

Submittal Data

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

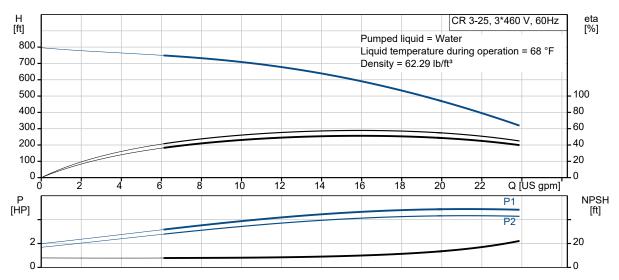


CR 3-25 A-FGJ-A-V-HQQV

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)

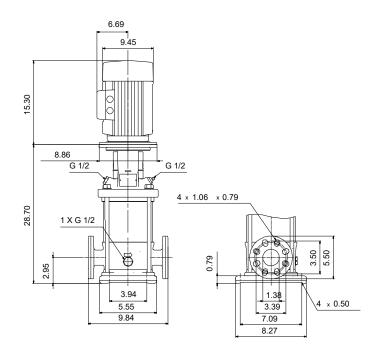
Product photo could vary from the actual product

Conditions	s of Service	Pump Data		Motor	Data
Efficiency:		Max pressure at stated temperature:	363 psi / 194 °F	Rated power - P2:	5 HP
Liquid:	Water	Liquid temperature range:	-4 194 °F	Rated voltage:	208-230/460 V
Temperature:	68 °F	Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
NPSH required:	ft	Approvals:	CURUS	Enclosure class:	IP55
Specific Gravity:	1.000	Shaft seal:	HQQV	Insulation class:	F
		Product number:	99916374	Motor protection:	NONE
				Motor type:	WEG
				Eff. 1/1:	88.5 %



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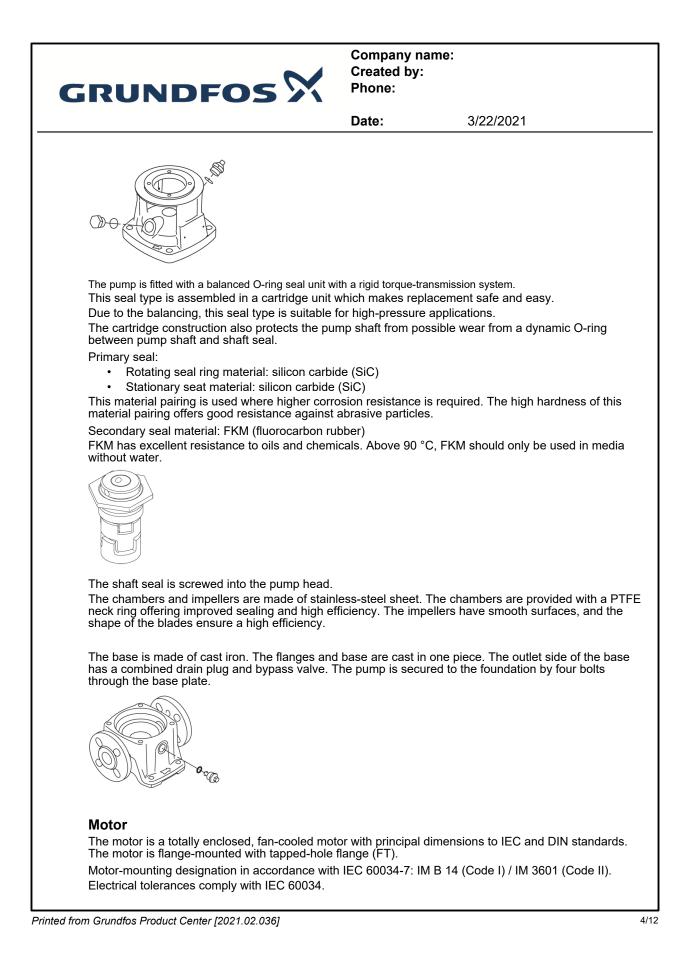


Materials:

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



	Date: 3/22/2021
Count	Description
1	CR 3-25 A-FGJ-A-V-HQQV
	Product No.: 99916374
	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.
	The pump is fitted with a 3-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.



