

Submittal Data

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

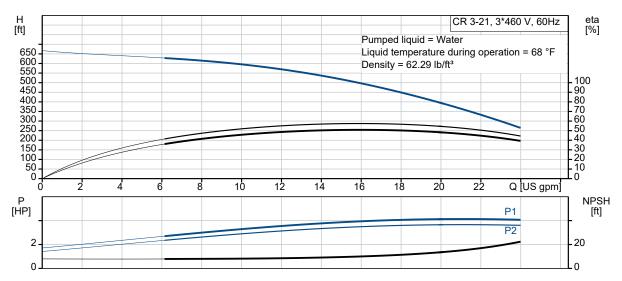


CR 3-21 A-FGJ-A-V-HQQV

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)

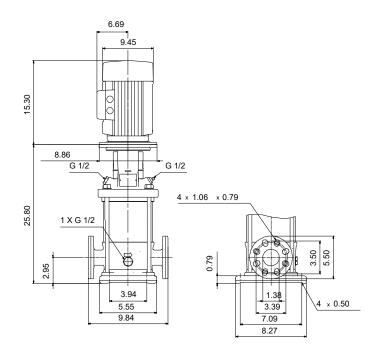
Product photo could vary from the actual product

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:	99916372	Motor protection:	NONE
				Motor type:	WEG
				Eff. 1/1:	88.5 %



Submittal Data



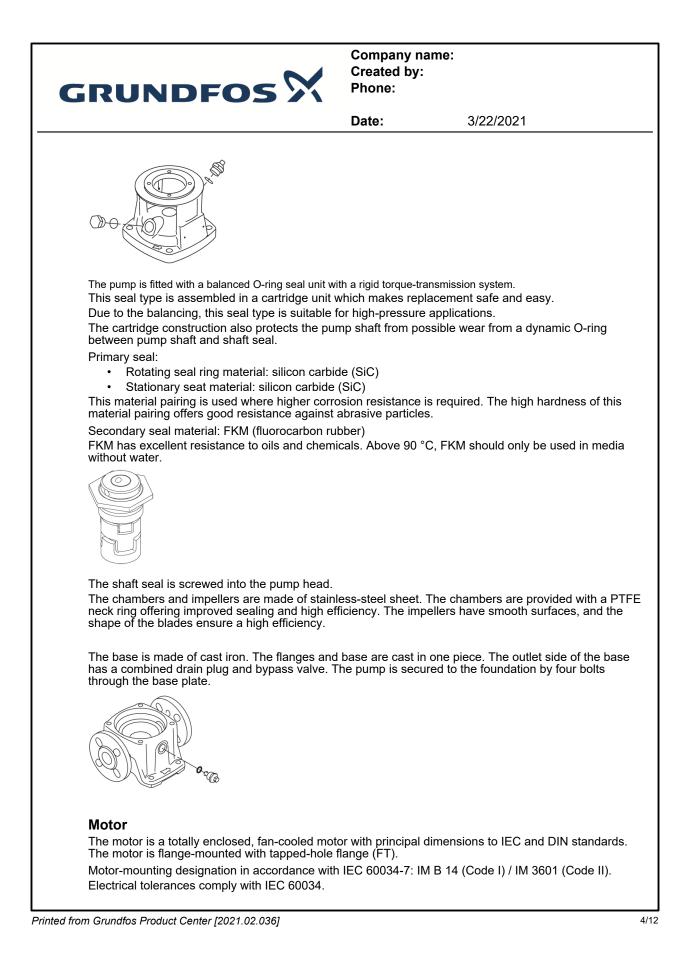


Materials:

