

Submittal Data

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

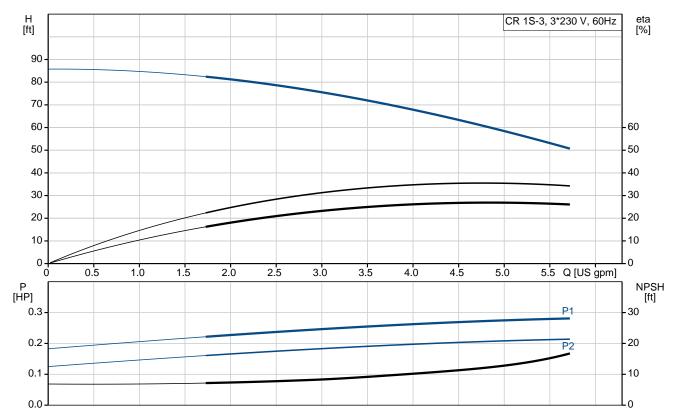


CR 1S-3 A-B-A-E-HQQE

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)

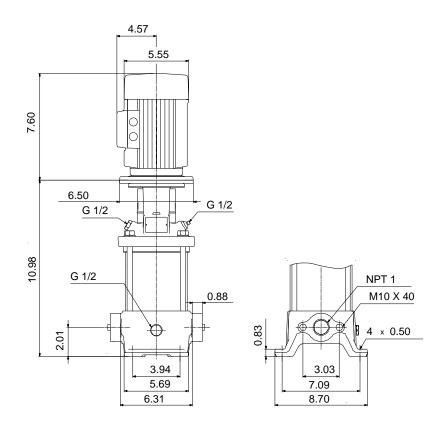
Product photo could vary from the actual product

Conditions	of Service	Pump Data		Moto	or Data
Flow:		Max pressure at stated temperature:	232 psi / 250 °F	Rated power - P2:	0.33 HP
Head:		Liquid temperature range:	-4 248 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS,NSF61	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQE	Insulation class:	F
NPSH required:	ft	Product number:	On request	Motor protection:	NONE
Viscosity:				Motor type:	71AA
Specific Gravity:	1.000			Motor_efficiency:	78.5 %



Submittal Data





Materials:

Impeller:

Base:

Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

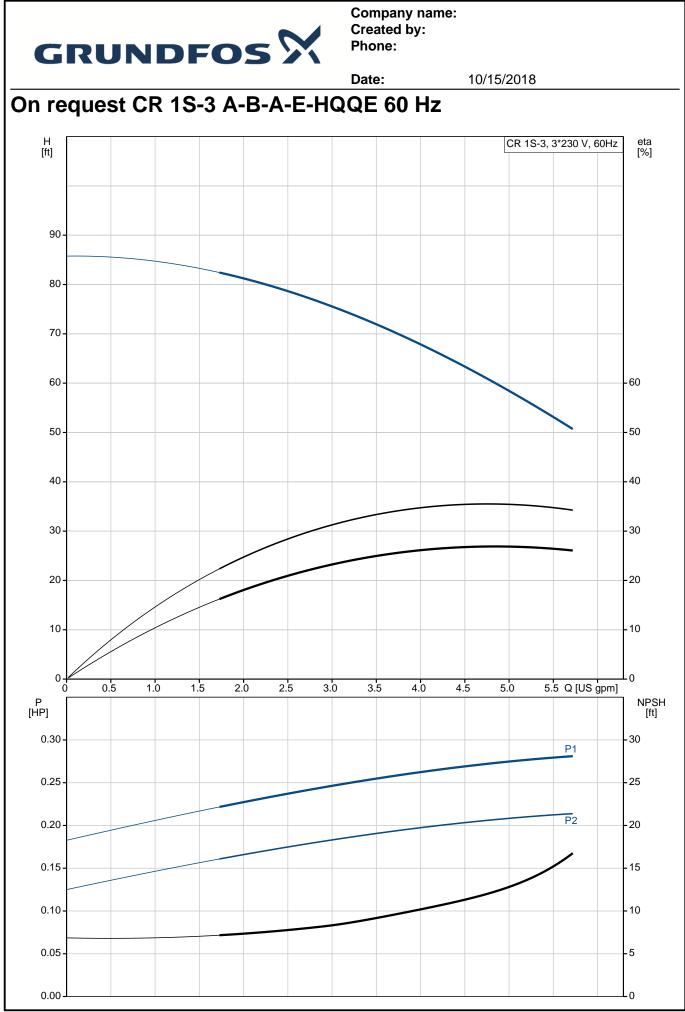
Material code:

