

Submittal Data

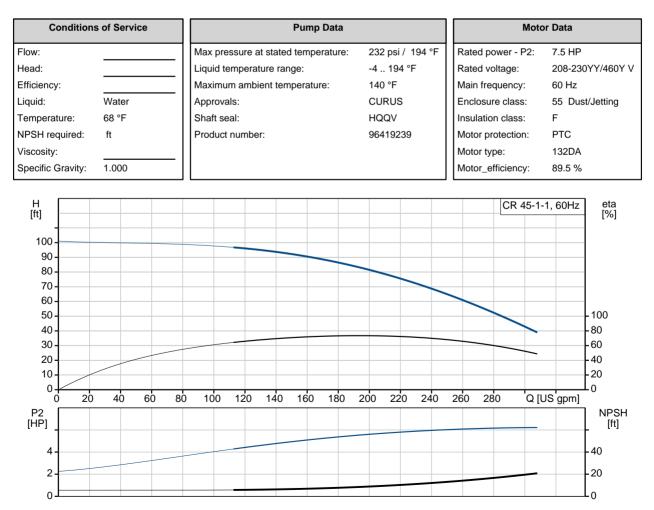
PROJECT:	 UNIT TAG:	 QUANTITY:	
	 TYPE OF SERVICE:		
REPRESENTATIVE:	SUBMITTED BY:	DATE:	
ENGINEER:	APPROVED BY:	 DATE:	
CONTRACTOR:	 ORDER NO.:	 DATE:	



CR 45-1-1 A-G-A-V-HQQV

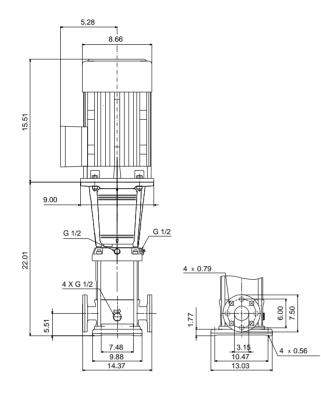
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301) (AISI 304)

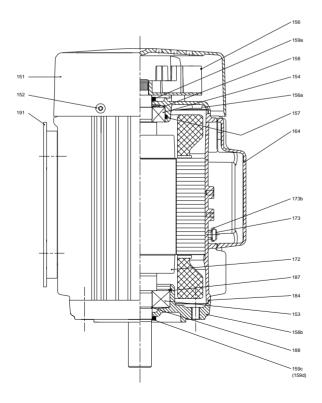
Product photo could vary from the actual product





Submittal Data





Materials:	
Base:	Ca
	EN

Impeller:

Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Stainless steel AISI 304 EN 1.4301 A

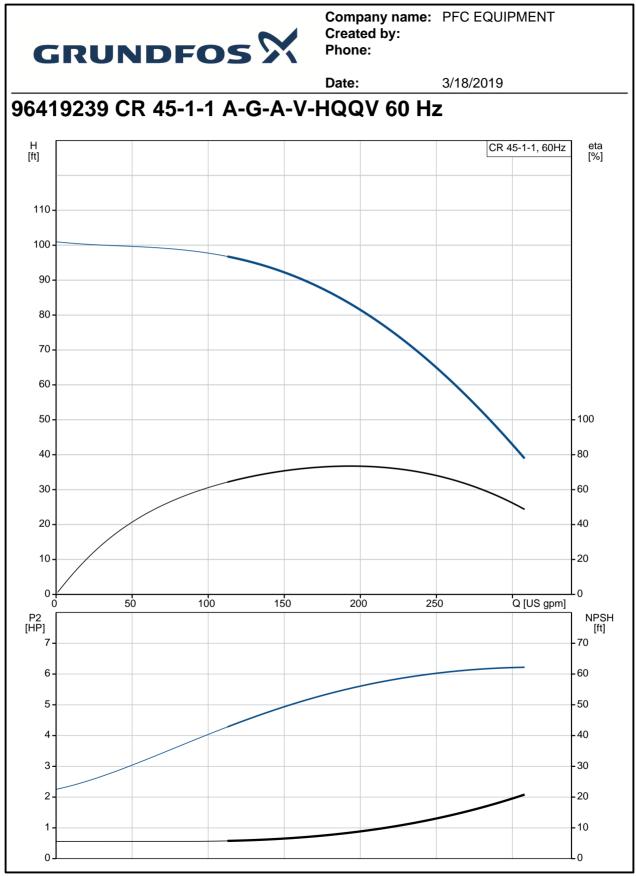
Material code: A Code for rubber: V

G	RUNDFOS	5 X	Company name: Created by: Phone:	PFC EQUIPMENT
			Date:	3/18/2019
Count	Description			
1	CR 45-1-1 A-G-A-V-HQQV			
	 Product No.: 96419239 Vertical, non-self-priming, multist centrifugal pump for installation i and mounting on a foundation. The pump has the following char Impellers and intermediat The shaft seal has assem according to EN 12756. Power transmission is via coupling. The motor is a 3-phase AC motor 	n pipe systems racteristics: e chambers are ably length cast iron split		
	Controls: Frequency converter:	NONE		
	Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operat Density:	Water -4 194 °F tion: 68 °F 62.29 lb/ft³		
	Technical: Rated pump speed: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3467 rpm 238 US gpm 72.51 ft Vertical Single HQQV CURUS ISO9906:2012	2 3B	
	Materials: Base: Impeller:	Cast iron EN 1563 EN-0 ASTM A536 8 Stainless stee EN 1.4301	0-55-06	



Company name: PFC EQUIPMENT Created by: Phone:

Description			
	AISI 304		
Bearing:	SIC		
Support bearing:	Graflon		
Installation:			
Maximum ambient temperature	e: 140 °F		
Maximum operating pressure:	232 psi		
Max pressure at stated temper			
Type of connection:	ANSI	•	
Size of suction port:	3 inch		
Size of outlet port:	3 inch		
Pressure rating for pipe connect			
Flange rating inlet:	150 lb		
Flange size for motor:	213TC		
Electrical data:			
Motor standard:	NEMA		
Motor type:	132DA		
IE Efficiency class:	NEMA Premium /	E3 60H7	
Rated power - P2:	7.5 HP	20 00112	
Power (P2) required by pump:			
Main frequency:	60 Hz		
Rated voltage:	3 x 208-230YY/46		
Service factor:	1.15		
Rated current:	-		
	19,5-18,1/9,09 A 1020-1480 %		
Starting current:			
Cos phi - power factor:	0.89-0.86		
Rated speed:	3490-3515 rpm		
IE efficiency:	IE3 89,5%		
Motor efficiency at full load:	89.5 %		
Motor efficiency at 3/4 load:	89.7 %		
Motor efficiency at 1/2 load:	88.3 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Others:			
Net weight:	222 lb		
Gross weight:	239 lb		
Shipping volume:	10.9 ft ³		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		





Company name: PFC EQUIPMENT Created by: Phone:

		Date:	3/18/20		1 -/
Description	Value	H [ft]		CR 45-1-1, 60Hz	eta [%]
General information:		110 -			
Product name:	CR 45-1-1 A-G-A-V-HQQV	100 -			
Product No.:	96419239	90 -			
EAN:	5700390752149	80 -			
Technical:					
Rated pump speed:	3467 rpm	70 -			
Rated flow:	238 US gpm	60 -			
Rated head:	72.51 ft	50 -			- 100
Head max:	101.7 ft	40 -			- 80
Stages:	1			'	
Impellers:	1	30 -			- 60
Number of reduced-diameter impellers:	1	20-			- 40 - 20
Low NPSH:	Ν	0			Lo
Pump orientation:	Vertical	0 50	100 150 2	200 Q [US gpm]	
Shaft seal arrangement:	Single	P2 [HP]			NPSH [ft]
Code for shaft seal:	HQQV	6-			- 60
Approvals on nameplate:	CURUS	0-			- 00
Curve tolerance:	ISO9906:2012 3B				10
Pump version:	A	4-			- 40
Model:	В				
Cooling:	TEFC	2 -			- 20
Materials:					
Base:	Cast iron				L ₀
	EN 1563 EN-GJS-500-7	5.28			
	ASTM A536 80-55-06				
Impeller:	Stainless steel				
	EN 1.4301				
	AISI 304				
Material code:	A	9.00			
Code for rubber:	V	G1/2	1/2		
Bearing:	SIC		4 × 0.79		
Support bearing:	Graflon	4 X G 1/2			
Installation:					
Maximum ambient temperature:	140 °F		3.15 10.47 4 × 0.56		
Maximum operating pressure:	232 psi	14:37	13.03		
Max pressure at stated temperature:	232 psi / 194 °F	A	WARNING		
	232 psi / -4 °F	MOTOR MUST BE GROUN	WARNING		
Type of connection:	ANSI	WITH THE NATIONAL ELE LOCAL CODES BY TRAINE PREVENT SERIOUS ELEC	ED PERSONNEL TO		
Size of suction port:	3 inch	TO SERVICE MOTOR, DIS SOURCE FROM MOTOR &	CONNECT POWER		
Size of outlet port:	3 inch	DEVICES AND ALLOW MO COMPLETE STAND STILL LOW VOLTAGE	HIGH VOLTAGE		
Pressure rating for pipe connection:		LOW VOLTAGE 60Hz. 208-230V 6 5 4	HIGH VULTAGE 60Hz: 460V 50Hz: 400V 6● 5● 4●		
	PN 16	9 8 7 3 2 1	9● 8● 7● 3● 2● 1● 8		
Flange rating inlet:	150 lb	L3 L2 L1	L3 L2 L1		
Flange size for motor: Connect code:	213TC	WARES TO B WARES TO B THE RECORD	ATLEADS J		
L ODDACT CODA'	G				

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Company name: PFC EQUIPMENT Created by: Phone:

		Date:	3/18/2019
Description	Value		
Pumped liquid:	Water		
Liquid temperature range:	-4 194 °F		
Liquid temperature during operation:	68 °F		
Density:	62.29 lb/ft ³		
Electrical data:			
Motor standard:	NEMA		
Motor type:	132DA		
IE Efficiency class:	NEMA Premium / IE3 60Hz		
Rated power - P2:	7.5 HP		
Power (P2) required by pump:	7.5 HP		
KVA code:	L		
Main frequency:	60 Hz		
Rated voltage:	3 x 208-230YY/460Y V		
Service factor:	1.15		
Rated current:	19,5-18,1/9,09 A		
Starting current:	1020-1480 %		
Load current:	22,4-20,8/10,4 A		
Cos phi - power factor:	0.89-0.86		
Rated speed:	3490-3515 rpm		
IE efficiency:	IE3 89,5%		
Motor efficiency at full load:	89.5 %		
Motor efficiency at 3/4 load:	89.7 %		
Motor efficiency at 1/2 load:	88.3 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protection:	PTC		
Motor Number:	85904392		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	222 lb		
Gross weight:	239 lb		
Shipping volume:	10.9 ft ³		
Sales region:	Namreg		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		

