

Date: 16/02/2019

Qty. | Description

1 | CR 10-9 A-FJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96500971

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

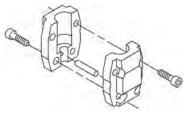
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

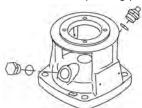
The colour code for the finished product is NCS 9000/RAL 9005.

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.





Date: 16/02/2019

Qty. | Description

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 tapped-hole flange (FT).

Motor-mounting designation in accordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (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



Date: 16/02/2019

Qty. | Description

Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2902 rpm

Rated flow: 10 m³/h
Rated head: 72.3 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: FT130

Electrical data:

Motor standard: IEC
Motor type: 100LC
IE Efficiency class: IE3
Rated power - P2: 3 kW
Power (P2) required by pump: 3 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 220-240D/380-415Y V

Rated current: 11.0/6.30 A
Starting current: 840-920 %
Cos phi - power factor: 0.87-0.82
Rated speed: 2900-2920 rpm
Efficiency: IE3 87,1%
Motor efficiency at full load: 87.1 %
Motor efficiency at 3/4 load: 88.0 %
Motor efficiency at 1/2 load: 87.7 %

Motor efficiency at 1/2 load: 87.7 % Number of poles: 2

Enclosure class (IEC 34-5): 55 Dust/Jetting

Insulation class (IEC 85): F

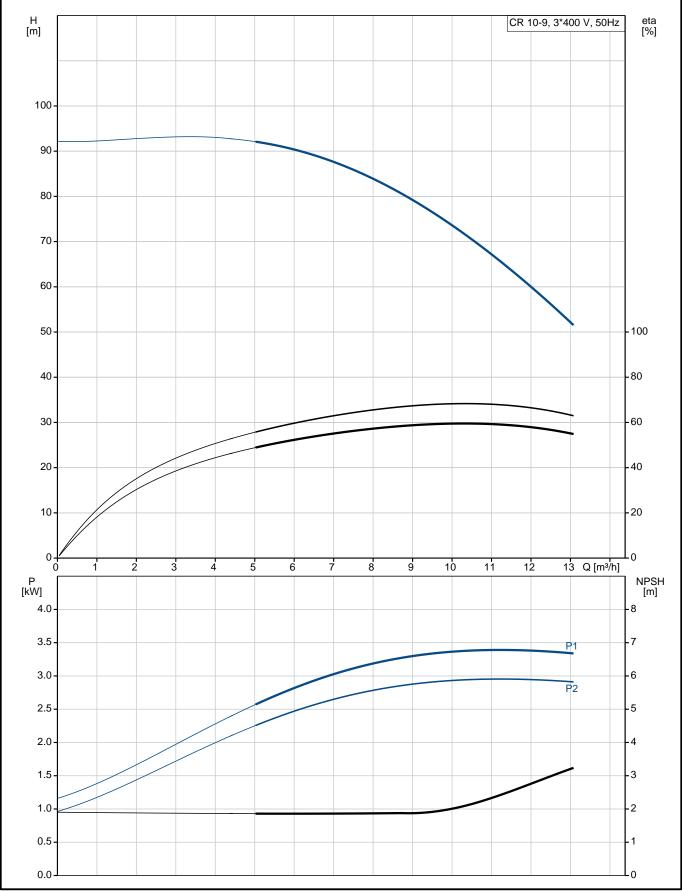
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 61 kg
Gross weight: 65 kg
Shipping volume: 0.13 m³



