

Submittal Data

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



Product photo could vary from the actual product

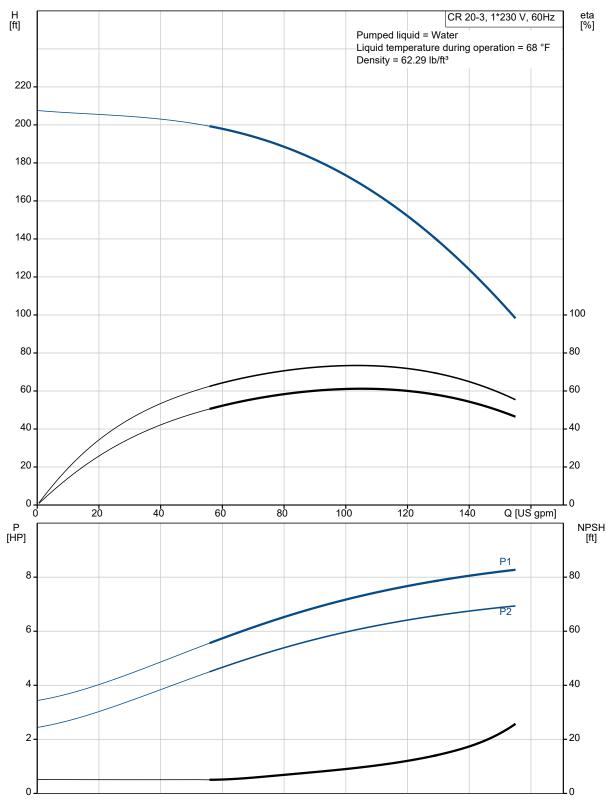
CR 20-3 A-GJ-A-V-HQQV

Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)(AISI 304)

| Conditions of Service | Pump Data | | Motor Data | |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Efficiency: Liquid: Water Temperature: 68 °F NPSH required: ft Specific Gravity: 1.000 | Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number: | 232 psi / 194 °F -4 194 °F 104 °F HQQV 99917732 | Rated power - P2: Rated voltage: Main frequency: Enclosure class: Insulation class: Motor protection: Motor type: Eff. 1/1: | 7.5 HP 208-230 V 60 Hz IP55 F NONE WEG 84.0 % |

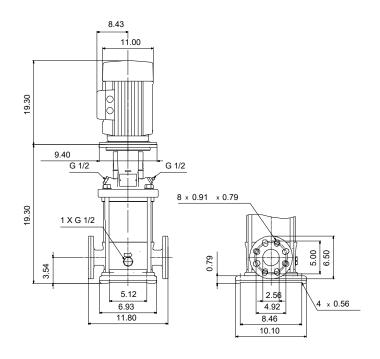
Submittal Data





Submittal Data





Materials:

Base: Cast iron Base: EN 1561 EN-GJL-200 Base: ASTM A48-25B Impeller: Stainless steel Impeller: AISI 304 Impeller: EN 1.4301 Material code: А Code for rubber: V





Product No.: 99917732

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 ANSI-JIS flanges.

12/13/2021

The pump is fitted with a 1-phase, fan-cooled asynchronous motor.

Further product details

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.

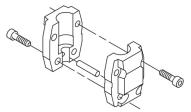
3) Cathodic electro-deposition.

4) Curing to a dry film thickness 18-22 my m.

