

CRT 2-7 A-P-A-E-AUUE 3x230D/400Y V

Grundfos pump 96100306




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<https://www.lenntech.com/grundfos/CRT02/96100306/CRT-2-7-A-P-A-E-AUUE.html>

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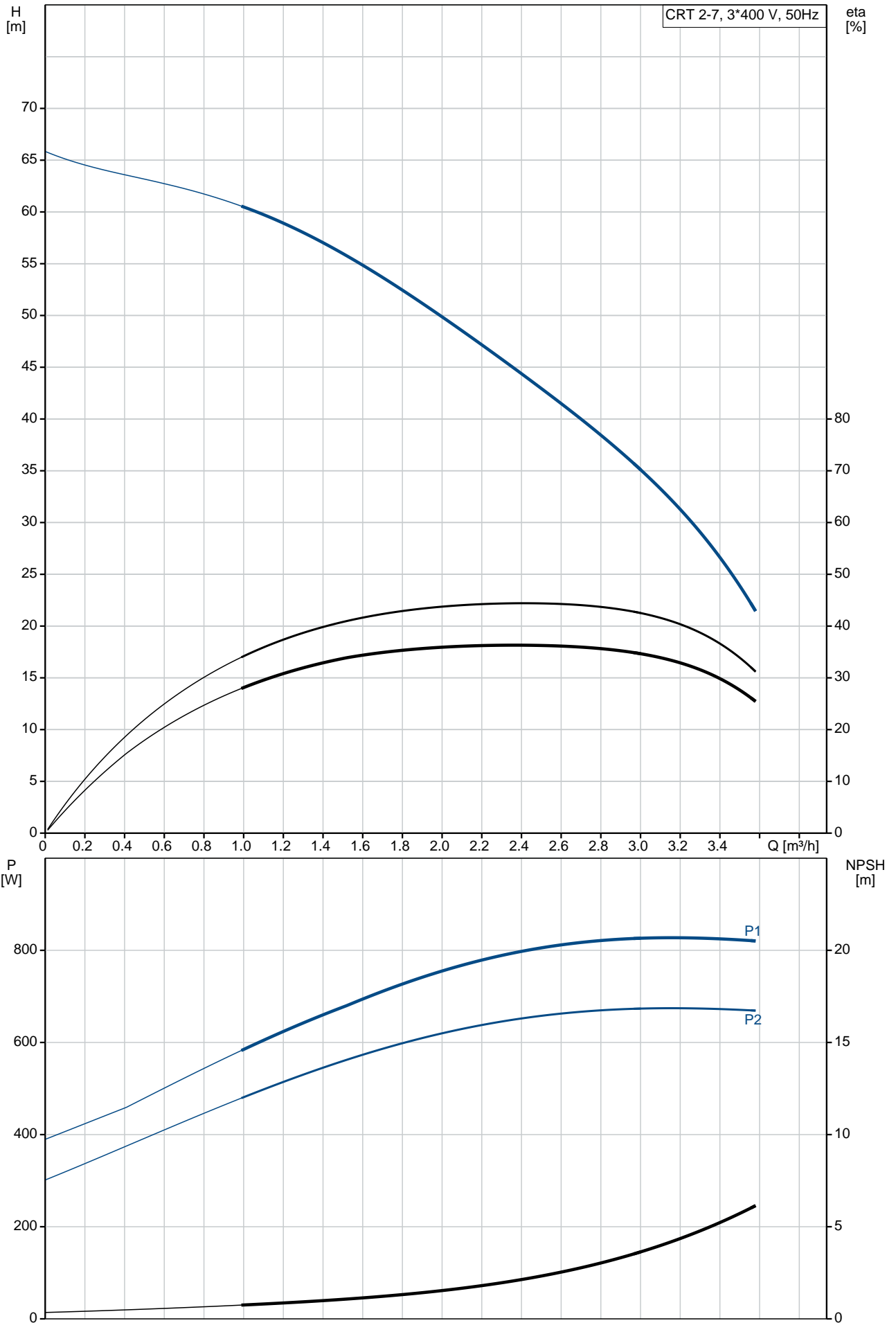
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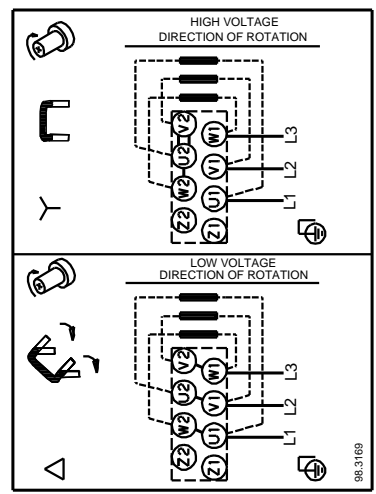
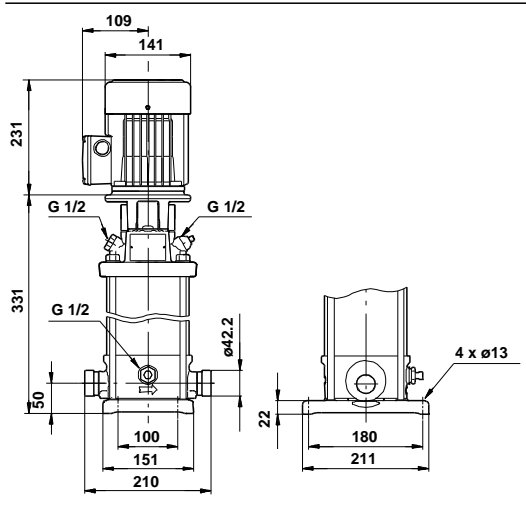
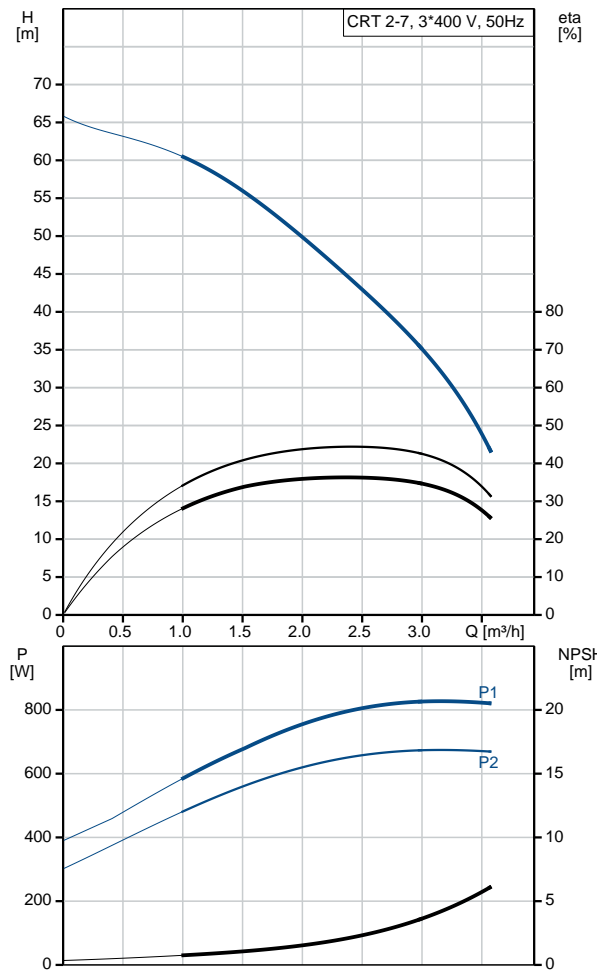
Position	Qty.	Description
	1	<p data-bbox="320 159 595 188">CRT 2-7 A-P-A-E-AUUE</p>  <p data-bbox="320 483 842 600">Product No.: On request Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p data-bbox="320 629 948 927">The pump has the following characteristics:</p> <ul style="list-style-type: none"> - Impellers, intermediate chambers and outer sleeve are made of Titanium. - 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. - Pipework connection is via PJE flanges/couplings. <p data-bbox="320 956 695 985">The motor is a 3-phase AC motor.</p> <p data-bbox="320 1014 405 1043">Liquid:</p> <p data-bbox="320 1048 823 1167">Pumped liquid: Water Liquid temperature range: -20 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³</p> <p data-bbox="320 1196 443 1225">Technical:</p> <p data-bbox="320 1229 882 1373">Rated flow: 2.5 m³/h Rated head: 40 m Primary shaft seal: AUUE Approvals on nameplate: CE, TR Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="320 1402 437 1431">Materials:</p> <p data-bbox="320 1435 826 1579">Pump housing: Titanium ASTM B 265 Impeller: Titanium ASTM B 265 Bush material: NONE</p> <p data-bbox="320 1608 461 1637">Installation:</p> <p data-bbox="320 1641 858 1818">Maximum ambient temperature: 60 °C Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C Flange standard: PJE Pipe connection: 42,4 mm Flange size for motor: FT100</p> <p data-bbox="320 1848 497 1877">Electrical data:</p> <p data-bbox="320 1881 970 2085">Motor type: 80A IE Efficiency class: IE3 Rated power - P2: 0.75 kW Power (P2) required by pump: 0.75 kW 0.75 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-415Y V</p>