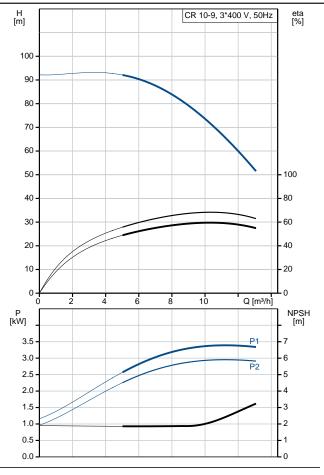
Date: 16/02/2019

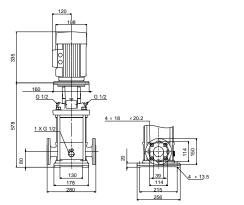
96500971 CR 10-9 A-FJ-A-E-HQQE 50 Hz

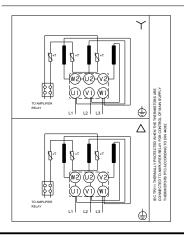




Description	Value
General information:	
Product name:	CR 10-9 A-FJ-A-E-HQQE
Product No:	96500971
EAN number:	
Technical:	5700396212777
Pump speed on which pump data are	
based:	2902 rpm
Rated flow:	10 m³/h
Rated head:	72.3 m
Head max:	91.8 m
Stages:	9
Impellers:	9
Number of reduced-diameter impellers:	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:	Α
Model:	Α
Materials:	
Base:	Cast iron
	EN 1561 EN-GJL-200
	ASTM A48-25B
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Code for rubber:	F
	_
Bearing:	SIC
Bearing: Installation:	SIC
Bearing: Installation: Maximum ambient temperature:	SIC 60 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	SIC 60 °C 16 bar
Bearing: Installation: Maximum ambient temperature:	SIC 60 °C 16 bar 16 bar / 120 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange rating inlet:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange rating inlet: Flange size for motor: Connect code:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange rating inlet: Flange size for motor: Connect code: Liquid:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C 998.2 kg/m³
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C 998.2 kg/m³ IEC
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C 998.2 kg/m³ IEC 100LC
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C 998.2 kg/m³ IEC 100LC IE3
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C 998.2 kg/m³ IEC 100LC IE3 3 kW
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: 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:	SIC 60 °C 16 bar 16 bar / 120 °C 16 bar / -20 °C DIN / JIS DN 40 1 1/2 inch DN 40 PN 25 300 lb FT130 FJ Water -20 120 °C 20 °C 998.2 kg/m³ IEC 100LC IE3 3 kW 3 kW







