

**Date:** 16/02/2019

Qty. | Description

1 | CR 10-16 A-FJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96501222

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in 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-JIS flanges.

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

#### Further product details

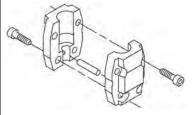
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

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

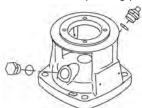
The colour code for the finished product is NCS 9000/RAL 9005.

### **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, pump head cover and flange for motor mounting is made in one piece. The pump head has a combined 1/2" priming plug and vent screw.





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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)
- Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance 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 neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.

The base is made of cast iron. The flanges and base are cast in one piece. The outlet side of the base has a drain plug. The pump is secured to the foundation by four bolts through the base plate.



#### Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with free-hole flange (FF).

Motor-mounting designation in accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.

The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center.

#### **Technical data**

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 120 °C
Liquid temperature during operation: 20 °C



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Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2919 rpm

Rated flow: 10 m³/h
Rated head: 129.4 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:

Base: Cast iron

EN 1561 EN-GJL-200

**ASTM A48-25B** 

Impeller: Stainless steel

EN 1.4301 AISI 304

Bearing: SIC

Installation:

Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 120 °C

16 bar / -20 °C

Type of connection: DIN / JIS Size of inlet connection: DN 40

1 1/2 inch

Size of outlet connection: DN 40
Pressure rating for pipe connection: PN 25
Flange rating inlet: 300 lb
Flange size for motor: FF265

**Electrical data:** 

Motor standard: IEC
Motor type: 132SC
IE Efficiency class: IE3
Rated power - P2: 5.5 kW
Power (P2) required by pump: 5.5 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D V

Rated current: 11 A

Starting current: 1080-1180 %
Cos phi - power factor: 0.87-0.82
Rated speed: 2920-2940 rpm
Efficiency: IE3 89,2%
Motor efficiency at full load: 89.2 %
Motor efficiency at 3/4 load: 90.0 %
Motor efficiency at 1/2 load: 89.6 %

Motor efficiency at 1/2 load: 89.6 % 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: 97 kg
Gross weight: 119 kg
Shipping volume: 0.321 m³

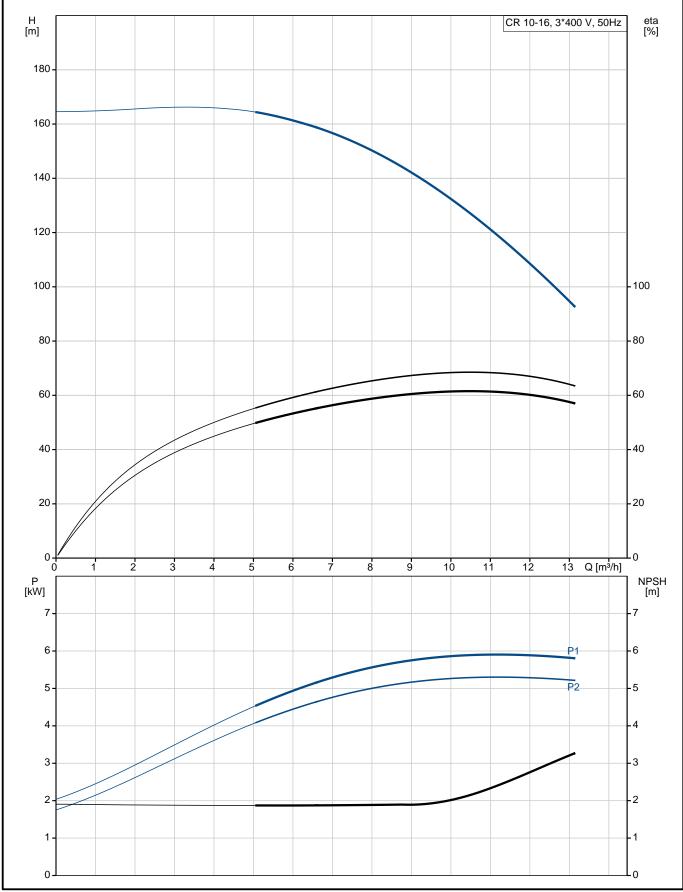


			Date:	16/02/2019	
Qty.	Description				
	Danish VVS No.:	385903160			
	Swedish RSK No.:	5823468			



