

# Submittal Data

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

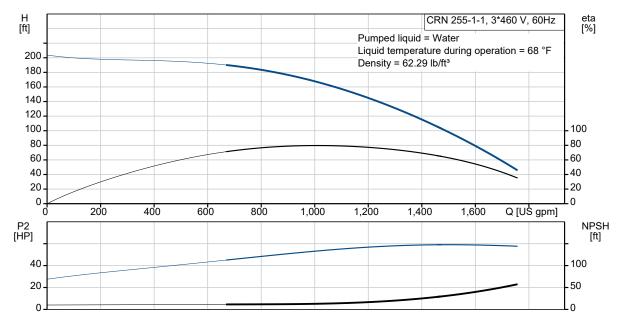


## CRN 255-1-1 A-G-A-E-HQQE

Vertical, multistage centrifugal pump with suction and discharge ports on the same level. Pump materials in contact with the liquid are in high-grade stainless steel (EN 1.4401)

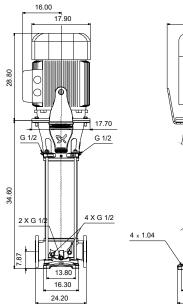
Product photo could vary from the actual product

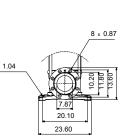
Conditions	of Service	Pump Data		Motor	Data
Efficiency: Liquid: Temperature: NPSH required: Specific Gravity:	Water 68 °F ft 1.000	Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:	-40 248 °F 104 °F HQQE 99145523	Rated power - P2: Rated voltage: Main frequency: Enclosure class: Insulation class: Motor protection: Motor type:	60 HP 208-230/460 V 60 Hz IP55 F NONE WEG
				Eff. 1/1:	93.6 %





