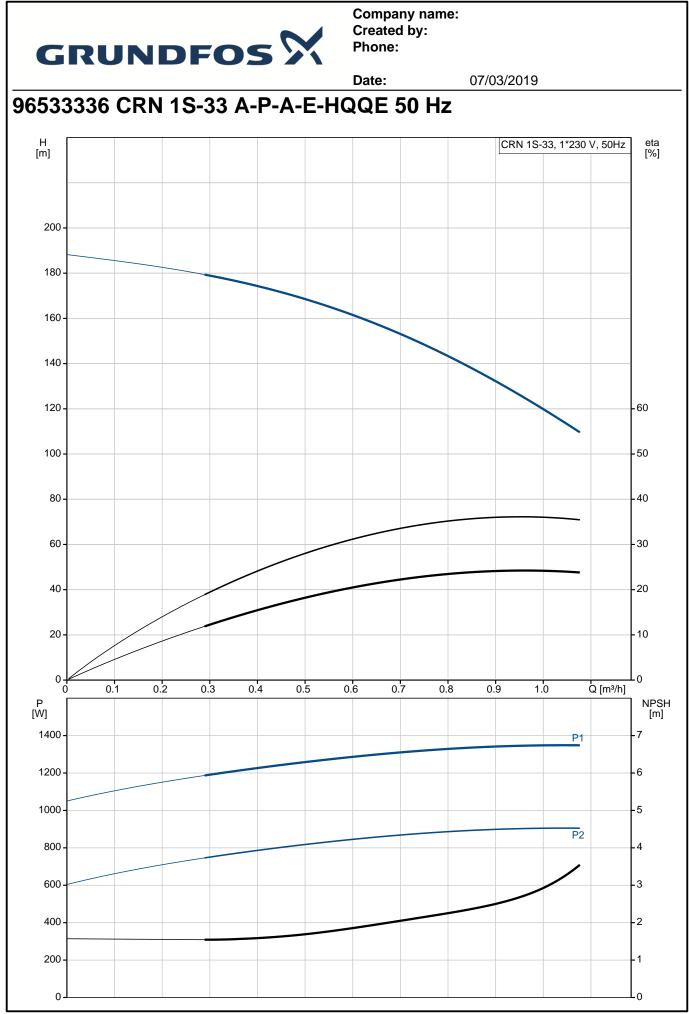
	GRUNDFO	Xs	Company name: Created by: Phone:			
			Date:	07/03/2019		
y.	Description					
	CRN 1S-33 A-P-A-E-HQQE					
	Product No.: 96533336					
Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump contact with the liquid are in high-grade stainless steel. Power transmission is via a rigid split co connection is via PJE (Victaulic®) couplings.						
	The pump is fitted with a 1-phase					
	<b>Controls:</b> Frequency converter:	NONE				
	Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -20 120 °C tion: 20 °C 998.2 kg/m³				
	<b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation:	a are based: 2789 0.9 m³/h 142.1 m Vertical	rpm			
	Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	Single HQQE CE, EAC,ACS ISO9906:2012 3B				
	Materials:					
	Base:	Stainless steel EN 1.4408 AISI 316				
	Impeller:	Stainless steel EN 1.4401 AISI 316				
	Bearing:	SIC				
	Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C				
	Type of connection: Size of inlet connection:	PJE DN 32 1 1/4 inch				
	Size of outlet connection:	DN 32 1 1/4 inch				
	Pressure rating for pipe connect Flange size for motor:	on: PN 50 FT115				



Company name: Created by: Phone:

			Date:	07/03/2019	
.	Description			07/03/2019	
_	Electrical data:				
	Motor standard:	IEC			
	Motor type:	90SB			
	Rated power - P2:	903B 1.1 kW			
	Power (P2) required by pump:	1.1 kW			
	Mains frequency:	50 Hz			
	Rated voltage: Rated current:	1 x 220-230/240 V			
		7.40/6.70 A			
	Starting current:	390 %			
	Cos phi - power factor:	0.98/0.99			
	Rated speed:	2770 rpm			
	Motor efficiency at full load:	73-71 %			
	Number of poles:	2 55 Duet/Jetting			
	Enclosure class (IEC 34-5):	55 Dust/Jetting			
	Insulation class (IEC 85):	F			
	Others:				
	Minimum efficiency index, MEI				
	Net weight:	40.9 kg			
	Gross weight:	46.3 kg			
	Shipping volume:	0.133 m <sup>3</sup>			
	Country of origin:	GB			
	Custom tariff no .:	84137075			
- I					