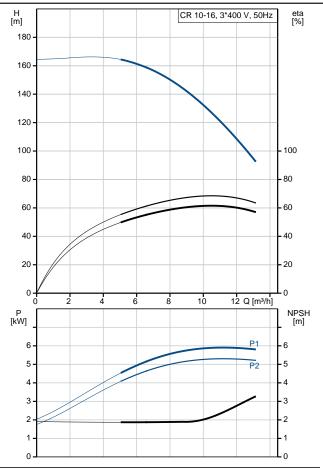
**Date:** 16/02/2019

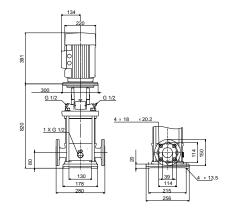
### 96501222 CR 10-16 A-FJ-A-E-HQQE 50 Hz

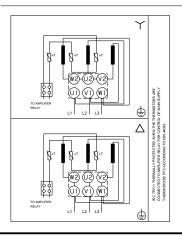




Description	Value
General information:	
Product name:	CR 10-16 A-FJ-A-E-HQQE
Product No:	96501222
EAN number:	5700396217796
Technical:	
Pump speed on which pump data are based:	2919 rpm
Rated flow:	10 m³/h
Rated head:	129.4 m
Head max:	163 m
Stages:	16
Impellers:	16
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE, EAC,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Base:	Cast iron
Dase.	EN 1561 EN-GJL-200
	ASTM A48-25B
lese alla vi	
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
	CO 9C
Maximum ambient temperature:	60 °C 16 bar
Maximum operating pressure:	
Max pressure at stated temp:	16 bar / 120 °C
	401 / 0000
<del></del>	16 bar / -20 °C
Type of connection:	DIN / JIS
Type of connection: Size of inlet connection:	DIN / JIS DN 40
Size of inlet connection:	DIN / JIS DN 40 1 1/2 inch
Size of inlet connection: Size of outlet connection:	DIN / JIS DN 40 1 1/2 inch DN 40
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ Water
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ Water -20 120 °C
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ Water -20 120 °C
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection: Flange rating inlet: Flange size for motor: Connect code:  Liquid:  Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³  IEC
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:  Motor standard:  Motor type:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 132SC
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:  Motor standard:  Motor type:  IE Efficiency class:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:  Motor standard:  Motor type:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 132SC
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:  Motor standard:  Motor type:  IE Efficiency class:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 132SC IE3
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 132SC IE3 5.5 kW
Size of inlet connection:  Size of outlet connection:  Pressure rating for pipe connection:  Flange rating inlet:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Electrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:	DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FF265 FJ  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 132SC IE3 5.5 kW 5.5 kW







