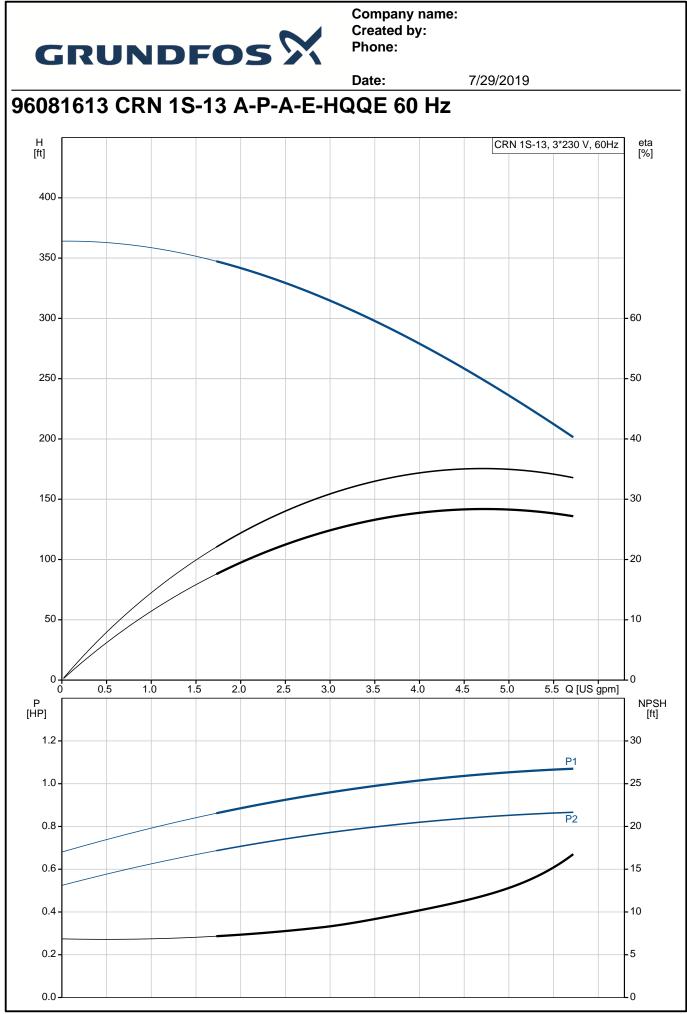
C	RUNDFO	sX	Company name: Created by: Phone:	
			Date:	7/29/2019
Count	Description			
1	CRN 1S-13 A-P-A-E-HQQE			
	Product No.: 96081613			
	Vertical, non-self-priming, multis	tage, in-line,		
	centrifugal pump for installation and mounting on a foundation.	n pipe systems		
	The pump has the following chan - Impellers, intermediate ch			
	sleeve are made of			
	 Pump head cover and ba The shaft seal has assert 			
	according to EN 12756. - Power transmission is via			
	coupling. flanges/couplings.	·		
	The motor is a 3-phase AC moto	or.		
	Controls:			
	Frequency converter:	NONE		
	Liquid:			
	Pumped liquid:	Water		
	Liquid temperature range:	-4 248 °F		
	Selected liquid temperature:	68 °F		
	Density:	62.29 lb/ft ³		
	Technical:			
	Rated pump speed:	3484 rpm		
	Rated flow:	4.84 US gpm		
	Rated head:	243.8 ft		
	Pump orientation: Shaft seal arrangement:	Vertical Single		
	Code for shaft seal:	HQQE		
	Approvals on nameplate:	CURUS,NSF61		
	Curve tolerance:	ISO9906:2012 3B		
	Materials:			
	Base:	Stainless steel		
		EN 1.4408		
	Impeller:	AISI 316 Stainless steel		
		EN 1.4401		
		AISI 316		
	Bearing:	SIC		
	Installation:			
	Maximum ambient temperature:			
	Maximum operating pressure:	362.59 psi		



