

**Date:** 18/02/2019

Qty. | Description

1 | CR 90-1 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96124075

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 DIN flanges.

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

#### Further product details

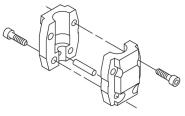
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

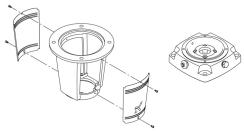
A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor stool by means of two coupling guards.



The motor stool connects the pump head and motor. 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 retained in the pump head by a cover and screws. It can be replaced without removing the motor.

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. Both the inlet and the outlet side of the base have two pressure gauge tappings. The pump is secured to the foundation by four bolts through the base plate. The flanges are fastened to the base by means of locking rings.



#### **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.



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**Technical data** 

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water
Liquid temperature range: -30 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2919 rpm

Rated flow: 90 m³/h
Rated head: 20.2 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 1563 EN-GJS-500-7 ASTM A536 80-55-06

Impeller: Stainless steel

EN 1.4301 AISI 304 SIC

Bearing: SIC Support bearing: Graflon

Installation:

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

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

16 bar / -30 °C

Type of connection: DIN
Size of inlet connection: DN 100
Size of outlet connection: DN 100
Pressure rating for pipe connection: PN 16
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

Rated voltage: 3 x 380-415D/660-690Y V Rated current: 14,4-14,0/8,30-8,10 A

2

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:



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

Insulation class (IEC 85):

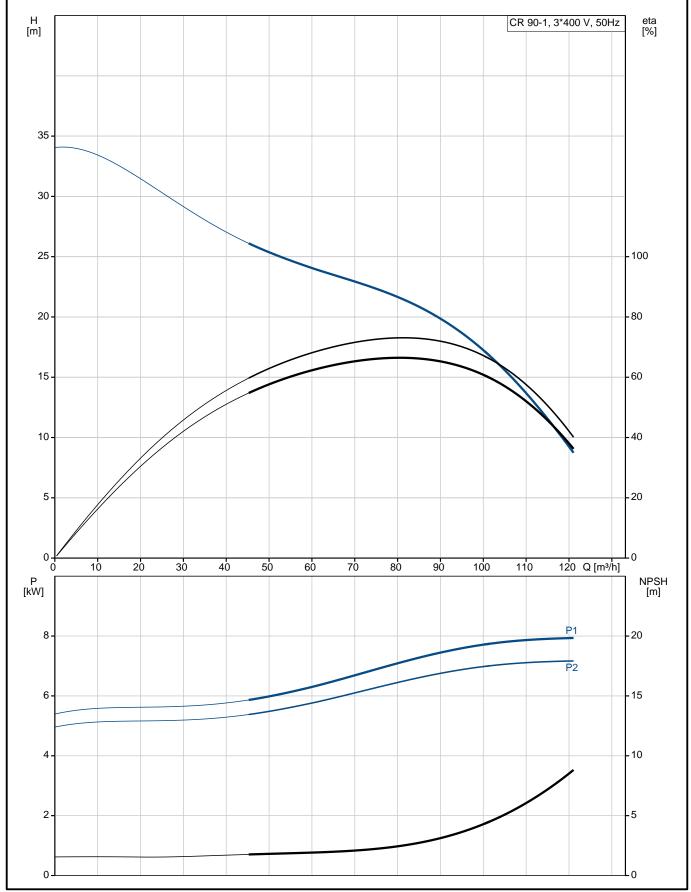
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 117 kg
Gross weight: 140 kg
Shipping volume: 0.309 m³
Danish VVS No.: 385909010



