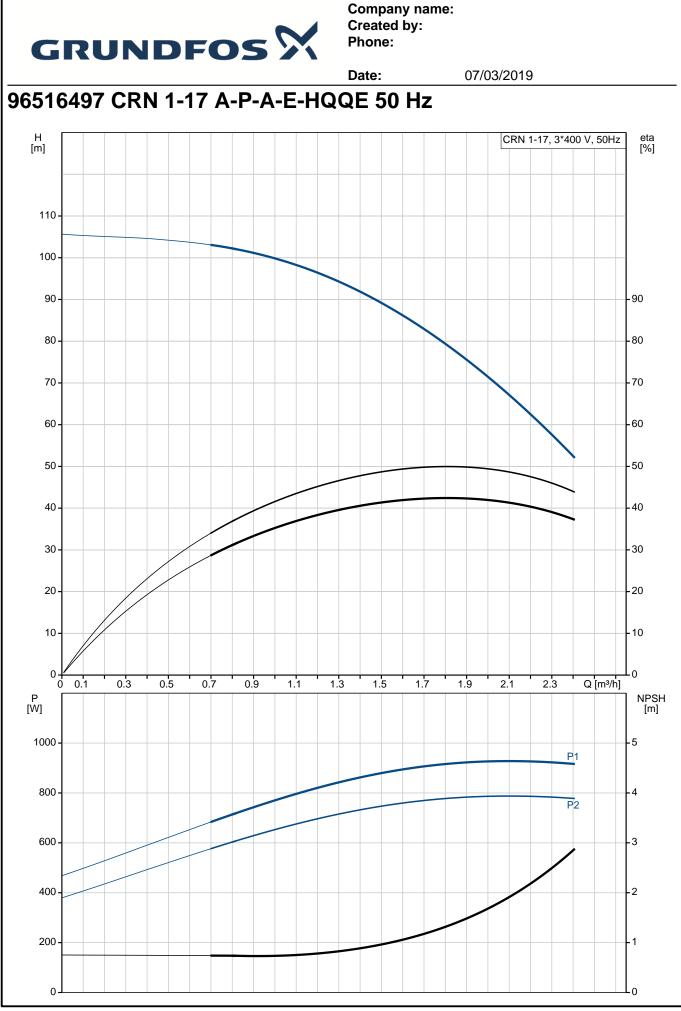
	<b>GRUNDFOS</b>		Company name: Created by: Phone:	
			Date:	07/03/2019
Qty.	Description			
1	CRN 1-17 A-P-A-E-HQQE			
	Product No.: 96516497			
	Vertical, multistage centrifugal pu contact with the liquid are in high handling, and easy access and s (Victaulic®) couplings.	-grade stainless stee	el. A cartridge shaft se	e level (inline). Pump materials in al ensures high reliability, safe lit coupling. Pipe connection is via PJE
	The pump is fitted with a 3-phase	e, fan-cooled asynch	ronous motor.	
	Controls:			
	Frequency converter:	NONE		
	<b>Liquid:</b> Pumped liquid: Liquid temperature range: Liquid temperature during operat Density:	Water -20 120 °C ion: 20 °C 998.2 kg/m <sup>3</sup>		
	Technical:			
	Pump speed on which pump data Rated flow:		.bw	
	Rated head:	1.8 m³/h 80.1 m		
	Pump orientation:	Vertical		
	Shaft seal arrangement:	Single		
	Code for shaft seal:	HQQE		
	Approvals on nameplate:	CE, EAC,ACS		
	Curve tolerance:	ISO9906:2012 3B		
	Martania			
	Materials: Base:	Stainless steel		
		EN 1.4408		
		AISI 316		
	Impeller:	Stainless steel EN 1.4401 AISI 316		
	Bearing:	SIC		
	Installation:			
	Maximum ambient temperature:	60 °C		
	Maximum operating pressure:	25 bar		
	Max pressure at stated temp:	25 bar /  120 °C 25 bar /  -20 °C		
	Type of connection:	PJE		
	Size of inlet connection:	DN 32		
	Size of outlet compactions	1 1/4 inch		
	Size of outlet connection:	DN 32 1 1/4 inch		
	Pressure rating for pipe connecti			
	Flange size for motor:	FT100		



Company name: Created by: Phone:

