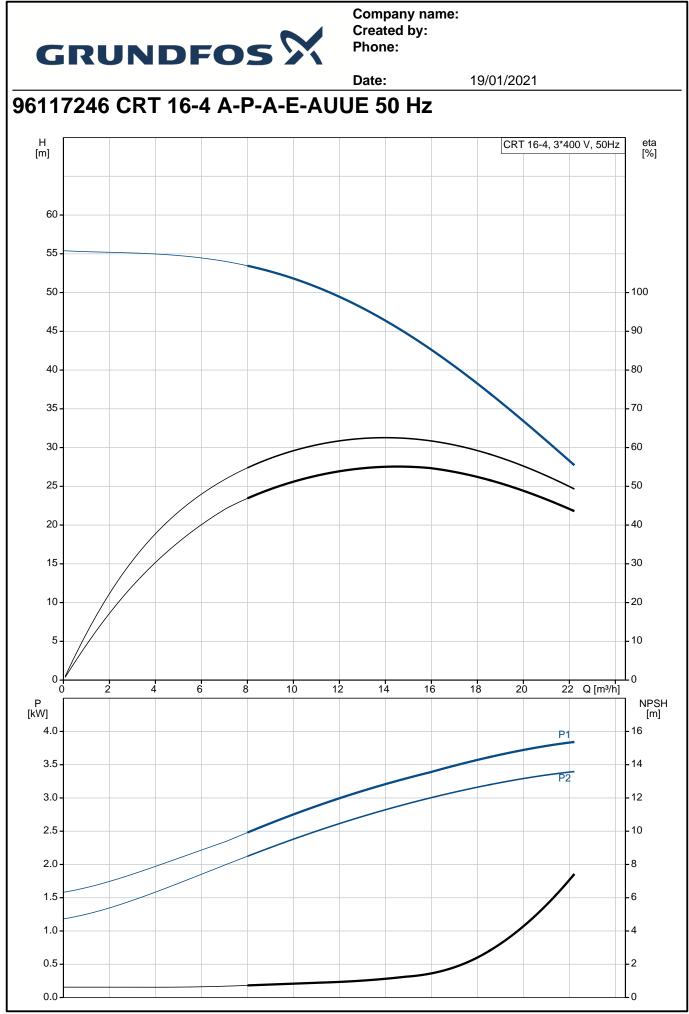
Date:       19/01/2021         CRT 16-4 A-P-A-E-AUUE       Image: Comparison of the second of t		GRUNDFO	N S	Company n Created by: Phone:		
CRT 16-4 A-P-A-E-AUUE         Image: Second Sec				Date:	19/01/2021	
Product No:       96117246         Vertical, non-self-priming, multistage, in-line, contridual prump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics:         - Impeller, intermediate chambers and outer         Impeller, instruction provide the systems are made of Titanium.         Pump housing:       - Pump head cover and base are made of Titanium.         endotion to build the systems are based are made of Titanium.         Pump state following dearacteristics:         - Power transmission is via cast iron split         coupling.         Flange standard:       - Puop vert connection is via PJE         flanges/couplings.         Phase:       The motor is a 3-phase AC motor.         Liquid temperature range:       - 20 · 120 °C         Selected flouid temperature:       20 · C         Density:       998.2 kg/m³         Technical:       AUUE         Pump speed on which pump data are based:       2900 rpm         Rated flow:       ASTM B 265         Impeller: <td< td=""><td>•  </td><td>Description</td><td></td><td></td><td></td><td></td></td<>	•	Description				
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics: <ul> <li>Impellers, intermediate chambers and outer</li> <li>Impeller, intermediate chambers and outer</li> <li>Pump to EN 12756.</li> <li>Power transmission is via cast iron split</li> <li>coupling.</li> </ul> <li>Plase:         <ul> <li>Pipework connection is via PJE</li> <li>Ifange standard:</li> <li>Pump to king the motor is a 3-phase AC motor.</li> <li>Liquid temperature range: 20120 °C</li> <li>Selected liquid temperature: 20 °C</li> <li>Density:</li> <li>998.2 kg/m<sup>3</sup></li> </ul> </li> <li>Technical:         <ul> <li>Pump speed on which pump data are based: 2900 rpm</li> <li>Rated flow:<ul> <ul> <li>A</li></ul></ul></li></ul></li>		CRT 16-4 A-P-A-E-AUUE				
<ul> <li>Impellers, intermediate chambers and outer</li> <li>Impeller: sleeve are made of Titanium.</li> <li>Pump housing: - Pump head cover and base are made of Titanium.</li> <li>The shaft seal has assembly length</li> <li>according to EM 12756.</li> <li>Power transmission is via cast iron split</li> <li>coupling.</li> <li>Flange standard: - Pipework connection is via PJE</li> <li>flange size for motor: FT130</li> </ul>		Vertical, non-self-priming, multist centrifugal pump for installation i				