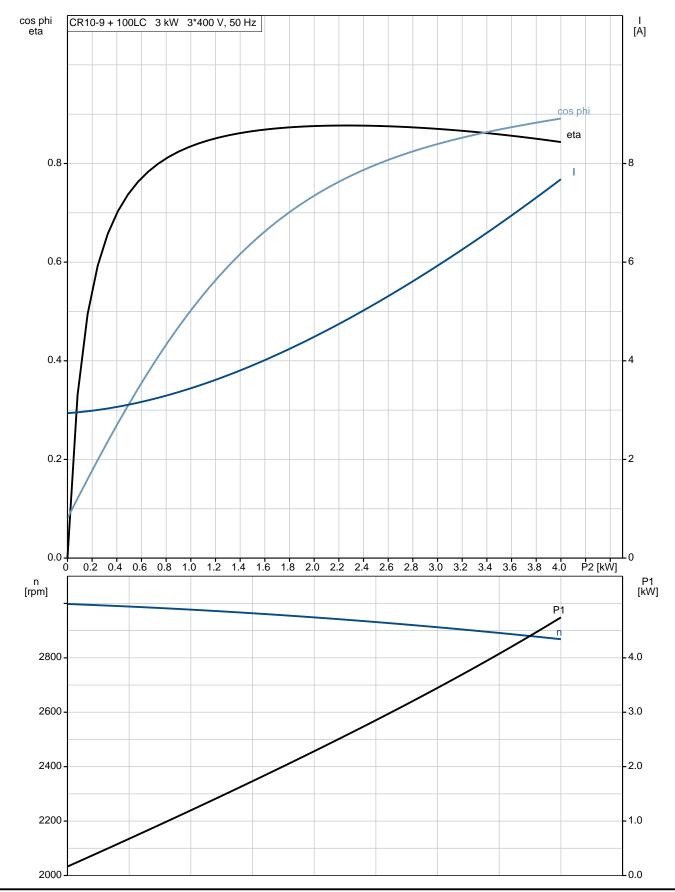


Description	Value
Rated current:	11.0/6.30 A
Starting current:	840-920 %
Cos phi - power factor:	0.87-0.82
Rated speed:	2900-2920 rpm
Efficiency:	IE3 87,1%
Motor efficiency at full load:	87.1 %
Motor efficiency at 3/4 load:	88.0 %
Motor efficiency at 1/2 load:	87.7 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U05510
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	61 kg
Gross weight:	65 kg
Shipping volume:	0.13 m ³



Date: 16/02/2019

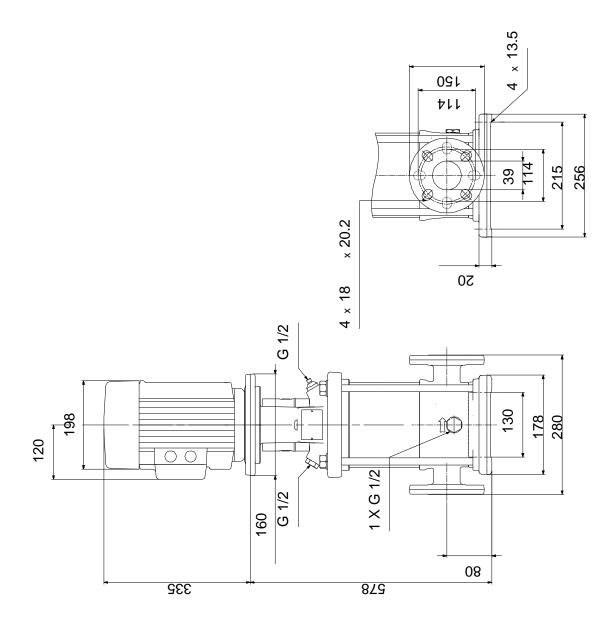
96500971 CR 10-9 A-FJ-A-E-HQQE 50 Hz





Date: 16/02/2019

96500971 CR 10-9 A-FJ-A-E-HQQE 50 Hz



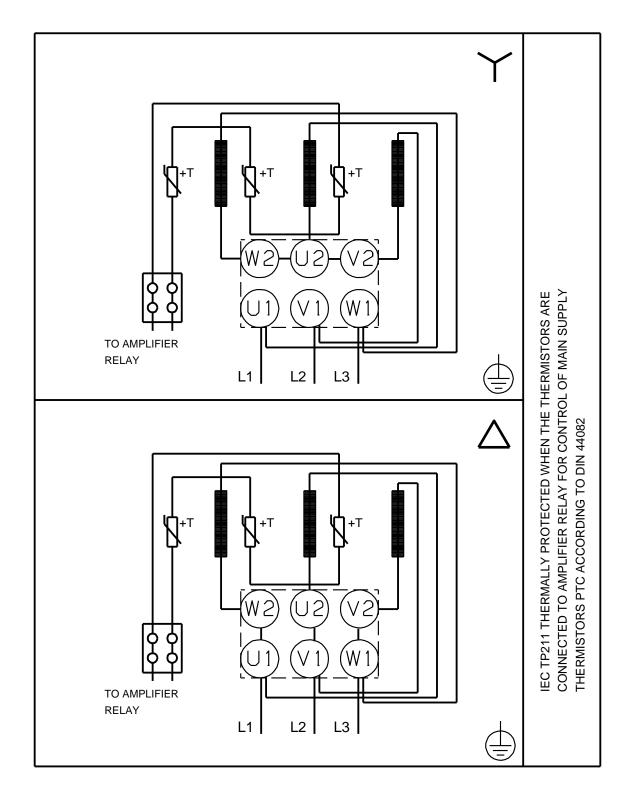
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

