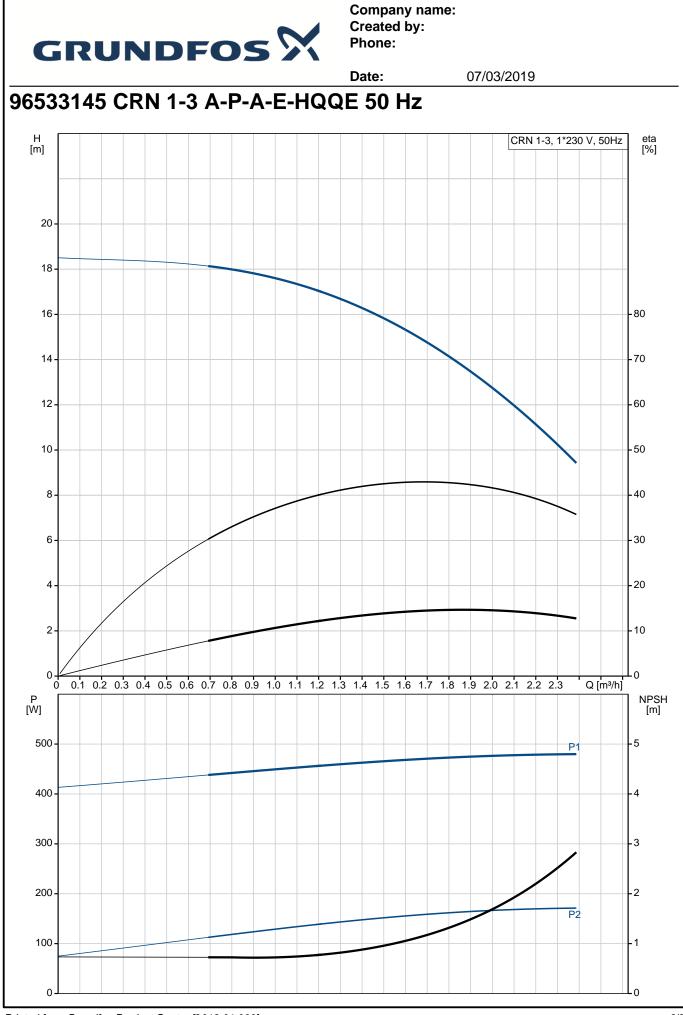
	GRUNDFO	os X	Company na Created by: Phone:	ame:		
			Date:	07/03/2019		
lty.	Description					
1	CRN 1-3 A-P-A-E-HQQE					
	Product No.: 96533145					
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade 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 PJ (Victaulic®) couplings. The pump is fitted with a 1-phase, fan-cooled asynchronous motor.					
	Controls:					
	Frequency converter:	NONE				
	Liquid:					
	Pumped liquid:	Water				
	Liquid temperature range:	-20 120 °C				
	Liquid temperature during operation	tion: 20 °C				
	Density:	998.2 kg/m³				
	Technical:					
	Pump speed on which pump data are based: 2757 rpm					
	Rated flow:	1.8 m³/h				
	Rated head:	15.4 m				
	Pump orientation:	Vertical				
	Shaft seal arrangement:	Single				
	Code for shaft seal:	HQQE				
	Approvals on nameplate:	CE, EAC,ACS				
	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				
	Size of inlet connection:	DN 32				
		1 1/4 inch				
	Size of outlet connection:	DN 32				
		1 1/4 inch				
		,				
	Pressure rating for pipe connecti	on: PN 50				



Company name: Created by: Phone:

