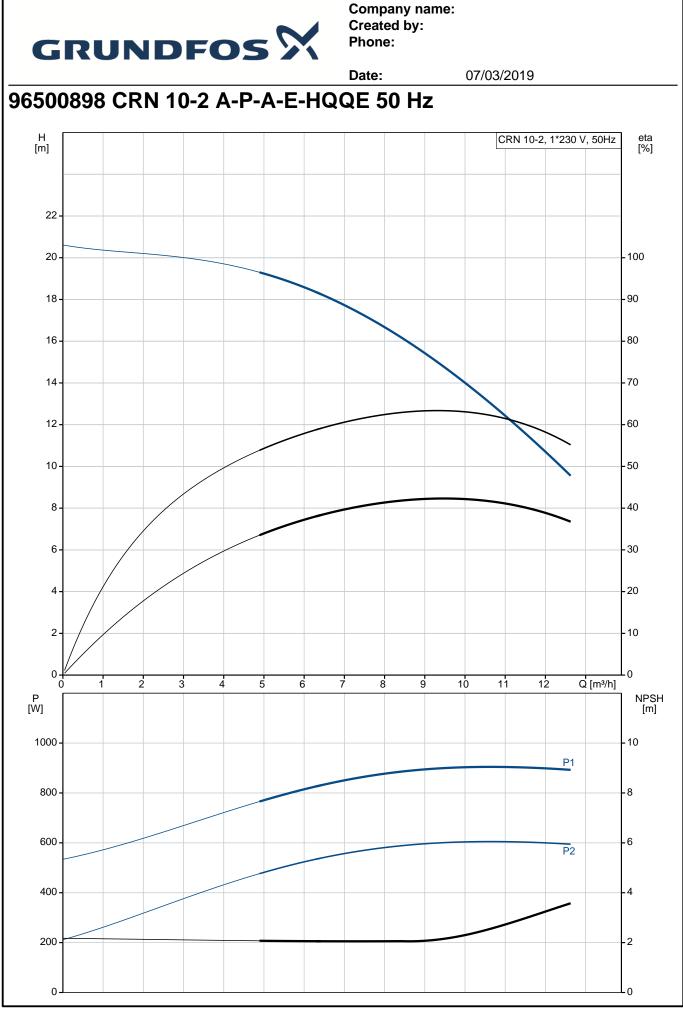
	GRUNDFOS		Company name: Created by: Phone:		
			Date:	07/03/2019	
Qty.	Description				
1	CRN 10-2 A-P-A-E-HQQE				
	Product No.: 96500898				
	contact with the liquid are in high	-grade stainless stee	 A cartridge sha 	e the level (inline). Pump materials in aft seal ensures high reliability, safe gid split coupling. Pipe connection is via PJE	
	The pump is fitted with a 1-phase	e, fan-cooled asynch	ronous motor.		
	Controls:				
	Frequency converter:	NONE			
	Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -20 120 °C ion: 20 °C 998.2 kg/m ³			
	Technical:	-			
	Pump speed on which pump dat		pm		
	Rated flow: Rated head:	10 m³/h 14.2 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:	Stainlage at -1			
	Base: Impeller:	Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4401			
	Bearing:	AISI 316 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 50			
	Size of outlet connection:	2 inch DN 50 2 inch			
	Pressure rating for pipe connect				
	Flange size for motor:	FT100			



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Description Electrical data: Motor standard: IEC Motor standard: 075 kW Power (P2): 0.75 kW Power (P2): 0.75 kW Power (P2): 0.75 kW Rated voltage: 1 x 220-230/240 V Rated voltage: 0.99 Rated voltage: 72.1% Mumber of poles: 2 Efficiency: 72.1% Number of poles: 2 Enclosure class (IEC 34-5): F Others: 33 kg Grass weight: 33 kg Grass weight: 36 kg Shipping volume: 0.08 m³ Country of origin: GB Custom tariff no.: 84137075			Date:	07/03/2019
Electrical data:Motor standard:IECMotor type:80BRated power - P2:0.75 kWPower (P2) required by pump:0.75 kWMains frequency:50 HzRated voltage:1 x 220-230/240 VRated voltage:1 x 220-230/240 VRated current:5.10/4.75 AStarting current:300 %Cos phi - power factor:0.99Rated speed:2780 rpmEfficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEI \hat{a}_{∞} ¥:0.70Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB0.8 m³	Description			
Motor standard:IECMotor type:80BRated power - P2:0.75 kWPower (P2) required by pump:0.75 kWMains frequency:50 HzRated voltage:1 x 220-230/240 VRated current:5.10/4.75 AStarting current:300 %Cos phi - power factor:0.99Rated speed:2780 rpmEfficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:33 kgMinimum efficiency index, MEI ≥:0.70Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB	-			
Motor type:80BRated power - P2:0.75 kWPower (P2) required by pump:0.75 kWMains frequency:50 HzRated voltage:1 x 220-230/240 VRated current:5.10/4.75 AStarting current:300 %Cos phi - power factor:0.99Rated speed:2780 rpmEfficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:33 kgMinimum efficiency index, MEI ≥:0.70Net weight:36 kgShipping volume:0.08 m³Country of origin:GB		IEC		
Rated power - P2: 0.75 kW Power (P2) required by pump: 0.75 kW Mains frequency: 50 Hz Rated voltage: $1 \times 220-230/240 \text{ V}$ Rated current: $5.10/4.75 \text{ A}$ Starting current: 300% Cos phi - power factor: 0.99 Rated speed: 2780 rpm Efficiency: 72.1% Motor efficiency at full load: 72.1% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers: 31 kg Minimum efficiency index, MEI $\hat{a}\%$ ¥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m^3 Country of origin:GB	Motor type:			