16/02/2019

96500971 CR 10-9 A-FJ-A-E-HQQE 50 Hz



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

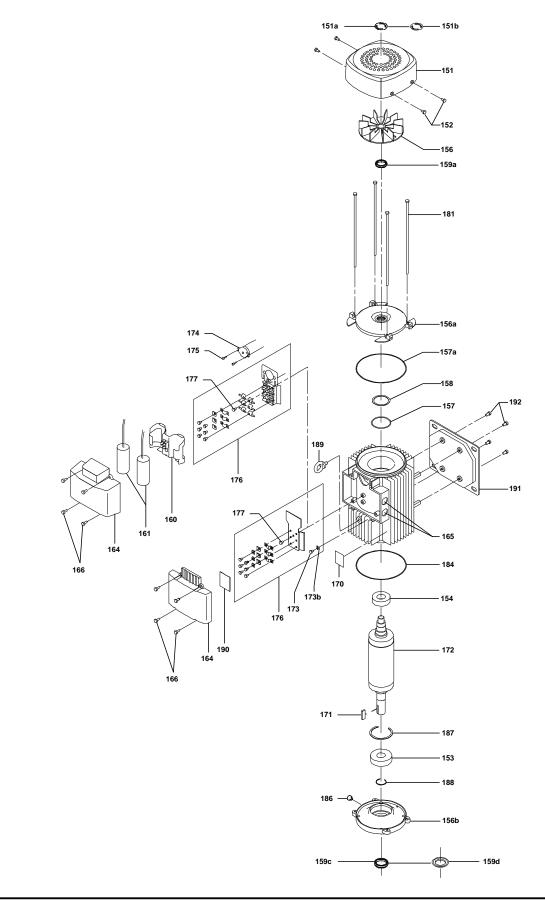


Date: 16/02/2019 (tm069460 for MECR 10 standard) 62 -28a --65 45 26c 26b



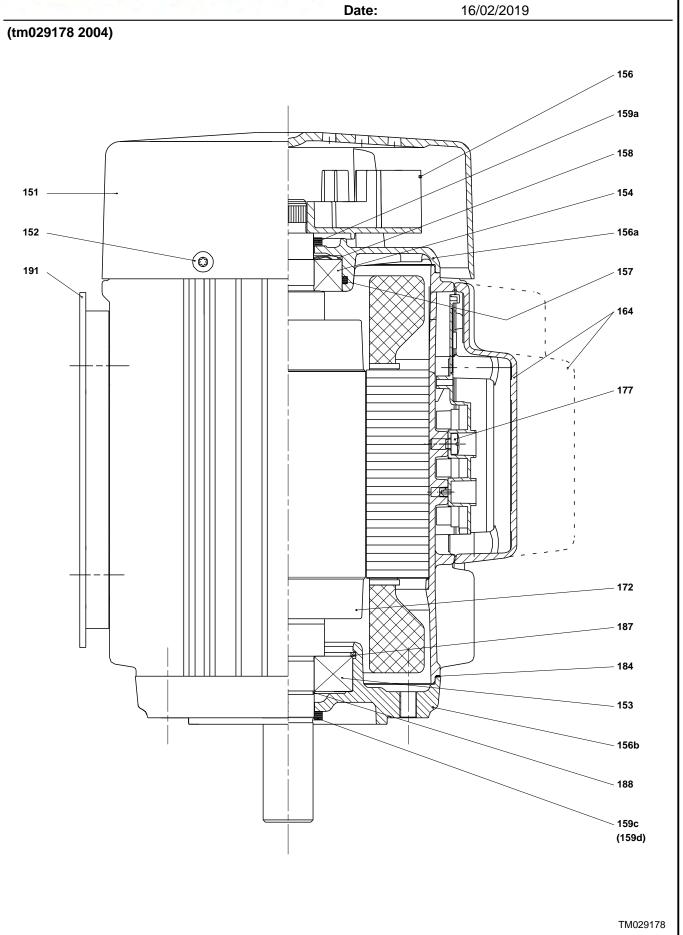
Date: 16/02/2019

(tm029184 0505)