	Decemination	Date:	07/03/2019
<i>'</i> .	Description		
	Electrical data:	150	
	Motor standard:	IEC	
	Motor type:	80C	
	IE Efficiency class:	IE3	
	Rated power - P2:	1.1 kW	
	Power (P2) required by pump:	1.1 kW	
	Mains frequency:	50 Hz	
	Rated voltage:	3 x 220-240D/380-415Y V	
	Rated current:	4.35/2.50 A	
	Starting current:	450-500 %	
	Cos phi - power factor:	0.83-0.76	
	Rated speed:	2840-2870 rpm	
	Efficiency:	IE3 82,7%	
	Motor efficiency at full load:	82.7 %	
	Motor efficiency at 3/4 load:	84.6 %	
	Motor efficiency at 1/2 load:	85.4 %	
	Number of poles:	2	
	Enclosure class (IEC 34-5):	∠ 55 Dust/Jetting	
		F	
	Insulation class (IEC 85):	F	
	Others:		
	Minimum efficiency index, MEI á	≥: 0.70	
	Net weight:	27.3 kg	
	Gross weight:	31.3 kg	
	Shipping volume:	0.092 m <sup>3</sup>	
	Danish VVS No.:	385910017	
	Country of origin:	GB	
	Custom tariff no.:	84137075	



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## Company name: Created by: Phone:

		Date:	07/03/2	2019	
Description	Value	H [m]		CRN 1-17, 3*	400 V, 50Hz
General information:					
	CRN 1-17	110 -			
Product name:	A-P-A-E-HQQE				
Product No:	96516497	100 -			
EAN number:	5700396744346	90 -		$\searrow$	
Price:	1.190,00 GBP				
Technical:		80 -			
Pump speed on which pump data are	0050 man	70 -		$\rightarrow$	
based:	2853 rpm				
Rated flow:	1.8 m³/h	60 -			
Rated head:	80.1 m	50 -			
Head max:	105.4 m				$\rightarrow \parallel$
Stages:	17	40 -			
Impellers:	17	30 -			
Number of reduced-diameter impellers:	0				
Low NPSH:	N	20 -			
		10-			
Pump orientation:	Vertical	···]//			
Shaft seal arrangement:	Single	0			
Code for shaft seal:	HQQE	0 0.2	0.6 1.0	1.4 1.8	Q [m³/h]
Approvals on nameplate:	CE, EAC,ACS	[W]			
Curve tolerance:	ISO9906:2012 3B	1000 -			P1
Pump version:	A				
Model:	А	800 -			P2
Materials:		600 -			
Base:	Stainless steel				
	EN 1.4408	400 -			
	AISI 316				
Impeller:	Stainless steel	200 -			
	EN 1.4401				- I I.
	AISI 316	10	<u> </u>		
Material code:	A	(r_	141		
Code for rubber:	E	†	+-1		
Bearing:	SIC				
Installation:		251			
Maximum ambient temperature:	60 °C				
Maximum operating pressure:	25 bar	120			
Max pressure at stated temp:	25 bar / 120 °C	<u>G 1/2</u>	G 1/2		
	25 bar / -20 °C				
Type of connection:	PJE	212			
Size of inlet connection:	DN 32	G 1/2			
	1 1/4 inch				
Size of outlet connection:	DN 32				
	1 1/4 inch		100	180	
Propouro roting for pipe compatient			150	210	
Pressure rating for pipe connection:	PN 50	<b>-</b>	210		
Flange size for motor:	FT100		HIGH VOLTAGE	7	
Connect code:	Р		HIGH VOLTAGE ECTION OF ROTATION		
Liquid:					
Pumped liquid:	Water				
Liquid temperature range:	-20 120 °C		▓ᡚᢩᡰᡰᡰ_᠍		
Liquid temperature during operation:	20 °C				
Density:	998.2 kg/m³	— I			
Electrical data:	<u> </u>	≻ _ k			
Motor standard:	IEC		LOW VOLTAGE	4	
Motor type:	80C		ECTION OF ROTATION		
			<b>_</b>		
IE Efficiency class:	IE3		3		
Rated power - P2:	1.1 kW		ST II I		
Power (P2) required by pump:	1.1 kW				
Mains frequency:	50 Hz			2017 2017	
			<u>"</u> @ •		

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Company name: Created by: Phone:

		Date:	07/03/2019
Description	Value		
Rated voltage:	3 x 220-240D/380-415Y V		
Rated current:	4.35/2.50 A		
Starting current:	450-500 %		
Cos phi - power factor:	0.83-0.76		
Rated speed:	2840-2870 rpm		
Efficiency:	IE3 82,7%		
Motor efficiency at full load:	82.7 %		
Motor efficiency at 3/4 load:	84.6 %		
Motor efficiency at 1/2 load:	85.4 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	85905176		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	27.3 kg		
Gross weight:	31.3 kg		
Shipping volume:	0.092 m <sup>3</sup>		
Danish VVS No.:	385910017		
Country of origin:	GB		
Custom tariff no.:	84137075		