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



	Date:	3/22/2021
Count	nt Description	
1	CR 3-21 A-FGJ-A-V-HQQV	
	Product No.: 99916372	
	Vertical, multistage centrifugal pump with inlet and outlet parts and base are in cast iron – all other wetted parts are in stain high reliability, safe handling, and easy access and service coupling. Pipe connection is via combined DIN-ANSI-JIS flat	nless steel. A cartridge shaft seal ensures . Power transmission is via a rigid split
	The pump is fitted with a 3-phase, fan-cooled asynchronou	s motor.
	Further product details	
	Steel, cast iron and aluminium components have an epoxy electro-deposition (CED) process.	-based coating made in a cathodic
	CED is a high-quality dip-painting process where an electri deposition of paint particles as a thin, well-controlled layer	cal field around the products ensures 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 shaby means of two coupling guards.	aft. It is enclosed in the pump head/motor stool
	China Contraction of the contrac	
	The pump head, pump head cover and flange for motor mother has a combined 1/2" priming plug and vent screw.	ounting is made in one piece. The pump head



Date:

3

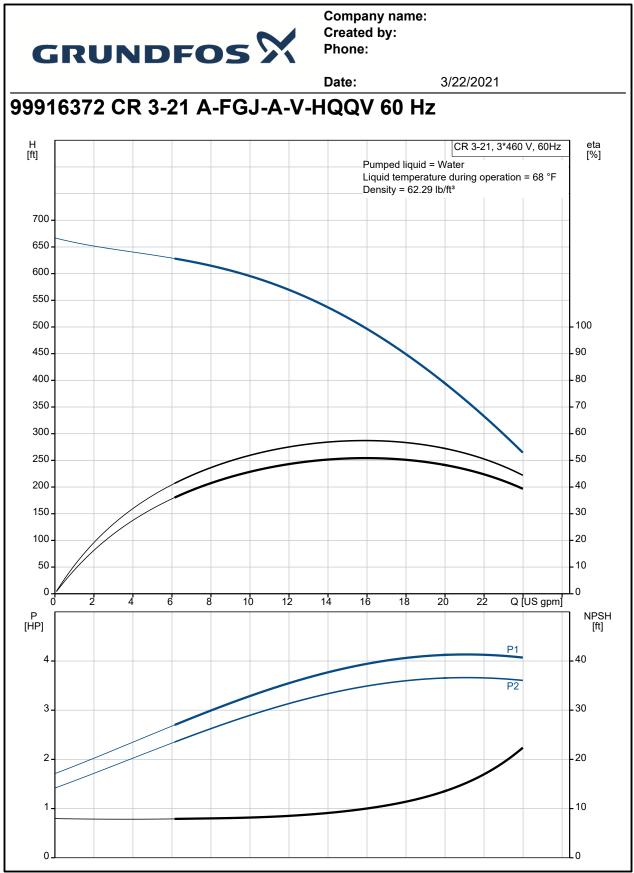
3/22/2021

efficiency in accordance with EISA2007. ion and must be connected to a motor-protective circuit tor-protective circuit breaker must be set according to th eed drive for adjustment of pump performance to any dut e speed drives. Please find more information in Grundfos
ion and must be connected to a motor-protective circuit tor-protective circuit breaker must be set according to th eed drive for adjustment of pump performance to any dut e speed drives. Please find more information in Grundfor
tor-protective circuit breaker must be set according to th eed drive for adjustment of pump performance to any dut e speed drives. Please find more information in Grundfor
e speed drives. Please find more information in Grundfo
m
m
m
m
m
m
m
m
m
)12 3B
N-GJL-200
25B
eel
si / 194 °F si / -4 °F
/ JIS

Printed from Grundfos Product Center [2021.02.036]