TM029184







Date: 16/02/2019

Spare parts CR 10-9, Product No. 96500971 Valid from 1.1.2011 (1152)

	Pos	Description	Annotation	Classification Data	Part no.		Unit
-		Kit, chamber stack			96508411	1	pcs
-	80	Chamber stack		Bearing type: SIC			1
-	3	Top intermediate chamber					
		Spare, turbulence optimizer KP					
		Guide vane					
-	4a	Intermediate chamber cpl.					
		Guide cup					
		Bearing plate					
		Guide vane					
	3	Intermediate chamber					
	45	Neck ring cpl.					
	47	Bearing bush					
	65	Retainer					
-	4	Intermediate chamber cpl.					
		Guide cup					
		Guide vane					
	3	Intermediate chamber					
	45	Neck ring cpl.					
	65	Retainer					
	26a	Strap cpl.					
	26.c	Washer		Designation: DIN 125A			
				Thickness: 1,6			
	26.b	Hex head screw					
	44b	Inlet part					
-	44a	Inlet part cpl.					
	1-14	Guide cup					
		Inlet part					
	45	Neck ring cpl.					
	65	Retainer					
	47	Bearing ring					
	49	Impeller cpl.					
	51	Shaft, spline, cpl.					
-	51	Bar					
	00						
	62	Stop ring		Langeth (mans), 40.7			
	64c	Spacing pipe		Length (mm): 12.7			
	64a	Spacing bush		Length (mm): 9.00			
	64.d	Spacer		L			
	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			96511350		pcs
		Adjusting fork					1
	9	Hex socket head cap screw		Designation: DIN 912		4	4
				Length (mm): 25			
				Thread: M8			
	10a	Coupling half				2	2
	10	Shaft pin		Diameter: 5			1
				Length (mm): 26			
-		Kit, coupling guard			96509612	1	pcs
	7.a	Combi Slot Torx screw				4	4
	7	Coupling guard					2
-		Kit, gaskets			96509609		pcs



Pos	Description	Annotation Classification Data Par	t no.	Qty.	
0.4	Gasket			2	
24	O-ring			2	
37	O-ring	Di		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			
60	Spring			4	
415	Gasket			2	
441b	Gasket	Internal diameter: 49		2	
		Outer diameter: 92			
		Thickness: 2			
	Kit, plug	965	11311	1	рс
18	Air vent screw			1	
	Spindle				
	Plug				
25a	Drain plug			1	
25	Plug			1	
23 38a	O-ring	Diameter: 5,3		1	
oou	S mig	Material type: FKM			
		Thickness: 2,4			
38a	O-ring	Diameter: 5,3		1	
30a	O-ning	Material type: EPDM		- '	
		Thickness: 2,4			
20	O vin a				
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	
		Material type: EPDM			
		Thickness: 2,4			
	Kit, shaft seal HQQE	965	11844	1	рс
	Emery cloth			1	
	Grinding device			1	
105	Shaft seal	Material type: HQQE		1	
	Kit, wear parts		11922	1	рс
4a	Intermediate chamber cpl.	,,		2	
	Sand Lifter				
	Guide cup				
	Bearing plate				
	Guide vane				
3	Intermediate chamber				
3 45					
	Neck ring cpl.				
47	Bearing bush				
65	Retainer	D 1 (1 DN 107)			
26.c	Washer	Designation: DIN 125A		2	
		Thickness: 1,6			
26.b	Hex head screw			2	
45	Neck ring cpl.			1	2