Description Max pressure at stated temper Type of connection: Size of inlet connection: Size of suction port: Size of outlet connection: Size of outlet port: Pressure rating for pipe conne	ature: 363 psi / 250 °F 363 psi / -4 °F PJE DN 32 1 1/4 inch DN 32	
Type of connection: Size of inlet connection: Size of suction port: Size of outlet connection: Size of outlet port:	363 psi / -4 °F PJE DN 32 1 1/4 inch	
Size of inlet connection: Size of suction port: Size of outlet connection: Size of outlet port:	PJE DN 32 1 1/4 inch	
Size of inlet connection: Size of suction port: Size of outlet connection: Size of outlet port:	DN 32 1 1/4 inch	
Size of suction port: Size of outlet connection: Size of outlet port:	1 1/4 inch	
Size of outlet connection: Size of outlet port:		
Size of outlet port:	DN 32	
Dracours rating for sing conne	1 1/4 inch	
Flange size for motor:	56C	
Electrical data:		
Motor standard:	NEMA	
Motor type:	71BB	
IE Efficiency class:	NEMA Premium / IE3 60Hz	
Rated power - P2:	1 HP	
Power (P2) required by pump:		
Main frequency:	60 Hz	
Rated voltage:	3 x 208-230YY/460Y V	
Service factor:	1.25	
Rated current:	3,25-3,35/1,68 A	
Starting current:	590-650 %	
Cos phi - power factor:	0.81-0.72	
Rated speed:	3430-3460 rpm	
IE efficiency:	IE3 77,0%	
Motor efficiency at full load:	80.0 %	
Motor efficiency at 3/4 load:	79.5 %	
Motor efficiency at 1/2 load:	75.0 %	
Number of poles:	2 EE Duct/Jetting	
Enclosure class (IEC 34-5):	55 Dust/Jetting	
Insulation class (IEC 85): Motor Number:	F	
Motor Number.	85900703	
Others:		
Net weight:	51.2 lb	
Gross weight:	62.2 lb	
Shipping volume:	6.11 ft ³	
Country of origin:	US	
Custom tariff no.:	8413.70.2040	



