
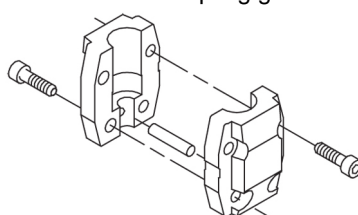
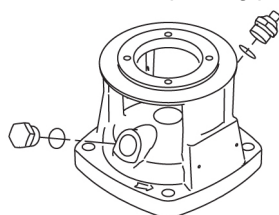
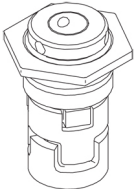
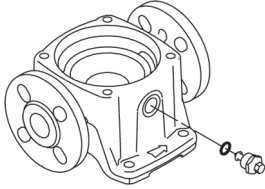
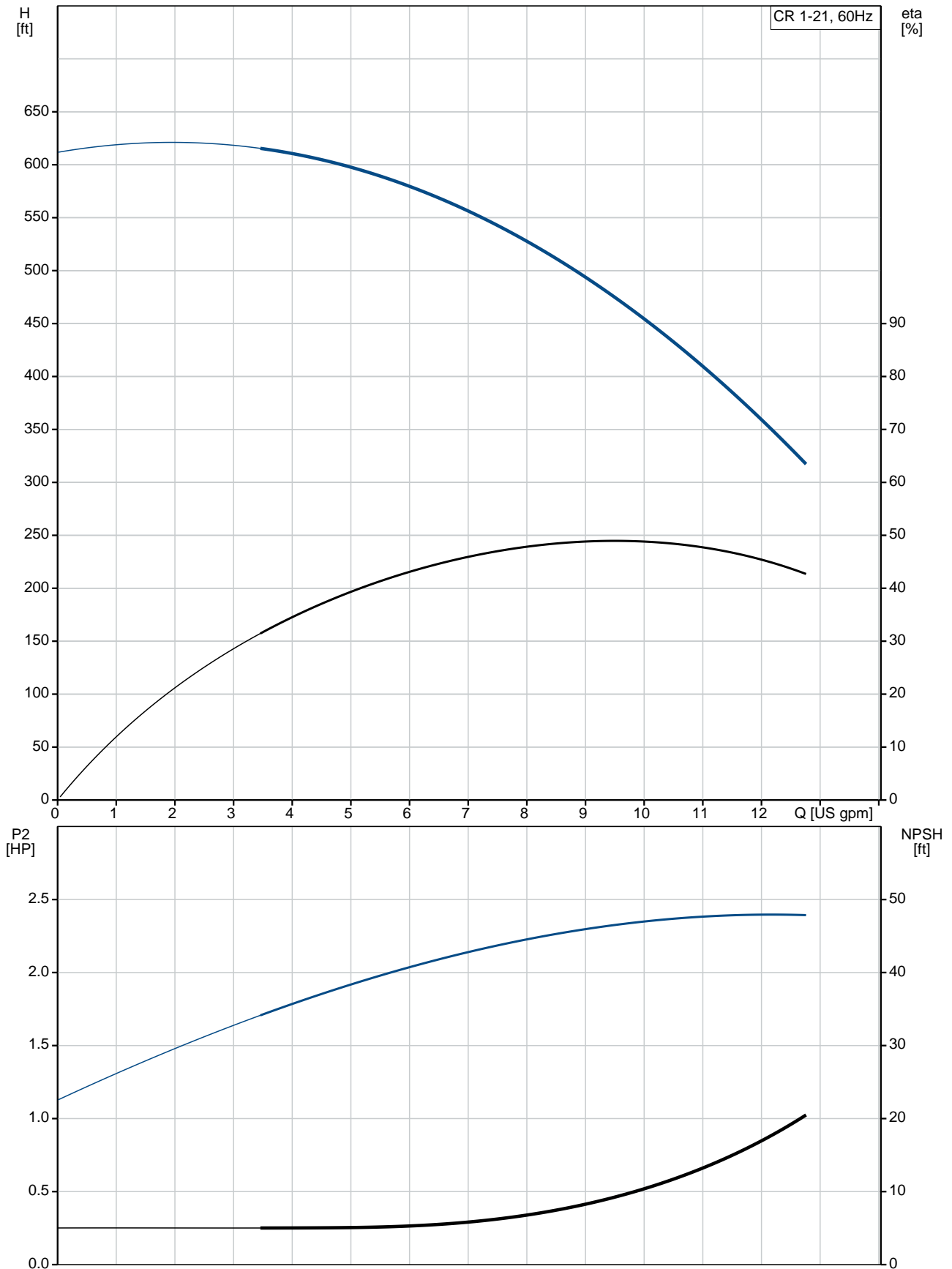