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Date:

3

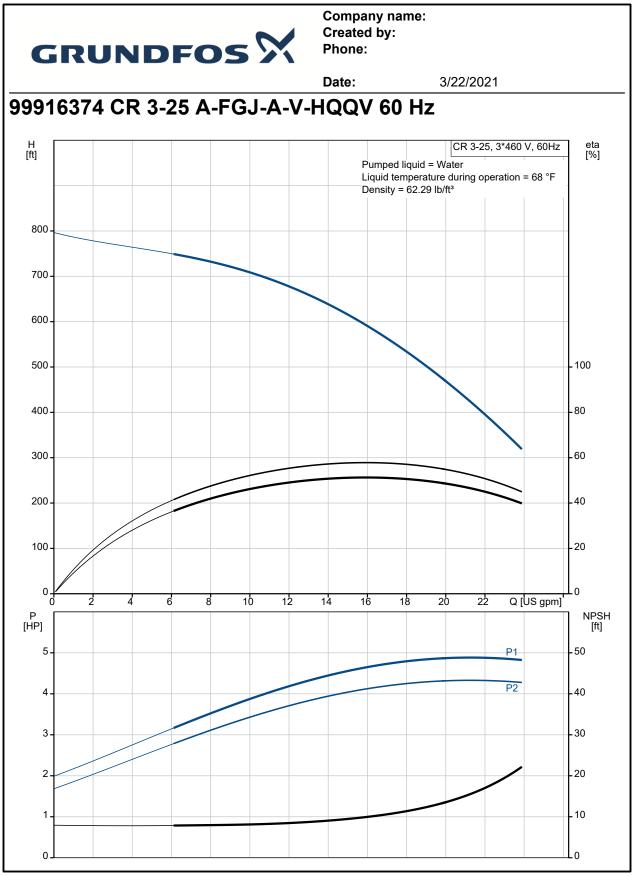
3/22/2021

:	Description				
1	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 (11/1).				
	The motor can be connected to a point. Grundfos CUE offers a ran Product Center.	a variable speed drive for adjustment of pump performance to any dut nge of variable speed drives. Please find more information in Grundfos			
	Technical data				
	Liquid:				
l	Pumped liquid:	Water			
	Liquid temperature range:	-4 194 °F			
	Selected liquid temperature:	68 °F			
	Density:	62.29 lb/ft ³			
	Technical:				
	Rated pump speed:	3461 rpm			
	Rated flow:	15.4 US gpm			
	Rated head:	588.3 ft			
	Pump orientation:	Vertical			
	Shaft seal arrangement:	Single			
	Code for shaft seal:	HQQV			
	Approvals on nameplate:	CURUS			
	Curve tolerance:	ISO9906:2012 3B			
	Materials:				
	Base:	Cast iron			
		EN 1561 EN-GJL-200			
		ASTM A48-25B			
	Impeller:	Stainless steel			
		EN 1.4301			
		AISI 304			
	Bearing:	SIC			
		SIC			
	Installation:				
	Maximum ambient temperature:				
	Maximum operating pressure:	362.59 psi			
	Max pressure at stated temperature: 363 psi / 194 °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			
	Electrical data:				
	Motor standard:	NEMA			
1					

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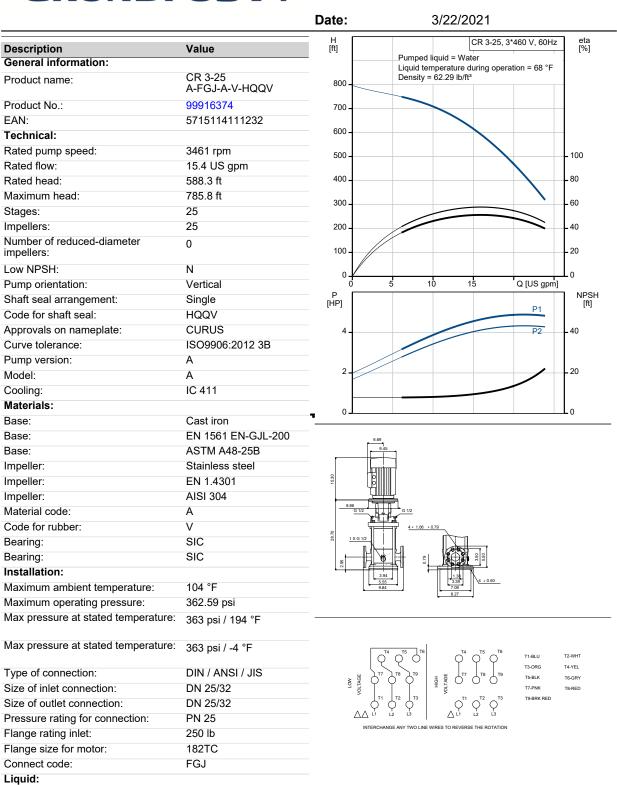


