

16/02/2019

Qty. | Description

1



Product No.: 96501299

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 combined DIN-ANSI-JIS flanges.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Further product details

Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An integral part of the process is a pretreatment. The entire process consists of these elements:

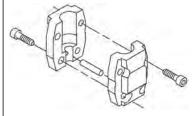
1) Alkaline-based cleaning.

- 2) Zinc phosphating.
- Cathodic electro-deposition.
- 4) Curing to a dry film thickness 18-22 my m.

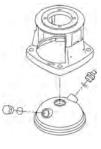
The colour code for the finished product is NCS 9000/RAL 9005.

Pump

A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor stool by means of two coupling guards.



The pump head and flange for motor mounting is made in one piece (cast iron). The pump head cover is a separate component (stainless steel). The pump head has a combined 1/2" priming plug and vent screw.



The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy. Due to the balancing, this seal type is suitable for high-pressure applications. The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal.

Primary seal:

Rotating seal ring material: silicon carbide (SiC)



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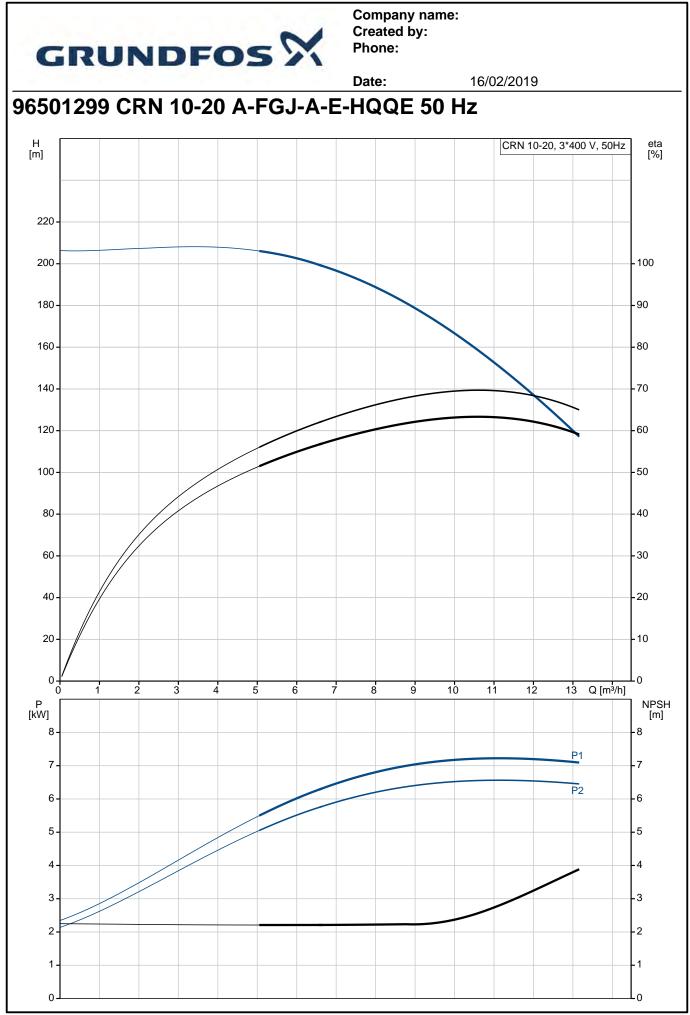
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16/02/2010