Impeller:       sleeve are made of Titanium.         Pump housing:       - Pump head cover and base are made of Titanium.         -       The shaft seal has assembly length         according to EN 12756.       - Power transmission is via cast iron split         coupling.       Flange standard:       - Pipework connection is via PJE         flanges/couplings.       Phase:       The motor is a 3-phase AC motor.         Liquid:       Water         Pumped liquid:       Water         Liquid temperature range:       -20120 °C         Selected liquid temperature:       20 °C         Density:       998.2 kg/m³         Technical:       Pump speed on which pump data are based:       2900 rpm         Rated flow:       16 m³/h         Rated head:       43.5 m         Primary shaft seal:       AUUE         Approvals on nameplate:       CE, TR         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:       Titanium         ASTM B 2665       Impeller:       Titanium         ASTM B 265       Sush material:       NONE         Installation:       NONE       Z5 bar / 120 °C         Carge standard:       PJE       Pie connection:       60.3 mm						
The shaft seal has assembly length according to EN 12756.     Power transmission is via cast iron split coupling. Flange standard: - Pipework connection is via PJE flanges/couplings. Phase: The motor is a 3-phase AC motor. Liquid: Pumped liquid: Water Liquid temperature range: -20 . 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m <sup>3</sup> Technical: Pump speed on which pump data are based: 2900 rpm Rated flow: 16 m <sup>3</sup> /h Rated head: 43.5 m Primary shaft seal: AUUE Approvals on nameplate: CE, TR Curve tolerance: ISO9906:2012 3B Materials: Pump housing: Titanium ASTM B 265 Impeller: Titanium ASTM B 265 Bush material: NONE Installation: Maximum ambient temperature: 60 °C Max pressure at stated temp: 25 bar / 120 °C E flange standard: PJE Pipe connection: 60,3 mm Flange size for motor: FT130		Impeller:	sleeve are made of			
according to EN 12756.         -       Power transmission is via cast iron split         coupling.         Flange standard:       -         Phase:       The motor is a 3-phase AC motor.         Liquid:       Pumped liquid:       Water         Pumped liquid temperature range:       -20120 °C         Selected liquid temperature range:       -20120 °C         Selected liquid temperature:       20 °C         Density:       998.2 kg/m³         Technical:       Pump speed on which pump data are based:       2900 rpm         Rated flow:       16 m³/h         Rated head:       43.5 m         Primary shaft seal:       AUUE         Approvals on nameplate:       CE,TR         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:         Pump housing:       Titanium         ASTM B 265       Impeller:         Installation:       NONE         Installation:       NONE         Installation:       25 bar / 120 °C         Zo bar / -20 °C       25 bar / -20 °C         Flange standard:       PJE         Pipe connection:       60,3 mm         Flange size for motor:       FT130 <td></td> <td></td> <td></td> <td>and base are m</td> <td>ade of Titanium.</td> <td></td>				and base are m	ade of Titanium.	
