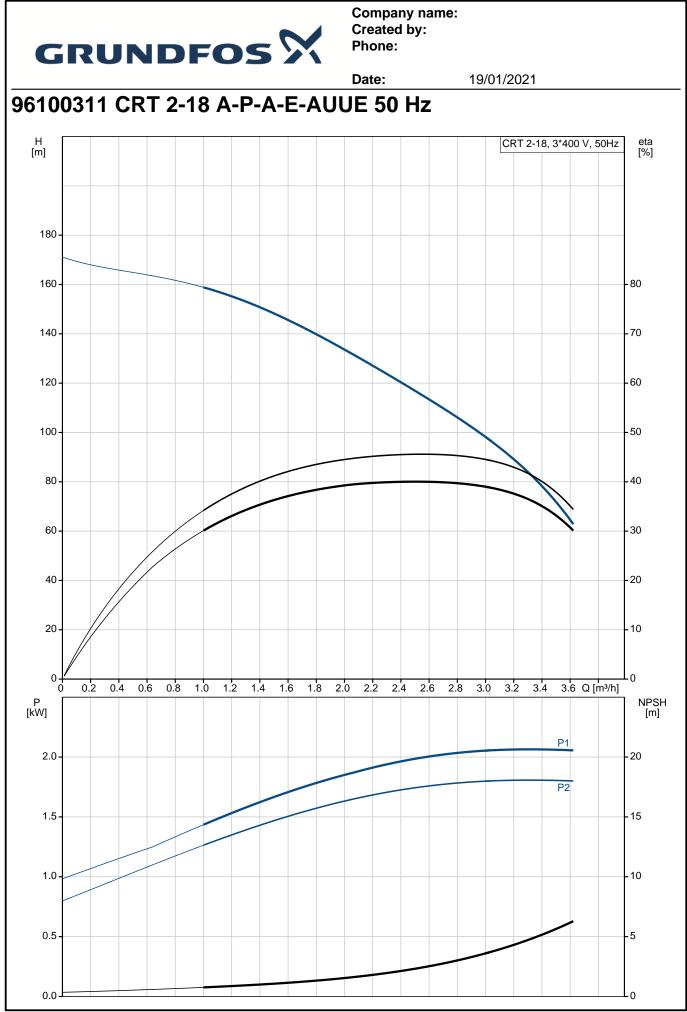
	GRUNDFO	5 5%	Company nam Created by: Phone:	ne:	
			Date:	19/01/2021	
Qty.	Description				
1	CRT 2-18 A-P-A-E-AUUE				
	Product No.: 96100311 Vertical, non-self-priming, multist centrifugal pump for installation i and mounting on a foundation.				
	The pump has the following char - Impellers, intermediate ch				
	Impeller:	sleeve are made of 7			
	Pump housing: - The shaft seal has assem according to EN 12756.		and base are made	of Titanium.	
	 Power transmission is via coupling. 	cast iron split			
	Flange standard: flanges/couplings.	- Pipework connection	on is via PJE		
	Phase:	The motor is a 3-pha	se AC motor.		
	Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	Water -20 120 °C 20 °C			
	Density:	998.2 kg/m³			
	Technical:	h 0000 m			
	Pump speed on which pump dat Rated flow:	2.5 m ³ /h	סווו		
	Rated head:	104 m			
	Primary shaft seal:	AUUE			
	Approvals on nameplate: Curve tolerance:	CE,TR ISO9906:2012 3B			
	Materials:				
	Pump housing:	Titanium			
	Impeller:	ASTM B 265 Titanium ASTM B 265			
	Bush material:	NONE			
	Installation: Maximum ambient temperature: Max pressure at stated temp:	60 °C 25 bar / 120 °C 25 bar / -20 °C			
	Flange standard:	PJE			
	Pipe connection: Flange size for motor:	42,4 mm FT115			
	Electrical data:				
	from Grundfos Product Contro [2020 :				



