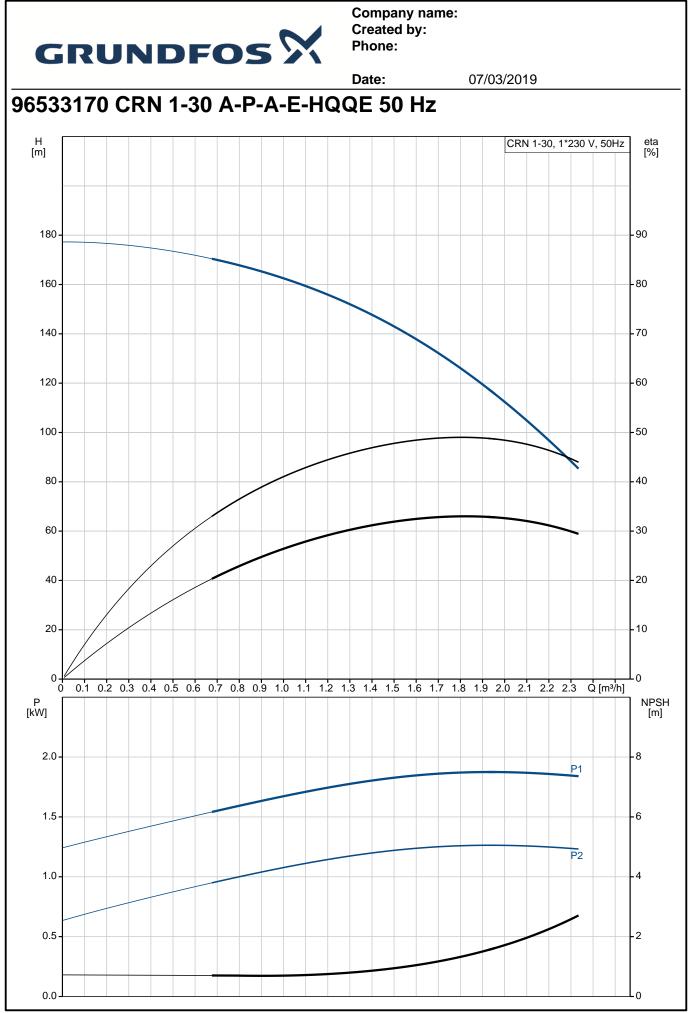
	RUNDFOS		Company name: Created by: Phone:				
			Date:	07/03/2019			
Qty.	Description						
1	CRN 1-30 A-P-A-E-HQQE						
	Product No.: 96533170						
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via PJE (Victaulic®) couplings.						
	The pump is fitted with a 1-phase	e, fan-cooled asynch	ronous 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 data are based: 2767 rpm   Rated flow: 1.8 m³/h						
	Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal:	128.4 m Vertical Single HQQE					
	Approvals on nameplate: Curve tolerance:	CE, EAC,ACS ISO9906:2012 3B					
	<b>Materials:</b> Base:	Stainless steel					
	Impeller:	EN 1.4408 AISI 316 Stainless steel EN 1.4401					
	Bearing:	AISI 316 SIC					
	Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	40 °C 25 bar 25 bar / 120 °C					
	Type of connection: Size of inlet connection:	25 bar / -20 °C PJE DN 32 1 1/4 inch					
	Size of outlet connection:	DN 32 1 1/4 inch					
	Pressure rating for pipe connecti Flange size for motor:	on: PN 50 FT115					



Company name: Created by: Phone:

GRUNDFO	DS X	Phone:	
		Date:	07/03/2019
Description			
Electrical data:	150		
Motor standard:	IEC		
Motor type:	90LB		
Rated power - P2:	1.5 kW		
Power (P2) required by pump:	1.5 kW		
Mains frequency:	50 Hz		
Rated voltage:	1 x 220-230/240 V		
Rated current:	9.90/8.90 A		
Starting current:	390 %		
Cos phi - power factor:	0.98/0.99		
Rated speed:	2750/2740 rpm		
Motor efficiency at full load:	72-70 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Others:			
Minimum efficiency index, MEI â	3%-¥· 0.70		
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		