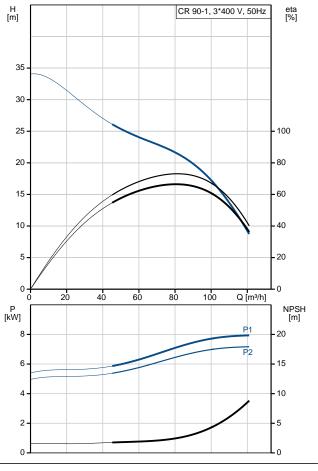
**Date:** 18/02/2019

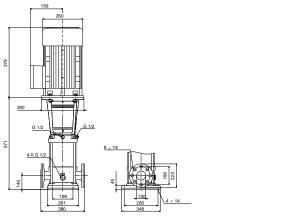
### 96124075 CR 90-1 A-F-A-E-HQQE 50 Hz

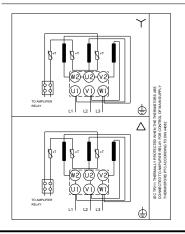




Description	Value
General information:	
	CR 90-1
Product name:	A-F-A-E-HQQE
Product No:	96124075
EAN number:	5700396703794
Technical:	
Pump speed on which pump data are	2010
based:	2919 rpm
Rated flow:	90 m³/h
Rated head:	20.2 m
Head max:	35.5 m
Stages:	1
Impellers:	1
Number of reduced-diameter impellers:	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:	В
Materials:	
Base:	Cast iron
	EN 1563 EN-GJS-500-7
	ASTM A536 80-55-06
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	Α
Code for rubber:	Е
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Maximum ambient temperature:	60 °C
Maximum ambient temperature:  Maximum operating pressure:	60 °C 16 bar
•	
Maximum operating pressure:	16 bar
Maximum operating pressure:	16 bar 16 bar / 120 °C
Maximum operating pressure: Max pressure at stated temp:	16 bar 16 bar / 120 °C 16 bar / -30 °C
Maximum operating pressure: Max pressure at stated temp:  Type of connection:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN
Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100
Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100
Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16
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 size for motor:	16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265
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 size for motor: Connect code:	16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265
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 size for motor: Connect code: Liquid: Pumped liquid:	16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F
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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F
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 size for motor: Connect code: Liquid: Pumped liquid:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F Water -30 120 °C 20 °C
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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation:	16 bar   16 bar / 120 °C   16 bar / -30 °C   DIN   DN 100   DN 100   PN 16   FF265   F   Water   -30 120 °C
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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F Water -30 120 °C 20 °C
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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F  Water -30 120 °C 20 °C 998.2 kg/m³
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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC 132SB
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 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:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC 132SB IE3
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 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:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC 132SB IE3 7.5 kW
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 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:	16 bar   16 bar / 120 °C   16 bar / -30 °C   DIN   DN 100   DN 100   PN 16   FF265   F   Water   -30 120 °C   20 °C   998.2 kg/m³   IEC   132SB   IE3   7.5 kW   7.5 kW
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 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: Mains frequency:	16 bar 16 bar / 120 °C 16 bar / -30 °C DIN DN 100 DN 100 PN 16 FF265 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC 132SB IE3 7.5 kW 7.5 kW 50 Hz
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 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:	16 bar   16 bar / 120 °C   16 bar / -30 °C   DIN   DN 100   DN 100   PN 16   FF265   F   Water   -30 120 °C   20 °C   998.2 kg/m³   IEC   132SB   IE3   7.5 kW   7.5 kW