Code for rubber: E

G	RU	INDFOS	Company nam Created by: Phone:	e:	
			Date:	10/15/2018	
Position	Count	Description			
	1	CR 1S-3 A-B-A-E-HQQE			
		Product No.: On request Vertical, non-self-priming, multis centrifugal pump for installation i and mounting on a foundation.			
		The pump has the following chan Impellers and intermediat The shaft seal has assem according to EN 12756. Power transmission is via coupling.	e chambers are made of bly length		
		The motor is a 3-phase AC moto	pr.		
		Controls: Frequency converter:	NONE		
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -4248 °F tion: 68 °F 62.29 lb/ft ³		
		Technical: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	4.84 US gpm 58.4 ft Vertical Single HQQE CURUS,NSF61 ISO9906:2012 3B		
		Materials: Base:	Cast iron EN 1561 EN-GJL-200		
		Impeller:	ASTM A48-25B Stainless steel EN 1.4301		
		Bearing:	AISI 304 SIC		
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temperat	232 psi		
		Type of connection: Size of suction port:	Oval / NPT(F) 1 inch		



			Date:	10/15/2018
Position	Count	Description		
		Size of outlet port: Pressure rating for pipe connect	1 inch	
		Flange size for motor:	56C	
		-		
		Electrical data: Motor standard:	NEMA	
		Motor type:	71AA	
		Rated power - P2:	0.33 HP	
		Power (P2) required by pump:		
		Main frequency: Rated voltage:	60 Hz 3 x 208-230YY/460Y V	
		Service factor:	1.35	
		Rated current:	1,12-1,10/0,55 A	
		Starting current: Cos phi - power factor:	630-700 % 0.81-0.75	
		Rated speed:	3450-3480 rpm	
		Motor efficiency at full load:	78.5 %	
		Number of poles: Enclosure class (IEC 34-5):	2 55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Othere		
		Others: Net weight:	46 lb	
		Gross weight:	57 lb	
		Shipping volume:	4.94 ft ³	
		Country of origin: Custom tariff no.:	US 8413.70.2040	
			0 11011 0120 10	