## Company name: Created by: Phone:

		н		CRN 1-30, 1*	230 \/ 504-	] et
Description	Value	[m]		CRN 1-30, 1	230 V, 50HZ	[%
General information:	CDN 4 20					1
Product name:	CRN 1-30 A-P-A-E-HQQE	180 -				- 90
Product No:	96533170					
EAN number:	5700397430316	160 -				- 80
Price:	1.974,00 GBP	140 -				- 70
Technical:	- ,					10
Pump speed on which pump data are	0707	120 -				- 60
based:	2767 rpm					
Rated flow:	1.8 m³/h	100 -				- 50
Rated head:	128.4 m	80 -				- 40
Head max:	180.2 m	- 00				40
Stages:	30	60 -			$\sim$	- 30
Impellers:	30					
Number of reduced-diameter impellers:	0	40 -				- 20
Low NPSH:	N	- $  / /$				
Pump orientation:	Vertical	20-				- 10
Shaft seal arrangement:	Single	0				$\int_{0}$
Code for shaft seal:	HQQE	0 0.2 0.4	0.6 0.8 1.0 1.2	1.4 1.6 1.8 2.0	) Q [m³/h]	Ũ
Approvals on nameplate:	CE, EAC,ACS	P [kW]				NP:
Curve tolerance:	ISO9906:2012 3B	2.0				-8
Pump version:	A	2.0 -			<u>P1</u>	٢°
Model:	A	1.5				-6
Materials:		1.0				٢°
Base:	Stainless steel	1.0			P2	-4
	EN 1.4408	1.0				۲ª
	AISI 316	0.5				-2
Impeller:	Stainless steel	0.5				ſ
	EN 1.4401	0.0				
	AISI 316	0.0 -				-0
Material code:	A	139				
Code for rubber:	E		1			
Bearing:	SIC					
Installation:	510	321				
Maximum ambient temperature:	40 °C					
Maximum operating pressure:	25 bar					
	25 bar / 120 °C	135				
Max pressure at stated temp:	25 bar / -20 °C	<u>G 1/2</u>	G 1/2			
Type of connection:	PJE		−r′			
Size of inlet connection:	DN 32	465				
	1 1/4 inch	<u>G 1/2</u>				
Size of outlet connection:	1 1/4 Inch DN 32					
				180		
Droppurp roting for pine accuration	1 1/4 inch	150		210		
Pressure rating for pipe connection:	PN 50	210				
Flange size for motor:	FT115	-				
Connect code:	Р		OF ROTATION	DIRECTION OF	ROTATION	
Liquid:		BLAOK		BLACK		
Pumped liquid:	Water		<u> </u>	YELLOW	Hh	
Liquid temperature range:	-20 120 °C					
Liquid temperature during operation:	20 °C		<u>vvv</u> wy—-		v <u>ı) (wı</u> }—∟ Г⊆ Т	
Density:	998.2 kg/m³					5
Electrical data:			-			_
Motor standard:	IEC					
Motor type:	90LB			B 107		
Rated power - P2:	1.5 kW			BLACK		
Power (P2) required by pump:	1.5 kW			600	NNN	
Mains frequency:	50 Hz			AUX HIN	т wij wij	
Rated voltage:	1 x 220-230/240 V				La r	-
Rated current:	9.90/8.90 A	@		۵ <u>ــــــــــــــــــــــــــــــــــــ</u>		)



Company name: Created by: Phone:

		Date:	07/03/2019	
Description	Value			
Starting current:	390 %			
Cos phi - power factor:	0.98/0.99			
Rated speed:	2750/2740 rpm			
Motor efficiency at full load:	72-70 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protec:	PTO			
Motor No:	85215706			
Controls:				
Frequency converter:	NONE			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	40.9 kg			
Gross weight:	46.3 kg			
Shipping volume:	0.133 m <sup>3</sup>			
Sales region:	GB			
Country of origin:	GB			
Custom tariff no.:	84137075			