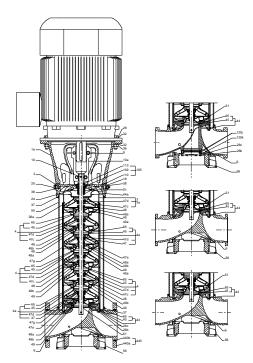
# Submittal Data





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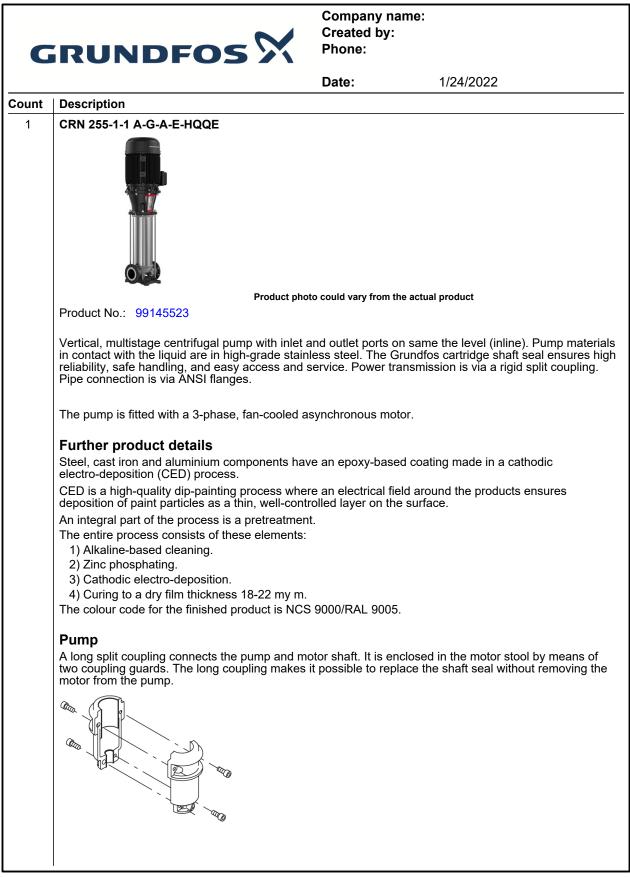
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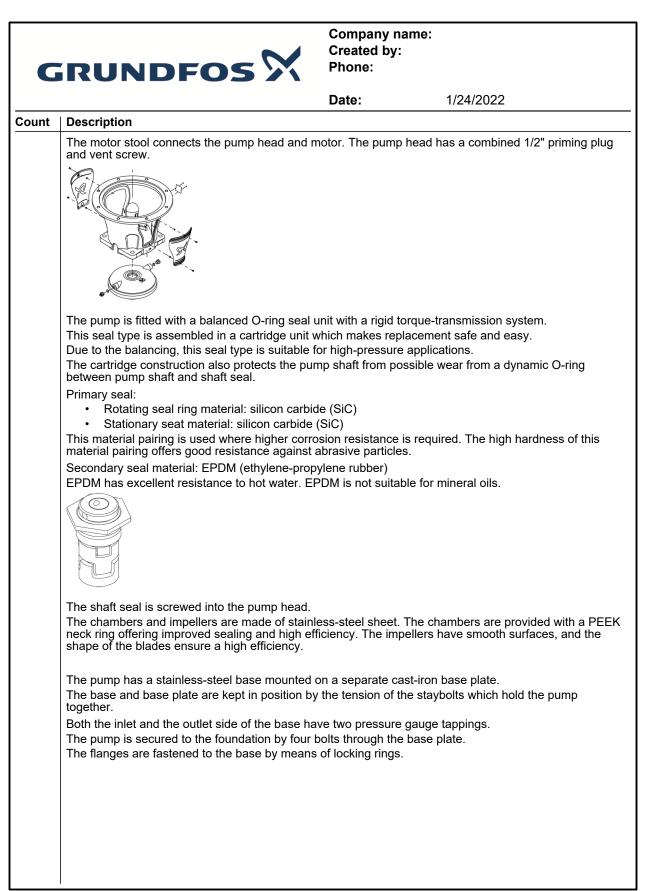


## Materials:

- Base: Base: Base: Impeller: Impeller: Impeller: Material code: Code for rubber:
- Stainless steel EN 1.4408 ASTM A351 CF8M Stainless steel AISI 316 EN 1.4401 A

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Company name: Created by: Phone:

Date:

1/24/2022



### Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with free-hole flange (FF).

Motor-mounting designation in accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as premium efficiency in accordance with EISA2007.

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).

A variable speed drive makes adjustment of pump performance to any duty point possible. If the motor is to be connected to a variable speed drive, the pump must be ordered with an electrically insulated motor bearing.

### Technical data

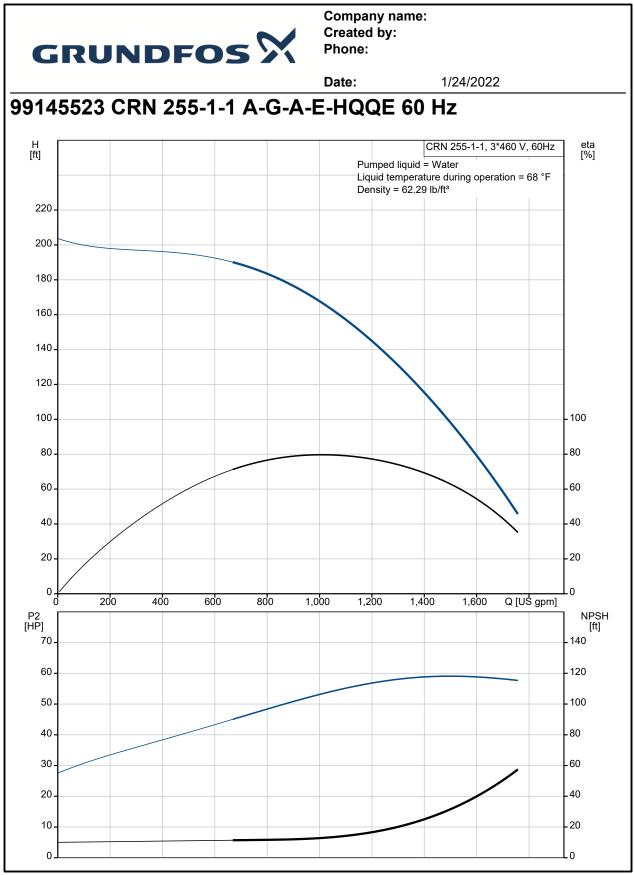
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -40 248 °F 68 °F 62.29 lb/ft³
Technical: Rated pump speed: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals for drinking water: Curve tolerance:	3550 rpm 1350 US gpm 141.7 ft Vertical Single HQQE NSF/ANSI 61,NSF/ANSI 372 ISO9906:2012 3B
Materials: Base: Impeller:	Stainless steel EN 1.4408 ASTM A351 CF8M Stainless steel EN 1.4401 AISI 316
Bearing:	WC/WC