Rated power - P2: 2.2 kW Power (P2) required by pump: 2.2 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $8.00/4.60 \text{ A}$ Starting current: $840-920 \%$ Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9 \%$ Motor efficiency at $3/4 \text{ load:}$ 88.2% Motor efficiency at $1/2 \text{ load:}$ 88.0% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others:Minimum efficiency index, MEI $a\% *$:0.7Net weight: 36.9 kg	Motor type: 90LE IE Efficiency class: IE3 Rated power - P2: 2.2 kW Power (P2) required by pump: 2.2 kW Rated voltage: 3 x 220-240D/380-415Y V Rated voltage: 3 x 220-240D/380-415Y V Rated current: 8.00/4.60 A Starting current: 840-920 % Cos phi - power factor: 0.86-0.80 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 88.2 % Motor efficiency at 1/2 load: 88.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 45): F Motor No: 85U01908 Others: Minimum efficiency index, MEI 剥: Minimum efficiency index, MEI 剥: 0.7 Net weight: 36.9 kg	Motor type: 90LE IE Efficiency class: IE3 Rated power - P2: 2.2 kW Power (P2) required by pump: 2.2 kW Rated voltage: 3 x 220-240D/380-415Y V Rated voltage: 3 x 220-240D/380-415Y V Rated current: 8.00/4.60 A Starting current: 840-920 % Cos phi - power factor: 0.86-0.80 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 88.2 % Motor efficiency at 1/2 load: 88.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 45): F Motor No: 85U01908 Others: Minimum efficiency index, MEI 剥: Minimum efficiency index, MEI 剥: 0.7 Net weight: 36.9 kg	Description	Date:	
IE Efficiency class:IE3Rated power - P2: 2.2 kW Power (P2) required by pump: 2.2 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $8.00/4.60 \text{ A}$ Starting current: $840-920 \text{ \%}$ Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9 \text{ \%}$ Motor efficiency at $1/2 \text{ load:}$ 88.0 \% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others: 85.9 kg	IE Efficiency class:IE3Rated power - P2: 2.2 kW Power (P2) required by pump: 2.2 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $8.00/4.60 \text{ A}$ Starting current: $840-920 \text{ \%}$ Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9 \text{ \%}$ Motor efficiency at $1/2 \text{ load:}$ 88.0 \% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others: 85.9 kg	IE Efficiency class:IE3Rated power - P2: 2.2 kW Power (P2) required by pump: 2.2 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $8.00/4.60 \text{ A}$ Starting current: $840-920 \text{ \%}$ Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9 \text{ \%}$ Motor efficiency at $1/2 \text{ load:}$ 88.0 \% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others: 85.9 kg	-		