Power (P2) required by pump: 0.75 kW Mains frequency: 50 Hz Rated voltage: $1 \times 220-230/240 \text{ V}$ Rated current: $5.10/4.75 \text{ A}$ Starting current: 300% Cos phi - power factor: 0.99 Rated speed: 2780 rpm Efficiency: 72.1% Motor efficiency at full load: 72.1% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m^3 Country of origin: GB				
Mains frequency:50 HzRated voltage:1 x 220-230/240 VRated current:5.10/4.75 AStarting current:300 %Cos phi - power factor:0.99Rated speed:2780 rpmEfficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.7033 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB				
Rated voltage:1 x 220-230/240 VRated current: $5.10/4.75 \text{ A}$ Starting current: 300% Cos phi - power factor: 0.99 Rated speed: 2780 rpm Efficiency: 72.1% Motor efficiency at full load: 72.1% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers: $Minimum efficiency index, MEI \hat{a}\%¥:Minimum efficiency index, MEI \hat{a}\%¥:0.70Net weight:33 \text{ kg}Gross weight:36 \text{ kg}Shipping volume:0.08 \text{ m}^3Country of origin:GB$				
Rated current: $5.10/4.75 \text{ A}$ Starting current: 300% Cos phi - power factor: 0.99 Rated speed: 2780 rpm Efficiency: 72.1% Motor efficiency at full load: 72.1% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers: $Minimum efficiency index, MEI almost:Minimum efficiency index, MEI almost:0.70Net weight:33 \text{ kg}Gross weight:36 \text{ kg}Shipping volume:0.08 \text{ m}^3Country of origin:GB$				
Starting current: 300% Cos phi - power factor: 0.99 Rated speed: 2780 rpm Efficiency: 72.1% Motor efficiency at full load: 72.1% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FOthers:Minimum efficiency index, MEI $\hat{a}\%$ ¥:0.70Net weight:33 kgGross weight: 36 kg Shipping volume: 0.08 m^3 Country of origin:GB				
Cos phi - power factor:0.99Rated speed:2780 rpmEfficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.70Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB				
Rated speed:2780 rpmEfficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEI ≥:0.70Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB				
Efficiency:72.1%Motor efficiency at full load:72.1 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FOthers:Minimum efficiency index, MEI \hat{a} %*:0.70Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB				
Motor efficiency at full load: 72.1 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m³ Country of origin: GB				
Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Others: F Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m³ Country of origin: GB				
Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m³ Country of origin: GB				
Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m ³ Country of origin: GB	Enclosure class (IEC 34-5):			
Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m³ Country of origin: GB				
Minimum efficiency index, MEI ≥:0.70Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB		Г		
Net weight:33 kgGross weight:36 kgShipping volume:0.08 m³Country of origin:GB	Others:			
Gross weight:36 kgShipping volume:0.08 m³Country of origin:GB				
Shipping volume:0.08 m³Country of origin:GB				
Country of origin: GB				
	Shipping volume:			
Custom tariff no.: 84137075				
	Custom tariff no.:	84137075		



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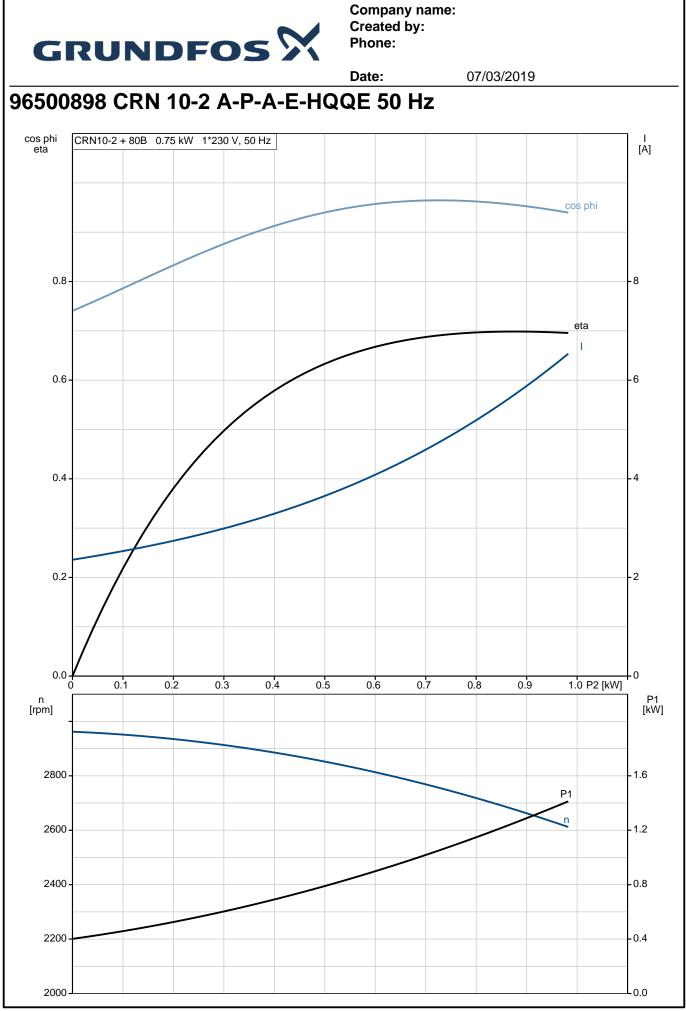
Description	Value	H [m]		CRN 10-2, 1*230	V, 50Hz
General information:					<u> </u>
Product name:	CRN 10-2 A-P-A-E-HQQE	22 -			
Product No:	96500898	20 -			
EAN number:	5700396211312				
		18 -			
Price:	1.260,00 GBP	16			
Technical:					
Pump speed on which pump data are based:	2759 rpm	14 -			
Rated flow:	10 m³/h	12 -			
Rated head:	14.2 m	10 -			
Head max:	19.9 m	10-			
		8-			
Stages:	2				
Impellers:	2	6-			
Number of reduced-diameter impellers:	0	4/			
Low NPSH:	Ν	//			
Pump orientation:	Vertical	2-			
Shaft seal arrangement:	Single	0			
Code for shaft seal:	HQQE	0 2	4 6	8 10	Q [m³/h]
Approvals on nameplate:	CE, EAC,ACS	P [W]			
Curve tolerance:	ISO9906:2012 3B	1000 -			D1
Pump version:	A				P1
Model:	A	800 -			
Materials:		600 -			
Base:	Stainless steel	000-			P2
2000.	EN 1.4408	400 -			
	AISI 316	— I /			
Impollor:	Stainless steel	200 -			
Impeller:					
	EN 1.4401	0			1
	AISI 316	13:	3		
Material code:	A		141 141		
Code for rubber:	E		+		
Bearing:	SIC				
Installation:		231			
Maximum ambient temperature:	40 °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		T T		
Size of inlet connection:	DN 50	G 1/2			
	2 inch				
Size of outlet connection:	DN 50				
	2 inch		130	215	
Pressure rating for pipe connection:	2 mcn PN 50		200	248	
		h			
Flange size for motor:	FT100	LOW VOLTAGE			
Connect code:	Р	LOW VOLTAGE			
Liquid:	NA / /				
Pumped liquid:	Water		AUX		
Liquid temperature range:	-20 120 °C		┘┋╴┋╴		
Liquid temperature during operation:	20 °C				
Density:	998.2 kg/m³				
Electrical data:					
Motor standard:	IEC	HIGH VOLTAG	E ROTATION		
Motor type:	80B				
Rated power - P2:	0.75 kW	(ธุราพรายราก			
Power (P2) required by pump:	0.75 kW	L L L L L L L L L L L L L L L L L L L	MAIN		
Mains frequency:	50 Hz	- $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	- 7 7 1		
Rated voltage:	1 x 220-230/240 V	<mark> </mark>			
Rated current:	5.10/4.75 A				
	J.10/4./J A	<u> </u>			

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Date: 07/03/2019 Description Value Starting current: 300 % Cos phi - power factor: 0.99 Rated speed: 2780 rpm Efficiency: 72.1% Motor efficiency at full load: 72.1 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F PTO Motor protec: Motor No: 85215104 Controls: NONE Frequency converter: Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 33 kg Gross weight: 36 kg Shipping volume: 0.08 m³ Country of origin: GB Custom tariff no .: 84137075



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