Pos	Description	Annotation Classification Data Part no. Qt	y. Ur
47	Bearing ring		2
62	Retaining ring		1
64c	Spacing pipe	Length (mm): 12.7	1
64a	Spacing bush	Length (mm): 9.00	2
64.d	Spacer	<u> </u>	2
65	Retainer		12
66	Wedge lock washer		1
67	Lock nut	Thread: M8	1
07			
	Motor	85903730 1	po
	Kit, Ball bearing	96279795	1
99a	Retaining ring		
99	Retaining ring		
111	Ball bearing		
111	Ball bearing		
157	O-ring	Diameter: 52	
	- ····g	Material type: NBR	
		Thickness: 3	
450	Marrad washan	THICKHIESS. 3	
158	Waved washer	222=2224	
	Kit, end shield	96279831	1
156a	End shield		
157	O-ring	Diameter: 52	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
159a	Seal ring		
1000	Kit, fan	96279757	1
450	Fan	30213131	'
156			
159a	Seal ring		
	Kit, fan cover	96279826	1
151b	Label		
151	Fan cover		
152	Pan head thread forming screw		
	Kit, flange	96279828	1
156b	Flange		
156.c	Drain plug		
159.c	Seal ring		
159.0		00070700	
	Kit, retaining ring	96279799	1
99	Retaining ring		
188	Retaining ring		
	Kit, shaft seal	96279762	1
159c	Seal ring		
159a	Seal ring		
	Kit, staybolts	96279832	1
181	Pan head staybolt	00210002	•
101	Kit, terminal board	96279769	1
170-	•	90279709	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		
	Terminal board		
176			
177	Pan head screw		,
	Kit, terminal box	96279771	1
164	Terminal box cover w/gasket		
166	Pan head thread forming screw		
2a	Pump head	98785091 1	р



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
+ 3	Bulk, Top intermediate chamber (3 pcs)			96538970	1	pcs
+ 3	Top intermediate chamber			98415149	1	pcs
+ 4a	Bulk, Intermediate chamber cpl. (10 pcs)			96538850	2	pcs
+ 4a	Intermediate chamber cpl.			98371073	2	pcs
- 4	Intermediate chamber cpl.			98371071	6	pcs
3	Intermediate chamber			984151	45 1	
65	Bulk, Retainer (20 pcs)			983546	375 1	
6	Base			98681110	1	pcs
7.a	Bulk, Combi Slot Torx screw (1000 pcs)			96886324	4	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
+ 18	Air vent screw			95061351	1	pcs
25	Bulk, Plug (10 pcs)			96536013	1	pcs
25a	Bulk, Drain plug (10 pcs)			96535881	1	pcs
26a	Strap cpl.			98984430		pcs
26.c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704		pcs
	, (. 600)		Thickness: 1,6	33232,04	_	p 30
26.c	Washer		Designation: DIN 125A	96586880	2	pcs
20.0			Thickness: 1,6	2000000	_	P-00
26	Staybolt			98450265	4	pcs
28	Bulk, Hex head screw (4 pcs)		Length (mm): 25	99335941		pcs
20	Built, Flex flead screw (4 pes)		Thread: M8	33333341		pos
32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	4	pcs
32	Buik, Washer (100 pes)		Internal diameter: 17	30323031		pos
			Outer diameter: 30			
			Thickness: 3			
36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480	1	pcs
37	Bulk, O-ring (20 pcs)		Tillead. WTO	96538857		pcs
38a	Bulk, O-ring (20 pcs)		Diameter: 5,3	99198791		pcs
30a	Buik, O-fing (10 pcs)		Material type: EPDM	99190791	'	pcs
			Thickness: 2,4			
38	Bulk, O-ring (10 pcs)		Diameter: 16.3	99198815	2	ncc
30	Buik, O-filig (10 pcs)		Material type: EPDM	99190013		pcs
			Thickness: 2.4			
38	Pulk O ring (50 poo)		Diameter: 16,3	99412727	2	200
36	Bulk, O-ring (50 pcs)		Material type: EPDM	99412727	2	pcs
			* *			
11h	Inlat nort		Thickness: 2,4	00014505	1	200
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.			98368613		pcs
55	Outer sleeve			98450263		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)			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