		Date:	3/22/2021
Count	Description		
	Motor type:	WEG	
	IE Efficiency class:	IE3 / NEMA Premium	
	Rated power - P2:	5 HP	
	Power (P2) required by pump:	5 HP	
	Main frequency:	60 Hz	
	Rated voltage:	3 x 208-230/460 V	
	Service factor:	1.15	
	Rated current:	13,1-11,8/5,9 A	
	Starting current:	780-780 %	
	Cos phi - power factor:	0.89	
	Rated speed:		
		3500 rpm	
	IE efficiency:	IE3 88,5%	
	Motor efficiency at full load:	88.5 %	
	Motor efficiency at 3/4 load:	88.5 %	
	Motor efficiency at 1/2 load:	87.5 %	
	Number of poles:	2	
	Enclosure class (IEC 34-5):	IP55	
	Insulation class (IEC 85):	F	
	Motor Number:	99882380	
	Controls:		
	Frequency converter:	NONE	
	Others:		
	Net weight:	151 lb	
	Gross weight:	169 lb	
	Shipping volume:	10.1 ft ³	
	Country of origin:	US	
	Custom tariff no.:	8413.70.2040	
		011011012010	



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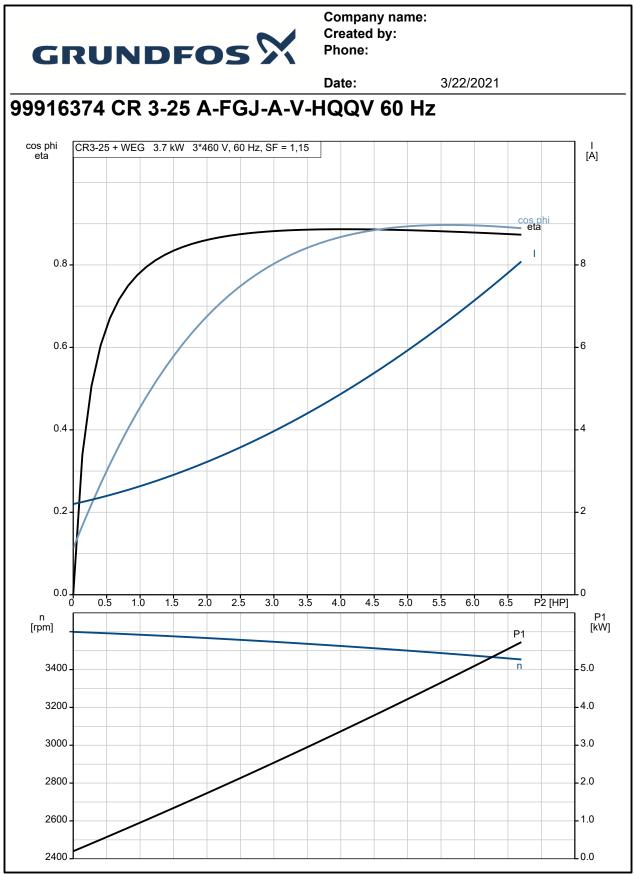




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		Date:	3/22/202
Description	Value		
Pumped liquid:	Water	_	
Liquid temperature range:	-4 194 °F		
Selected liquid temperature:	68 °F		
Density:	62.29 lb/ft ³		
Electrical data:			
Motor standard:	NEMA		
Motor type:	WEG		
IE Efficiency class:	IE3 / NEMA Premium		
Rated power - P2:	5 HP		
Power (P2) required by pump:	5 HP		
Main frequency:	60 Hz		
Rated voltage:	3 x 208-230/460 V		
Service factor:	1.15		
Rated current:	13,1-11,8/5,9 A		
Starting current:	780-780 %		
Load current:	13.6/6.79 A		
Cos phi - power factor:	0.89		
Rated speed:	3500 rpm		
IE efficiency:	IE3 88,5%		
Motor efficiency at full load:	88.5 %		
Motor efficiency at 3/4 load:	88.5 %		
Motor efficiency at 1/2 load:	87.5 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protection:	NONE		
Motor Number:	99882380		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	151 lb		
Gross weight:	169 lb		
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