Count

Company name: Created by: Phone:

Date: 1/24/2022 Description Material certified according to: European standards Installation: 104 °F t max amb: Maximum operating pressure: 232.06 psi Max pressure at stated temperature: 232 psi / 250 °F Type of connection: ANSI Size of suction port: 8 inch Size of outlet port: 8 inch Pressure rating for connection: 150 lb Flange size for motor: 364TSC Electrical data: Motor standard: NEMA Motor type: WEG IE Efficiency class: IE3 / NEMA Premium Rated power - P2: 60 HP Power (P2) required by pump: 60 HP Main frequency: 60 Hz Rated voltage: 3 x 208-230/460 V Service factor: 1.25 Rated current: 148-134/67 A Starting current: 660-660 % Cos phi - power factor: 0.90 Rated speed: 3560 rpm IE efficiency: IE3 93,6% Motor efficiency at full load: 93.6 % Motor efficiency at 3/4 load: 93 % Motor efficiency at 1/2 load: 91.7 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor Number: 99883253 Controls: Frequency converter: NONE Others: Net weight: 1420 lb Gross weight: 1780 lb Shipping volume: 87.8 ft<sup>3</sup> Thrust handling device: Ν





Company name: Created by: Phone:

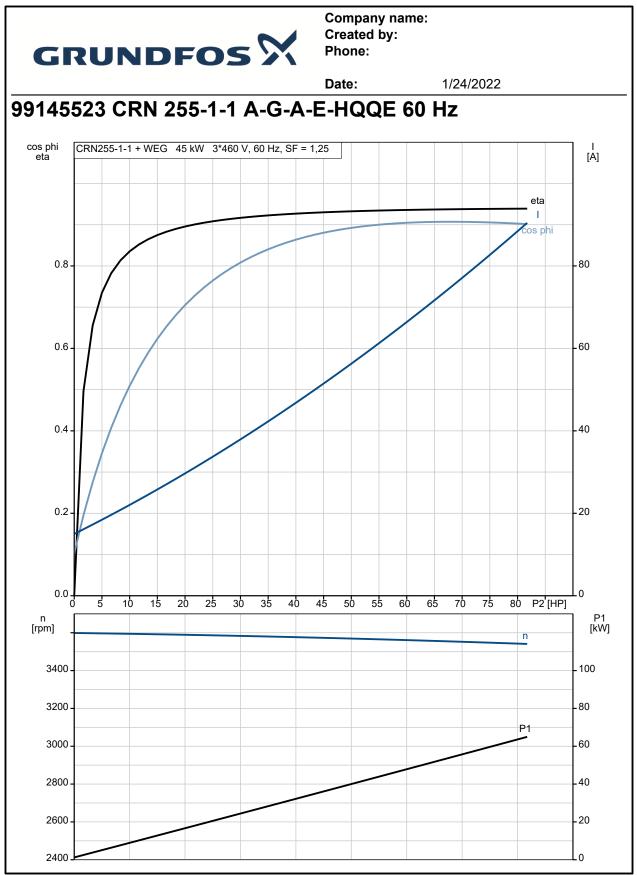
Description	Value	H [ft]	CRN 255-1-1, 3*460 V, 60Hz	eta [%]
General information:	Taluc		Pumped liquid = Water	
Product name:	CRN 255-1-1	220 -	Liquid temperature during operation = 68 °F Density = 62.29 lb/ft <sup>3</sup>	
	A-G-A-E-HQQE	200 -		_
Product No.:	99145523	180 -		
EAN:	5712607599423	160 -		
Technical:				
Rated pump speed:	3550 rpm	140 -		