| Count | Description |
|-------|---|
| 1 | <p>CR 1-21 A-FGJ-A-E-HQQE</p>  <p>Product No.: 96082140</p> <p>Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via combined DIN-ANSI-JIS flanges.</p> <p>The pump is fitted with a 1-phase, fan-cooled asynchronous motor.</p> <p>Further product details</p> <p>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:</p> <ol style="list-style-type: none"> 1) Alkaline-based cleaning. 2) Zinc phosphating. 3) Cathodic electro-deposition. 4) Curing to a dry film thickness 18-22 my m. <p>The colour code for the finished product is NCS 9000/RAL 9005.</p> <p>Pump</p> <p>A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor stool by means of two coupling guards.</p>  <p>The pump head, pump head cover and flange for motor mounting is made in one piece. The pump head has a combined 1/2" priming plug and vent screw.</p>  <p>The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy. Due to the balancing, this seal type is suitable for high-pressure applications. The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal.</p> <p>Primary seal:</p> <ul style="list-style-type: none"> • Rotating seal ring material: silicon carbide (SiC) • Stationary seat material: silicon carbide (SiC) |

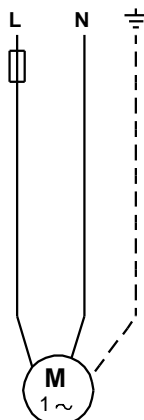
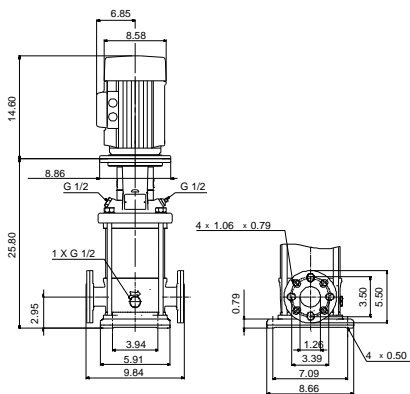
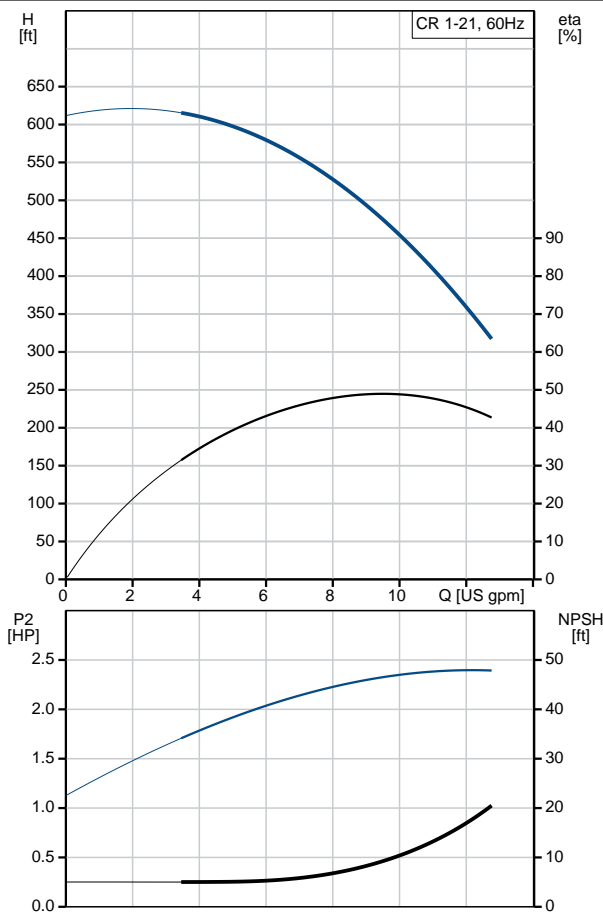
| Count | Description |
|-------|---|
| | <p>This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.</p> <p>Secondary seal material: EPDM (ethylene-propylene rubber)</p> <p>EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.</p>  <p>The shaft seal is screwed into the pump head.</p> <p>The pump has a special air-cooled shaft-seal chamber generating the same insulation effect as that of a vacuum flask. No external cooling is necessary; the ambient temperature is sufficient. An automatic vent vents the pump seal chamber.</p> <p>The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.</p> <p>The base is made of cast iron. The flanges and base are cast in one piece. The outlet side of the base has a combined drain plug and bypass valve. The pump is secured to the foundation by four bolts through the base plate.</p>  <p>Motor</p> <p>The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with tapped-hole flange (FT).</p> <p>Motor-mounting designation in accordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (Code II).</p> <p>Electrical tolerances comply with IEC 60034.</p> <p>The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I₁/1).</p> <p>The motor has built-in thermal protection (PTO current and temperature sensors) in accordance with IEC 60034-11 and requires no further motor protection. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.</p> <p>As the thermal protection incorporates automatic reset, the motor must be connected in a way which ensures that the automatic reset cannot cause accidents.</p> <p>Technical data</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -4 .. 248 °F</p> <p>Selected liquid temperature: 68 °F</p> <p>Density: 62.29 lb/ft³</p> <p>Technical:</p> <p>Rated pump speed: 3457 rpm</p> <p>Rated flow: 9.69 US gpm</p> |