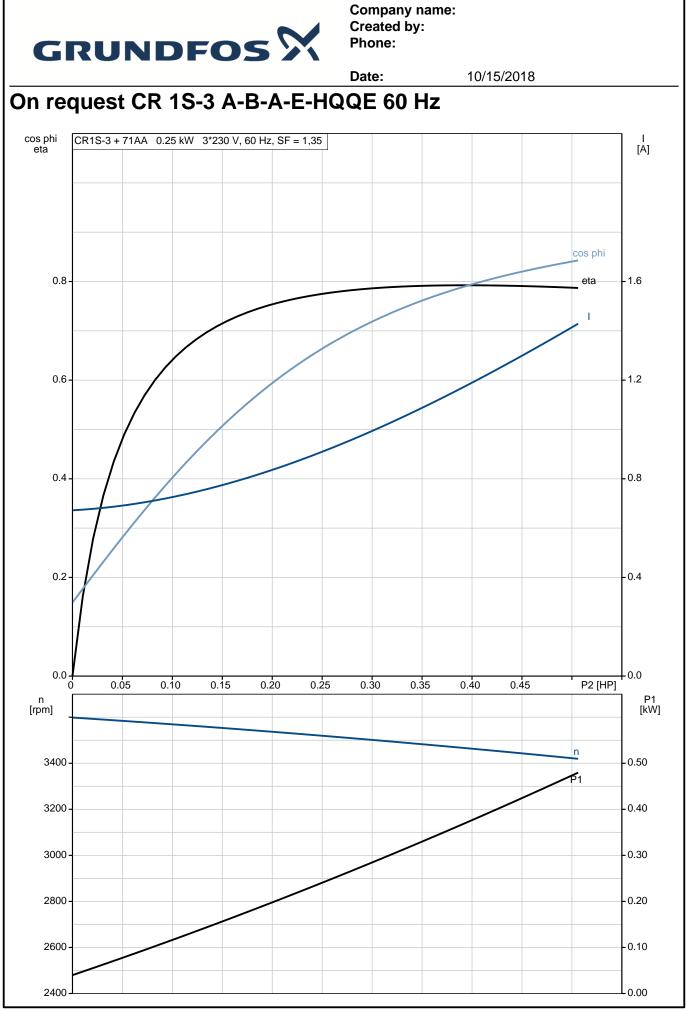
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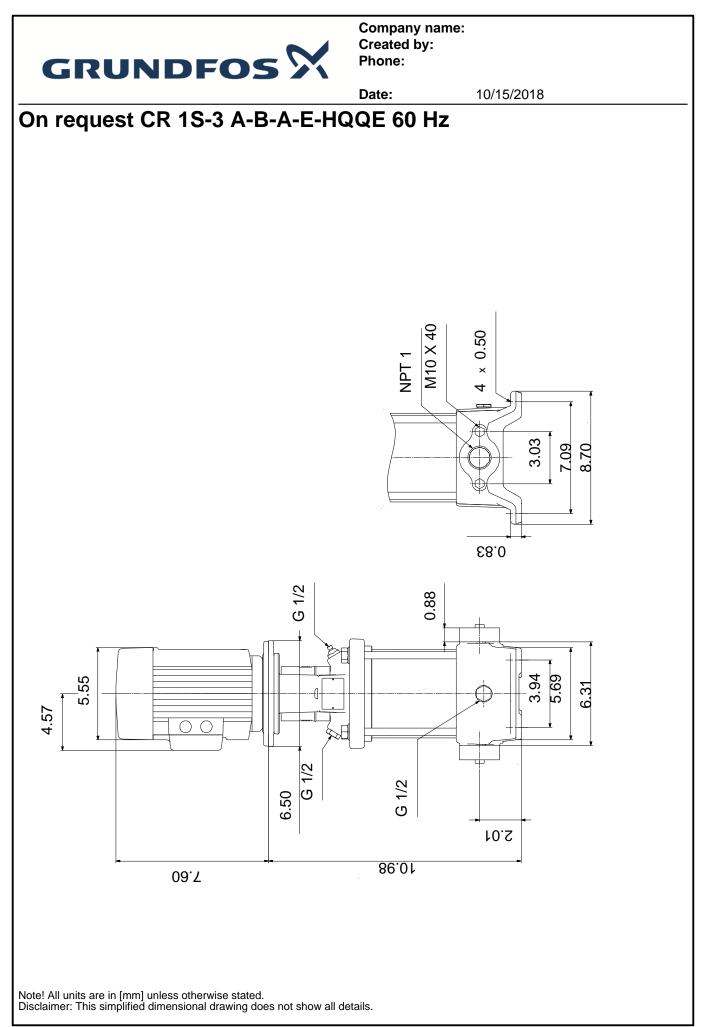
		Date:	10/15/2018
Description	Value	H [ft]	CR 1S-3, 3*230 V, 60Hz [%
General information:	Tuluo		
Product name:	CR 1S-3 A-B-A-E-HQQE	-	
Product No.:	On request	90 -	
EAN:	On request		
Technical:		80 -	
Rated flow:	4.84 US gpm	70 -	
Rated head:	58.4 ft		
Stages:	3	60 -	- 60
Impellers:	3	-	
Number of reduced-diameter impellers:	0	50 -	
Low NPSH:	N		
		40 -	- 40
Pump orientation:	Vertical	30 -	30
Shaft seal arrangement:	Single		
Code for shaft seal:	HQQE	20-	20
Approvals on nameplate:	CURUS,NSF61		
Curve tolerance:	ISO9906:2012 3B	10-	
Pump version:	A		
Model:	A		5 2.0 2.5 3.0 3.5 4.0 4.5 Q [US gpm]
Cooling:	TEFC	Р	NP
Materials:		[HP]	[1
Base:	Cast iron		
	EN 1561 EN-GJL-200	0.25 -	-25
	ASTM A48-25B	0.20 -	P2 20
Impeller:	Stainless steel		
	EN 1.4301	0.15	15
	AISI 304	0.10 -	10
Material code:	А	0.05 -	
Code for rubber:	E	0.05 -	
Bearing:	SIC	0.00	0
Installation:			
Maximum ambient temperature:	104 °F	4.57	55
Maximum operating pressure:	232 psi		
Max pressure at stated temperature:	232 psi / 250 °F		
	232 psi / -4 °F	2.60 2.60	
Type of connection:	Oval / NPT(F)		
Size of suction port:	1 inch	6.50 G 1/2	
Size of outlet port:	1 inch	G 1/2	G 1/2
Pressure rating for pipe connection:	PN 16		
Flange size for motor:	56C	6: 6: <u>G 1/2</u>	NPT 1
Connect code:	B		0.88 M10 X 40
Liquid:	U		
-	Wotor	3.	
Pumped liquid:	Water	6.3	
Liquid temperature range:	-4 248 °F		
Liquid temperature during operation:	68 °F		
Density:	62.29 lb/ft ³		
Electrical data:			······
Motor standard:	NEMA		RNING
