

Date: 16/02/2019

Qty. | Description

1 | CR 10-5 A-FJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96500967

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

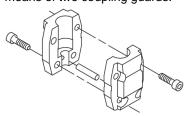
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

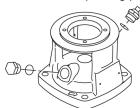
The colour code for the finished product is NCS 9000/RAL 9005.

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 does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1).

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
Density: 998.2 kg/m³



Date: 16/02/2019

Qty. | Description

Technical:

Pump speed on which pump data are based: 2899 rpm

Rated flow: 10 m³/h
Rated head: 40.7 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: FT115

Electrical data:

Motor standard: IEC
Motor type: 90LC
IE Efficiency class: IE3
Rated power - P2: 2.2 kW
Power (P2) required by pump: 2.2 kW
Mains frequency: 50 Hz

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

Rated current: 7.70/4.45 A Starting current: 850-950 % Cos phi - power factor: 0.89-0.87 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 85.9 % Motor efficiency at 3/4 load: 86.8 % Motor efficiency at 1/2 load: 86.0 % Number of poles:

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

Insulation class (IEC 85): F

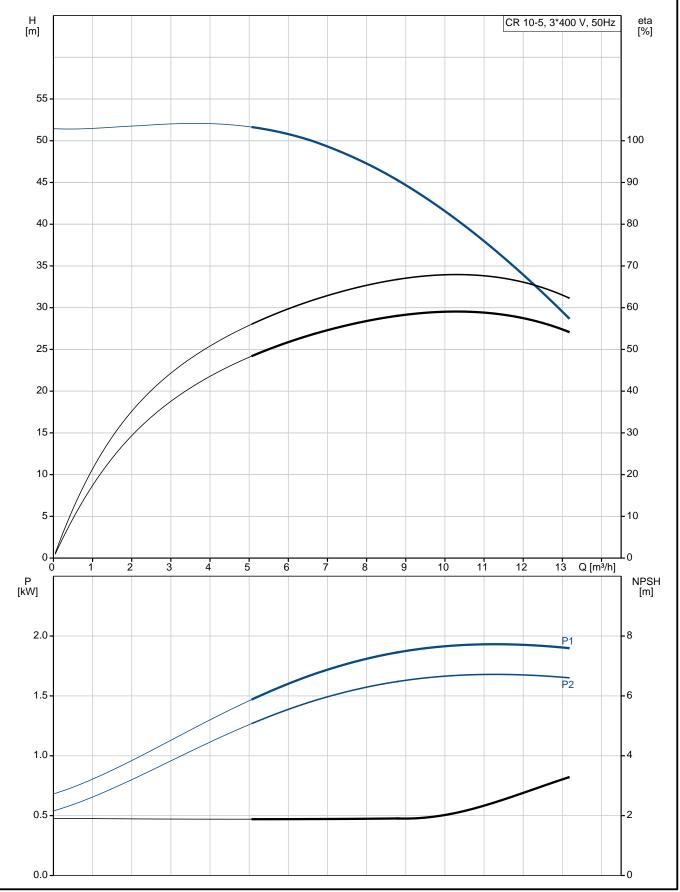
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 53 kg
Gross weight: 56 kg
Shipping volume: 0.104 m³