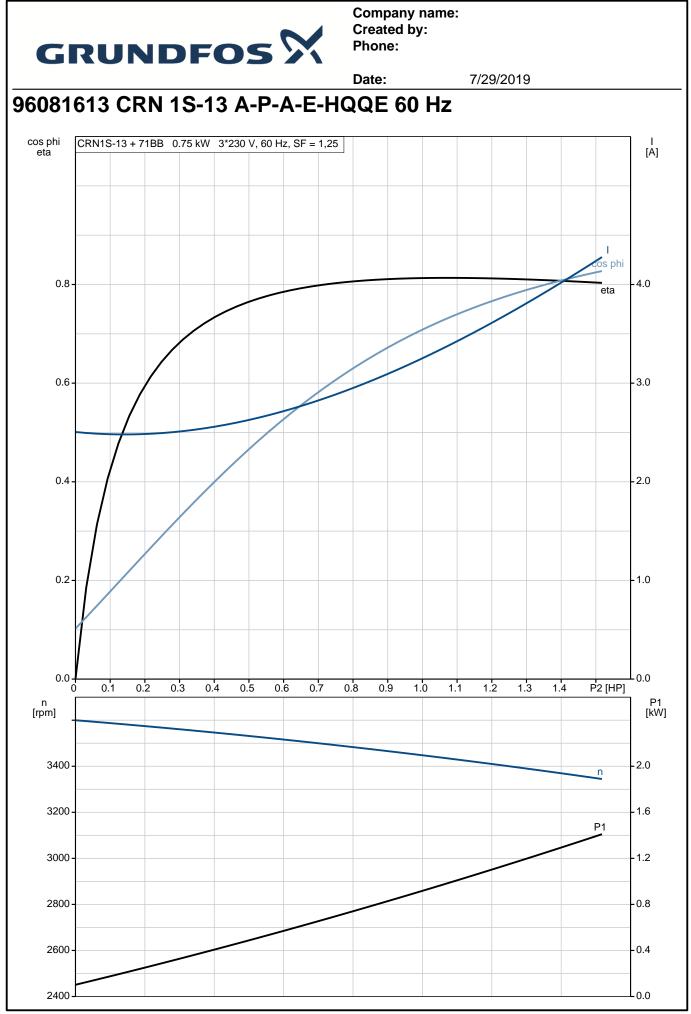


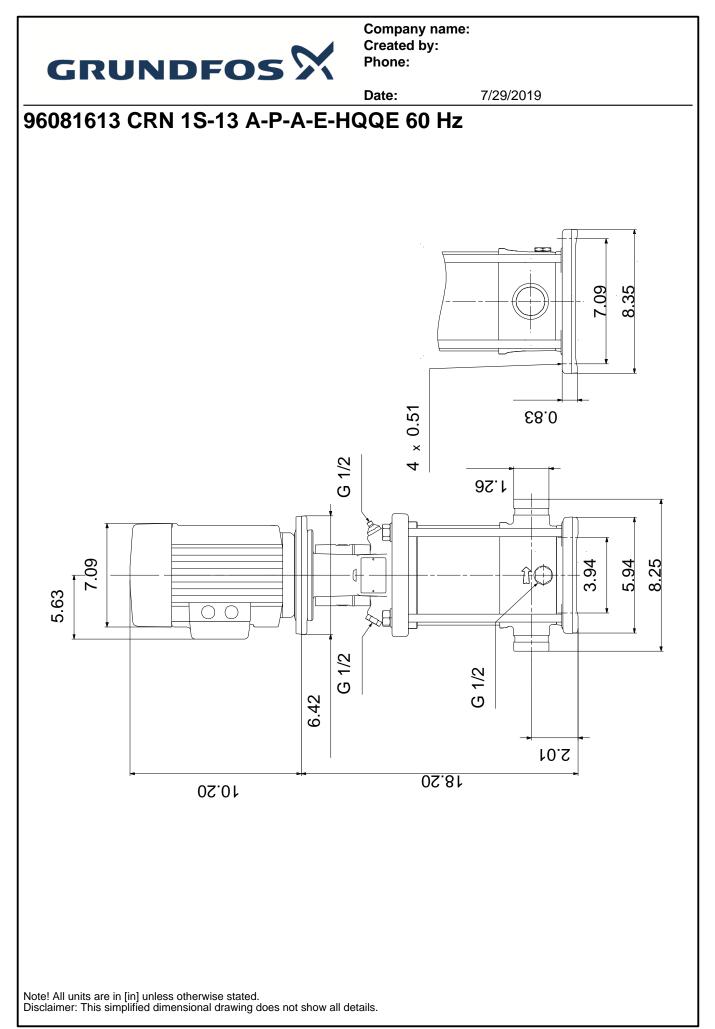
		Date:	7/29/2	013		-
Description	Value	H [ft]		CRN 1S-13, 3*230	0 V, 60Hz	eta [%]
General information:		400 -				
Product name:	CRN 1S-13 A-P-A-E-HQQE					
Product No.:	96081613	350 -				1
EAN:	5700395160574					
Technical:		300 -				- 60
Rated pump speed:	3484 rpm					
Rated flow:	4.84 US gpm	250 -				- 50
Rated head:	243.8 ft					
Head max:	365.5 ft	200 -				- 40
Stages:	13					
Impellers:	13	150 -				- 30
Number of reduced-diameter impellers:	0	100 -				- 20
Low NPSH:	Ν					
Pump orientation:	Vertical	50 -				- 10
Shaft seal arrangement:	Single	50				
Code for shaft seal:	HQQE					
Approvals on nameplate:	CURUS,NSF61	0	.0 1.5 2.0 2.5 3.0	0 3.5 4.0 4.5 Q	[US gpm]	L ₀
Curve tolerance:	ISO9906:2012 3B	P [HP]				NPSH
Pump version:	A					[ft]
Model:	A	1.0 -			P1	- 25
Cooling:	TEFC					
Materials:	, •	0.8 -			P2	- 20
Base:	Stainless steel	0.6			/	- 15
Base.	EN 1.4408					
	AISI 316	0.4 -				- 10
Impeller:	Stainless steel	0.2				-5
	EN 1.4401	0.0				Lo
	AISI 316	0.0				-0
Material code:	A	5.6	3			
Code for rubber:	E	r-	7.09			
Bearing:	SIC					
Installation:	010	0 0				
Maximum ambient temperature:	140 °F	e lo				
Maximum operating pressure:	362.59 psi	<u> </u>				
Max pressure at stated temperature:	363 psi / 250 °F	6.42				
	363 psi / -4 °F	G 1/2				
Type of connection:	PJE	1 18:20	<u>4 × 0.51</u>			
Size of inlet connection:	DN 32	G 1/2	ا مو			
Size of suction port:	1 1/4 inch					
Size of outlet connection:	DN 32	5.01		I PI,		
Size of outlet port:	1 1/4 inch		3.94	7.09		
Pressure rating for pipe connection:	PN 50		5.94 8.25	8.35		
Flange size for motor:	56C					
Connect code:	P					
Liquid:	•					
Pumped liquid:	Water		5			
Liquid temperature range:	-4 248 °F	WITH THE NATIONA	ROUNDED IN ACCORDANCE L ELECTRICAL CODE AND 'RAINED PERSONNEL TO			
Selected liquid temperature:	68 °F	PREVENT SERIOUS	R, DISCONNECT POWER			
Density:	62.29 lb/ft ³	SOURCE FROM MO DEVICES AND ALLO	TOR AND ANY ACCESSORY W MOTOR TO COME TO A			
Electrical data:		COMPLETE STAND	STILL. HIGH VOLTAGE			
Motor standard:	NEMA	60Hz. 208-230V	60Hz: 460V 50Hz: 400V 4 6● 5● 4●			
Motor type:	71BB	9 8				
IE Efficiency class:	NEMA Premium / IE3 60Hz		1 9 8 7 7 1 3 9 2 9 1 9 28 1 9 28 2 1 9 28 2 1 9 28 2 1 9 28 2 1 9 28 2 1 9 28 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 8 2 1 1 1 1			
Rated power - P2:	1 HP	in W	TERCHANGE ANY TWO LINE BES TO REVERSE BOTATION ERMOSTAT LEADS J HEN PROMOTEDI J			
Power (P2) required by pump:		L a	HEN PROVIDED) J			
	1 HP					
Main frequency:	60 Hz					