Rated flow:	1350 US gpm	120 -		_
Rated head:	141.7 ft	100 -		100
Maximum head:	198.2 ft	80 -		80
Stages:	1	-		
Impellers:	1	60 -		- 60
Number of reduced-diameter impellers:	1	40 - 20 -		- 40 - 20
Low NPSH:	Ν	0		
Pump orientation:	Vertical	Ó	500 1,000 Q [US gpm]	-
Shaft seal arrangement:	Single	P2 [HP]		NPSH [ft]
Code for shaft seal:	HQQE	60 <b>-</b>		150
Approvals for drinking water:	NSF/ANSI 61,NSF/ANSI 372			
Curve tolerance:	ISO9906:2012 3B	40 -		100
Pump version:	Α			
Model:	A	20 -		- 50
Cooling:	IC 411			
Materials:		<b>8</b> 0 J		Lo
Base:	Stainless steel			
Base:	EN 1.4408	16.00	22.60	
Base:	ASTM A351 CF8M			
Impeller:	Stainless steel	23.80		
Impeller:	EN 1.4401			
Impeller:	AISI 316	G 12 0 %	<u><u><u>a</u>12</u></u>	
Material code:	Α			
Code for rubber:	E	31.62	8 * 0.87	
Bearing:	WC/WC	2 X G 1/2		
Material certified according to:	European standards			
Installation:		16.30 24.20		
t max amb:	104 °F			
Maximum operating pressure:	232.06 psi			
Max pressure at stated temperature:	232 psi / 250 °F	-		
Type of connection:	ANSI	>   ?		]T10
Size of suction port:	8 inch	( )		oT4
Size of outlet port:	8 inch	ر <b>38-</b> ر		ḋT7 . T1
Pressure rating for connection:	150 lb		T2 $\downarrow$ T3 $\downarrow$ T1 $\bigcirc$ $\uparrow$ T2 $\checkmark$ T3 $\checkmark$	γT1
Flange size for motor:	364TSC	L2	2 L3 L1   <sup>34</sup> ∆ L2 L3 I	_1
Connect code:	G			
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-40 248 °F			

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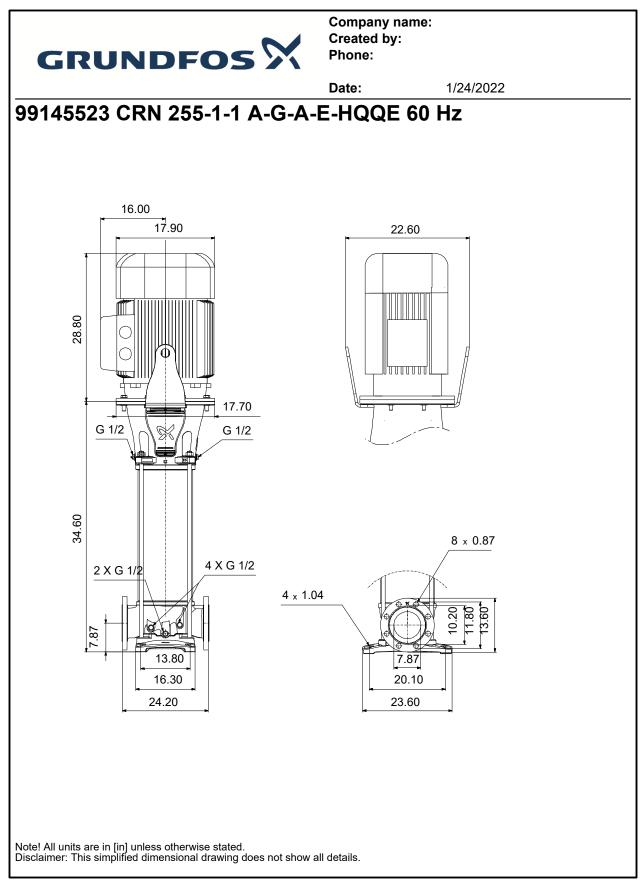