	Description	
	 Stationary seat materia 	I: silicon carbide (SiC)
	pairing offers good resistance	against abrasive particles.
	101	
l		
	The shaft seal is screwed into	the pump head.
l	ensure a high efficiency	The inclency. The impeners have shooth surfaces, and the shape of the blades
	ensure a high emolency.	
	The pump has a stainless stee	el base mounted on a separate base plate. This base and base plate are kept in
l	position by the tension of the	staybolts which hold the pump together. The outlet side of the base has a combin
l	drain plug and bypass valve.	I he pump is secured to the foundation by four boits through the base plate. The
	nanges and base are cast in c	The piece and prepared for connection by means of Dirit, Andri of 313.
	Motor	
		d. fan-cooled motor with principal dimensions to IEC and DIN standards. The mo
l	is flange-mounted with free-ho	ble flange (FF).
	Motor-mounting designation in	accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II).
l	protection reacts to both slow-	and quick-rising temperatures, e.g. constant overload and stalled conditions.
	Thermal switches must be cor	nnected to an external control circuit in a way which ensures that the automatic re
		motors must be connected to a motor-protective circuit breaker according to local
	•	
	The motor can be connected t	to a variable speed drives of adjustment of pump performance to any duty point.
Toe Tpdf N Tis METTPTCR TO TOF L PLLD T PRRP	Grundios COL offers a range	or variable speed drives. Flease find more information in Grundlos Floduct Cent
The chambers and impellers are r offering improved sealing and high ensure a high efficiency. The pump has a stainless steel bar position by the tension of the stay drain plug and bypass valve. The flanges and base are cast in one f Motor The motor is a totally enclosed, far is flange-mounted with free-hole f Motor-mounting designation in ac Electrical tolerances comply with The motor efficiency is classified a The motor fificiency is classified a The motor has thermistors (PTC s protection reacts to both slow- and Thermal switches must be connect cannot cause accidents. The motor regulations. The motor can be connected to a Grundfos CUE offers a range of v Technical data Controls: Frequency converter: Liquid temperature range: Liquid temperature during operation Density: Technical: Pump speed on which pump data Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:		
	Technical data	
	Controls:	NONE
	Controls: Frequency converter:	NONE
	Controls: Frequency converter: Liquid:	
	Controls: Frequency converter: Liquid: Pumped liquid:	Water
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range:	Water -20 120 °C
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope	Water -20 120 °C eration: 20 °C
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope	Water -20 120 °C
	 Stationary seat material: silicon carbide (SiC) This material pairing its used where higher corrosion resistance is required. The high hardness of this material pairing offer spoor fesistance against abrasive particles. Secondary seal material: EPDM (ethylene-propylene rubber) EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils. The shaft seal is screwed into the pump head. The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE nec offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blad ensure a high efficiency. The pump has a stainless steel base mounted on a separate base plate. This base and base plate are kept in position by the tension of the staybolis which hold the pump together. The outlet side of the base has a comb diral plug and typpas valar. The plump is accurate to the formation by means of DIN, ANSI or JIS. Motor The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The mis flange-mounted with free-hole flang (EF). The motor is a totally enclosed, fan-cooled motor with EC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical toleranc	
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow: Rated head:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow: Rated head: Pump orientation:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m Vertical
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow: Rated head: Pump orientation: Shaft seal arrangement:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m Vertical Single
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m Vertical Single HQQE
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m Vertical Single HQQE CE, EAC,ACS
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during ope Density: Technical: Pump speed on which pump of Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m Vertical Single HQQE CE, EAC,ACS
	Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during oper Density: Technical: Pump speed on which pump of Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	Water -20 120 °C eration: 20 °C 998.2 kg/m ³ data are based: 2919 rpm 10 m ³ /h 165.2 m Vertical Single HQQE CE, EAC,ACS ISO9906:2012 3B



	Da		16/02/2019	
Description				
Materials:				
Base:	Stainless steel			
	EN 1.4408			
	AISI 316			
Impeller:	Stainless steel			
	EN 1.4401			
	AISI 316			
Bearing:	SIC			
3				
Installation:				
Maximum ambient temperature:				
Maximum operating pressure:	25 bar			
Max pressure at stated temp:	25 bar / 120 °C			
	25 bar / -20 °C			
Type of connection:	DIN / ANSI / JIS			
Size of inlet connection:	DN 40			
	1 1/2 inch			
Size of outlet connection:	DN 40			
	1 1/2 inch			
Pressure rating for pipe connect				
Flange rating inlet:	300 lb			
Flange size for motor:	FF265			
Electrical data:				
Motor standard:	IEC			
Motor type:	132SB			
IE Efficiency class:	IE3			
Rated power - P2:	7.5 kW			
Power (P2) required by pump:	7.5 kW			
Mains frequency:	50 Hz	1		
Rated voltage:	3 x 380-415D/660-690Y	V		
Rated current:	14,4-14,0/8,30-8,10 A			
Starting current:	780-910 %			
Cos phi - power factor:	0.88-0.82			
Rated speed:	2910-2920 rpm			
Efficiency:	IE3 90,1%			
Motor efficiency at full load:	90.1-90.4 %			
Motor efficiency at 3/4 load:	90.8 %			
Motor efficiency at 1/2 load:	90.8 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Others:				
Minimum efficiency index, MEI á	%.¥· 0.70			
Net weight:	110 kg			
Gross weight:	132 kg			
Shipping volume:	0.321 m³			