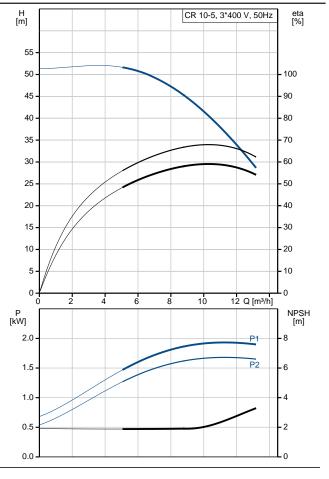
Date: 16/02/2019

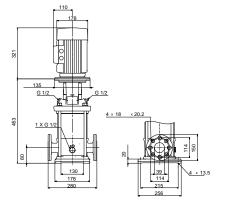
96500967 CR 10-5 A-FJ-A-E-HQQE 50 Hz

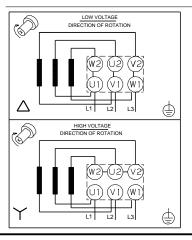




Description	Value
General information:	
Product name:	CR 10-5 A-FJ-A-E-HQQE
Product No:	96500967
EAN number:	5700396212692
Technical:	
Pump speed on which pump data are based:	2899 rpm
Rated flow:	10 m³/h
Rated head:	40.7 m
Head max:	51.1 m
Stages:	5
Impellers:	5
Number of reduced-diameter impellers:	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:	A
	Coot inon
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:	E
Bearing:	SIC
Installation:	00.00
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:	FT115
Connect code:	FJ
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor standard:	IEC
Motor type:	90LC
IE Efficiency class:	IE3
Rated power - P2:	2.2 kW
Power (P2) required by pump:	2.2 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V







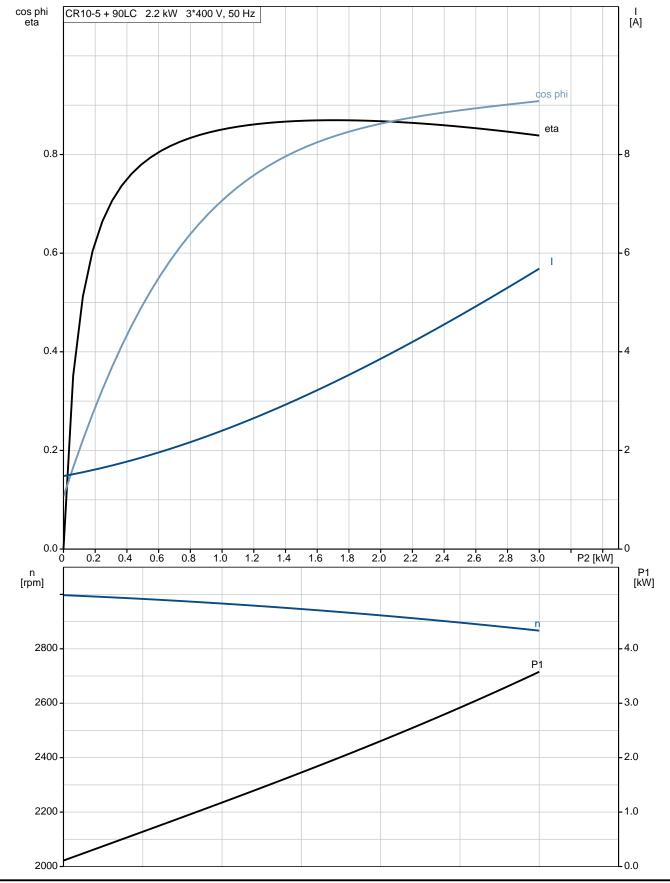


Description	Value
Rated current:	7.70/4.45 A
Starting current:	850-950 %
Cos phi - power factor:	0.89-0.87
Rated speed:	2890-2910 rpm
Efficiency:	IE3 85,9%
Motor efficiency at full load:	85.9 %
Motor efficiency at 3/4 load:	86.8 %
Motor efficiency at 1/2 load:	86.0 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85U05908
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	53 kg
Gross weight:	56 kg
Shipping volume:	0.104 m³