Flange standard:       - Pipework connection is via PJE         flanges/couplings.       Phase:       The motor is a 3-phase AC motor.         Liquid:       Pumped liquid:       Water         Liquid temperature range:       -20 120 °C         Selected liquid temperature:       20 °C         Density:       998.2 kg/m³         Technical:       Pump speed on which pump data are based: 2900 rpm         Rated flow:       16 m³/h         Rated flow:       16 m³/h         Rated flow:       16 m³/h         Rated flow:       16 m³/h         Rated so on memplate:       CE,TR         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:         Pump housing:       Titanium         ASTM B 265       Sush material:         NONE       Installation:         Maximum ambient temperature:       60 °C         Max pressure at stated temp:       25 bar / 120 °C         25 bar / -20 °C       Flange standard:         Pipe connection:       60,3 mm         Flange size for motor:       FT130		according to EN 12756. - Power transmission is via	· -			
Liquid:Pumped liquid:WaterLiquid temperature range:-20 120 °CSelected liquid temperature:20 °CDensity:998.2 kg/m³Technical:Pump speed on which pump data are based:2900 rpmRated flow:16 m³/hRated flow:16 m³/hRaterials:AUUEPump housing:TitaniumASTM B 265Impeller:TitaniumASTM B 265Bush material:NONEInstallation:ASTM B 265Maximum ambient temperature:60 °CMax pressure at stated temp:25 bar / 120 °C25 bar / -20 °CFlange standard:Pije connection:60,3 mmFlange size for motor:FT130		Flange standard:	- Pipework connecti	on is via PJE		
Pumped liquid:WaterLiquid temperature range:-20 120 °CSelected liquid temperature:20 °CDensity:998.2 kg/m³Technical:Pump speed on which pump data are based:2900 rpmRated flow:16 m³/hRated head:43.5 mPrimary shaft seal:AUUEApprovals on nameplate:CE,TRCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:Titanium ASTM B 265Impeller:Titanium ASTM B 265Bush material:NONEInstallation:Maximum ambient temperature:60 °C 25 bar / 120 °C 25 bar / 20 °CFlange standard:PJE Pipe connection:Pipe connection:60,3 mm Flange size for motor:		Phase:	The motor is a 3-ph	ase AC motor.		
Liquid temperature range: Selected liquid temperature: 20 °CSelected liquid temperature: 20 °CDensity:998.2 kg/m³Technical:Pump speed on which pump data are based: 43.5 mPrimary shaft seal: Approvals on nameplate: CE, TR Curve tolerance:Materials: Pump housing: ASTM B 265Impeller: ASTM B 265Impeller: ASTM B 265Installation: Maximum ambient temperature: $60 °C$ Max pressure at stated temp: $25 bar / 20 °C$ Flange standard: Pupe size for motor:Puse Flange size for motor:Puse Flange size for motor:Puse Flange size for motor:Flange		Liquid:				
Selected liquid temperature:       20 °C         Density:       998.2 kg/m³         Technical:       Pump speed on which pump data are based:         Pump speed on which pump data are based:       2900 rpm         Rated flow:       16 m³/h         Rated flow:       16 m³/h         Rated head:       43.5 m         Primary shaft seal:       AUUE         Approvals on nameplate:       CE, TR         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:         Pump housing:       Titanium         ASTM B 265         Bush material:       NONE         Installation:         Maximum ambient temperature:       60 °C         Max pressure at stated temp:       25 bar / 120 °C         25 bar / -20 °C       Flange standard:         PJE       Pje connection:         Pipe connection:       60,3 mm         Flange size for motor:       FT130			Water			
Density: $998.2 \text{ kg/m}^3$ Technical:Pump speed on which pump data are based: $2900 \text{ rpm}$ Rated flow: $16 \text{ m}^3/\text{h}$ Rated flow: $16 \text{ m}^3/\text{h}$ Rated head: $43.5 \text{ m}$ Primary shaft seal:AUUEApprovals on nameplate:CE, TRCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:TitaniumASTM B 265Impeller:TitaniumASTM B 265Bush material:NONEInstallation:Maximum ambient temperature: $60 \text{ °C}$ Max pressure at stated temp: $25 \text{ bar } / 120 \text{ °C}$ $25 \text{ bar } / -20 \text{ °C}$ Flange standard:PJEPipe connection: $60.3 \text{ mm}$ Flange size for motor:FT130						