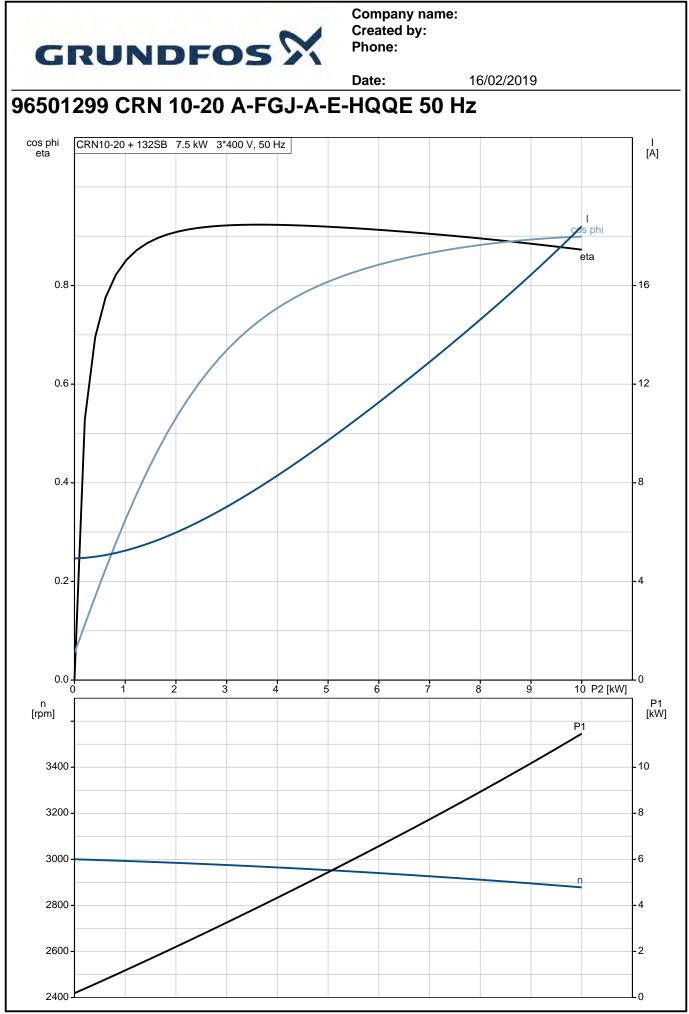


		Date:	16/02/2019
Description	Value	H [m]	CRN 10-20, 3*400 V, 50Hz [9
General information:		_	
Product name:	CRN 10-20 A-FGJ-A-E-HQQE	220 -	
Product No:	96501299	200 -	100
EAN number:	5700396219332	180 -	90
Technical:			
Pump speed on which pump data are based:	2919 rpm	160 -	80
Rated flow:	10 m³/h	140	
Rated head:	165.2 m	120 -	60
Head max:	205 m	100 -	-50
Stages:	205 111		
Impellers:	20	80 -	40
Number of reduced-diameter impellers:	0	60 -	- 30
		°] //	
Low NPSH:	N	40 -	
Pump orientation:	Vertical	20-	- 10
Shaft seal arrangement:	Single	201/	
Code for shaft seal:	HQQE		4 6 8 10 12 Q [m³/h]
Approvals on nameplate:	CE, EAC,ACS		4 6 8 10 12 Q [m³/h]
Curve tolerance:	ISO9906:2012 3B	P [kW]	
Pump version:	А	7-	<u>P1</u> 7
Model:	A		
Materials:		6-	Ů
Base:	Stainless steel	5 -	-5
	EN 1.4408	4-	4
	AISI 316	3-	3
Impeller:	Stainless steel	2	2
•	EN 1.4401	1	1
	AISI 316		
Material code:	A		0
Code for rubber:	E	15	9
Bearing:	SIC	15	
Installation:	010		
Maximum ambient temperature:	60 °C		
	25 bar		
Maximum operating pressure:			
Max pressure at stated temp:	25 bar / 120 °C	<u>300</u> <u>G 1/2</u>	<u>6 1/2</u>
Time of compared	25 bar / -20 °C		
Type of connection:	DIN / ANSI / JIS		<u>4 × 18.5 × 23.5</u>
Size of inlet connection:	DN 40	8 <u>1 X G 1/2</u>	
	1 1/2 inch		
Size of outlet connection:	DN 40		
	1 1/2 inch		130 200 4 × 13
Pressure rating for pipe connection:	PN 25		280 215
Flange rating inlet:	300 lb		
Flange size for motor:	FF265		
Connect code:	FGJ		Y
Liquid:			
Pumped liquid:	Water	(1 +T (1 +T	
Liquid temperature range:	-20 120 °C		
Liquid temperature during operation:	20 °C	— Lor	<u> </u>
Density:	998.2 kg/m ³		
Electrical data:		TO AMPLIFIER RELAY L1 L2	
Motor standard:	IEC		
	132SB		
Motor type:	IE3	10 +т 10 +т	
IE Efficiency class:			
Rated power - P2:	7.5 kW	<u> </u>	
Power (P2) required by pump:	7.5 kW	백 🖗(
Mains frequency:	50 Hz	TO AMPLIFIER RELAY	