Joint Description Electrical data: EC Mater standard: EC Mater type: 718 Read power: P2: 0.37 kW Power (P2): poulied by pump: 0.37 kW Partial voltage: 12.20-230/240 V Relation voltage: 2.85/2.70 A Statting current: 2.05/2.70 A Enclosure class (IEC 34-5): 5 Enclosure class (IEC 45): F Otres: Minimum efficiency index, MEI #&* 0.70 Net weight: 17.3 kg Gross weight: 19.8 kg Shipping volume: 0.054 m² Country of origin: Gef m² Custom tantf no.: 84137075		GRUNDFOS		Phone:		
Electrical data: Motor standard:IECMotor standard:IECMotor type:71BRated power - P2:0.37 kWPower (P2) required by pump:0.37 kWMains frequency:50 HzRated voltage:1 x 220-230/240 VRated voltage:1 x 220-230/240 VRated current:2.95/2.70 AStarting current:280 %Cos phi - power factor:0.99Rated speed:2770 rpmMotor efficiency at full load:60.0-56.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers: Gross weight:17.3 kgGross weight:19.9 kgShipping volume:0.054 m³Country of origin:GB				Date:	07/03/2019	
Motor standard:IECMotor type:71BRated power - P2:0.37 kWPower (P2) required by pump:0.37 kWMains frequency:50 HzRated voltage:1 x 220-230/240 VRated current:2.95/2.70 AStarting current:280 %Cos phi - power factor:0.99Rated speed:2770 rpmMotor efficiency at full load:60.0-56.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:0.70Minimum efficiency index, MEI \hat{a}_{∞} ¥:0.70Net weight:17.3 kgGross weight:19.9 kgShipping volume:0.054 m³Country of origin:GB	ty.					
Motor type:71BRated power - P2: 0.37 kW Power (P2) required by pump: 0.37 kW Mains frequency: 50 Hz Rated voltage: $1 \times 220-230/240 \text{ V}$ Rated current: $2.95/2.70 \text{ A}$ Starting current: 280% Cos phi - power factor: 0.99 Rated speed: 2770 rpm Motor efficiency at full load: $60.0-56.0 \%$ Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.70Net weight:19.9 kgShipping volume: 0.054 m^3 Country of origin:GB			150			
Rated power - P2: 0.37 kW Power (P2) required by pump: 0.37 kW Mains frequency: 50 Hz Rated voltage: $1 \times 220-230/240 \text{ V}$ Rated current: $2.95/2.70 \text{ A}$ Starting current: 280% Cos phi - power factor: 0.99 Rated speed: 2770 rpm Motor efficiency at full load: $60.0-56.0 \%$ Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.70Net weight:17.3 kgGross weight: 19.9 kg Shipping volume: 0.054 m^3 Country of origin:GB						
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Rated current:2.95/2.70 ÅStarting current:280 %Cos phi - power factor:0.99Rated speed:2770 rpmMotor efficiency at full load:60.0-56.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.70Net weight:17.3 kgGross weight:19.9 kgShipping volume:0.054 m³Country of origin:GB						
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Net weight:17.3 kgGross weight:19.9 kgShipping volume:0.054 m³Country of origin:GB						
Gross weight:19.9 kgShipping volume:0.054 m³Country of origin:GB						
Shipping volume:0.054 m³Country of origin:GB						
Country of origin: GB						
Custom tariff no.: 84137075		Country of origin:				
		Custom tariff no.:	84137075			





Company name: Created by: Phone:

		Date:	07/03/2019
Description	Value	H [m]	CRN 1-3, 1*230 V, 50Hz [%]
General information:			
Product name:	CRN 1-3 A-P-A-E-HQQE	20 -	
Product No:	96533145	18 -	
EAN number:	5700397428337		
Price:	769,00 GBP	16 -	- 80
Technical:		14 -	70
Pump speed on which pump data are		14 -	
based:	2757 rpm	12 -	60
Rated flow:	1.8 m³/h	10 -	
Rated head:	15.4 m		
Head max:	19.1 m	8-	40
Stages:	3	6	- 30
Impellers:	3		
Number of reduced-diameter impellers:	0	4 -	- 20
Low NPSH:	Ν		
Pump orientation:	Vertical	2-	- 10
Shaft seal arrangement:	Single	0	0
Code for shaft seal:	HQQE	0 0.2 0.4 0.6 0.8	3 1.0 1.2 1.4 1.6 1.8 2.0 Q [m ³ /h]
Approvals on nameplate:	CE, EAC,ACS	P [W]	NPS [m
Curve tolerance:	ISO9906:2012 3B	500 -	<u>P1</u> -5
Pump version:	А	100	
Model:	Α	400 -	
Materials:		300 -	- 3
Base:	Stainless steel		
	EN 1.4408	200 -	2
	AISI 316		P2
Impeller:	Stainless steel	100 -	
•	EN 1.4401		0
	AISI 316	1	_0
Material code:	A	133	
Code for rubber:	E		
Bearing:	SIC		
Installation:			
Maximum ambient temperature:	40 °C		
Maximum operating pressure:	25 bar		
Max pressure at stated temp:	25 bar / 120 °C		1/2
	25 bar / -20 °C		
Type of connection:	PJE		
Size of inlet connection:	DN 32	52	
	1 1/4 inch		
Size of outlet connection:	DN 32		
	1 1/4 inch	100	
Pressure rating for pipe connection:	PN 50	210	210
Pressure rating for pipe connection: Flange size for motor:	FT85		
Connect code:	P	LOW VOLTAGE	
	٢	LOW VOLTAGE DIRECTION OF ROTATION	_
Liquid:	Matar		
Pumped liquid:	Water		
Liquid temperature range:	-20 120 °C		
Liquid temperature during operation:	20 °C	_ [_]
Density:	998.2 kg/m³	─ ॖ [4 ,	
Electrical data:			
Motor standard:	IEC	HIGH VOLTAGE DIRECTION OF ROTATION	
Motor type:	71B	[[[
Rated power - P2:	0.37 kW		<u>s</u>
Power (P2) required by pump:	0.37 kW	ၘၜၯၯႍၮၘၟႜ႞ၭႍႜ႞	<
Mains frequency:	50 Hz		
Rated voltage:	1 x 220-230/240 V		
Rated current:	2.95/2.70 A		

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Company name: Created by: Phone:

		Date:	07/03/2019	
Description	Value			
Starting current:	280 %			
Cos phi - power factor:	0.99			
Rated speed:	2770 rpm			
Motor efficiency at full load:	60.0-56.0 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protec:	PTO			
Motor No:	85215102			
Controls:				
Frequency converter:	NONE			
Others:				
Minimum efficiency index, MEI ≥:	0.70			
Net weight:	17.3 kg			
Gross weight:	19.9 kg			
Shipping volume:	0.054 m ³			
Sales region:	GB			
Country of origin:	GB			
Custom tariff no.:	84137075			