Technical:         Pump speed on which pump data are based: 2900 rpm         Rated flow:       16 m³/h         Rated flow:       16 m³/h         Rated flow:       16 m³/h         Rated head:       43.5 m         Primary shaft seal:       AUUE         Approvals on nameplate:       CE,TR         Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:         Pump housing:       Titanium         ASTM B 265         Impeller:       Titanium         ASTM B 265         Bush material:       NONE         Installation:         Maximum ambient temperature:       60 °C         Max pressure at stated temp:       25 bar / 120 °C         25 bar / -20 °C       Flange standard:         PJE       Pje connection:         Pipe connection:       60,3 mm         Flange size for motor:       FT130						
Pump speed on which pump data are based: 2900 rpmRated flow:16 m³/hRated head:43.5 mPrimary shaft seal:AUUEApprovals on nameplate:CE,TRCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:TitaniumASTM B 265Impeller:TitaniumASTM B 265Bush material:NONEInstallation:Maximum ambient temperature:60 °CMax pressure at stated temp:25 bar / 120 °C25 bar / 20 °CFlange standard:PJEPipe connection:60,3 mmFlange size for motor:FT130		Density:	998.2 kg/m³			
Rated flow:16 m³/hRated head:43.5 mPrimary shaft seal:AUUEApprovals on nameplate:CE, TRCurve tolerance:ISO9906:2012 3BMaterials:Pump housing:Pump housing:Titanium ASTM B 265Impeller:Titanium ASTM B 265Bush material:NONEInstallation:60 °C 25 bar / 120 °C 25 bar / -20 °CFlange standard:PJEPipe connection:60,3 mm Flange size for motor:Flange size for motor:FT130		Technical:				
Rated head:43.5 mPrimary shaft seal:AUUEApprovals on nameplate:CE,TRCurve tolerance:ISO9906:2012 3BMaterials:				pm		
Primary shaft seal:AUUEApprovals on nameplate:CE, TRCurve tolerance:ISO9906:2012 3BMaterials:-Pump housing:Titanium ASTM B 265Impeller:Titanium ASTM B 265Bush material:NONEInstallation:-Maximum ambient temperature:60 °C 25 bar / 120 °C 25 bar / -20 °CFlange standard:PJEPipe connection:60,3 mm FT130						
Approvals on nameplate:CE,TRCurve tolerance:ISO9906:2012 3BMaterials:-Pump housing:TitaniumASTM B 265Impeller:TitaniumASTM B 265Bush material:NONEInstallation:NONEMaximum ambient temperature:60 °CMax pressure at stated temp:25 bar / 120 °C25 bar / -20 °C25 bar / -20 °CFlange standard:PJEPipe connection:60,3 mmFlange size for motor:FT130						
Curve tolerance:       ISO9906:2012 3B         Materials:       Pump housing:         Pump housing:       Titanium         ASTM B 265         Impeller:       Titanium         ASTM B 265         Bush material:       NONE         Installation:         Maximum ambient temperature:       60 °C         Max pressure at stated temp:       25 bar / 120 °C         25 bar / -20 °C         Flange standard:       PJE         Pipe connection:       60,3 mm         Flange size for motor:       FT130						
Pump housing:Titanium ASTM B 265Impeller:Titanium ASTM B 265Bush material:NONEInstallation:NONEMaximum ambient temperature:60 °C 25 bar / 120 °C 25 bar / -20 °CFlange standard:PJE 60,3 mm Flange size for motor:Flange size for motor:FT130						
Pump housing:Titanium ASTM B 265Impeller:Titanium ASTM B 265Bush material:NONEInstallation:NONEMaximum ambient temperature:60 °C 25 bar / 120 °C 25 bar / -20 °CFlange standard:PJE 60,3 mm Flange size for motor:Flange size for motor:FT130		Materials:				
Impeller:Titanium ASTM B 265Bush material:NONEInstallation:NONEMaximum ambient temperature:60 °CMax pressure at stated temp:25 bar / 120 °C 25 bar / -20 °CFlange standard:PJEPipe connection:60,3 mm FT130			Titanium			
ASTM B 265 Bush material: NONE Installation: Maximum ambient temperature: 60 °C Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Flange standard: PJE Pipe connection: 60,3 mm Flange size for motor: FT130						
Bush material:NONEInstallation: Maximum ambient temperature:60 °C 25 bar / 120 °C 25 bar / -20 °CMax pressure at stated temp:25 bar / 120 °C 25 bar / -20 °CFlange standard:PJE 60,3 mm Flange size for motor:Flange size for motor:FT130		Impeller:				
Installation:Maximum ambient temperature:60 °CMax pressure at stated temp:25 bar / 120 °C25 bar / -20 °CFlange standard:PJEPipe connection:60,3 mmFlange size for motor:FT130		Bush material:				
Maximum ambient temperature:60 °CMax pressure at stated temp:25 bar / 120 °C25 bar / -20 °CFlange standard:PJEPipe connection:60,3 mmFlange size for motor:FT130			-			
Max pressure at stated temp:25 bar / 120 °C 25 bar / -20 °CFlange standard:PJE 60,3 mm Flange size for motor:FT130						