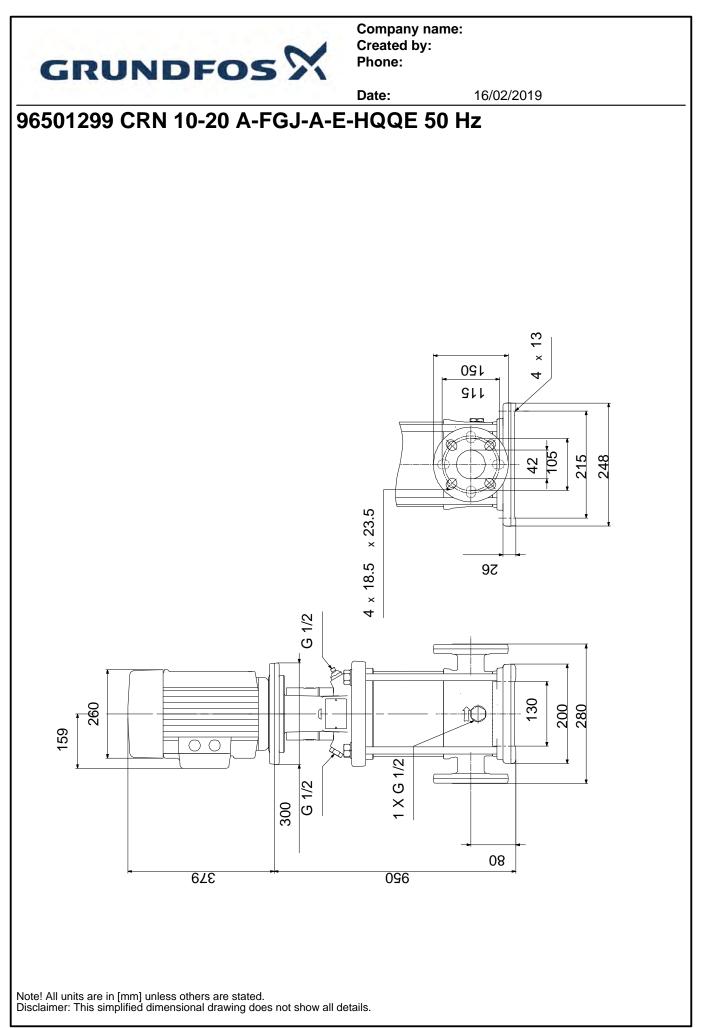
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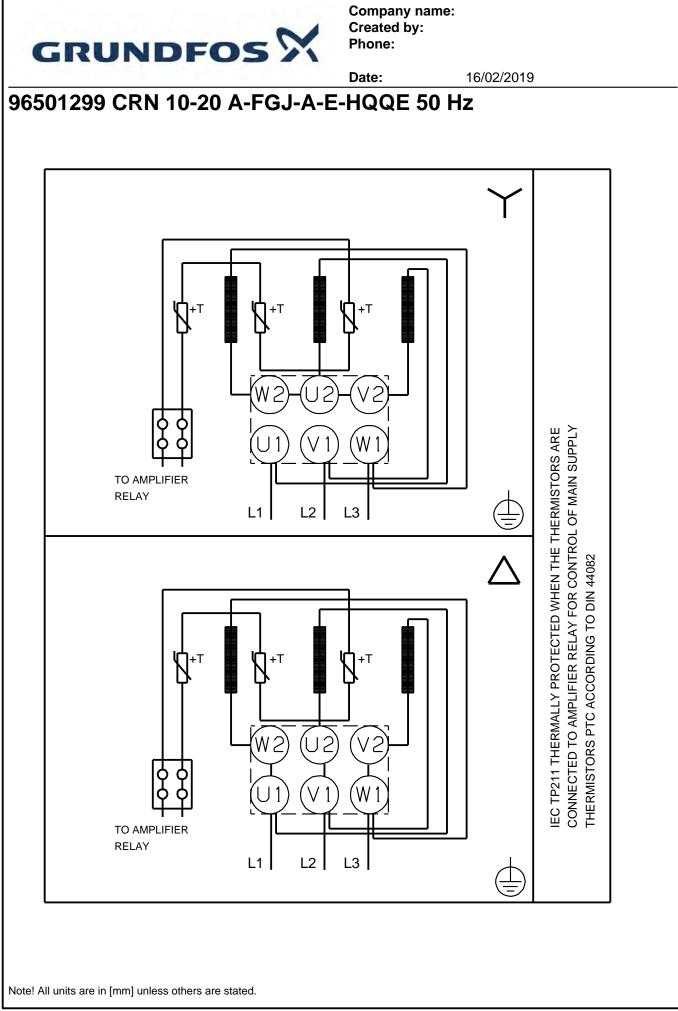


		Date:	16/02/2019
escription	Value		
ated voltage:	3 x 380-415D/660-690Y V	-	
ated current:	14,4-14,0/8,30-8,10 A		
starting current:	780-910 %		
cos phi - power factor:	0.88-0.82		
ated speed:	2910-2920 rpm		
fficiency:	IE3 90,1%		
lotor efficiency at full load:	90.1-90.4 %		
lotor efficiency at 3/4 load:	90.8 %		
lotor efficiency at 1/2 load:	90.8 %		
umber of poles:	2		
nclosure class (IEC 34-5):	55 Dust/Jetting		
sulation class (IEC 85):	F		
lotor protec:	PTC		
lotor No:	85U17522		
Controls:			
requency converter:	NONE		
Others:			
linimum efficiency index, MEI ≥:	0.70		
let weight:	110 kg		
Gross weight:	132 kg		
hipping volume:	0.321 m³		