Position	Qty.	Description
		<p>Rated current: 3.30/1.90 A</p> <p>Starting current: 580-620 %</p> <p>Cos phi - power factor: 0.81-0.71</p> <p>Rated speed: 2840-2870 rpm</p> <p>Efficiency: IE3 80,7%</p> <p>Motor efficiency at full load: 80.7 %</p> <p>Motor efficiency at 3/4 load: 82.7 %</p> <p>Motor efficiency at 1/2 load: 81.7 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Others:</p> <p>Minimum efficiency index, MEI : 0.7</p> <p>Net weight: 19.4 kg</p> <p>Gross weight: 24.4 kg</p>

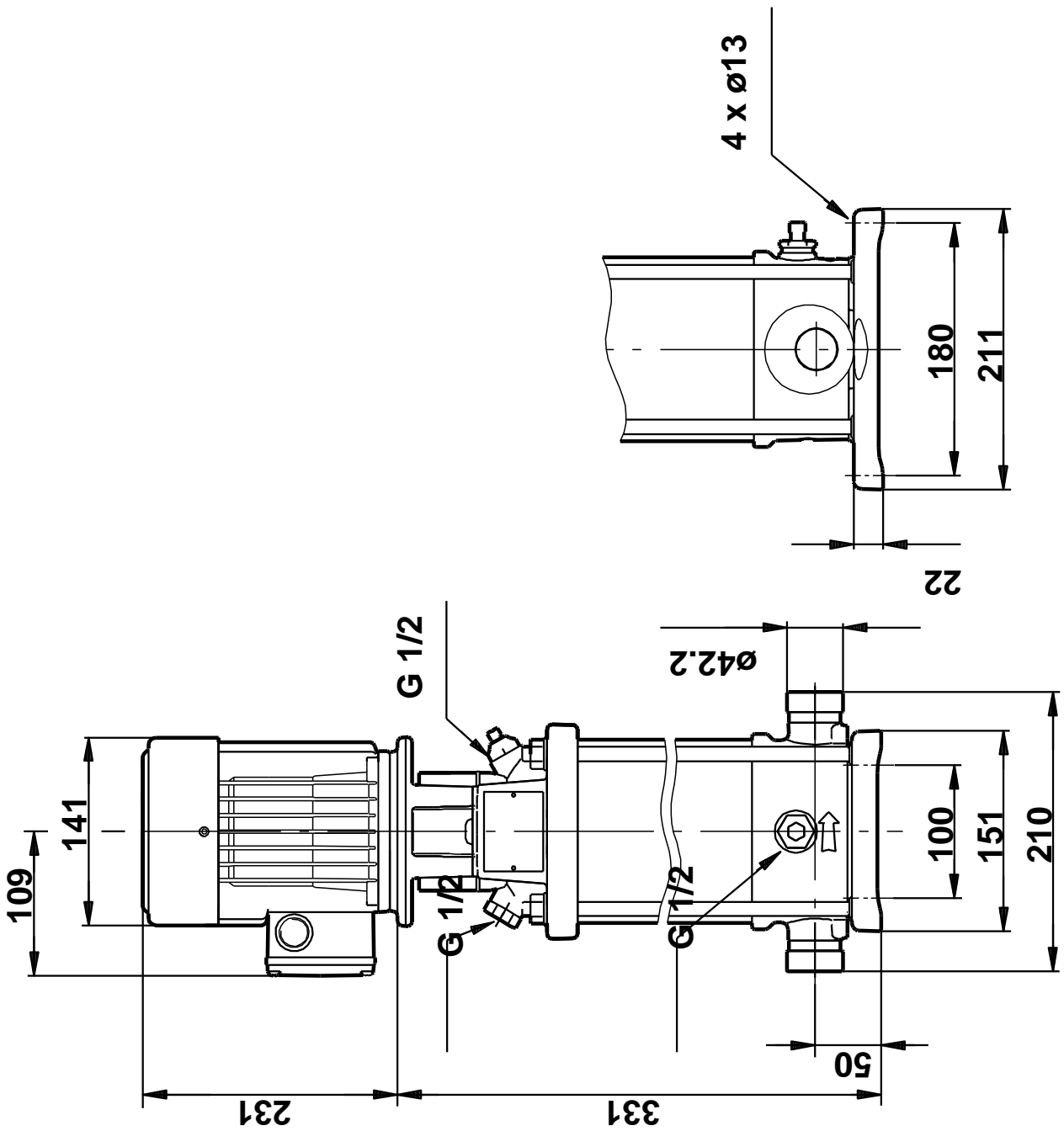
On request CRT 2-7 A-P-A-E-AUUE 50 Hz



Description	Value
General information:	
Product name:	CRT 2-7 A-P-A-E-AUUE
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	2.5 m ³ /h
Rated head:	40 m
Head max:	65.1 m
Stages:	7
Impellers:	7
Primary shaft seal:	AUUE
Approvals on nameplate:	CE, TR
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Pump housing:	Titanium ASTM B 265
Impeller:	Titanium ASTM B 265
Material code:	A
Code for rubber:	E
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:	42,4 mm
Flange size for motor:	FT100
Connect code:	P
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	80A
IE Efficiency class:	IE3
Rated power - P2:	0.75 kW
Power (P2) required by pump:	0.75 kW 0.75 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	3.30/1.90 A
Starting current:	580-620 %
Cos phi - power factor:	0.81-0.71
Rated speed:	2840-2870 rpm
Efficiency:	IE3 80,7%
Motor efficiency at full load:	80.7 %
Motor efficiency at 3/4 load:	82.7 %
Motor efficiency at 1/2 load:	81.7 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85U05104
Others:	
Minimum efficiency index, MEI :	0.7
Net weight:	19.4 kg
Gross weight:	24.4 kg