Flange standard:PJEPipe connection:60,3 mmFlange size for motor:FT130			25 bar / 120 °C			
Pipe connection:60,3 mmFlange size for motor:FT130		Elango standard:				
Flange size for motor: FT130						
Electrical data:		Electrical data:				



Company name: Created by: Phone:

Description         Motor type:       112MC         IE Efficiency class:       IE3         Rated power - P2:       4 kW         Power (P2) required by pump:       4 kW         Mains frequency:       50 Hz         Rated voltage:       3 x 380-415D V         Rated voltage:       3 x 380-415D V         Rated current:       7.9 A         Starting current:       1000-1110 %         Cos phi - power factor:       0.87-0.87         Rated speed:       2920-2940 rpm         Efficiency:       IE3 88,1%         Motor efficiency at full load:       88.1 %         Motor efficiency at 3/4 load:       88.6 %         Motor efficiency at 1/2 load:       85.2 %         Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Motor No:       85U15413         Others:       Minimum efficiency index, MEI 剥:         Minimum efficiency index, MEI 剥:       0.69         Net weight:       67 kg         Gross weight:       77 kg	Motor type: IE Efficiency class: Rated power - P2:			
Motor type:112MCIE Efficiency class:IE3Rated power - P2:4 kWPower (P2) required by pump:4 kWMains frequency:50 HzRated voltage:3 x 380-415D VRated current:7.9 AStarting current:1000-1110 %Cos phi - power factor:0.87-0.87Rated speed:2920-2940 rpmEfficiency:IE3 88,1%Motor efficiency at full load:88.6 %Motor efficiency at 1/2 load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 45):FMotor No:85U15413Others:0.69Minimum efficiency index, MEI ≥:0.69Net weight:67 kg	Motor type: IE Efficiency class: Rated power - P2:			
IE Efficiency class:IE3Rated power - P2:4 kWPower (P2) required by pump:4 kWMains frequency:50 HzRated voltage:3 x 380-415D VRated current:7.9 AStarting current:1000-1110 %Cos phi - power factor:0.87-0.87Rated speed:2920-2940 rpmEfficiency:IE3 88,1%Motor efficiency at full load:88.1 %Motor efficiency at 1/2 load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:Minimum efficiency index, MEI ≥:0.690.69	IE Efficiency class: Rated power - P2:			
Rated power - P2: $4 \text{ kW}$ Power (P2) required by pump: $4 \text{ kW}$ Mains frequency: $50 \text{ Hz}$ Rated voltage: $3 \times 380-415D \text{ V}$ Rated current: $7.9 \text{ A}$ Starting current: $1000-1110 \text{ \%}$ Cos phi - power factor: $0.87-0.87$ Rated speed: $2920-2940 \text{ rpm}$ Efficiency:IE3 88,1%Motor efficiency at full load: $88.1 \text{ \%}$ Motor efficiency at $3/4 \text{ load}$ : $88.6 \text{ \%}$ Number of poles: $2$ Enclosure class (IEC 34-5): $55 \text{ Dust/Jetting}$ Insulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $\text{a\%} \text{ se}$ :0.69Net weight: $67 \text{ kg}$	Rated power - P2:	15.3		
Power (P2) required by pump: $4 kW$ Mains frequency: $50 Hz$ Rated voltage: $3 \times 380-415D V$ Rated current: $7.9 A$ Starting current: $1000-1110 \%$ Cos phi - power factor: $0.87-0.87$ Rated speed: $2920-2940 rpm$ Efficiency:IE3 88,1%Motor efficiency at full load: $88.1 \%$ Motor efficiency at $3/4 load$ : $88.6 \%$ Motor efficiency at $1/2 load$ : $85.2 \%$ Number of poles: $2$ Enclosure class (IEC 34-5): $55 Dust/Jetting$ Insulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $\hat{a}\%$ ¥:0.69 $67 kg$				
$4 \text{ kW}$ Mains frequency: $50 \text{ Hz}$ Rated voltage: $3 \times 380-415\text{D V}$ Rated current: $7.9 \text{ A}$ Starting current: $1000-1110 \%$ Cos phi - power factor: $0.87-0.87$ Rated speed: $2920-2940 \text{ rpm}$ Efficiency:IE3 88,1%Motor efficiency at full load: $88.1 \%$ Motor efficiency at $3/4 \log 1$ $85.2 \%$ Number of poles: $2$ Enclosure class (IEC 34-5): $55 \text{ Dust/Jetting}$ Insulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $å\%$ ¥: $0.69$ Net weight: $67 \text{ kg}$				
Mains frequency:50 HzRated voltage: $3 \times 380-415D V$ Rated current: $7.9 A$ Starting current: $1000-1110 \%$ Cos phi - power factor: $0.87-0.87$ Rated speed: $2920-2940 rpm$ Efficiency:IE3 88,1%Motor efficiency at full load: $88.1 \%$ Motor efficiency at $3/4$ load: $88.6 \%$ Motor efficiency at $1/2$ load: $85.2 \%$ Number of poles: $2$ Enclosure class (IEC 34-5): $55 Dust/Jetting$ Insulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $a\% *: 0.69$ Net weight: $67 kg$	$r \circ wer (r z)$ required by pump.			