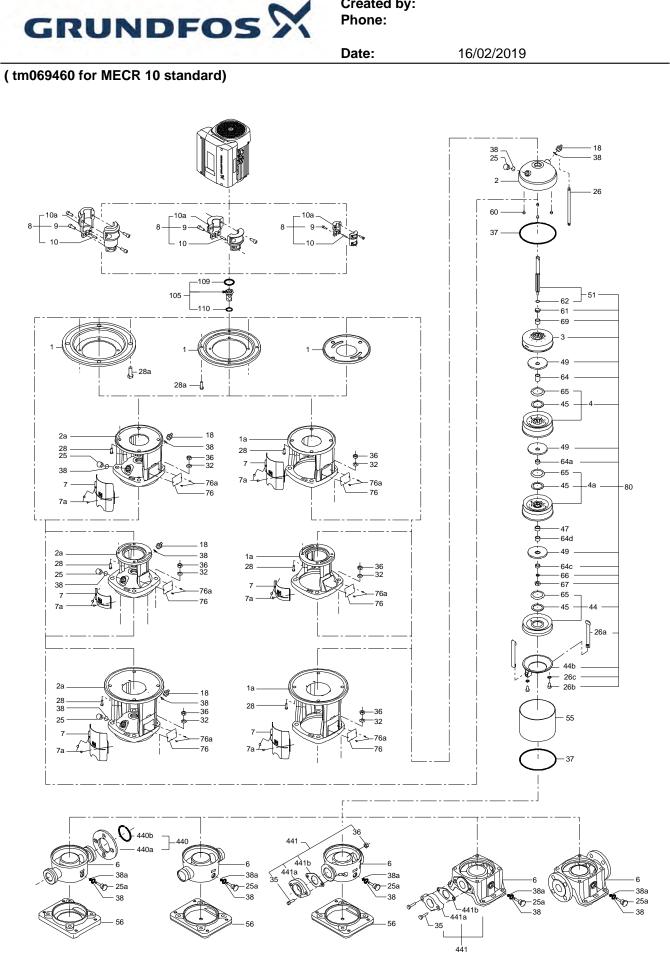


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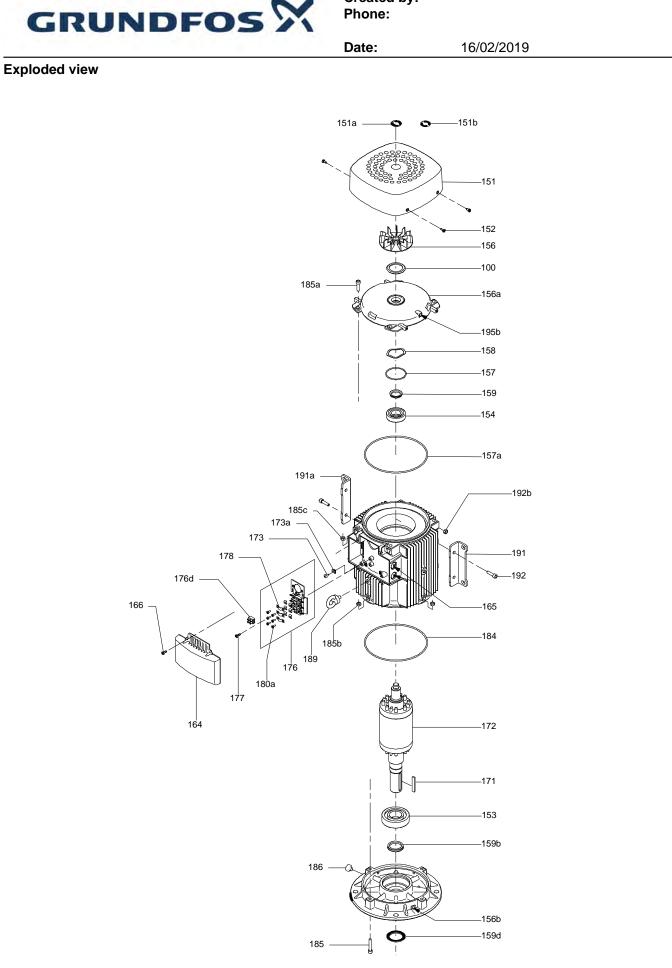