Motor type:	71AA	MOTOR MUST BE GROUNDED I WITH THE NATIONAL ELECTRIC LOCAL CODES BY TRAINED PE	CAL CODE AND
Rated power - P2:	0.33 HP	PREVENT SERIOUS ELECTRIC/	AL SHOCKS.
Power (P2) required by pump:	0.33 HP	TO SERVICE MOTOR, DISCONN SOURCE FROM MOTOR AND AI	NY ACCESSORY
Main frequency:	60 Hz	DEVICES AND ALLOW MOTOR COMPLETE STAND STILL.	
Rated voltage:	3 x 208-230YY/460Y V	LOW VOLTAGE 60Hz. 208-230V	HIGH VOLTAGE 60Hz: 460V 50Hz: 400V
Service factor:	1.35	- <u>6 5 4</u> 9● 8● 7●	6 ● 5 ● 4 ●
Rated current:	1,12-1,10/0,55 A	3● 2● 1●	9 8 7 9 3 9 2 9 1 9
Starting current:	630-700 %	L3 L2 L1	L3 L2 L1 88
Load current:	1,5-1,45/0,75 A	INTERCHANGE ANY WRITE TO REVERSE THERMOSTAT LED	TWO LINE
Cos phi - power factor:	0.81-0.75	THERMOSTAT LEAD (WHEN PROVIDED)	
Rated speed:	3450-3480 rpm		



		Date:	10/15/2018
		Date.	10/15/2010
Description	Value		
Motor efficiency at full load:	78.5 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protection:	NONE		
Motor Number:	85900700		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	46 lb		
Gross weight:	57 lb		
Shipping volume:	4.94 ft ³		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		



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Date: 10/15/2018 On request CR 1S-3 A-B-A-E-HQQE 60 Hz WARNING \bigwedge MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS. TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL. **HIGH VOLTAGE** LOW VOLTAGE 60Hz: 460V 60Hz. 208-230V 50Hz: 400V 5 6 4 5⊜ 6 4⊜ 9 8⊜ 7⊜ 9 8 7 2 3⊜ 1⊜ 3⊜ 2⊜ 1⊜ 96553852 L1 L3 L2 L3 L2 L1 INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION THERMOSTAT LEADS 🖨 J 🖨 J (WHEN PROVIDED)

All units are [mm] unless otherwise presented.