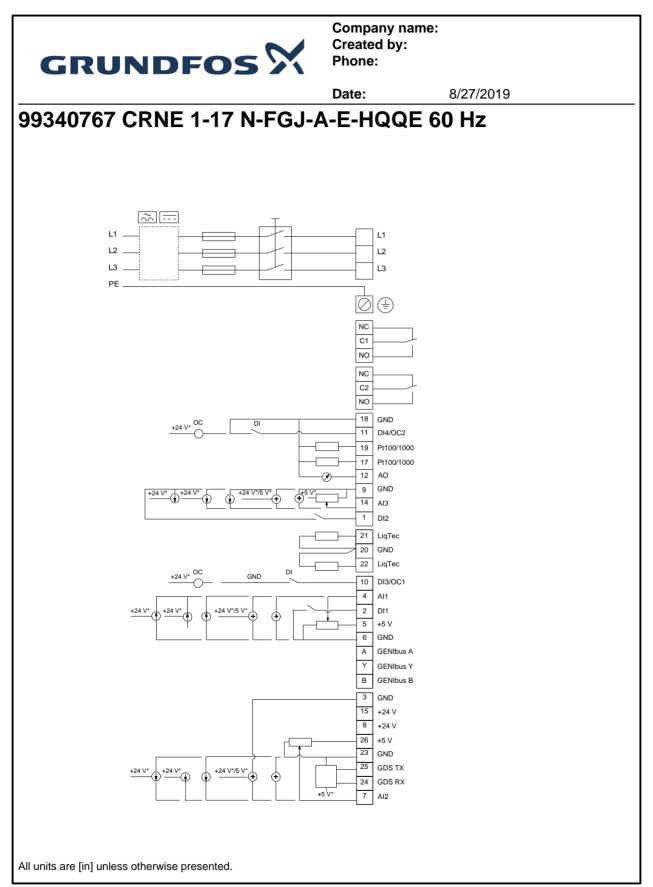


| | | Date: | 8/27/2019 | |
|--------------------------------|--------------------------|-------|-----------|--|
| Description | Value | | | |
| Liquid temperature range: | -4 248 °F | | | |
| Selected liquid temperature: | 68 °F | | | |
| Density: | 62.29 lb/ft ³ | | | |
| Electrical data: | | | | |
| Motor standard: | NEMA | | | |
| Motor type: | 90C | | | |
| IE Efficiency class: | IE5 | | | |
| Rated power - P2: | 2 HP | | | |
| Power (P2) required by pump: | 2 HP | | | |
| Main frequency: | 60 Hz | | | |
| Rated voltage: | 3 x 440-480 V | | | |
| Service factor: | 1.15 | | | |
| Rated current: | 2.65 A | | | |
| Cos phi - power factor: | 0.87 | | | |
| Rated speed: | 360-4000 rpm | | | |
| IE efficiency: | 89.4% | | | |
| Motor efficiency at full load: | 89.4 % | | | |
| Enclosure class (IEC 34-5): | IP55 | | | |
| Insulation class (IEC 85): | F | | | |
| Motor protection: | YES | | | |
| Motor Number: | 98362281 | | | |
| Controls: | | | | |
| Control panel: | Graphical | | | |
| Function Module: | FM300 - Advanced | | | |
| Frequency converter: | Built-in | | | |
| Pressure sensor: | Y | | | |
| Others: | | | | |
| Net weight: | 81 lb | | | |
| Gross weight: | 95.5 lb | | | |
| Shipping volume: | 8.26 ft ³ | | | |



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