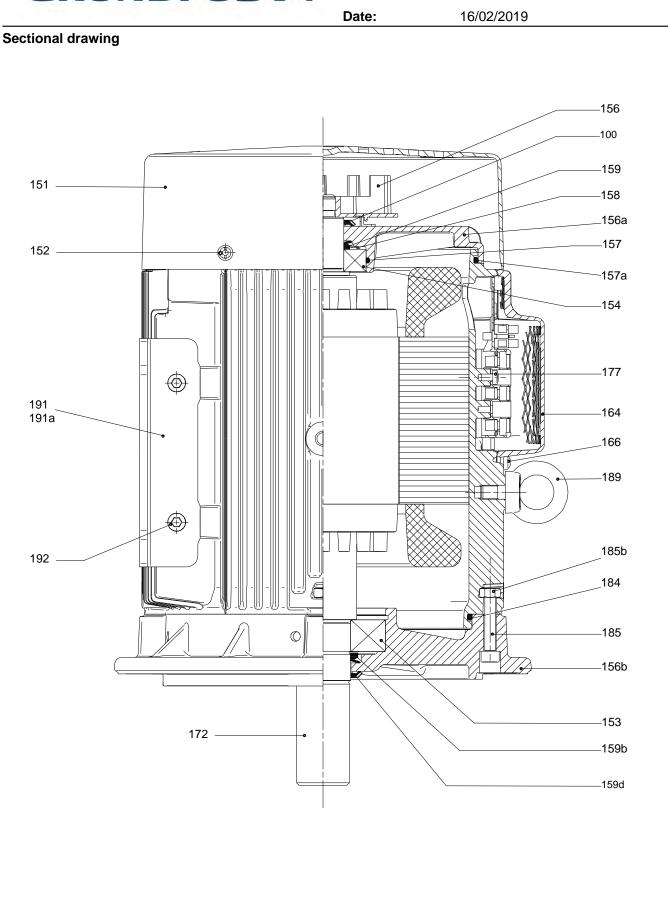




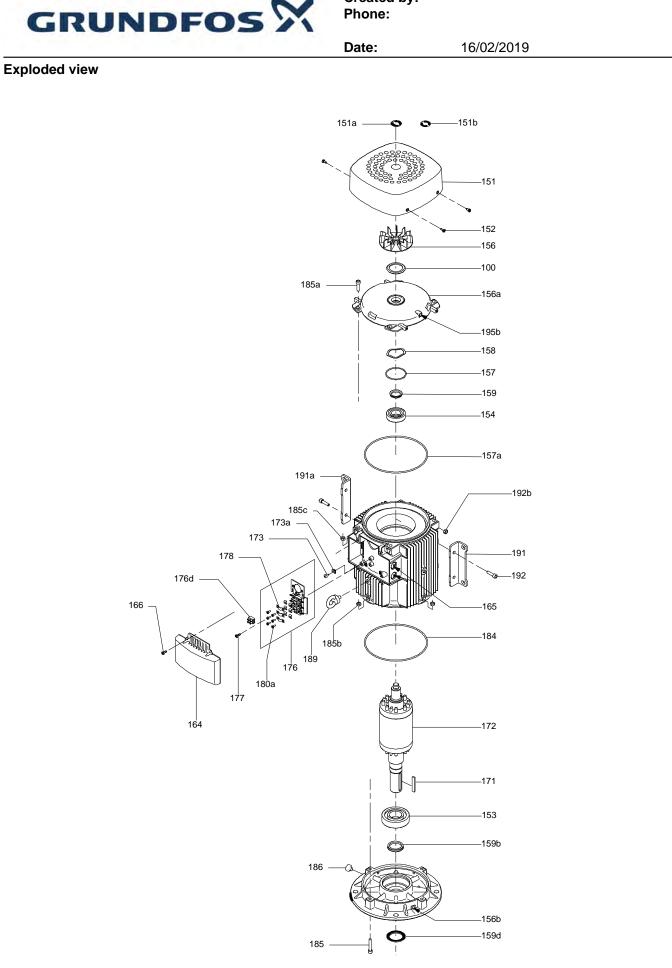




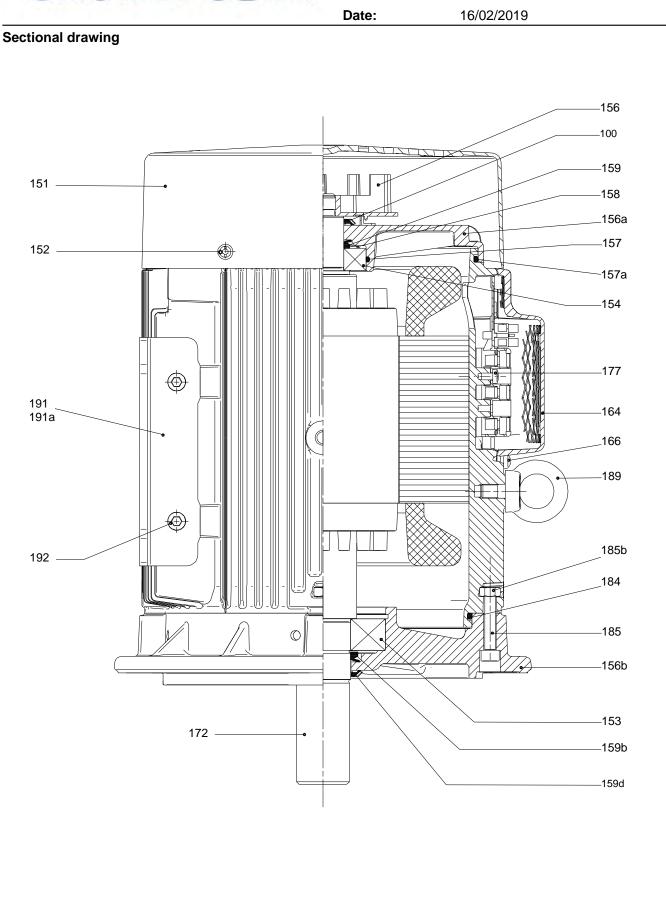
Phone:













16/02/2019

Spare parts CRN 10-20, Product No. 96501299 Valid from 1.1.2011 (1152)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
	Kit, chamber stack			96491734	1	pcs
80	Chamber stack				1	
3	Top intermediate chamber					
	Guide vane					
	Cover plate					
3	Top intermediate chamber					
4a	Intermediate chamber cpl.					
	Sand Lifter					
	Guide cup					
	Bearing plate					
	Guide vane					
3	Intermediate chamber					
45	Neck ring cpl.					
47	Bearing bush					
65	Retainer					
4	Intermediate chamber cpl.					
3	Intermediate chamber					
45	Neck ring cpl.					
65	Retainer					
26a	Strap cpl.					
26.c	Washer		Designation: DIN 125A			
20.0			Thickness: 1,6			
26.b	Hex head screw		THERIC33. 1,0			
44b	Inlet part					
44a	Inlet part cpl.					
440	Inlet part op:					
45						
45 65	Neck ring cpl. Retainer					
47	Bearing ring					
49	Impeller cpl.					
51	Shaft, spline, cpl.					
~~	Bar					
62	Stop ring					
64c	Spacing pipe		Length (mm): 12.7			
64a	Spacing bush		Length (mm): 9.00			
64.d	Spacer					
64	Spacing pipe		Length (mm): 29.05			
66	Wedge lock washer					
67	Lock nut		Thread: M8			
69	Spacing bush		Length (mm): 18.00			
	Kit, coupling			96511351		pcs
	Adjusting fork				1	
8	Coupling				1	
9	Hex socket head cap screw		Designation: DIN 912			
			Length (mm): 25			
			Thread: M10			
10a	Coupling half					
10	Shaft pin		Diameter: 5			
			Length (mm): 26			
	Kit, coupling guard			96509613	1	pcs
7.a	Combi Slot Torx screw				2	1
7	Coupling guard				2	2
	Kit, gaskets			96509609	1	pcs



Pos	Description	Annotation	Classification Data	Part no.	Qty. Unit
	Gasket				2
24	O-ring				2
37	O-ring				2
38a	O-ring		Diameter: 5,3		1
			Material type: EPDM		
			Thickness: 2,4		
38	O-ring		Diameter: 16,3		1
			Material type: EPDM		
			Thickness: 2,4		
38	O-ring		Diameter: 16,3		2
			Material type: EPDM		
			Thickness: 2,4		
50	Spring				4
115	Gasket				2
141b	Gasket		Internal diameter: 49		2
			Outer diameter: 92		
			Thickness: 2		
	Kit, plug			96511312	1 pcs
18	Air vent screw				1
	Spindle				
	Plug				
25a	Drain plug				1
25	Plug				1
38a	O-ring		Diameter: 5,3		1
	5		Material type: FKM		
			Thickness: 2,4		
38a	O-ring		Diameter: 5,3		1
	- ····g		Material type: EPDM		-
			Thickness: 2,4		
38	O-ring		Diameter: 16,3		1
	C mig		Material type: FKM		•
			Thickness: 2,4		
38	O-ring		Diameter: 16,3		2
	0 mg		Material type: FKM		2
			Thickness: 2,4		
38	O-ring		Diameter: 16,3		1
0	O-mig		Material type: EPDM		•
			Thickness: 2,4		
38	O-ring		Diameter: 16,3		2
00	0-mig		Material type: EPDM		2
			Thickness: 2,4		
	Kit, shaft seal HQQE		THICKHESS. 2,4	96511844	1 pcs
	Emery cloth			30311044	1
	Grinding device				1
105	Shaft seal		Material type: HQQE		1
105	Kit, wear parts			96511925	
1a	Intermediate chamber cpl.			90311923	3
ŧd	Sand Lifter				3
	Guide cup				
	Bearing plate				
2	Guide vane				
3	Intermediate chamber				
45	Neck ring cpl.				
47	Bearing bush				
65	Retainer				
26.c	Washer		Designation: DIN 125A Thickness: 1,6	·	2
26.b	Hex head screw				2
15	Neck ring cpl.				19



4.77		Date:	16/02/2019
Pos	Description	Annotation Classification Data	Part no. Qty. Unit
47	Bearing ring		3
62	Retaining ring		1
64c	Spacing pipe	Length (mm): 12.7	1
64a	Spacing bush	Length (mm): 9.00	3
64.d	Spacer		3
65	Retainer		19
66	Wedge lock washer		1
67	Lock nut	Thread: M8	1
	Motor		91333038 1 pcs
	Kit, bearing cpl.		96796642 1
111	Ball bearing	Designation: 620	06.2Z.C3.SYN
153	Angular-contact bearing		
157	O-ring	Diameter: 62	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
159.b	V-ring		
159	V-ring		
	Kit, eyebolt		96279874 1
189	Lifting eye		
	Kit, fan		96796189 1
156	Fan		
	Kit, fan cover		96796188 1
151	Fan cover		
152	Pan head thread forming screw		
	Kit, flange		96796224 1
156.b	Flange		
159.b	V-ring		
185c	Nut		
185	Hex socket head cap screw		
186	Drain plug		
100	Kit, gaskets		96798510 1
184	O-ring		30100010 1
104	Kit, ND-end shield cpl.		96796598 1
156.a	End shield NDE		30730330 1
157	O-ring	Diameter: 62	
107	C mg	Material type: NBR	
		Thickness: 3	
158	Waved washer	Thome33. 0	
159	Vared washer		
185.c	Nut		
185.a	Hex socket head cap screw		
100.0	Kit, shaft seal		96843458 1
159.b	V-ring		000000000
159.0	V-ring		
100	Kit, terminal board		96030209 1
176	Terminal		30030203 1
176	Terminal board		
176	Connecting piece		
179	Cable shoe	Designation: 00	
180a	Slot cheese head screw	Designation: CO	
		Length (mm): 10	
400		Thread: M5	
180	Wire clamp		00700015
404	Kit, terminal box cover		96796215 1
164	Terminal box cover w/gasket		
166	Pan head thread forming screw		05000505
	Motor		85903585 1 pcs
	Kit, bearing cpl.		96796642 1