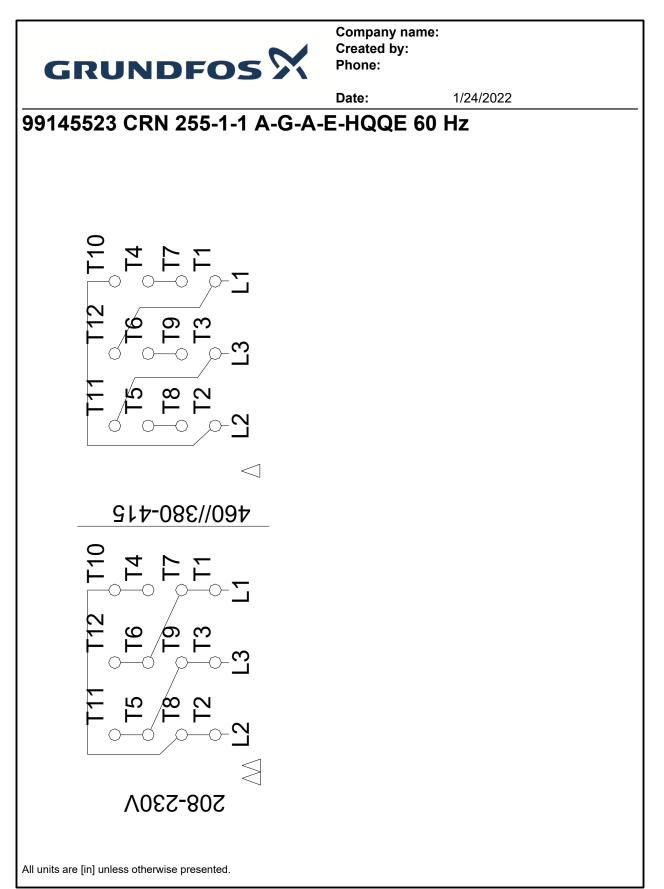
Company name: Created by: Phone:

		Date:	1/24/2022
Description	Value		
Selected liquid temperature:	68 °F		
Density:	62.29 lb/ft <sup>3</sup>		
Electrical data:			
Motor standard:	NEMA		
Motor type:	WEG		
IE Efficiency class:	IE3 / NEMA Premium		
Rated power - P2:	60 HP		
Power (P2) required by pump:	60 HP		
Main frequency:	60 Hz		
Rated voltage:	3 x 208-230/460 V		
Service factor:	1.25		
Rated current:	148-134/67 A		
Starting current:	660-660 %		
Full load SF current:	168/83.8 A		
Cos phi - power factor:	0.90		
Rated speed:	3560 rpm		
IE efficiency:	IE3 93,6%		
Motor efficiency at full load:	93.6 %		
Motor efficiency at 3/4 load:	93 %		
Motor efficiency at 1/2 load:	91.7 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor Number:	99883253		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	1420 lb		
Gross weight:	1780 lb		
Shipping volume:	87.8 ft <sup>3</sup>		
Thrust handling device:	Ν		



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