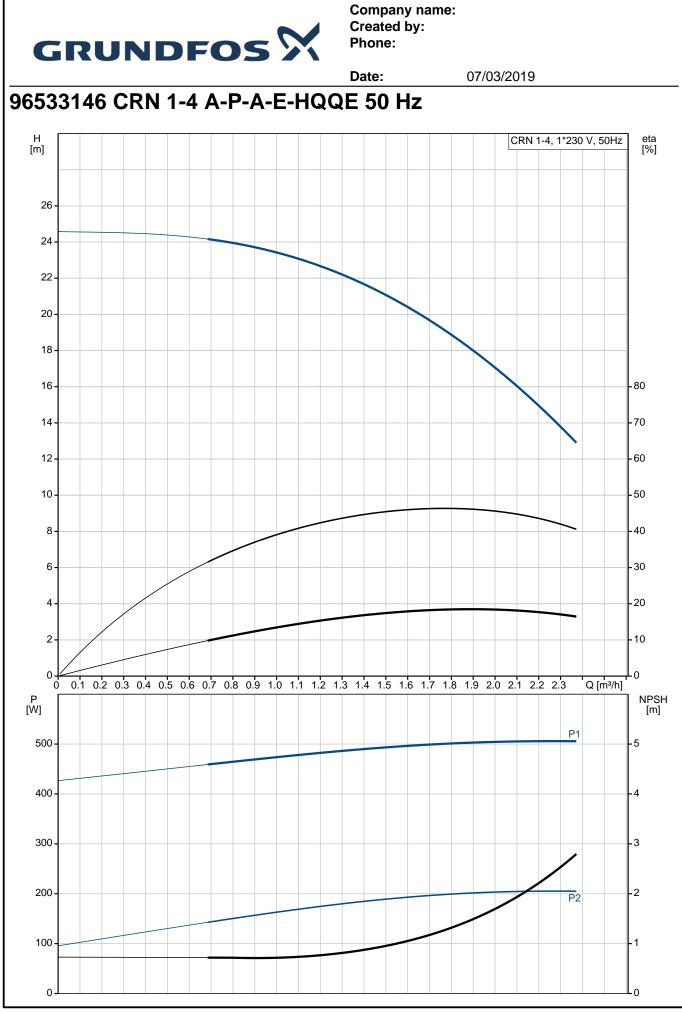
	GRUNDFO	os X	Company nar Created by: Phone:	ne:	
			Date:	07/03/2019	
lty.	Description				
1	CRN 1-4 A-P-A-E-HQQE				
	Product No.: 96533146				
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless 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 F (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	ion: 20 °C			
	Density:	998.2 kg/m ³			
	Technical:				
	Pump speed on which pump dat				
	Rated flow:	1.8 m³/h	ľ		
	Rated head:	19.8 m			
	Pump orientation:	Vertical			
	Shaft seal arrangement:	Single			
	Code for shaft seal:	HQQE			
	Approvals on nameplate:	CE, EAC,ACS			
	Curve tolerance:	ISO9906:2012 3B			
		1309900.2012 38			
	Materials:	a			
	Base:	Stainless steel			
		EN 1.4408			
	Las a Real	AISI 316			
	Impeller:	Stainless steel			
		EN 1.4401			
	Bearing:	AISI 316 SIC			
	Installation:	40 °C			
	Maximum ambient temperature:				
	Maximum operating pressure:	25 bar 25 bar / 120 °C			
	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				
	Flange size for motor:	FT85			



Company name: Created by: Phone:

bar scription betrical data: tor standard: IEC tor type: 718 ted power - P2: 0.37 kW wer (P2) required by pump: 0.37 kW tot ofted speed: 2.95/2.70 A ating current: 2.80 % sphi - power factor: 0.99 ted speed: 2.770 rpm tot officiency at full load: 60.0-56.0 % mber of poles: 2. closure class (IEC 34-5): 5 Dust/Jetting uation class (IEC 85): T hers: numur efficiency index, MEI â%*: 0.70 t weight: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m ³ untry of origin: GB stom tariff no.: 84137075	te: 07/03/2019
Pectrical data:botor standard:IECbotor type:71Bted power - P2:0.37 kWwer (P2) required by pump:0.37 kWanis frequency:50 Hzted voltage:1 x 220-230/240 Vted voltage:1 x 220-230/240 Vted current:2.95/2.70 Aarting current:280 %s phi - power factor:0.99ted speed:2770 rpmotor efficiency at full load:60.0-56.0 %mber of poles:2closure class (IEC 34-5):55 Dust/Jettingsulation class (IEC 85):Fhers:nimum efficiency index, MEI ≥:0.7017.7 kgoss weight:20.3 kgipping volume:0.054 m³ountry of origin:GB	
botor standard:IECotor type:71Bted power - P2: 0.37 kW wer (P2) required by pump: 0.37 kW uins frequency: 50 Hz ted voltage: $1 \times 220-230/240 \text{ V}$ ted current: $2.95/2.70 \text{ A}$ arting current: 280% s phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m^3 ountry of origin:GB	
bit of type:71Bted power - P2: 0.37 kW wer (P2) required by pump: 0.37 kW uins frequency: 50 Hz ted voltage: $1 \text{ x } 220-230/240 \text{ V}$ ted voltage: $1 \text{ x } 220-230/240 \text{ V}$ ted current: $2.95/2.70 \text{ A}$ arting current: 280% s phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI $\hat{a}\%$ ¥:0.70 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m^3 ountry of origin:GB	
ted power - P2: 0.37 kW wer (P2) required by pump: 0.37 kW ains frequency: 50 Hz ted voltage: $1 \text{ x } 220-230/240 \text{ V}$ ted voltage: $1 \text{ x } 220-230/240 \text{ V}$ ted current: $2.95/2.70 \text{ A}$ arting current: 280% s phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI $\hat{a}\%$ ¥:0.70 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m^3 ountry of origin:GB	
wer (P2) required by pump: 0.37 kW ains frequency: 50 Hz ted voltage: $1 \times 220-230/240 \text{ V}$ ted current: $2.95/2.70 \text{ A}$ arting current: 280% s phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI \hat{a}_{∞} ¥: 0.70 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m^3 ountry of origin:GB	
tins frequency:50 Hzted voltage: $1 \times 220-230/240 \vee$ ted current: $2.95/2.70 \wedge$ arting current: 280% s phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI $\hat{a}\%$ ¥:0.70 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m^3 ountry of origin:GB	
ted voltage: $1 \times 220-230/240 \vee$ ted current: $2.95/2.70 \wedge$ arting current: 280% s phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI \hat{a} ‰¥: 0.70 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m^3 untry of origin:GB	
ted current: $2.95/2.70 \text{ A}$ arting current: 280% as phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI ≥:0.7017.7 kgoss weight: 20.3 kg ipping volume: 0.054 m^3 untry of origin:GB	
arting current: 280% as phi - power factor: 0.99 ted speed: 2770 rpm otor efficiency at full load: $60.0-56.0 \%$ mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85):Fhers:nimum efficiency index, MEI ≥:0.7017.7 kgoss weight: 20.3 kg ipping volume: 0.054 m^3 untry of origin:GB	
s phi - power factor: 0.99 ted speed: 2770 rpm btor efficiency at full load: 60.0-56.0 % mber of poles: 2 closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85): F hers: nimum efficiency index, MEI ≥: 0.70 t weight: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m ³ untry of origin: GB	
ted speed:2770 rpmbotor efficiency at full load:60.0-56.0 %mber of poles:2closure class (IEC 34-5):55 Dust/Jettingsulation class (IEC 85):Fhers:nimum efficiency index, MEI ≥:0.7017.7 kgoss weight:20.3 kgipping volume:0.054 m³untry of origin:GB	
botor efficiency at full load:60.0-56.0 %mber of poles:2closure class (IEC 34-5):55 Dust/Jettingsulation class (IEC 85):Fhers:nimum efficiency index, MEI ≥:0.70t weight:17.7 kgoss weight:20.3 kgipping volume:0.054 m³untry of origin:GB	
mber of poles:2closure class (IEC 34-5):55 Dust/Jettingsulation class (IEC 85):Fhers:nimum efficiency index, MEI ≥:0.70t weight:17.7 kgoss weight:20.3 kgipping volume:0.054 m³untry of origin:GB	
closure class (IEC 34-5): 55 Dust/Jetting sulation class (IEC 85): F hers: himum efficiency index, MEI ≥: 0.70 t weight: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m³ untry of origin: GB	
Aulation class (IEC 85): F hers: himum efficiency index, MEI ≥: 0.70 it weight: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m ³ untry of origin: GB	
nimum efficiency index, MEI ≥: 0.70 t weight: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m³ untry of origin: GB	
nimum efficiency index, MEI ≥: 0.70 t weight: 17.7 kg oss weight: 20.3 kg ipping volume: 0.054 m³ untry of origin: GB	
t weight:17.7 kgoss weight:20.3 kgipping volume:0.054 m³untry of origin:GB	
oss weight:20.3 kgipping volume:0.054 m³untry of origin:GB	
ipping volume: 0.054 m ³ untry of origin: GB	
stom tariff no.: 84137075	