os	Description	Annotation	Classification Data	Part no. Qtv	/. Unit
111	Ball bearing		Designation: 62		.
153	Angular-contact bearing				
157	O-ring		Diameter: 62		
	, and the second s		Material type: NBR		
			Thickness: 3		
158	Waved washer				
159.b	V-ring				
159	V-ring				
	Kit, eyebolt			96279874	1
189	Lifting eye				
	Kit, fan			96796189	1
156	Fan				
	Kit, fan cover			96796188	1
151	Fan cover				
152	Pan head thread forming screw				
	Kit, flange			96796224	1
156.b	Flange				
159.b	V-ring				
185c	Nut				
185	Hex socket head cap screw				
186	Drain plug				
	Kit, gaskets			96798510	1
184	O-ring				
	Kit, ND-end shield cpl.			96796598	1
156.a	End shield NDE				•
157	O-ring		Diameter: 62		
101	C mig		Material type: NBR		
			Thickness: 3		
158	Waved washer				
159	V-ring				
185.c	Nut				
185.a	Hex socket head cap screw				
100.0	Kit, shaft seal			96843458	1
159.b	V-ring			00010100	•
159	V-ring				
100	Kit, terminal board			96030209	1
176	Terminal			0000200	1
176	Terminal board				
178	Connecting piece				
179	Cable shoe				
180a	Slot cheese head screw		Designation: C	OMBI TORX T25	
100a	Slot cheese head screw		Length (mm): 10	JIVIDI TORA 125	
			Thread: M5		
180	Wire clamp		mieau. Mo		
100	Wire clamp Kit, terminal box cover			96796215	1
164				90790215	I
	Terminal box cover w/gasket				
166	Pan head thread forming screw			00014054 4	
1a	Pump head			98914854 1	pcs
1	Flange			99104283 1	pcs
2	Pump cover			98481138 1	pcs
3	Top intermediate chamber			98371084 1	pcs
4a	Intermediate chamber cpl.			98371088 3	pcs
4	Intermediate chamber cpl.			98371086 16	pcs
3	Intermediate chamber			98371064	1
6	Base			98892305 1	pcs
10	Bulk, Shaft pin (10 pcs)		Diameter: 5	96536473 1	pcs
			Length (mm): 26		
18	Bulk, Air vent screw (5 pcs)			96547461 1	pcs



				Date:	16/02/2019		
	Pos	Description Ar	notation	Classification Data	Part no.	Qty.	Unit
+	18	Air vent screw			95061351	1	pcs
	25	Bulk, Plug (10 pcs)			96536013	1	pcs
	26a	Strap cpl.			98959210	2	pcs
	26.c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704	2	pcs
				Thickness: 1,6			
	26.c	Washer		Designation: DIN 125A	96586880	2	pcs
				Thickness: 1,6			
	26	Staybolt			98982888	4	pcs
	37a	Bulk, O-ring (20 pcs)			96538857	1	pcs
	38a	Bulk, O-ring (10 pcs)		Diameter: 5,3	99198791	1	pcs
				Material type: EPDM			
				Thickness: 2,4			
	38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	pcs
				Material type: EPDM			
				Thickness: 2,4			
	38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
				Material type: EPDM			
				Thickness: 2,4			
	44b	Inlet part			98814593		pcs
+	44a	Inlet part cpl.			98890953		pcs
	47	Bulk, Bearing ring (10 pcs)			96538795	-	pcs
	49	Impeller cpl.			98459841	-	pcs
+	51	Shaft, spline, cpl.			98368644	1	pcs
	55	Outer sleeve			98812647		pcs
	56	Base plate			98824711	1	pcs
	60	Bulk, Spring (20 pcs)			96538963	4	pcs
	64c	Bulk, Spacing pipe (5 pcs)		Length (mm): 12.7	97980241	1	pcs
	64a	Bulk, Spacing bush (20 pcs)		Length (mm): 9.00	96538950	-	pcs
	64.d	Bulk, Spacer (20 pcs)			97516851	-	pcs
	64	Bulk, Spacing pipe (20 pcs)		Length (mm): 29.05	96535101	16	pcs
	66	Bulk, Wedge lock washer (10 pcs)			96536157		pcs
	67	Bulk, Lock nut (10 pcs)		Thread: M8	98277008	1	pcs
	69	Bulk, Spacing bush (20 pcs)		Length (mm): 18.00	96538948	1	pcs
	76a	Bulk, Rivet (100 pcs)			96620489	1	pcs
	105	Bulk, Shaft seal (11 pcs)		Material type: HQQE	96538914	1	pcs
	203	Helical compression spring			96547671	2	pcs