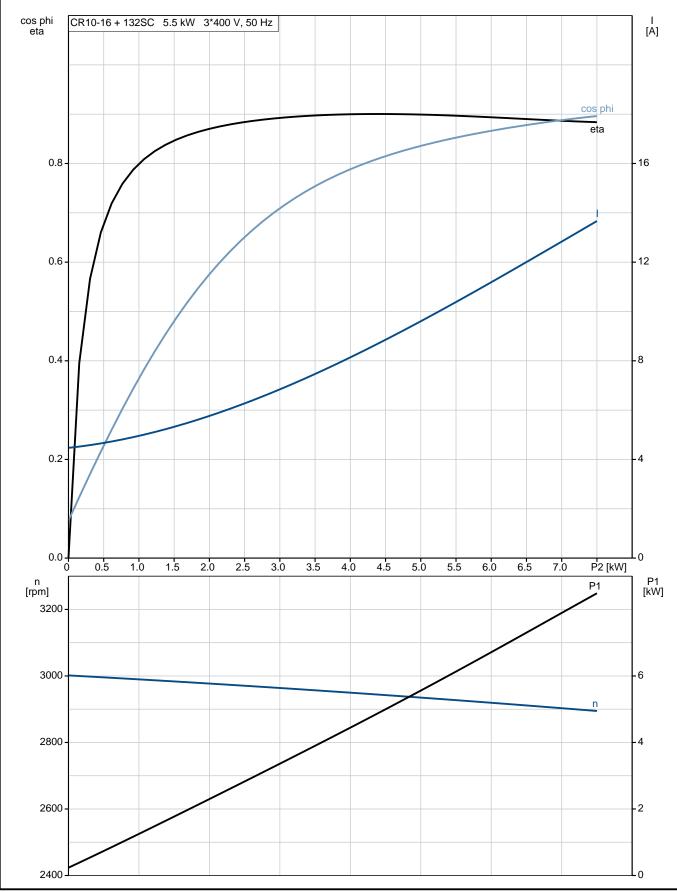


Description	Value
Starting current:	1080-1180 %
Cos phi - power factor:	0.87-0.82
Rated speed:	2920-2940 rpm
Efficiency:	IE3 89,2%
Motor efficiency at full load:	89.2 %
Motor efficiency at 3/4 load:	90.0 %
Motor efficiency at 1/2 load:	89.6 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17417
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	97 kg
Gross weight:	119 kg
Shipping volume:	0.321 m <sup>3</sup>
Danish VVS No.:	385903160
Swedish RSK No.:	5823468



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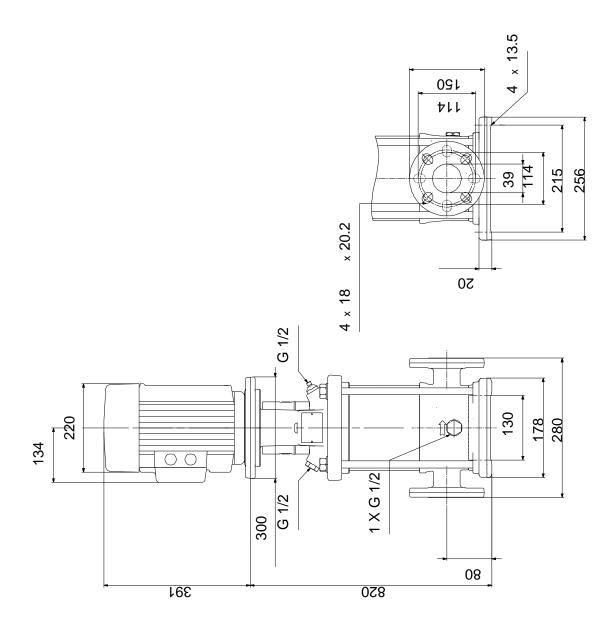
### 96501222 CR 10-16 A-FJ-A-E-HQQE 50 Hz





Date: 16/02/2019

# 96501222 CR 10-16 A-FJ-A-E-HQQE 50 Hz

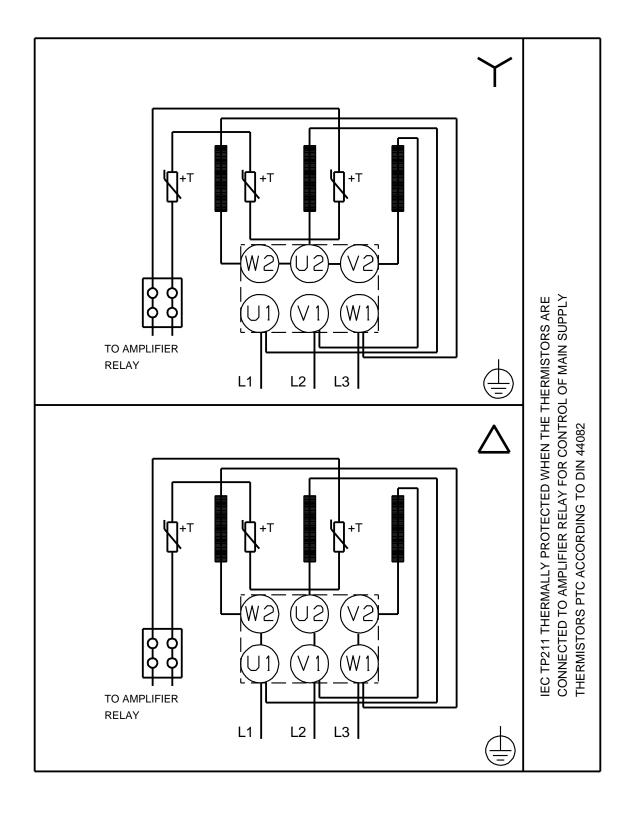


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



**Date:** 16/02/2019

# 96501222 CR 10-16 A-FJ-A-E-HQQE 50 Hz



Note! All units are in [mm] unless others are stated.