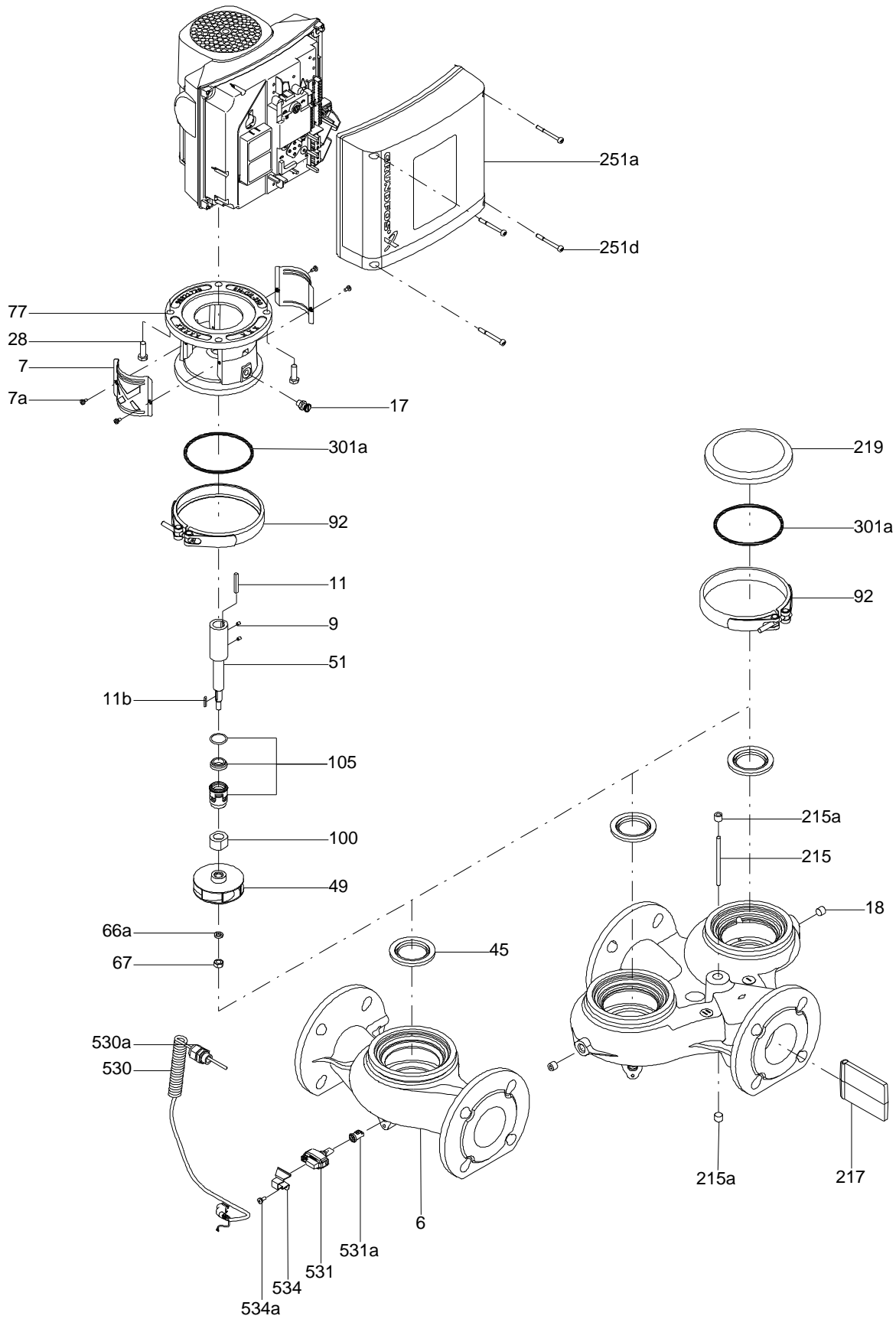


On request CRT 2-7 A-P-A-E-AUUE 50 Hz

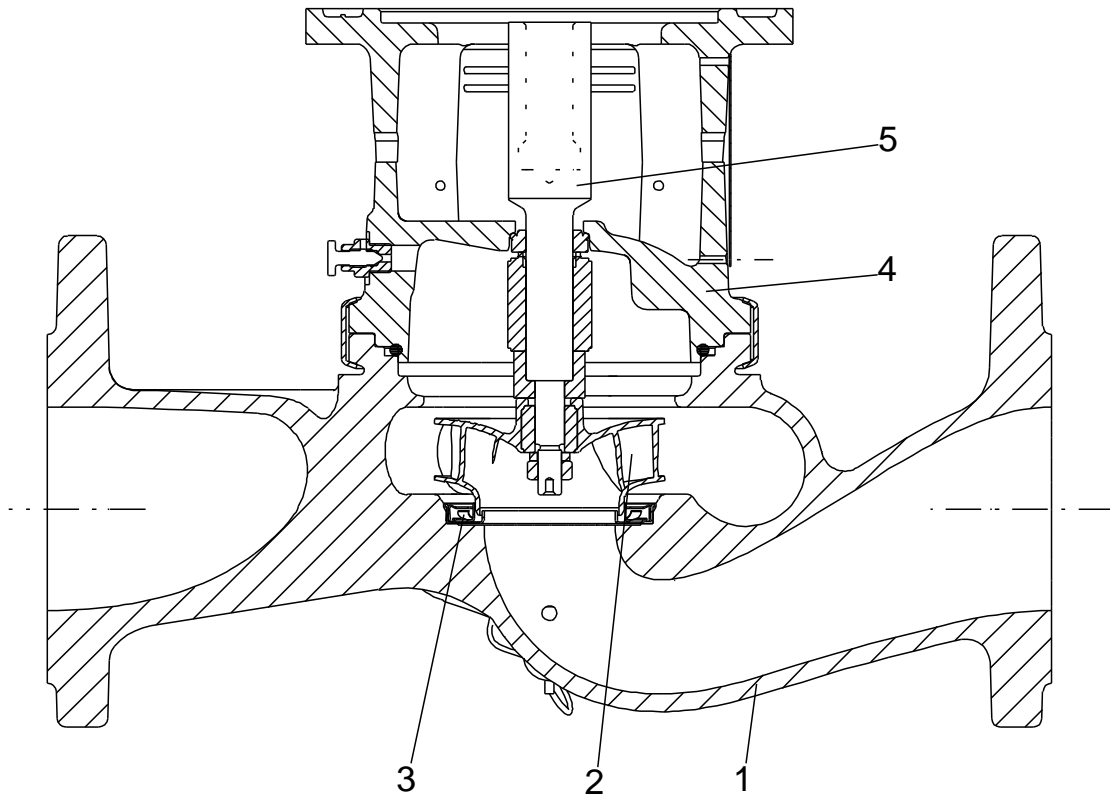


Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Exploded view

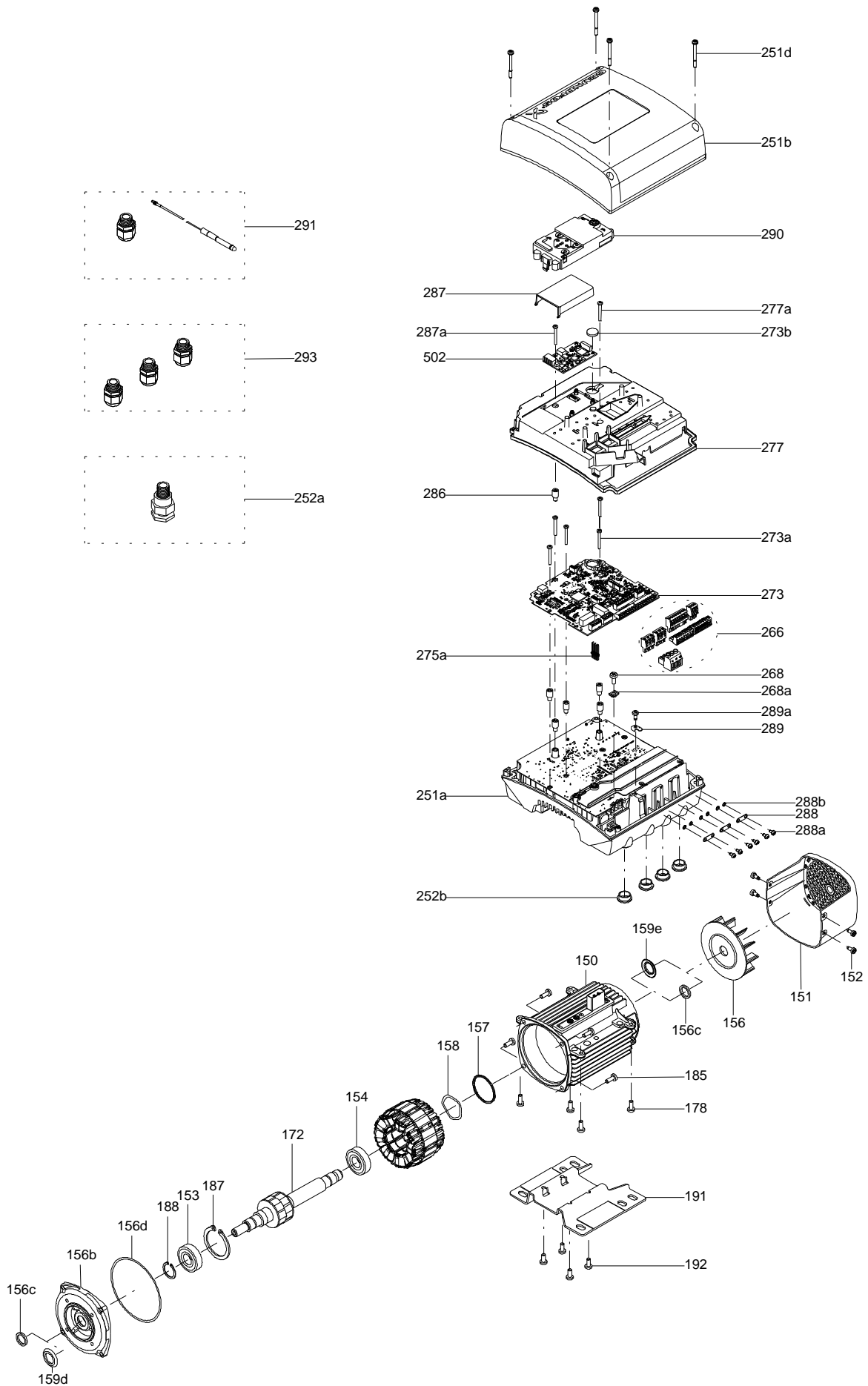


Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list CRT 2-7, Product No. On request
Valid from 7.2.2011 (1106)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
+	Motor				1	pcs
-	Base cpl.				1	pcs
	Plug				2	
6	Base				1	
56	Base plate				1	
-	Pump head cpl.				1	pcs
2	Pump head				1	
7	Coupling guard				2	
7a	Combi Slot Torx screw				4	
9	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 20			
			Thread: M6			
10	Shaft pin		Diameter: 5		1	
			Length (mm): 26			
10a	Coupling half				2	
18	Air vent screw		Thread: RG 1/2		1	
23	Plug				1	
28	Hex head screw		Length (mm): 25 MM		4	