Rated voltage: $3 \times 380-415D V$ Rated current: $7.9 A$ Starting current: $1000-1110 \%$ Cos phi - power factor: $0.87-0.87$ Rated speed: $2920-2940 rpm$ Efficiency:IE3 88,1%Motor efficiency at full load: $88.1 \%$ Motor efficiency at $3/4$ load: $88.6 \%$ Motor efficiency at $1/2$ load: $85.2 \%$ Number of poles: $2$ Enclosure class (IEC 34-5): $55$ Dust/JettingInsulation class (IEC 85):FMotor No: $85U15413$ Others: $57 kg$				
Rated current:7.9 ÅStarting current:1000-1110 %Cos phi - power factor: $0.87 \cdot 0.87$ Rated speed:2920-2940 rpmEfficiency:IE3 88,1%Motor efficiency at full load:88.1 %Motor efficiency at $3/4$ load:88.6 %Motor efficiency at $1/2$ load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:Minimum efficiency index, MEI $\frac{3}{4} \times \frac{1}{2}$ 0.69Net weight: $67$ kg				
Rated current:7.9 ÅStarting current:1000-1110 %Cos phi - power factor: $0.87 \cdot 0.87$ Rated speed:2920-2940 rpmEfficiency:IE3 88,1%Motor efficiency at full load:88.1 %Motor efficiency at $3/4$ load:88.6 %Motor efficiency at $1/2$ load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:Minimum efficiency index, MEI $\frac{3}{4} \times \frac{1}{2}$ 0.69Net weight: $67$ kg	Rated voltage:	3 x 380-415D V		
Starting current:1000-1110 %Cos phi - power factor: $0.87 \cdot 0.87$ Rated speed:2920-2940 rpmEfficiency:IE3 88,1%Motor efficiency at full load: $88.1 \%$ Motor efficiency at $3/4$ load: $88.6 \%$ Motor efficiency at $1/2$ load: $85.2 \%$ Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $å‰$ ¥:0.69Net weight:67 kg		7.9 A		
Cos phi - power factor: $0.87 - 0.87$ Rated speed: $2920 - 2940$ rpmEfficiency:IE3 88,1%Motor efficiency at full load: $88.1$ %Motor efficiency at $3/4$ load: $88.6$ %Motor efficiency at $1/2$ load: $85.2$ %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $a\%$ ¥:0.69Net weight: $67$ kg	Starting current:			
Rated speed:2920-2940 rpmEfficiency:IE3 88,1%Motor efficiency at full load:88.1 %Motor efficiency at 3/4 load:88.6 %Motor efficiency at 1/2 load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:				
Efficiency:IE3 88,1%Motor efficiency at full load: $88.1 \%$ Motor efficiency at 3/4 load: $88.6 \%$ Motor efficiency at 1/2 load: $85.2 \%$ Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No: $85U15413$ Others:Minimum efficiency index, MEI $\hat{a}_{\infty}$ ¥:0.6967 kg				