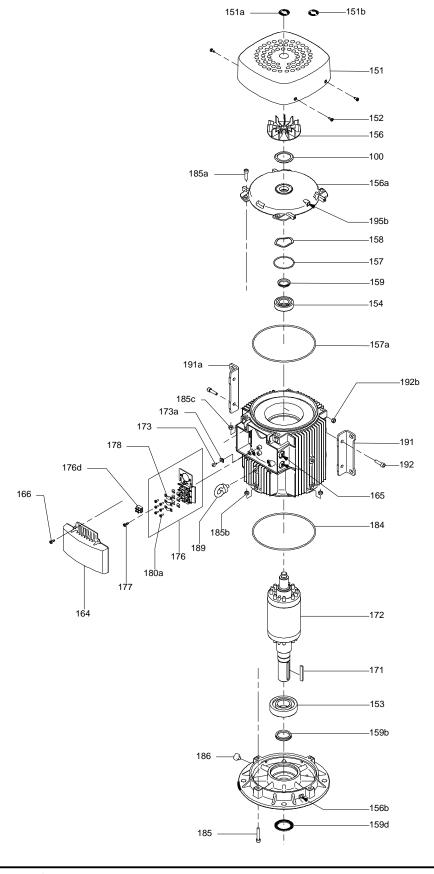


Date: 16/02/2019 (tm069460 for MECR 10 standard) 62 -28a --65 45 26c 26b



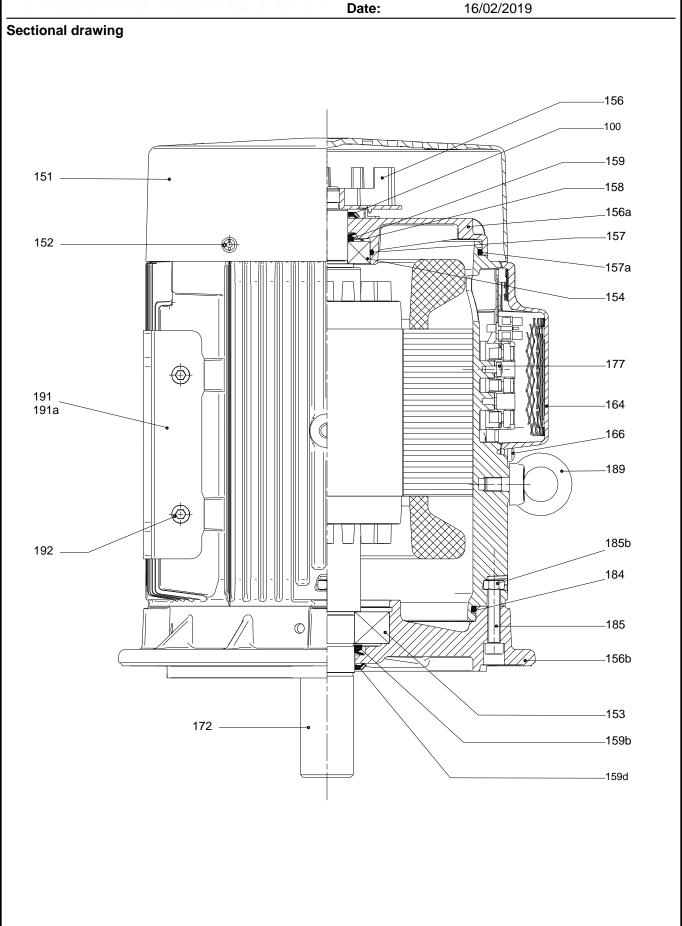
**Date:** 16/02/2019

### **Exploded view**





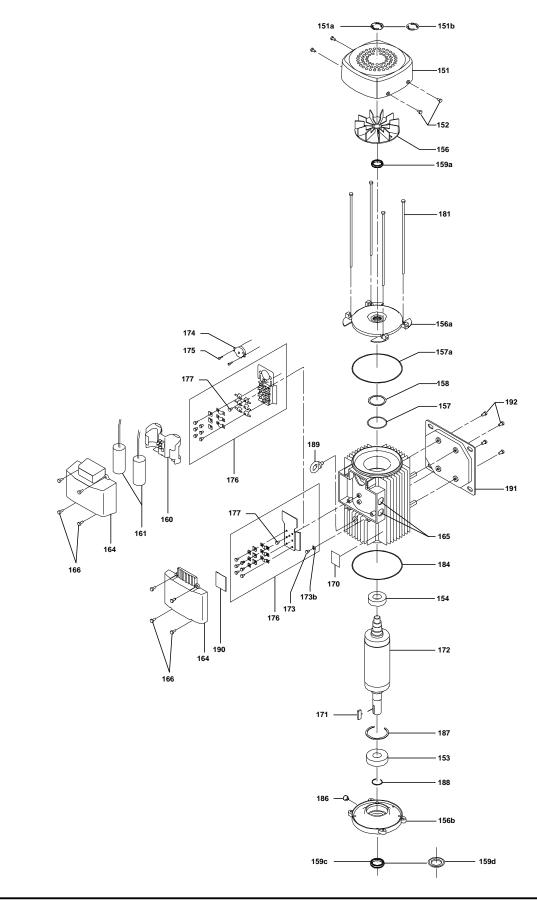
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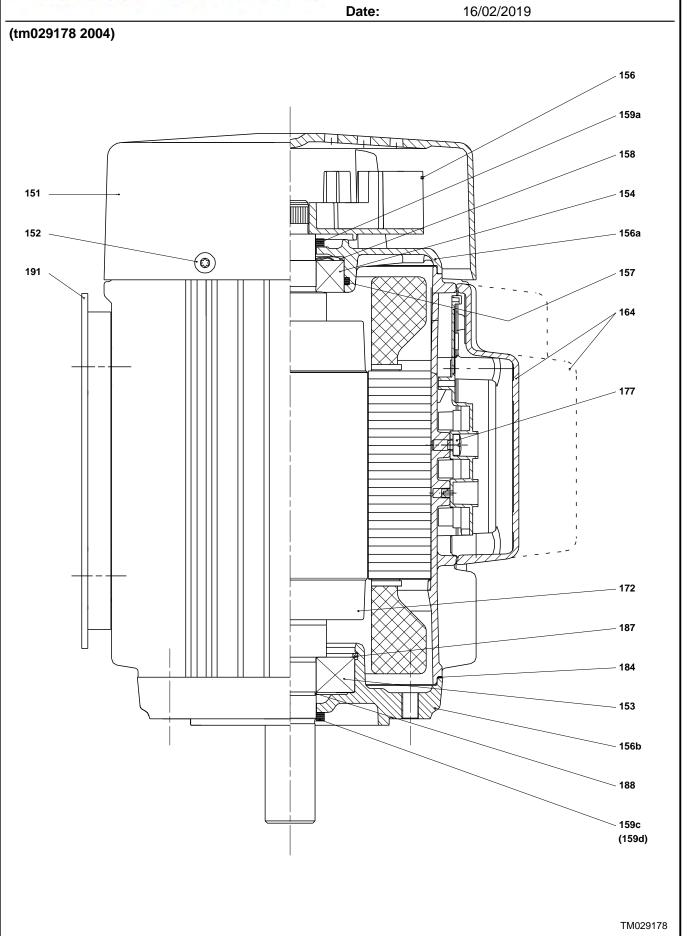
**Date:** 16/02/2019

(tm029184 0505)



TM029184







**Date:** 16/02/2019

### Spare parts CR 10-16, Product No. 96501222 Valid from 1.1.2011 (1152)

F	os	Description	Annotation	Classification Data	Part no.	Qty.	
-		Kit, chamber stack			96508415	1	pcs
	30	Chamber stack		Bearing type: SIC		1	Í
- 3	3	Top intermediate chamber					
		Spare, turbulence optimizer KP					
		Guide vane					
- 4	<del>1</del> a	Intermediate chamber cpl.					
		Guide cup					
		Bearing plate					
		Guide vane					
3	3	Intermediate chamber					
4	15	Neck ring cpl.					
4	17	Bearing bush					
6	65	Retainer					
- 4	1	Intermediate chamber cpl.					
		Guide cup					
		Guide vane					
3	3	Intermediate chamber					
4	15	Neck ring cpl.					
6	35	Retainer					
	26a	Strap cpl.					
	26.c	Washer		Designation: DIN 125A			
_	-0.0			Thickness: 1,6			
2	26.b	Hex head screw		111101111000. 1,0			
	14b	Inlet part					
	14a	Inlet part cpl.					
	тта	Guide cup					
		Inlet part					
	15	Neck ring cpl.					
	+5 55	Retainer					
	17						
	+7 19	Bearing ring					
	+9 51	Impeller cpl.					
- 0	01	Shaft, spline, cpl.					
_	20	Bar					
	52	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			
6	69	Spacing bush		Length (mm): 18.00			
-		Kit, coupling			96511351	1	pcs
		Adjusting fork				1	ĺ
- 8	3	Coupling				1	İ
õ	9	Hex socket head cap screw		Designation: DIN 912			
				Length (mm): 25			
				Thread: M10			
1	10a	Coupling half					
1	10	Shaft pin		Diameter: 5			
				Length (mm): 26			
-		Kit, coupling guard		<i>y</i> , ,	96509613	1	pcs
7	7.a	Combi Slot Torx screw				4	•
	7	Coupling guard				2	