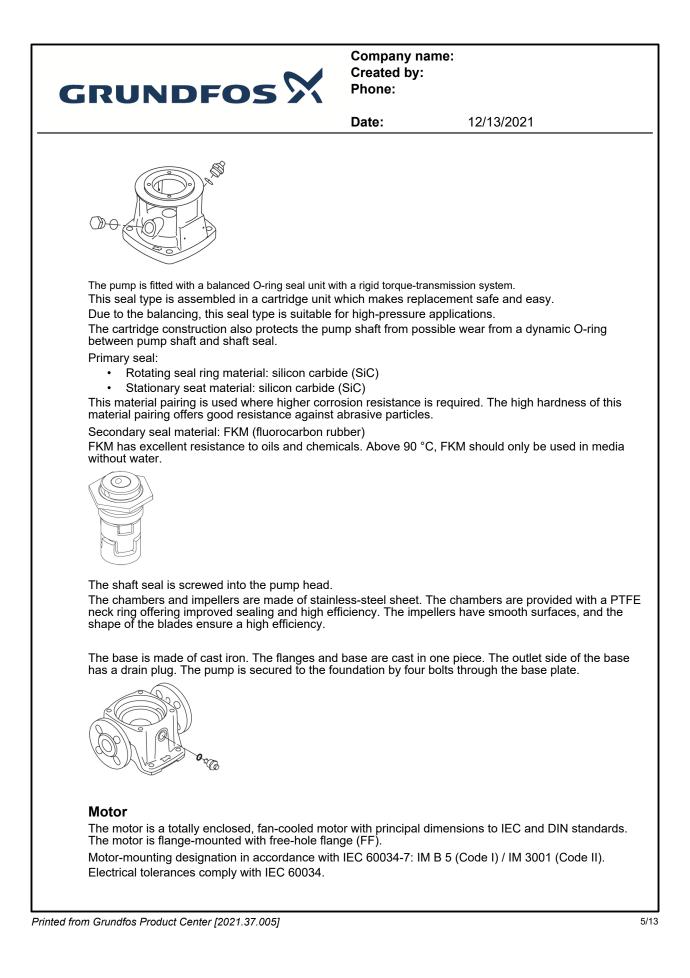
The colour code for the finished product is NCS 9000/RAL 9005.

Pump

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.



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.





Company name: Created by: Phone:

Date:

12/2

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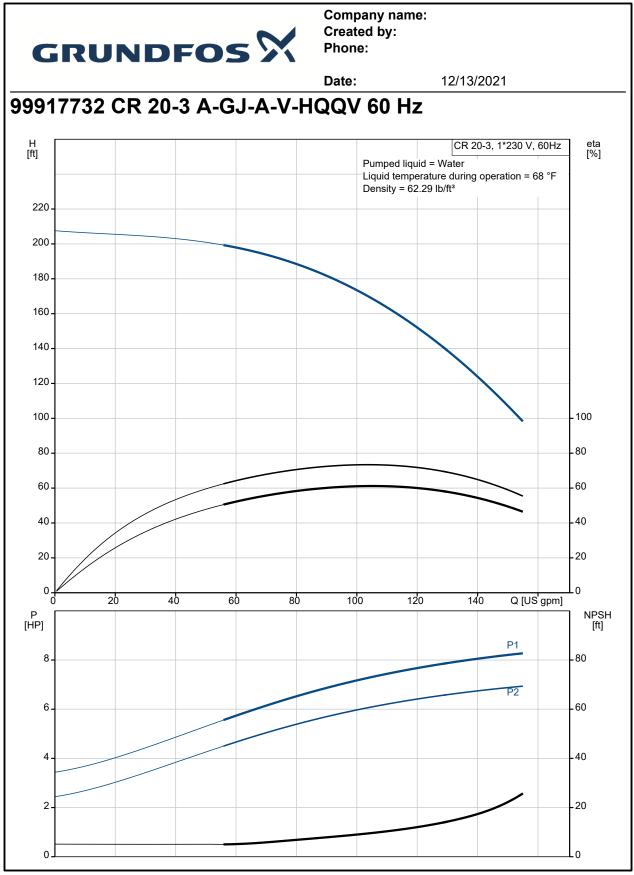
| | | = • | | | |
|-------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------|----------------|
| Count | Description | | | | |
| | The motor does not incorporate breaker which can be manually r rated current of the motor (I1/1). | notor protection and must be connected to a motor-protective circuit eset. The motor-protective circuit breaker must be set according to the | | | |
| | The motor has built-in thermal pr 60034-11 and requires no furthe temperatures, e.g. constant over | r motor protection. TI | ne protection rea | re sensors) in accordance wit acts to both slow- and quick-ris | th IEC sing |
| | As the thermal protection incorpo ensures that the automatic reset | orates automatic rese cannot cause accide | et, the motor mu ents. | st be connected in a way whic | h |
| | Technical data | | | | |
| | Liquid: | | | | |
| | Pumped liquid: | Water | | | |
| | Liquid temperature range: | -4 194 °F | | | |
| | Selected liquid temperature: | 68 °F | | | |
| | Density: | 62.29 lb/ft ³ | | | |
| | Technical: | | | | |
| | Rated pump speed: | 3508 rpm | | | |
| | Rated flow: | 111 US gpm | | | |
| | Rated head: | 159.1 ft | | | |
| | Actual impeller diameter: | 4.13 in | | | |
| | Pump orientation: | Vertical | | | |
| | Shaft seal arrangement: | Single | | | |
| | Code for shaft seal: | HQQV | | | |
| | Approvals: | CURUS | | | |
| | Curve tolerance: | ISO9906:2012 3B | | | |
| | Materials: | | | | |
| | Base: | Cast iron | | | |
| | | EN 1561 EN-GJL-2 | 200 | | |
| | | ASTM A48-25B | | | |
| | Impeller: | Stainless steel | | | |
| | | EN 1.4301 | | | |
| | | AISI 304 | | | |
| | Bearing: | SIC | | | |
| | Installation: | | | | |
| | t max amb: | 104 °F | | | |
| | Maximum operating pressure: | 232.06 psi | | | |
| | Max pressure at stated temperat | ture: 232 psi / 194 232 psi / -4 °F | | | |
| | Type of connection: | ANSI / JIS | | | |
| | Size of inlet connection: | DN 50 | | | |
| | Size of outlet connection: | DN 50 | | | |
| | Pressure rating for connection: | PN 25 | | | |
| | Flange rating inlet: | 250 lb | | | |
| | Flange size for motor: | 213TC | | | |
| | Electrical data: | | | | |
| | | | | | |