Motor efficiency at full load:88.1 %Motor efficiency at 3/4 load:88.6 %Motor efficiency at 1/2 load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:Minimum efficiency index, MEI ≥:0.69Net weight:67 kg				
Motor efficiency at 3/4 load:88.6 %Motor efficiency at 1/2 load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:Minimum efficiency index, MEI ≥:0.69Net weight:67 kg				
Motor efficiency at 1/2 load:85.2 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U15413Others:Minimum efficiency index, MEI ≥:0.69Net weight:67 kg				
Number of poles:       2         Enclosure class (IEC 34-5):       55 Dust/Jetting         Insulation class (IEC 85):       F         Motor No:       85U15413         Others:       Volume         Minimum efficiency index, MEI ≥:       0.69         Net weight:       67 kg				
Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15413 Others: Minimum efficiency index, MEI ≥: 0.69 Net weight: 67 kg	Motor efficiency at 1/2 load:	85.2 %		
Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U15413 Others: Minimum efficiency index, MEI ≥: 0.69 Net weight: 67 kg	Number of poles:	2		
Insulation class (IEC 85):       F         Motor No:       85U15413         Others:       Minimum efficiency index, MEI ≥: 0.69         Net weight:       67 kg	Enclosure class (IEC 34-5):	55 Dust/Jetting		
Motor No:     85U15413       Others:				
Others: Minimum efficiency index, MEI ≥: 0.69 Net weight: 67 kg				
Minimum efficiency index, MEI ≥: 0.69 Net weight: 67 kg		00010410		
Minimum efficiency index, MEI ≥: 0.69 Net weight: 67 kg	Others:			
Net weight: 67 kg		â‰.¥∙ 0.69		
Gross weight: // kg				
	Gross weight:	77 кд		



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## Company name: Created by: Phone:

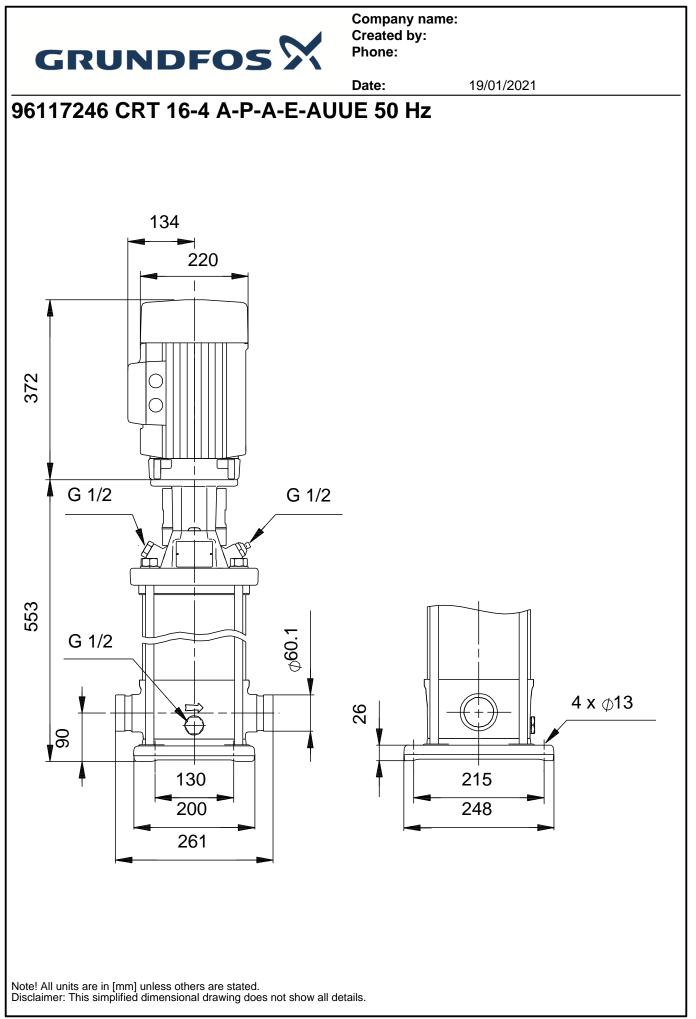
		Date:	19/01/2021	
Description	Value	H [m]	CRT 1	16-4, 3*400 V, 50Hz [%
General information:		_		
Product name:	CRT 16-4 A-P-A-E-AUUE	60 -		
Product No:	96117246	55 -		
EAN number:	5700396596075	50 -		- 100
Price:	-	45 -		- 90
Technical:		40 -		80
Pump speed on which pump data are	2900 rpm			