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Mains frequency: 50 Hz Rated voltage: $3 \times 220-240\text{D}/380-415\text{Y}$ VRated current: $8.00/4.60 \text{ A}$ Starting current: $840-920 \%$ Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9 \%$ Motor efficiency at $3/4$ load: 88.2% Motor efficiency at $1/2$ load: 88.0% Number of poles: 2 Enclosure class (IEC $34-5$): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others:Minimum efficiency index, MEI $a\% *$:0.7Net weight: 36.9 kg	Mains frequency: 50 Hz Rated voltage: $3 \times 220-240\text{D}/380-415\text{Y}$ VRated current: $8.00/4.60 \text{ A}$ Starting current: $840-920$ %Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9$ %Motor efficiency at $3/4$ load: 88.2 %Motor efficiency at $1/2$ load: 88.0 %Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others:Minimum efficiency index, MEI \hat{a} ‰¥:0.7Net weight: 36.9 kg	Mains frequency: 50 Hz Rated voltage: $3 \times 220-240\text{D}/380-415\text{Y}$ VRated current: $8.00/4.60 \text{ A}$ Starting current: $840-920 \%$ Cos phi - power factor: $0.86-0.80$ Rated speed: $2890-2910 \text{ rpm}$ Efficiency:IE3 85,9%Motor efficiency at full load: $85.9-85.9 \%$ Motor efficiency at 3/4 load: 88.2% Motor efficiency at 1/2 load: 88.0% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: $85U01908$ Others:Minimum efficiency index, MEI $\hat{a}\%$ ¥:0.7Net weight: 36.9 kg	Power (P2) required by pump:	2.2 kW	
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Efficiency:IE3 85,9%Motor efficiency at full load:85.9-85.9 %Motor efficiency at 3/4 load:88.2 %Motor efficiency at 1/2 load:88.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Minimum efficiency index, MEI ≥:0.7Net weight:36.9 kg	Efficiency:IE3 85,9%Motor efficiency at full load:85.9-85.9 %Motor efficiency at 3/4 load:88.2 %Motor efficiency at 1/2 load:88.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Minimum efficiency index, MEI ≥:0.7Net weight:36.9 kg	Efficiency:IE3 85,9%Motor efficiency at full load:85.9-85.9 %Motor efficiency at 3/4 load:88.2 %Motor efficiency at 1/2 load:88.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Minimum efficiency index, MEI ≥:0.7Net weight:36.9 kg			
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Motor efficiency at 1/2 load:88.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Minimum efficiency index, MEI ≥:0.7Net weight:36.9 kg	Motor efficiency at 1/2 load:88.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Minimum efficiency index, MEI ≥:0.7Net weight:36.9 kg	Motor efficiency at 1/2 load:88.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Minimum efficiency index, MEI ≥:0.7Net weight:36.9 kg	Motor efficiency at 3/4 load:	88.2 %	
Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U01908 Others: Volume Minimum efficiency index, MEI ≥: 0.7 Net weight: 36.9 kg	Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01908Others:Others:Vinimum efficiency index, MEI ≥: 0.7Net weight:36.9 kg	Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U01908 Others: Volume Minimum efficiency index, MEI ≥: 0.7 Net weight: 36.9 kg			
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Minimum efficiency index, MEI ≥: 0.7 Net weight: 36.9 kg	Minimum efficiency index, MEI ≥: 0.7 Net weight: 36.9 kg	Minimum efficiency index, MEI ≥: 0.7 Net weight: 36.9 kg	MOLOF NO:	85001908	
Net weight: 36.9 kg	Net weight: 36.9 kg	Net weight: 36.9 kg	Others:		
Net weight: 36.9 kg	Net weight: 36.9 kg	Net weight: 36.9 kg	Minimum efficiency index, MEI	≥: 0.7	
			Net weight:	36.9 kg	