## Company name: Created by: Phone:

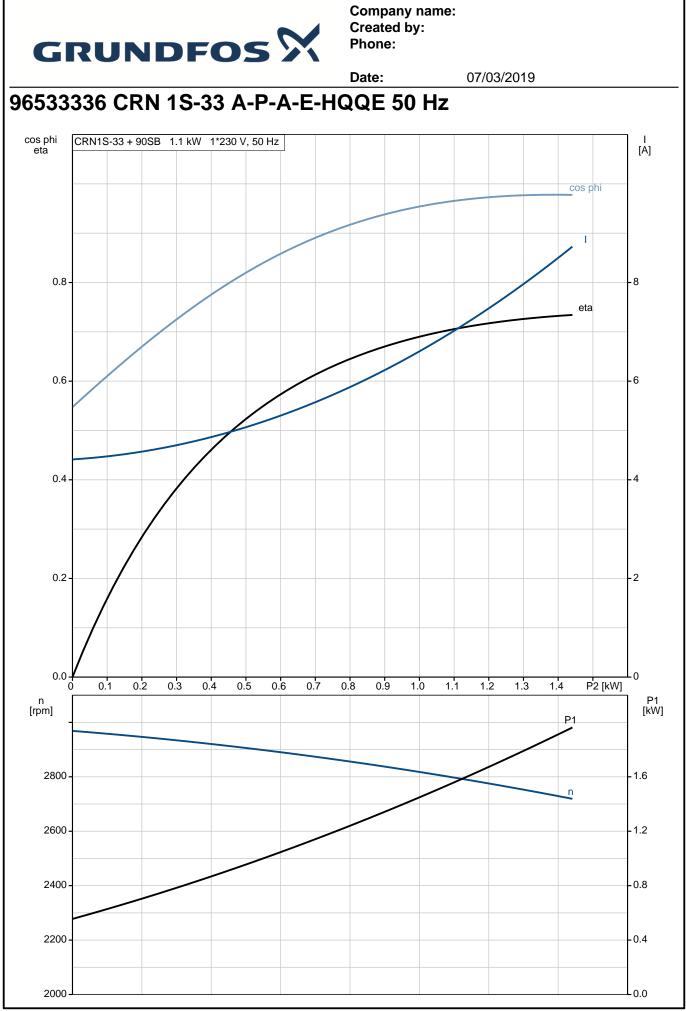
	Value	Date:	07/03/	07/03/2019		
Description General information:		H [m]		CRN 1S-33, 1*230 V, 50Hz [%		
Product name:	CRN 1S-33 A-P-A-E-HQQE	200 -				
Product No:	96533336	180 -				
EAN number:	5700397449264					
Price:	1.771,00 GBP	160 -			_	
Technical:	1.771,00 GBF					
Pump speed on which pump data are		140 -				
based:	2789 rpm	120 -			- 60	
Rated flow:	0.9 m³/h	100 -			- 50	
Rated head:	142.1 m					
Head max:	192 m	80 -			- 40	
Stages:	33	60 -			- 30	
Impellers:	33					
Number of reduced-diameter impellers:	0	40 -			20	
Low NPSH:	N	20 -			10	
Pump orientation:	Vertical	20			T <sup>10</sup>	
Shaft seal arrangement:	Single	0			$\Gamma^{0}$	
Code for shaft seal:	HQQE	0 0.1	0.2 0.3 0.4 0.5	0.6 0.7 0.8 0.9 Q [m <sup>3</sup> /h]	] NPSH	
Approvals on nameplate:	CE, EAC,ACS	P [W]		P1	[m]	
Curve tolerance:	ISO9906:2012 3B				[.	
Pump version:	A	1200 -			-6	
Model:	A	1000 -			- 5	
Materials:		800 -		P2	- 4	
Base:	Stainless steel	600 -			- 3	
	EN 1.4408					
	AISI 316	400 -			-2	
Impeller:	Stainless steel	200 -			- 1	
· ·	EN 1.4401	0			$\Box_0$	
	AISI 316	*				
Material code:	A	r	139			
Code for rubber:	E	—				
Bearing:	SIC	— (				
Installation:	-	581				
Maximum ambient temperature:	40 °C	— ``	4			
Maximum operating pressure:	25 bar					
Max pressure at stated temp:	25 bar / 120 °C	135 G 1/2	G 1/2			
- Freezens at states tomb	25 bar / -20 °C					
Type of connection:	PJE	<sup>6</sup>				
Size of inlet connection:	DN 32	G 1/2				
	1 1/4 inch					
Size of outlet connection:	DN 32	2				
	1 1/4 inch	<b>* +</b> †	100	180		
Pressure rating for pipe connection:	PN 50	L	<u>150</u> 210	210		
Flange size for motor:	FT115	<b>h</b>				
Connect code:	P	2				
	F'	and dire	CTION OF ROTATION	DIRECTION OF ROTATION		
Liquid:	Motor	BLACK		BLACK		
Pumped liquid:	Water					
Liquid temperature range:	-20 120 °C	MAIN VOLTAGE	W2 U2 V2 N			
Liquid temperature during operation:	20 °C				_	
Density:	998.2 kg/m³	= =	🗐 🖷			
Electrical data:	150				_	
Motor standard:	IEC					
Motor type:	90SB	BLACK		BLACK		
Rated power - P2:	1.1 kW					
Power (P2) required by pump:	1.1 kW	TAC				
Mains frequency:	50 Hz	3	<u> </u>			
Rated voltage:	1 x 220-230/240 V				2	
Rated current:	7.40/6.70 A		🖷 🖉		2	

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Company name: Created by: Phone:

Date: 07/03/2019 Description Value Starting current: 390 % 0.98/0.99 Cos phi - power factor: Rated speed: 2770 rpm Motor efficiency at full load: 73-71 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor protec: PTO Motor No: 85215705 Controls: Frequency converter: NONE Others: Minimum efficiency index, MEI ≥: 0.54 Net weight: 40.9 kg Gross weight: 46.3 kg Shipping volume: 0.133 m<sup>3</sup> Sales region: GB GB Country of origin: Custom tariff no .: 84137075



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