Company name: Created by: Phone:

		Date:	07/03/2019	
Description	Value	H [m]	CR	N 1-4, 1*230 V, 50Hz
General information:				
Product name:	CRN 1-4	26 -		
	A-P-A-E-HQQE	24 -		
Product No:	96533146	22 -		
EAN number:	5700397428344			
Price:	794,00 GBP	20 -		
Technical:		18 -		
Pump speed on which pump data are	2757 rpm	16 -		- 80
based:	2757 ipin	14		70
Rated flow:	1.8 m³/h			
Rated head:	19.8 m	12 -		- 60
Head max:	25.2 m	10 -		- 50
Stages:	4	8 -		-40
Impellers:	4			
Number of reduced-diameter impellers:	0	6 -		- 30
Low NPSH:	N	4 -		- 20
Pump orientation:	Vertical	2-		- 10
Shaft seal arrangement:	Single	_ //		
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 [m ³ /h]
Approvals on nameplate:	CE, EAC,ACS	P [W]		N
Curve tolerance:	ISO9906:2012 3B	[W] 500 -		<u>P1</u> 5
Pump version:				
Model:	A	400 -		- 4
	А			
Materials:	0 , 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	300 -		-3
Base:	Stainless steel	200 -		2
	EN 1.4408	200 -		P2 2
	AISI 316	100 -		
Impeller:	Stainless steel			
	EN 1.4401	0		Lo
	AISI 316	B	33	
Material code:	A		<u>33</u> . 	
Code for rubber:	E			
Bearing:	SIC			
Installation:		191		
Maximum ambient temperature:	40 °C			
Maximum operating pressure:	25 bar			
Max pressure at stated temp:	25 bar / 120 °C		G 1/2	
	25 bar / -20 °C			
Type of connection:	PJE			,
Size of inlet connection:	DN 32	G 1/2		
	1 1/4 inch			
Size of outlet connection:	DN 32	22		 =
	1 1/4 inch	* + †F		-
Dropouro roting for pipe occasedian			<u>150</u> 210	_
Pressure rating for pipe connection:	PN 50	k		
Flange size for motor:	FT85	LOW VOLTA		
Connect code:	Р		OF ROTATION	
Liquid:				
Pumped liquid:	Water	2000 12000	AUX AUX	
Liquid temperature range:	-20 120 °C		ני ∎ב ∎יון	
Liquid temperature during operation:	20 °C			
Density:	998.2 kg/m³			
Electrical data:				
Motor standard:	IEC	HIGH VOLT DIRECTION	IGE OF ROTATION	
Motor type:	71B			
Rated power - P2:	0.37 kW	[@@@@@		
Power (P2) required by pump:	0.37 kW	La		
Mains frequency:	50 Hz	──│॒┴┴┴┘	· • • • • • • • • • • • • • • • • • •	
Rated voltage:	1 x 220-230/240 V	— <u> </u>		
Rated current:	2.95/2.70 A	_ ॖ [_ , 世		
	2.33/2.10 A			

Printed from Grundfos Product Centre [2019.01.000]



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:	17.7 kg		
Gross weight:	20.3 kg		
Shipping volume:	0.054 m ³		
Sales region:	GB		
Country of origin:	GB		
Custom tariff no.:	84137075		