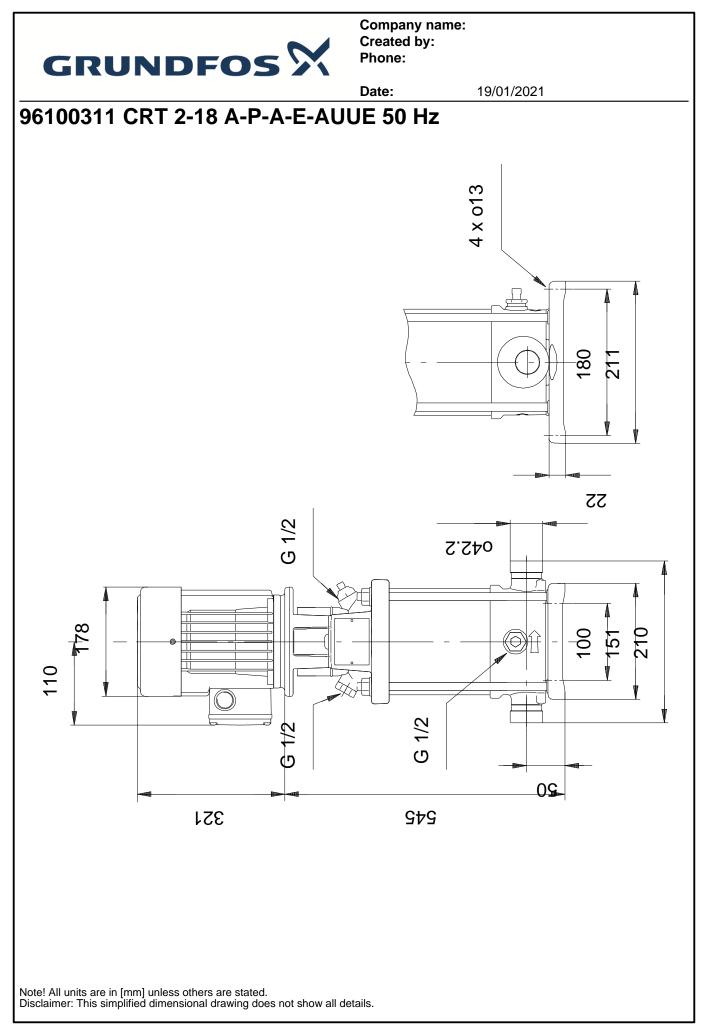


		Date:	19/01	/2021		
Description	Value	H [m]		CRT 2-18, 3*	400 V, 50Hz	eta [%]
General information:						
Product name:	CRT 2-18 A-P-A-E-AUUE	180 -				
Product No:						
	96100311	160 -				- 80
EAN number:	5700395842692					
Price:		140 -				- 70
Technical:		120 -				- 60
Pump speed on which pump data are based:	2900 rpm	120 -				- 00
Rated flow:	2.5 m³/h	100 -				- 50
Rated head:	104 m	80 -				- 40
Maximum head:	169 m	80 -				- 40
Head max:	169 m	60 -			Ň	- 30
Stages:	18					
Impellers:	18	40 -	/			- 20
Primary shaft seal:	AUUE					
Approvals on nameplate:	CE,TR	20 -				- 10
Curve tolerance:	ISO9906:2012 3B					
Pump version:	A	0 1 0.5	5 1.0 1.5	2.0 2.5 3.0	Q [m³/h]	-0
Model:	A	P				NPSH
Model. Materials:	n	[kW]			P1	[m]
	Titanium	2.0 -				- 20
Pump housing:					P2	
Pump housing:	ASTM B 265	1.5 -				- 15
	Titanium					
Impeller:	ASTM B 265	1.0				- 10
Material code:	A					
Code for rubber:	E	0.5 -				- 5
Bush material:	NONE					
Installation:		0.0				-0
Maximum ambient temperature:	60 °C	110				
Max pressure at stated temp:	25 bar / 120 °C	178				
Max pressure at stated temp:	25 bar / -20 °C		_			
Flange standard:	PJE					
Pipe connection:	42,4 mm					
Flange size for motor:	FT115		LJ			
Connect code:	Р	G 1/2	G 1/2			
Liquid:			k			
Pumped liquid:	Water		$\overline{}$	T		
Liquid temperature range:	-20 120 °C	\$5 G 1/2		-		
Selected liquid temperature:	20 °C		042.2	4 x o13		
Density:	998.2 kg/m ³					
Electrical data:			711 777			
Motor type:	90LE	100		211		
E Efficiency class:	IE3	210				
Rated power - P2:	2.2 kW					
Power (P2) required by pump:	2.2 kW		LOW VOLTAGE			
Power (P2) required by pump:	2.2 kW					
Mains frequency:	50 Hz					
Rated voltage:	3 x 220-240D/380-415Y					
Rated current:	8.00/4.60 A					
Starting current:	840-920 %		L1 L2 L3	¢		
-	0.86-0.80		GH VOLTAGE			
Cos phi - power factor:			GH VOLTAGE ON OF ROTATION			
Rated speed:	2890-2910 rpm					
Efficiency:	IE3 85,9%					
Motor efficiency at full load:	85.9-85.9 %		(ws-ns-(s))			
Motor efficiency at 3/4 load:	88.2 %	│ ♥♥♥	(U1) (V1) (W1)			
Motor efficiency at 1/2 load:	88.0 %		<u> </u>	_		
Number of poles:	2		L1 L2 L3			

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		Date:	19/01/2021	
Description	Value			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protec:	NONE			
Motor No:	85U01908			
Others:				
Minimum efficiency index, MEI ≥:	0.7			
Net weight:	36.9 kg			
Gross weight:	41.9 kg			





Date:

19/01/2021

96100311 CRT 2-18 A-P-A-E-AUUE 50 Hz

