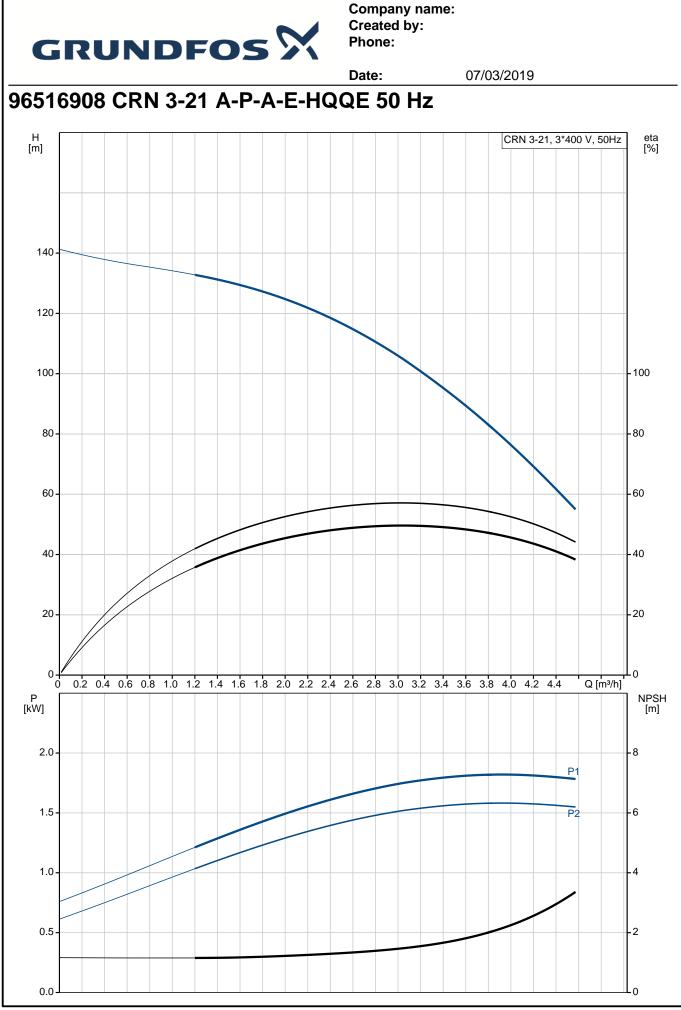
	GRUNDFO	os X	Company name: Created by: Phone:	
			Date:	07/03/2019
Qty.	Description			
1	CRN 3-21 A-P-A-E-HQQE			
	Product No.: 96516908			
	contact with the liquid are in high	-grade stainless ste	el. A cartridge sh	ne the level (inline). Pump materials in aft seal ensures high reliability, safe gid split coupling. Pipe connection is via PJE
	The pump is fitted with a 3-phase	e, fan-cooled asyncl	nronous motor.	
	Controls: Frequency converter:	NONE		
	Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operat Density:	Water -20 120 °C ion: 20 °C 998.2 kg/m ³		
	Technical: Pump speed on which pump date	a are based: 2899	rpm	
	Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3 m ³ /h 103.6 m Vertical Single HQQE CE, EAC,ACS ISO9906:2012 3B		
	Materials: 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:	25 bar 25 bar / 120 °C		
	Type of connection: Size of inlet connection:	25 bar / -20 °C PJE 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:	on: PN 50 FT115		

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Company name: Created by: Phone:

	Date:	07/03/2019
Description		
Electrical data:		
Notor standard:	IEC	
Notor type:	90LC	
E Efficiency class:	IE3	
Rated power - P2:	2.2 kW	
Power (P2) required by pump:	2.2 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-415Y V	
Rated current:	7.70/4.45 A	
Starting current:	850-950 %	
Cos phi - power factor:	0.89-0.87	
Rated speed:	2890-2910 rpm	
Efficiency:	IE3 85,9%	
Notor efficiency at full load:	85.9 %	
Notor efficiency at 3/4 load:	86.8 %	
Motor efficiency at 1/2 load:	86.0 %	
Number of poles:	2	
Enclosure class (IEC 34-5):	55 Dust/Jetting	
nsulation class (IEC 85):	F	
()		
Others:		
Minimum efficiency index, MEI		
Net weight:	39.7 kg	
Gross weight:	42.6 kg	
Shipping volume:	0.13 m³	
Danish VVS No.:	385911021	
Country of origin:	GB	
Custom tariff no.:	84137075	





Company name: Created by: Phone:

	Date:	07/03	/2019			
Description Value		H [m]		CRN 3-21, 3*400 V, 50Hz		eta [%]
General information:						
Product name:	CRN 3-21 A-P-A-E-HQQE					
Product No:	96516908	140 -				
EAN number:	5700396752297					
Price:	1.526,00 GBP	120 -				
Technical:						
Pump speed on which pump data are based:	2899 rpm	100 -				- 100
Rated flow:	3 m³/h	80 -				- 80
Rated head:	103.6 m					
Head max:	139.9 m	60 -				- 60
Stages:	21				<u> </u>	
Impellers:	21	40 -			\sim	- 40
Number of reduced-diameter impellers:	0					
Low NPSH:	Ν	20 -				- 20
Pump orientation:	Vertical					
Shaft seal arrangement:	Single					-0
Code for shaft seal:	HQQE	0 0.5	1.0 1.5 2.0	2.5 3.0 3.5 4.	0 Q [m³/h]	
Approvals on nameplate:	CE, EAC,ACS	P [kW]				NPSI [m]
Curve tolerance:	ISO9906:2012 3B	2.0 -				-8
Pump version:	А				<u>P1</u>	
Model:	A	1.5 -			P2	-6
Materials:						
Base:	Stainless steel	1.0 -				- 4
	EN 1.4408					
	AISI 316	0.5				-2
Impeller:	Stainless steel					
	EN 1.4401	0.0				- 0
	AISI 316)			
Material code:	А		178			
Code for rubber:	E		+			
Bearing:	SIC					
Installation:		321				
Maximum ambient temperature:	60 °C	Į				
Maximum operating pressure:	25 bar	135				
Max pressure at stated temp:	25 bar / 120 °C	<u>G 1/2</u>	G 1/2			
	25 bar / -20 °C			5 Z		
Type of connection:	PJE	603				
Size of inlet connection:	DN 32	<u>G 1/2</u>	<u>4 × 13</u>	_ {		
	1 1/4 inch					
Size of outlet connection:	DN 32			180		
	1 1/4 inch		150	210		
Pressure rating for pipe connection:	PN 50		210			
Flange size for motor:	FT115		OW VOLTAGE			
Connect code:	Р		TION OF ROTATION			
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-20 120 °C					
Liquid temperature during operation:	20 °C	│				
Density:	998.2 kg/m³					
Electrical data:						
Motor standard:	IEC		H VOLTAGE N OF ROTATION			
Motor type:	90LC					
IE Efficiency class:	IE3					
Rated power - P2:	2.2 kW		(WSHOSHAS)			
Power (P2) required by pump:	2.2 kW	_ │ ♥♥♥	(U1) (V1) (W1)			
Mains frequency:	50 Hz		Ĩ			
			L1 L2 L3			

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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:	7.70/4.45 A		
Starting current:	850-950 %		
Cos phi - power factor:	0.89-0.87		
Rated speed:	2890-2910 rpm		
Efficiency:	IE3 85,9%		
Motor efficiency at full load:	85.9 %		
Motor efficiency at 3/4 load:	86.8 %		
Motor efficiency at 1/2 load:	86.0 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	85U05908		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	39.7 kg		
Gross weight:	42.6 kg		
Shipping volume:	0.13 m³		
Danish VVS No.:	385911021		
Country of origin:	GB		
Custom tariff no.:	84137075		