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Company name: Created by: Phone:

| Count Description Motor standard: NEMA Motor type: WEG Rated power - P2: 7.5 HP Power (P2) required by pump: 7.5 HP Main frequency: 60 Hz Rated voltage: 1 x 208-230 V Service factor: 1.15 Rated voltage: 31.7-38.8 A Starting current: 710-710 % Cos phi - power factor: 0.99 Rated speed: 3515 rpm IE efficiency: 84.0% Motor efficiency at full load: 84.0% Motor efficiency at 1/2 load: 78.5 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 45): F Motor Number: 99883305 Controls: Frequency converter: Frequency converter: NONE Others: DOE Pump Energy Index CL: 0.91 Net weight: 249 lb Gross weight: 335 lb Shipping volume: 13.1 ft ⁹ Country of origin: |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motor type:WEGRated power - P2:7.5 HPPower (P2) required by pump:7.5 HPMain frequency:60 HzRated voltage:1 x 208-230 VService factor:1.15Rated current:31.7-38.8 AStarting current:710-710 %Cos phi - power factor:0.99Rated speed:3515 rpmIE efficiency:84.0%Motor efficiency at full load:84.0%Motor efficiency at J/2 load:78.5 %Number of poles:2Enclosure class (IEC 34-5):IP55Insulation class (IEC 85):FMotor Number:99883305Controls:Frequency converter:Frequency converter:NONEOthers:0.91DOE Pump Energy Index CL:0.91Net weight:249 lbGross weight:335 lbShipping volume:13.1 ft ³ Country of origin:US |
| |





Description

Product name:

Product No .:

Technical:

Rated flow:

Rated head:

Stages:

Impellers:

impellers:

Low NPSH:

Approvals:

Model:

Base: Base:

Impeller:

Impeller:

Impeller: Material code:

Bearing: Installation: t max amb:

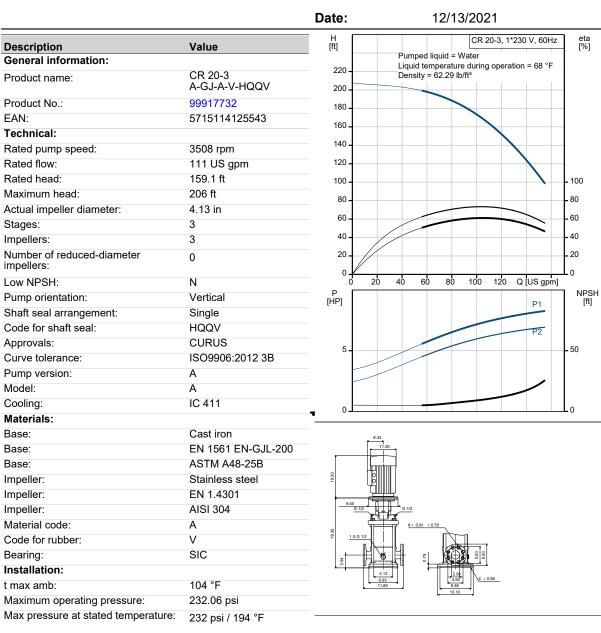
Cooling:

Materials: Base:

Pump version:

EAN:

Company name: Created by: Phone:



T5

T1

T1- BLUE

T8-RED

7P2

T4-YELLOW

TO REVERSE

ROTATION

INTERCHANGE

T5 AND T8

T5-BLACK

7P2-BROWN

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Max pressure at stated temperature:

Type of connection:

Flange rating inlet:

Connect code:

Liquid:

Flange size for motor:

Size of inlet connection:

Size of outlet connection:

Pressure rating for connection:

232 psi / -4 °F

ANSI / JIS

DN 50

DN 50

PN 25

250 lb

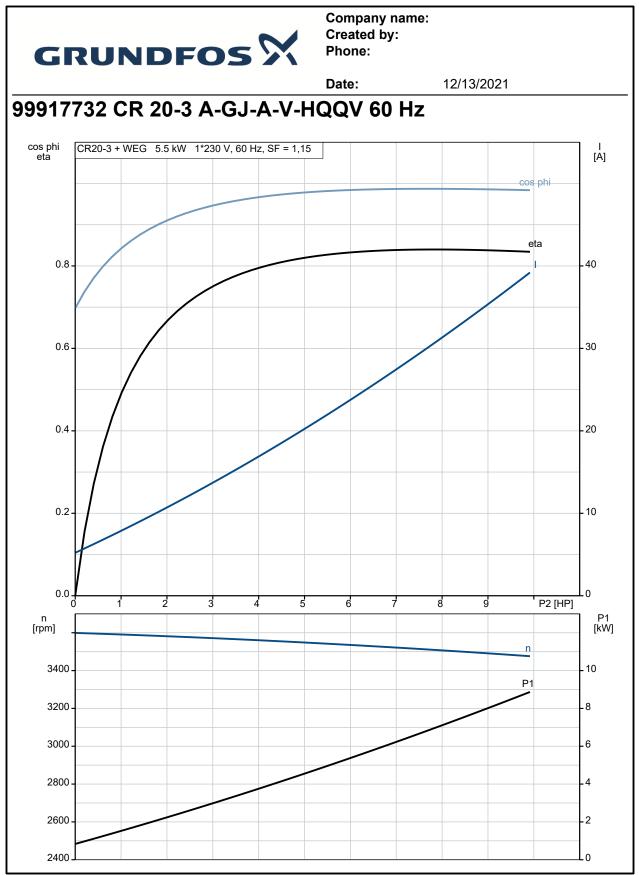
213TC

GJ



Company name: Created by: Phone:

| | | Date: | 12/13/2021 |
|--------------------------------|--------------------------|-------|------------|
| Description | Value | | |
| Pumped liquid: | Water | | |
| Liquid temperature range: | -4 194 °F | | |
| Selected liquid temperature: | 68 °F | | |
| Density: | 62.29 lb/ft ³ | | |
| Electrical data: | | | |
| Motor standard: | NEMA | | |
| Motor type: | WEG | | |
| Rated power - P2: | 7.5 HP | | |
| Power (P2) required by pump: | 7.5 HP | | |
| Main frequency: | 60 Hz | | |
| Rated voltage: | 1 x 208-230 V | | |
| Service factor: | 1.15 | | |
| Rated current: | 31.7-38.8 A | | |
| Starting current: | 710-710 % | | |
| Full load SF current: | 31.7/44.6 A | | |
| Cos phi - power factor: | 0.99 | | |
| Rated speed: | 3515 rpm | | |
| IE efficiency: | 84.0% | | |
| Motor efficiency at full load: | 84.0 % | | |
| Motor efficiency at 3/4 load: | 82.5 % | | |
| Motor efficiency at 1/2 load: | 78.5 % | | |
| Number of poles: | 2 | | |
| Enclosure class (IEC 34-5): | IP55 | | |
| Insulation class (IEC 85): | F | | |
| Built-in motor protection: | NONE | | |
| Motor Number: | 99883305 | | |
| Controls: | | | |
| Frequency converter: | NONE | | |
| Others: | | | |
| DOE Pump Energy Index CL: | 0.91 | | |
| Net weight: | 249 lb | | |
| Gross weight: | 335 lb | | |
| Shipping volume: | 13.1 ft³ | | |
| Country of origin: | US | | |
| Custom tariff no.: | 8413.70.2040 | | |



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