Date: 16/02/2019

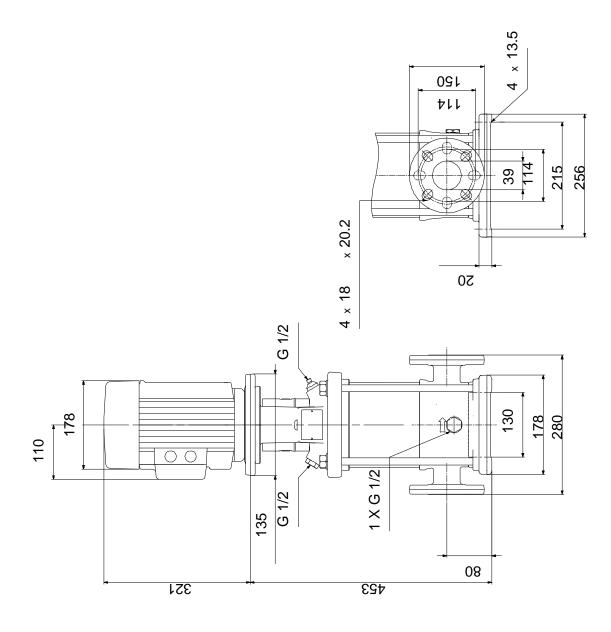
96500967 CR 10-5 A-FJ-A-E-HQQE 50 Hz





Date: 16/02/2019

96500967 CR 10-5 A-FJ-A-E-HQQE 50 Hz



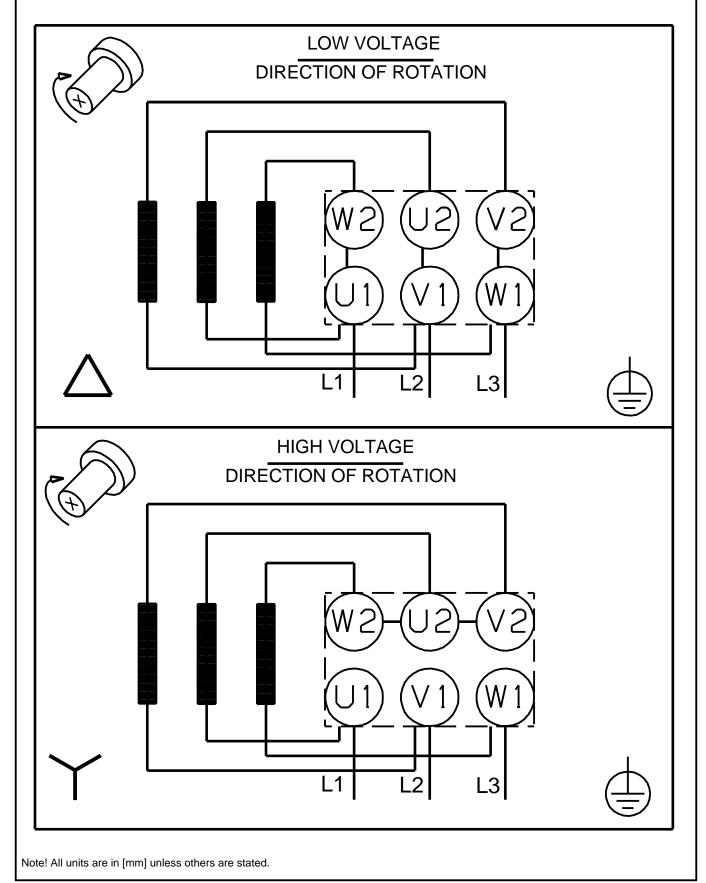
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