			Thread: M6			
36	Nut		Thread: M12		4	
60	Formed wire spring				1	
66a	Washer		Designation: DIN 125 A2		4	
			Internal diameter: 13			
			Outer diameter: 24			
			Thickness: 2,5			
77	Pump head cover				1	
107	Plug				1	
-	Rubber parts cpl.				1	pcs
25	Priming valve cpl.				1	
37	O-ring				2	
100	O-ring		Diameter: 16,3		2	
			Material type: EPDM			
			Thickness: 2,4			
106	O-ring		Diameter: 22,00		1	
			Material type: EPDM			
			Thickness: 2,75			
-	Documentation / labels				1	pcs
76	Nameplate				1	
76a	Rivet				2	
26	Staybolt		Length (mm): 227		4	pcs
			Thread: M12			
55	Sleeve				1	pcs
-	80 Chamber stack				1	pcs
-	4 Intermediate chamber cpl.				5	
	Intermediate chamber				1	
45	Neck ring				1	
65	Neck ring retainer				1	
-	4a Chamber cpl.				1	
	Intermediate chamber				1	
45	Neck ring				1	
65	Neck ring retainer				1	
-	5a Intermediate chamber cpl.				1	
	Intermediate chamber				1	
45	Neck ring				1	
65	Neck ring retainer				1	
47a	Bearing ring, rotating				1	
49	Impeller cpl.				7	
50a	Guide vane				1	
51	Shaft cpl.		Diameter: M12		1	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
			Length (mm): 228,4			
61	Spacer for shaft seal				1	
64	Spacing pipe		Internal diameter: 12,7		5	
			Outer diameter: 15,0			
			Length (mm): 17,5			
64a	Spacing pipe				2	
64c	Spacing pipe		Internal diameter: 12,7		1	
			Outer diameter: 16,2			
			Length (mm): 10,5			
67	Lock nut		Thread: M8		1	
67a	Split pin		Designation: DIN 94		1	
			Diameter: 2,5			
			Length (mm): 20			
105	Shaft seal		Material type: AUUE		1	pcs

Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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