Pos	Description		no.	Qty.	
	Kit, gaskets	9650	09609	1	po
	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	
	- ····g	Material type: EPDM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		2	
50	O-IIIIg	Material type: EPDM			
00	0 :	Thickness: 2,4			
60	Spring			4	
415	Gasket			2	
441b	Gasket	Internal diameter: 49		2	
		Outer diameter: 92			
		Thickness: 2			
	Kit, plug	9651	11311	1	р
18	Air vent screw			1	
	Spindle				
	Plug				
25a	Drain plug			1	
25 25	Plug			1	
38a	O-ring	Diameter: 5,3		<u>'</u>	
Jua	O-IIIIg	Material type: FKM		'	
00	0 :	Thickness: 2,4			
38a	O-ring	Diameter: 5,3		1	
		Material type: EPDM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		1	
		Material type: FKM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		2	
		Material type: FKM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		1	
		Material type: EPDM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		2	
	- ····g	Material type: EPDM			
		Thickness: 2,4			
	Kit, shaft seal HQQE		11844	1	рс
	Emery cloth	903	. 1044	1	•
	Grinding device			1	
105	Shaft seal	Motorial type: LICOT			
105		Material type: HQQE	1100-	1	
	Kit, wear parts	9657	11925		po
4a	Intermediate chamber cpl.			3	1
	Sand Lifter				
	Guide cup				
	Bearing plate				
	Guide vane				
3	Intermediate chamber				
45	Neck ring cpl.				
47	Bearing bush				
65	Retainer				
	Washer	Designation: DIN 125A		2	
26 ^		Designation. Din 123A			
26.c	Tracino.	Thickness: 1,6			



	Description Needs ring and	Annotation Classification Data Part no. Qty	/. Ui
45	Neck ring cpl.		19
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
N	Motor	85904020 1	рс
	Kit, bearing cpl.	96279803	1
111	Ball bearing	Designation: 6206.2Z.C3.SYN	
153	Angular-contact bearing		
157	O-ring	Diameter: 62	
	3	Material type: NBR	
		Thickness: 3	
158	Waved washer	1110111100010	
	Kit, end shield	96279790	1
156a	End shield	55219190	•
150a 157	O-ring	Diameter: 62	
131	O-Tillig	Material type: NBR	
		Thickness: 3	
150	Moved washer	HIICKHESS. 3	
158	Waved washer		
159a	Seal ring		
	Kit, eyebolt	96279825	1
189	Eyebolt		
	Kit, fan	96279758	1
156	Fan		
159c	Seal ring		
159a	Seal ring		
	Kit, fan cover	96279756	1
151b	Label		
151	Fan cover		
152	Pan head thread forming screw		
	Kit, flange	96279784	1
156b	Flange		
159.c	Seal ring		
186	Drain plug		
100	Kit, retaining ring	96279801	1
187	Retaining ring	30270001	•
188	Retaining ring  Retaining ring		
100	Ketaining ring Kit, shaft seal	96279764	1
1504		90279764	•
159d	Seal ring		
159c	Seal ring	00070700	4
404	Kit, staybolts	96279793	1
181	Pan head staybolt		_
	Kit, terminal board	96279769	1
173a	Base		
173	Pan head thread forming screw	Designation: COMBI TORX T25	
176	Slot cheese head screw	Designation: COMBI TORX T25	
		Length (mm): 10	
		Thread: M5	
176	Terminal		
176	Connecting piece		
176	Wire clamp		
176	Terminal board		
177	Pan head screw		
•••	Kit, terminal box	96279772	1
	Terminal box cover w/gasket	30213112	