16/02/2019

96500967 CR 10-5 A-FJ-A-E-HQQE 50 Hz



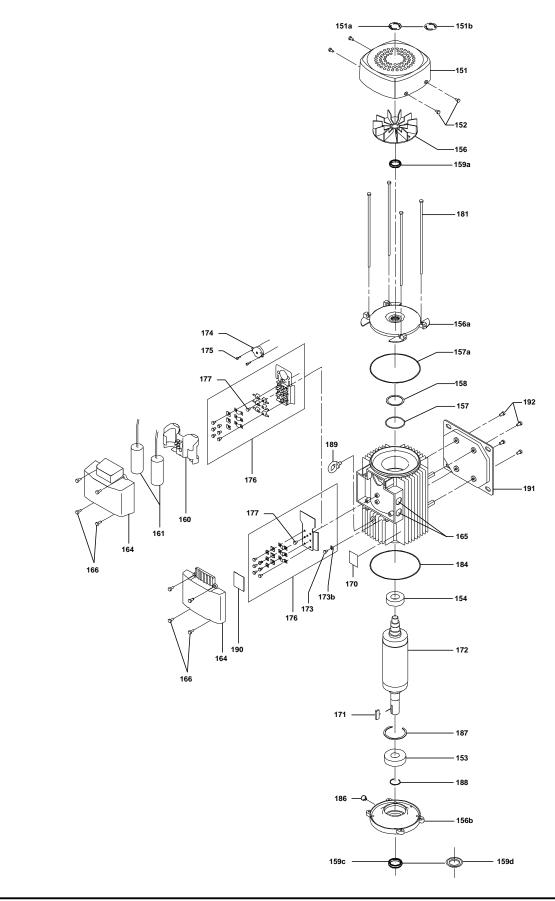


Date: 16/02/2019 (tm069460 for MECR 10 standard) 62 -28a --65 45 25 26c 26b



Date: 16/02/2019

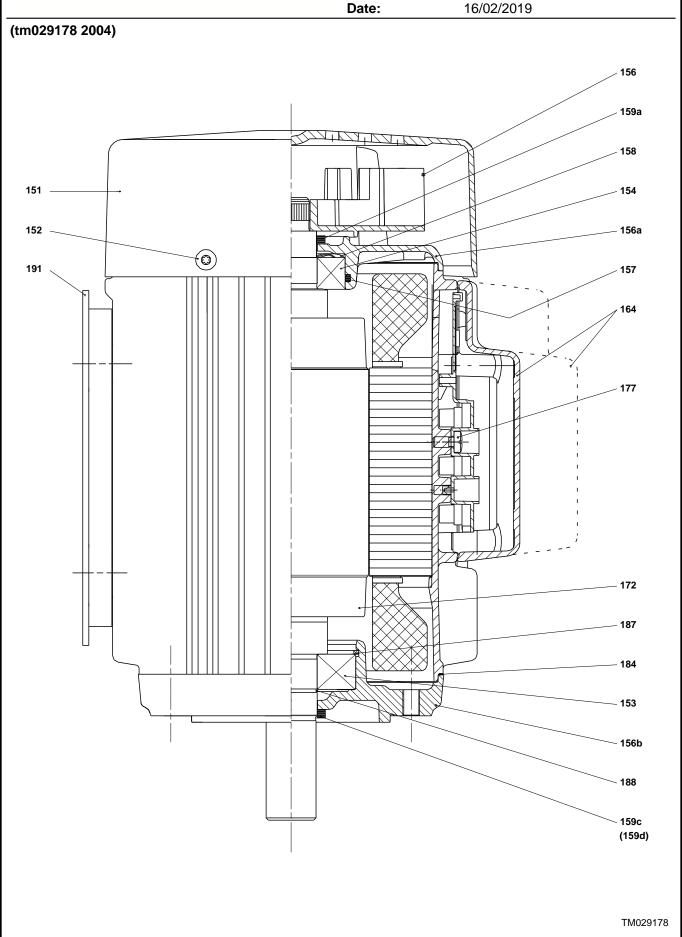
(tm029184 0505)



TM029184



Date:





Date: 16/02/2019

Spare parts CR 10-5, Product No. 96500967 Valid from 1.1.2011 (1152)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
	Kit, chamber stack			96508407	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.					
774	Guide cup					
	Inlet part					
45	Neck ring cpl.					
65	Retainer					
47	Bearing ring					
49	Impeller cpl.					
51	Shaft, spline, cpl.					
31						
00	Bar					
62	Stop ring		L = 0.04b (-0.00): 40.7			
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			96511319		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	1	pcs



