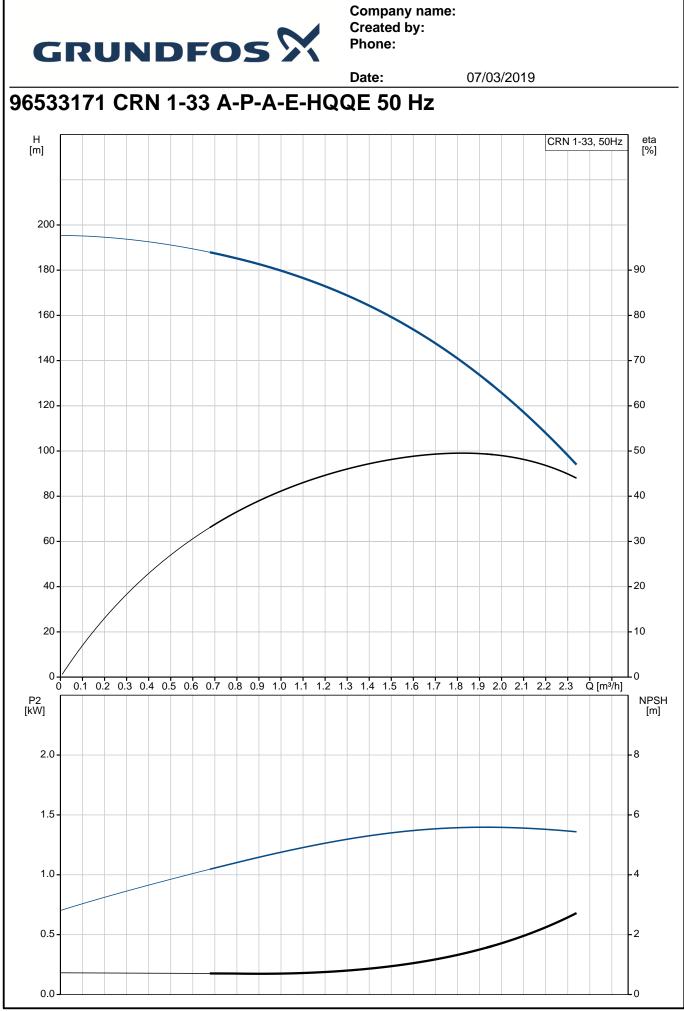
	GRUNDFO	os X	Company name: Created by: Phone:					
			Date:	07/03/2019				
Qty.	Description							
1	CRN 1-33 A-P-A-E-HQQE							
	Product No.: 96533171							
	Vertical, multistage centrifugal per contact with the liquid are in high handling, and easy access and s (Victaulic®) couplings.	ne the level (inline). Pump materials in aft seal ensures high reliability, safe igid split coupling. Pipe connection is via P.	JE					
	The pump is fitted with a 1-phase	e, fan-cooled asynch	nronous motor.					
	Controls:							
	Frequency converter:	NONE						
	<b>Liquid:</b> Pumped liquid: Liquid temperature range: Liquid temperature during operation Density:	Water -20 120 °C tion: 20 °C 998.2 kg/m³						
	Technical:							
	Pump speed on which pump dat		rpm					
	Rated flow: Rated head:	1.8 m³/h 144.6 m						
	Pump orientation:	Vertical						
	Shaft seal arrangement:	Single						
	Code for shaft seal:	HQQE						
		CE, EAC,ACS						
	Approvals on nameplate: Curve tolerance:	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:	40 °C						
	Maximum operating pressure:	25 bar						
	Max pressure at stated temp:	25 bar / 120 °C 25 bar / -20 °C						
	Type of connection:	PJE						
	Type of connection: Size of inlet connection:	DN 32						
	Size of outlet connection:	1 1/4 inch DN 32						
		1 1/4 inch						
	Pressure rating for pipe connecti							
	Flange size for motor:	FT115						

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Company name: Created by: Phone:

			Deter	07/00/0040	
	Description		Date:	07/03/2019	
•	Description				
	Electrical data:				
	Motor standard:	IEC			
	Motor type:	90LC			
	Rated power - P2:	2.2 kW			
	Power (P2) required by pump:	2.2 kW			
	Mains frequency:	50 Hz			
	Rated voltage:	1 x 220-230/240 V			
	Rated current:	14,0-13,6/12,6 A			
	Starting current:	330 %			
		1.00			
	Cos phi - power factor:				
	Rated speed:	2730/2720 rpm			
	Motor efficiency at full load:	75 %			
	Number of poles:	2			
	Enclosure class (IEC 34-5):	55 Dust/Jetting			
	Insulation class (IEC 85):	F			
	Others:				
	Minimum efficiency index, MEI				
	Net weight:	46.6 kg			
	Gross weight:	52 kg			
	Shipping volume:	0.133 m <sup>3</sup>			
	Country of origin:	HU			
	Custom tariff no.:	84137075			



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## Company name: Created by: Phone:

		Date:	07/03/20	19	
Description	Value	H [m]		CRN 1-33, 50Hz	eta [%
General information:	14140				
	CRN 1-33	200 -			
Product name:	A-P-A-E-HQQE	200 -			
Product No:	96533171	180 -			90
EAN number:	5700397430323				
Price:	2.219,00 GBP	160 -			- 80
Technical:		140 -			70
Pump speed on which pump data are	0700				
pased:	2730 rpm	120 -			60
Rated flow:	1.8 m³/h	100 -			50
Rated head:	144.6 m	100 -			Γ <sup>30</sup>
Head max:	199.8 m	80 -			- 40
Stages:	33				
mpellers:	33	60 -			- 30
Number of reduced-diameter impellers:	0	40 -			20
Low NPSH:	N				1
Pump orientation:	Vertical	20 -			10
Shaft seal arrangement:	Single	— <u> </u>			
Code for shaft seal:	HQQE		0.4 0.6 0.8 1.0 1.2 1	.4 1.6 1.8 2.0 Q [m³/h]	<b>L</b> 0
Approvals on nameplate:	CE, EAC,ACS	P2 [kW]			NP:
Curve tolerance:	ISO9906:2012 3B				[n
		2.0 -			- 8
Pump version:	A				
Model:	A	1.5 -			-6
Materials:					
Base:	Stainless steel	1.0 -			4
	EN 1.4408	_			1
	AISI 316	0.5 -			2
mpeller:	Stainless steel				
	EN 1.4401	0.0			L <sub>0</sub>
	AISI 316		9		
Material code:	А		178		
Code for rubber:	E				
Bearing:	SIC		THUT -		
nstallation:		321			
Maximum ambient temperature:	40 °C				
Maximum operating pressure:	25 bar	135			
Max pressure at stated temp:	25 bar / 120 °C	<u> </u>	G 1/2		
· · · ·	25 bar / -20 °C		1473		
Type of connection:	PJE	819			
Size of inlet connection:	DN 32	 G 1/2			
	1 1/4 inch				
Size of outlet connection:	DN 32	8		¥ II.	
	1 1/4 inch	- • • • • • • • • • • • • • • • • • • •	100	180	
Pressure rating for pipe connection:	PN 50		210	210	
Flange size for motor:	FT115	<b>k</b>	M		
•	Р			<u></u>	
Connect code:	۲	aD direct	ION OF ROTATION	D DIRECTION OF ROTATION	
Liquid:		BLACK		BLACK	
Pumped liquid:	Water	YELLO		YELLOW H	
Liquid temperature range:	-20 120 °C	HIGH VOLTAGE	¢¢¢_ ,		
Liquid temperature during operation:	20 °C				
Density:	998.2 kg/m³				5
Electrical data:					
Motor standard:	IEC				
Motor type:	90LC				
Rated power - P2:	2.2 kW	BLACK		BLACK	
Power (P2) required by pump:	2.2 kW	U YELLO		YELLOW YELLOW	
Mains frequency:	50 Hz				
		BROW			
Rated voltage:	1 x 220-230/240 V				

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Company name: Created by: Phone:

		Date:	07/03/2019	
Description	Value		01,0012010	
Description	Value			
Starting current:	330 %			
Cos phi - power factor:	1.00			
Rated speed:	2730/2720 rpm			
Motor efficiency at full load:	75 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protec:	PTO			
Motor No:	85215708			
Controls:				
Frequency converter:	NONE			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	46.6 kg			
Gross weight:	52 kg			
Shipping volume:	0.133 m <sup>3</sup>			
Sales region:	GB			
Country of origin:	HU			
Custom tariff no.:	84137075			