<b>Pos</b> 166	Pan head thread forming screw	Annotation Classification Data Part no. Qty	/. U
100	Motor	85901556 1	р
	Kit, bearing cpl.	96279803	
111			
111	Ball bearing	Designation: 6206.2Z.C3.SYN	
153	Angular-contact bearing	Di a co	
157	O-ring	Diameter: 62	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
	Kit, end shield	96279790	1
156a	End shield		
157	O-ring	Diameter: 62	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
159a	Seal ring		
	Kit, eyebolt	96279825	1
189	Eyebolt	00210020	
	Kit, fan	96279758	1
156	Fan	30270700	•
159c	Seal ring		
159a	Seal ring Seal ring		
เมฮส	Kit, fan cover	96279756	1
4546	Label	902/9/30	1
151b			
151	Fan cover		
152	Pan head thread forming screw		
	Kit, flange	96279784	1
156b	Flange		
159.c	Seal ring		
186	Drain plug		
	Kit, retaining ring	96279801	1
187	Retaining ring		
188	Retaining ring		
	Kit, shaft seal	96279764	1
159d	Seal ring		
159c	Seal ring		
	Kit, staybolts	96279793	1
181	Pan head staybolt	002.0.00	•
	Kit, terminal board	96279769	1
173a	Base	00210100	•
173a 173	Pan head thread forming screw	Designation: COMBI TORX T25	
176	Slot cheese head screw	Designation: COMBI TORX 125  Designation: COMBI TORX T25	
170	Siot Greese flead strew		
		Length (mm): 10	
470	Tamainal	Thread: M5	
176	Terminal		
176	Connecting piece		
176	Wire clamp		
176	Terminal board		
177	Pan head screw		
	Kit, terminal box	96279772	1
164	Terminal box cover w/gasket		
166	Pan head thread forming screw		
1	Flange	99104283 1	р
2a	Pump head	98770239 1	р
3	Bulk, Top intermediate chamber (3 pcs)	96538970 1	p
	Ton intermediate chamber	Q8 <u>/</u> 151/0 1	, r
3 4a	Top intermediate chamber  Bulk, Intermediate chamber cpl. (10 pcs)	98415149 1 96538850 3	p p



Pos	Description	Annotation	Classification Data	Part no.		Unit
- 4	Intermediate chamber cpl.			98371071	12	pcs
3	Intermediate chamber			98415145 1		
65	Bulk, Retainer (20 pcs)			983546		1
6	Base			98681110		pcs
7.a	Bulk, Combi Slot Torx screw (1000 pcs)			96886324		pcs
10	Bulk, Shaft pin (10 pcs)		Diameter: 5	96536473	1	pcs
			Length (mm): 26			
+ 18	Bulk, Air vent screw (5 pcs)			96547461		pcs
+ 18	Air vent screw			95061351		pcs
25	Bulk, Plug (10 pcs)			96536013		pcs
25a	Bulk, Drain plug (10 pcs)			96535881		pcs
26a	Strap cpl.			98969439		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			98982849		pcs
32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	4	pcs
			Internal diameter: 17			
			Outer diameter: 30			
			Thickness: 3			
36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480		pcs
37	Bulk, O-ring (20 pcs)			96538857		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			
	D. II. O. : (50)		Thickness: 2,4	00440707	_	
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
			Material type: EPDM			
4.41			Thickness: 2,4	0004.4505		
44b	Inlet part			98814595		pcs
+ 44a	Inlet part cpl.			97973678		pcs
47	Bulk, Bearing ring (10 pcs)			96538795	_	pcs
49	Bulk, Impeller cpl. (10 pcs)			96538796		pcs
49	Impeller cpl.			98394441		pcs
+ 51	Shaft, spline, cpl.			98368619		pcs
55	Outer sleeve			98812655		pcs
60	Bulk, Spring (20 pcs)			96538963		pcs
64c	Bulk, Spacing pipe (5 pcs)		Length (mm): 12.7	97980241		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		pcs
66	Bulk, Wedge lock washer (10 pcs)		T	96536157		pcs
67	Bulk, Lock nut (10 pcs)		Thread: M8	98277008		pcs
69	Bulk, Spacing bush (20 pcs)		Length (mm): 18.00	96538948		pcs
76a	Bulk, Rivet (100 pcs)			96620489		pcs
105	Bulk, Shaft seal (11 pcs)		Material type: HQQE	96538914	1	pcs