24	Gasket O-ring O-ring O-ring O-ring O-ring O-ring Spring Gasket Gasket Flug Air vent screw Spindle Plug Drain plug Plug O-ring O-ring O-ring	Diameter: 5,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 2 2 1 1 2 2 2 2 1
37 (38a (38a (38a (38a (38a (38a (38a (38a	O-ring O-ring O-ring O-ring O-ring Spring Gasket Gasket Plug Air vent screw Spindle Plug Drain plug Plug O-ring	Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 1 1 2 4 2 2 1
38a (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4) 388 (4)	O-ring O-ring O-ring Spring Gasket Gasket Plug Air vent screw Spindle Plug Drain plug Plug O-ring	Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	1 1 2 4 2 2 1 1 1 1 1 1 1
38 (60 (5) 441b (7) 441b (7) 441b (7) 481 (7)	O-ring O-ring Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug Plug O-ring	Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	1 2 4 2 2 1 1 1 1 1 1
38 (415 (416 (416 (416 (416 (416 (416 (416 (416	O-ring Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 Thickness: 2 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 4 2 2 1
38 (415 (416 (416 (416 (416 (416 (416 (416 (416	O-ring Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Diameter: 16,3 Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 4 2 2 1
38 (415 (416 (416 (416 (416 (416 (416 (416 (416	O-ring Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Material type: EPDM Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 4 2 2 1
60 : 4115	Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Thickness: 2,4 Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	4 2 2 1
60 : 4115	Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Diameter: 16,3 Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	4 2 2 1
60 : 4115	Spring Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Material type: EPDM Thickness: 2,4 Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	4 2 2 1
Kit, J	Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 2 2 1 1 1 1 1
Kit, J	Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Internal diameter: 49 Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 2 2 1 1 1 1 1
Kit, J	Gasket Gasket plug Air vent screw Spindle Plug Drain plug Plug O-ring	Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 2 2 1 1 1 1 1
Kit, J	plug Air vent screw Spindle Plug Drain plug Plug O-ring	Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	2 po 1 1 1 1 1
Kit, J	plug Air vent screw Spindle Plug Drain plug Plug O-ring	Outer diameter: 92 Thickness: 2 965113 Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	po 1 1 1 1 1
25a 25 25 38a 4 38 4 4 38 4	Air vent screw Spindle Plug Drain plug Plug O-ring	Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	1 1 1
25a 25 25 38a 4 38 4 4 38 4	Air vent screw Spindle Plug Drain plug Plug O-ring	Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	1 1 1
25a 25 25 38a 4 38 4 4 38 4	Air vent screw Spindle Plug Drain plug Plug O-ring	Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3	11 1	1 1 1
25a 25 25 38a 4 38 4 4 38 4	Air vent screw Spindle Plug Drain plug Plug O-ring	Diameter: 5,3 Material type: FKM Thickness: 2,4 Diameter: 5,3		1 1 1
25a 25 38a 6 38a 6 38 6 38 6 38 6 38 6 38 6 38 6 6 6 6 6 6 6 6 6	Spindle Plug Drain plug Plug O-ring	Material type: FKM Thickness: 2,4 Diameter: 5,3		1
25 38a 38a 38 38 38 4 4 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Plug Drain plug Plug O-ring	Material type: FKM Thickness: 2,4 Diameter: 5,3		1
25 38a 38a 38 38 38 4 4 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Drain plug Plug O-ring	Material type: FKM Thickness: 2,4 Diameter: 5,3		1
25 38a 38a 38 38 38 4 4 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Plug O-ring	Material type: FKM Thickness: 2,4 Diameter: 5,3		1
38a (4) 388 (4) 388 (4) 388 (4) 388 (4)	O-ring	Material type: FKM Thickness: 2,4 Diameter: 5,3		
38a (4)38 (4)38 (4)38 (5)38 (5)38 (6	-	Material type: FKM Thickness: 2,4 Diameter: 5,3		
38 (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	O-ring	Thickness: 2,4 Diameter: 5,3		
38 (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	O-ring	Diameter: 5,3		
38 (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	O-filing			1
38 (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6		Motorial type: EDDM		- 1
38 (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6		Material type: EPDM Thickness: 2,4		
38 (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	O win w			
38 (Kit, s	O-ring	Diameter: 16,3		1
38 (Kit, s		Material type: FKM		
38 (Kit, s		Thickness: 2,4		
88 (Kit, s	O-ring	Diameter: 16,3		2
88 (Kit, s		Material type: FKM		
88 (Kit, s		Thickness: 2,4		
Kit, s	O-ring	Diameter: 16,3		1
Kit, s		Material type: EPDM		
Kit, s		Thickness: 2,4		
	O-ring	Diameter: 16,3		2
		Material type: EPDM		
		Thickness: 2,4		
	shaft seal HQQE	965118	44 1	р
	Emery cloth			1
	Grinding device			1
	Shaft seal	Material type: HQQE		1
	wear parts	965118	89 1	р
	Intermediate chamber cpl.			1
	Sand Lifter			
	Guide cup			
	Bearing plate			
	Guide vane			
3				
, 15	Intermediate champer			
	Intermediate chamber			
47 Se	Neck ring cpl.			
65 06 o V	Neck ring cpl. Bearing bush			
26.c	Neck ring cpl. Bearing bush Retainer	Dealers of the DIN 405A		2
20.1	Neck ring cpl. Bearing bush	Designation: DIN 125A		
26.b 15	Neck ring cpl. Bearing bush Retainer	Designation: DIN 125A Thickness: 1,6		2