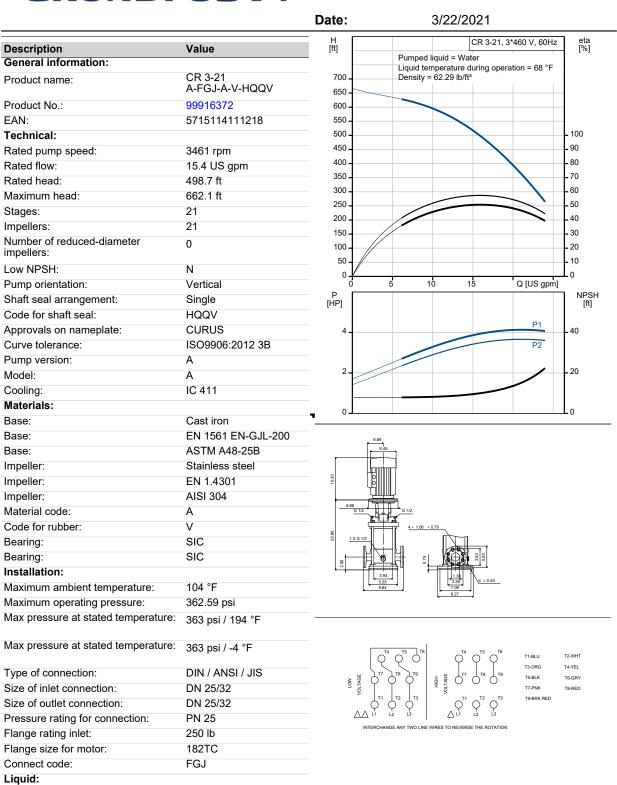


		Date:	3/22/2021		
Count	Description				
	Motor type:	WEG			
	IE Efficiency class:	IE3 / NEMA Premium			
	Rated power - P2:	5 HP			
	Power (P2) required by pump:	5 HP			
	Main frequency:	60 Hz			
	Rated voltage:	3 x 208-230/460 V			
	Service factor:	1.15			
	Rated current:	13,1-11,8/5,9 A			
	Starting 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:	148 lb			
	Gross weight:	166 lb			
	Shipping volume:	10.1 ft ³			
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			



Printed from Grundfos Product Center [2021.02.036]

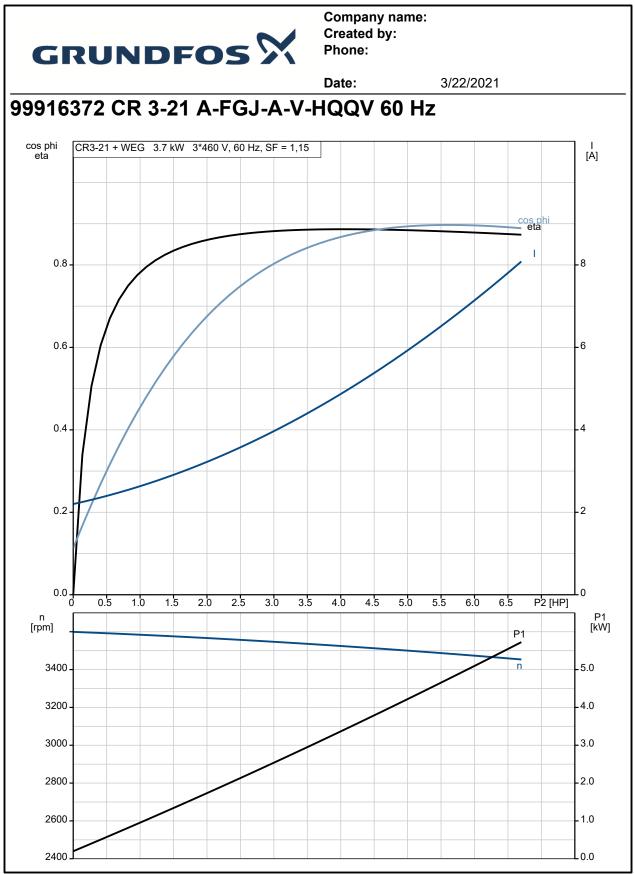




Printed from Grundfos Product Center [2021.02.036]



		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:	148 lb		
Gross weight:	166 lb		
Shipping volume:	10.1 ft ³		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		



Printed from Grundfos Product Center [2021.02.036]