based:	-	35 -		70
Rated flow:	16 m³/h	30 -		60
Rated head:	43.5 m	25 -		50
Maximum head:	57.6 m			
Head max:	57.6 m	20 -		- 40
Stages:	5	15-	/	- 30
Impellers:	4	10		- 20
Primary shaft seal:	AUUE	//		
Approvals on nameplate:	CE,TR	5-		- 10
Curve tolerance:	ISO9906:2012 3B	0 <u>/</u>	5 10 15	0 20 Q [m³/h]
Pump version:	A	— P [	15	NP
Model: Materials:	A	[kW]		P1 [n
Materials:	Titopium	3.5 -		14
Pump housing:	Titanium	3.0 -		P2 12
Pump housing:	ASTM B 265 Titanium	2.5 -		- 10
Impeller:	Titanium ASTM B 265	2.0		- 8
Impeller: Material code:	ASTM B 265	1.5		
Material code:	A	1.0		
Code for rubber:	E			
Bush material:	NONE	0.5 -		2
Installation:	60 °C	0.0 <b></b>	· · · · · · ·	L0
Maximum ambient temperature:	60 °C 25 bar / 120 °C		_	_
Max pressure at stated temp:	25 bar / 120 °C 25 bar / -20 °C	134		
Max pressure at stated temp: Flange standard:	25 bar / -20 °C	220		
Pipe connection:	PJE 60,3 mm			
Flange size for motor:	60,3 mm FT130	312		
Connect code:	P			
Liquid:	•		G 1/2	
Pumped liquid:	Water			
Liquid temperature range:	-20 120 °C			
Selected liquid temperature:	-20 °C	<u>G 1/2</u>	860.1	
Density:	998.2 kg/m <sup>3</sup>			
Electrical data:	Ny/111			
Motor type:	112MC		215	
IE Efficiency class:	IE3	200 261	248	
Rated power - P2:	4 kW			
Power (P2) required by pump:	4 kW		~	
Power (P2) required by pump:	4 kW	—	Y	
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-415D V	₿ <sup>∗⊤</sup> ∎ ₿ <sup>∗</sup>	. ∎ A, ∎	
Rated current:	7.9 A	—   <u> </u> L	<u>, 4</u>	
Starting current:	1000-1110 %			
Cos phi - power factor:	0.87-0.87	TO AMPLIFIER RELAY		
Rated speed:	2920-2940 rpm			
Efficiency:	IE3 88,1%			
Motor efficiency at full load:	88.1 %	<u> </u>	INCLECT	
Motor efficiency at 3/4 load:	88.6 %	—		
Motor efficiency at 1/2 load:	85.2 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting	RELAY L1		
			~	

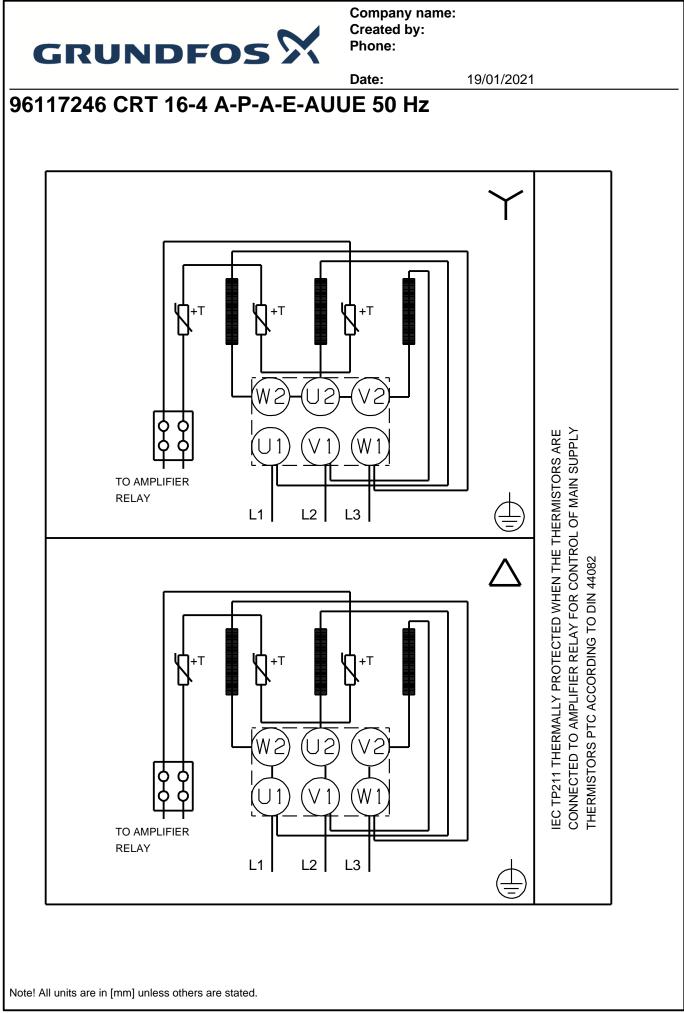
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## Company name: Created by: Phone:

		Date:	19/01/2021
Description	Value		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	85U15413		
Others:			
Minimum efficiency index, MEI ≥:	0.69		
Net weight:	67 kg		
Gross weight:	77 kg		





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