Pos	Description	Annotation Classification Data Part no. Qty	/. Uni
47	Bearing ring		1
62	Retaining ring		1
64c	Spacing pipe	Length (mm): 12.7	1
64a	Spacing bush	Length (mm): 9.00	1
64.d	Spacer		1
65	Retainer		7
66	Wedge lock washer		1
67	Lock nut	Thread: M8	1
	Motor	85903722 1	pcs
	Kit, bearing cpl.	96279794	1
111	Ball bearing		
111	Ball bearing		
157	O-ring	Diameter: 52	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
187	Retaining ring		
188	Retaining ring		
	Kit, end shield	96279789	1
156a	End shield		
157a	Gasket	Internal diameter: 141,2	
		Outer diameter: 145,5	
		Thickness: 0,2	
157	O-ring	Diameter: 52	
	3g	Material type: NBR	
		Thickness: 3	
158	Waved washer	THIOMICOO. O	
159a	Seal ring		
1004	Kit, fan	96279757	1
156	Fan	30213131	'
159a	Seal ring		
159a	Kit, fan cover	96279755	1
151	Fan cover	90279733	ı
152	Pan head thread forming screw	96279777	1
150h	Kit, flange	96279777	1
156b	Flange		
159.c	Seal ring		
184	Gasket	Internal diameter: 141,2	
		Outer diameter: 145,5	
		Thickness: 0,2	
186	Drain plug		
	Kit, retaining ring	96279798	1
187	Retaining ring		
188	Retaining ring		
	Kit, shaft seal	96279761	1
159c	Seal ring		
159a	Seal ring		
	Kit, staybolts	96279792	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		



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
177	Pan head screw					
-	Kit, terminal box			962797	771 1	1
164	Terminal box cover w/gasket					
166	Pan head thread forming screw					
2a	Pump head			98852386	1	pcs
+ 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	1	pcs
+ 4a	Intermediate chamber cpl.			98371073	1	pcs
- 4	Intermediate chamber cpl.			98371071	3	pcs
3	Intermediate chamber			984151	145 1	ĺ
65	Bulk, Retainer (20 pcs)			983546	375 1	Í
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
	_ a, e (p.s.)		Length (mm): 26			
+ 18	Bulk, Air vent screw (5 pcs)			96547461	1	pcs
+ 18	Air vent screw			95061351		pcs
25	Bulk, Plug (10 pcs)			96536013		pcs
25 25a	Bulk, Drain plug (10 pcs)			96535881		pcs
25a 26a	Strap cpl.			98984428		pcs
26.c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704		
26.0	buik, Wasilei (4 pcs)		Thickness: 1,6	99202104		pcs
26.0	Weeher			06506000	2	200
26.c	Washer		Designation: DIN 125A	96586880		pcs
00	Otes helt		Thickness: 1,6	00000044		
26	Staybolt		Designation DIN 405 A	98982841		pcs
32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	4	pcs
			Internal diameter: 17			
			Outer diameter: 30			
	D. II. 11		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			
			Thickness: 2,4			
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
			Material type: EPDM			
			Thickness: 2,4			
44b	Inlet part			98814595		pcs
+ 44a	Inlet part cpl.			97973678		pcs
47	Bulk, Bearing ring (10 pcs)			96538795	1	pcs
49	Bulk, Impeller cpl. (10 pcs)			96538796	5	pcs
49	Impeller cpl.			98394441	5	pcs
+ 51	Shaft, spline, cpl.			98368608	1	pcs
55	Outer sleeve			98812622	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	1	pcs
64.d	Bulk, Spacer (20 pcs)		<u> </u>	97516851		pcs
64	Bulk, Spacing pipe (20 pcs)		Length (mm): 29.05	96535101		pcs
66	Bulk, Wedge lock washer (10 pcs)		J ()	96536157		pcs
67	Bulk, Lock nut (10 pcs)		Thread: M8		1	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		pcs
100	Baix, Oriait Scar (11 pcs)		Material type. HQQL			Pus