| Count | Description |
|-------|---|
| | <p>Rated head: 464.9 ft</p> <p>Pump orientation: Vertical</p> <p>Shaft seal arrangement: Single</p> <p>Code for shaft seal: HQQE</p> <p>Approvals on nameplate: CURUS, NSF61</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p>Materials:</p> <p>Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B</p> <p>Impeller: Stainless steel EN 1.4301 AISI 304</p> <p>Bearing: SIC</p> <p>Installation:</p> <p>Maximum ambient temperature: 104 °F</p> <p>Maximum operating pressure: 362.59 psi</p> <p>Max pressure at stated temperature: 363 psi / 250 °F 363 psi / -4 °F</p> <p>Type of connection: DIN / ANSI / JIS</p> <p>Size of inlet connection: DN 25/32</p> <p>Size of outlet connection: DN 25/32</p> <p>Pressure rating for connection: PN 25</p> <p>Flange rating inlet: 250 lb</p> <p>Flange size for motor: 182TC</p> <p>Electrical data:</p> <p>Motor standard: NEMA</p> <p>Motor type: BALDOR</p> <p>Rated power - P2: 3 HP</p> <p>Power (P2) required by pump: 3 HP</p> <p>Main frequency: 60 Hz</p> <p>Rated voltage: 1 x 115/208-230 V</p> <p>Service factor: 1.15</p> <p>Rated current: 29/16-14,5 A</p> <p>Rated speed: 3450 rpm</p> <p>Number of poles: 2</p> <p>Insulation class (IEC 85): F</p> <p>Motor Number: 84Z04014</p> <p>Controls:</p> <p>Frequency converter: NONE</p> <p>Others:</p> <p>Net weight: 133 lb</p> <p>Gross weight: 151 lb</p> <p>Shipping volume: 10.1 ft³</p> <p>Country of origin: US</p> <p>Custom tariff no.: 8413.70.2040</p> |

96082140 CR 1-21 A-FGJ-A-E-HQQE 60 Hz



| Description | Value |
|---------------------------------------|---|
| General information: | |
| Product name: | CR 1-21 A-FGJ-A-E-HQQE |
| Product No.: | 96082140 |
| EAN: | 5700395168785 5700395168785 |
| Technical: | |
| Rated pump speed: | 3457 rpm |
| Rated flow: | 9.69 US gpm |
| Rated head: | 464.9 ft |
| Maximum head: | 617.5 ft |
| Stages: | 21 |
| Impellers: | 21 |
| 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 |
| Materials: | |
| 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: | E |
| Bearing: | SIC |
| Installation: | |
| Maximum ambient temperature: | 104 °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 connection: | PN 25 |
| Flange rating inlet: | 250 lb |
| Flange size for motor: | 182TC |
| Connect code: | FGJ |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -4 .. 248 °F |
| Selected liquid temperature: | 68 °F |
| Density: | 62.29 lb/ft³ |
| Electrical data: | |
| Motor standard: | NEMA |
| Motor type: | BALDOR |
| Rated power - P2: | 3 HP |
| Power (P2) required by pump: | 3 HP |
| Main frequency: | 60 Hz |
| Rated voltage: | 1 x 115/208-230 V |
| Service factor: | 1.15 |





Company name:

Created by:

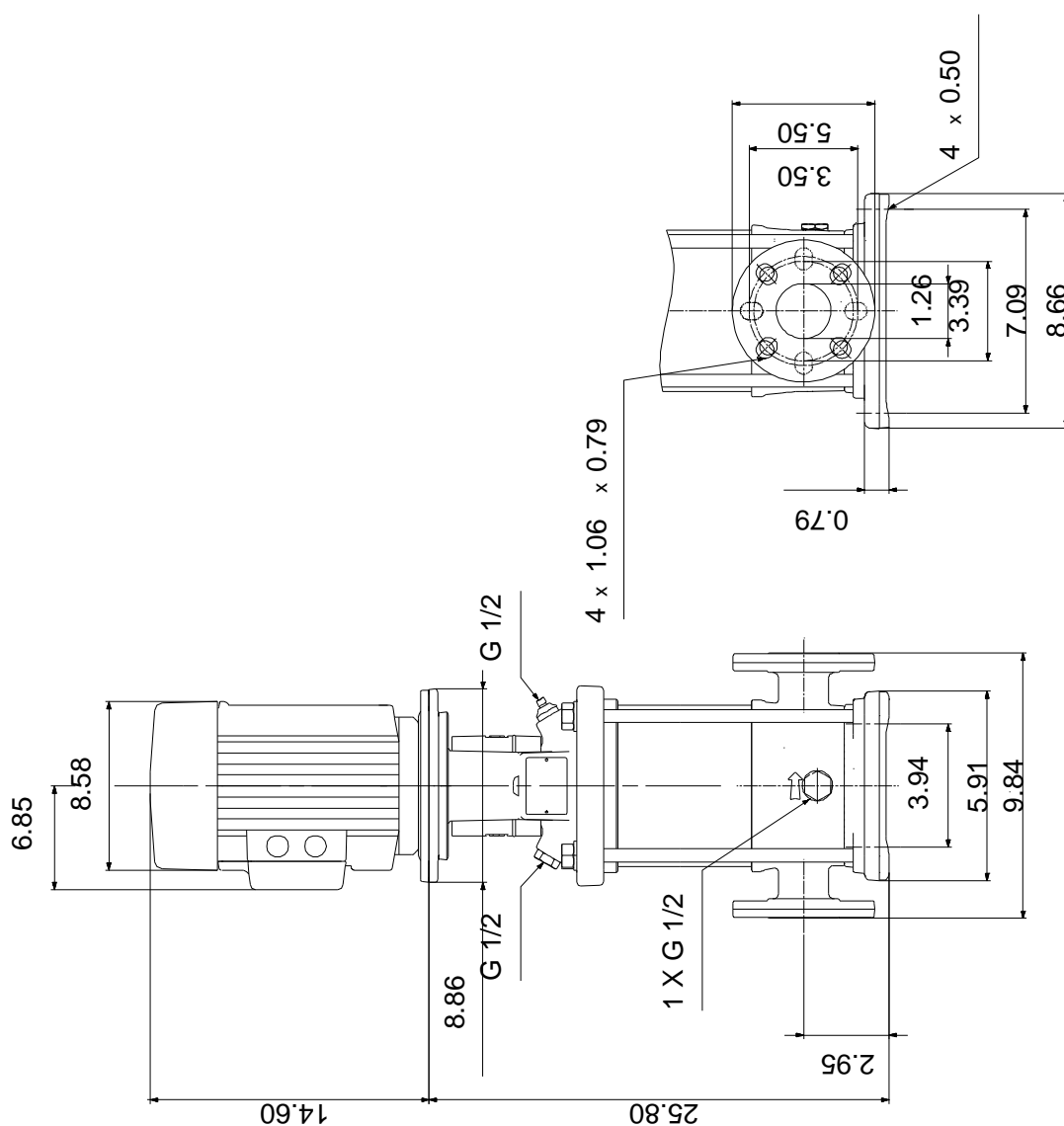
Phone:

Date:

4/16/2020

| Description | Value |
|----------------------------|----------------|
| Rated current: | 29/16-14,5 A |
| Load current: | 31,8/18-16,9 A |
| Rated speed: | 3450 rpm |
| Number of poles: | 2 |
| Insulation class (IEC 85): | F |
| Motor protection: | NONE |
| Motor Number: | 84Z04014 |
| Controls: | |
| Frequency converter: | NONE |
| Others: | |
| Net weight: | 133 lb |
| Gross weight: | 151 lb |
| Shipping volume: | 10.1 ft³ |
| Country of origin: | US |
| Custom tariff no.: | 8413.70.2040 |

96082140 CR 1-21 A-FGJ-A-E-HQQE 60 Hz



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

Disclaimer: This simplified dimensional drawing does not show all details.

96082140 CR 1-21 A-FGJ-A-E-HQQE 60 Hz



All units are [in] unless otherwise presented.