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		Date:	7/29/2019
Description	Value		
ated voltage:	3 x 208-230YY/460Y V	_	
service factor:	1.25		
Rated current:	3,25-3,35/1,68 A		
Starting current:	590-650 %		
.oad current:	4,0-3,9/1,95 A		
Cos phi - power factor:	0.81-0.72		
ated speed:	3430-3460 rpm		
E efficiency:	IE3 77,0%		
Notor efficiency at full load:	80.0 %		
lotor efficiency at 3/4 load:	79.5 %		
Notor efficiency at 1/2 load:	75.0 %		
lumber of poles:	2		
Inclosure class (IEC 34-5):	55 Dust/Jetting		
nsulation class (IEC 85):	F		
Notor protection:	NONE		
lotor Number:	85900703		
Controls:			
requency converter:	NONE		
Others:			
Net weight:	51.2 lb		
Gross weight:	62.2 lb		
Shipping volume:	6.11 ft ³		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		







Date: 7/29/2019 96081613 CRN 1S-13 A-P-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 7⊜ 8 2 3⊜ 1⊜ 3⊜ 2⊜ 1⊜ 96553852 L1 L2 L3 L3 L2 L1 INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION

THERMOSTAT LEADS

(WHEN PROVIDED)

● J ● J

All units are [in] unless otherwise presented.