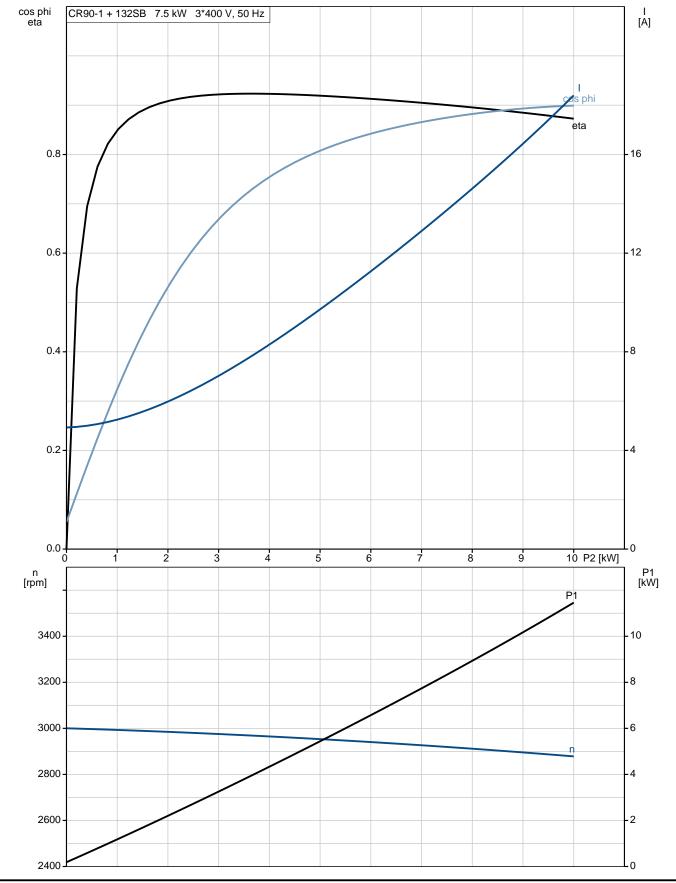


Description	Value
Rated current:	14,4-14,0/8,30-8,10 A
Starting current:	780-910 %
Cos phi - power factor:	0.88-0.82
Rated speed:	2910-2920 rpm
Efficiency:	IE3 90,1%
Motor efficiency at full load:	90.1-90.4 %
Motor efficiency at 3/4 load:	90.8 %
Motor efficiency at 1/2 load:	90.8 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17522
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	117 kg
Gross weight:	140 kg
Shipping volume:	0.309 m³
Danish VVS No.:	385909010



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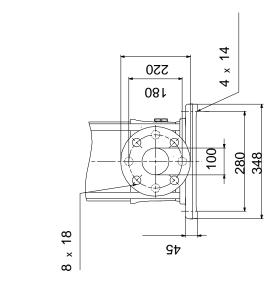
### 96124075 CR 90-1 A-F-A-E-HQQE 50 Hz

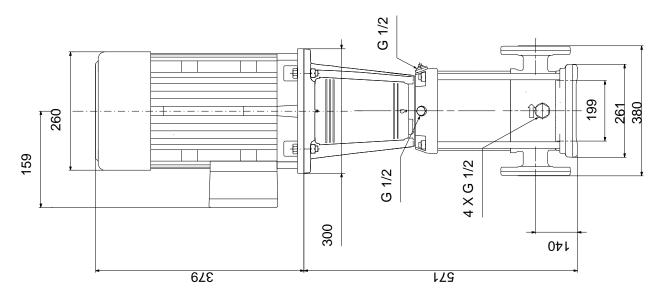




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## 96124075 CR 90-1 A-F-A-E-HQQE 50 Hz



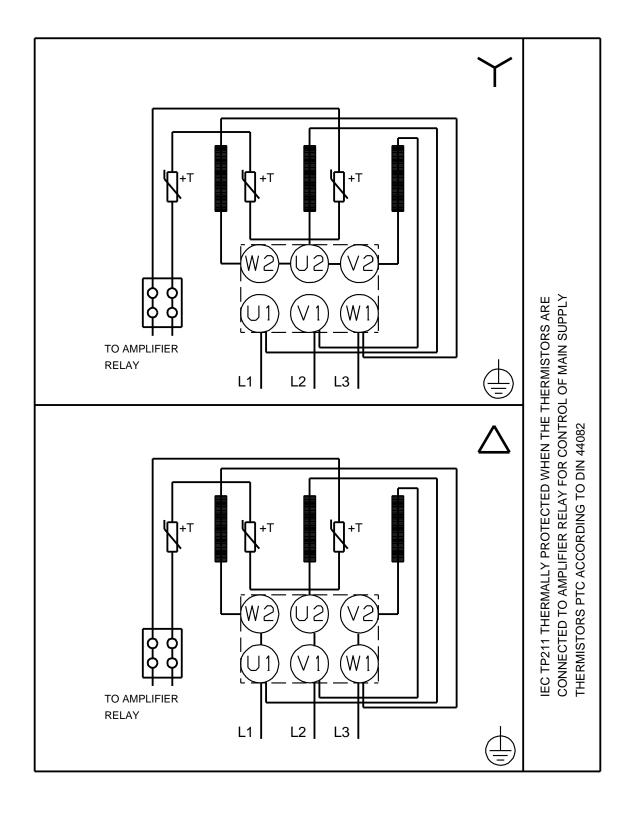


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



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### 96124075 CR 90-1 A-F-A-E-HQQE 50 Hz

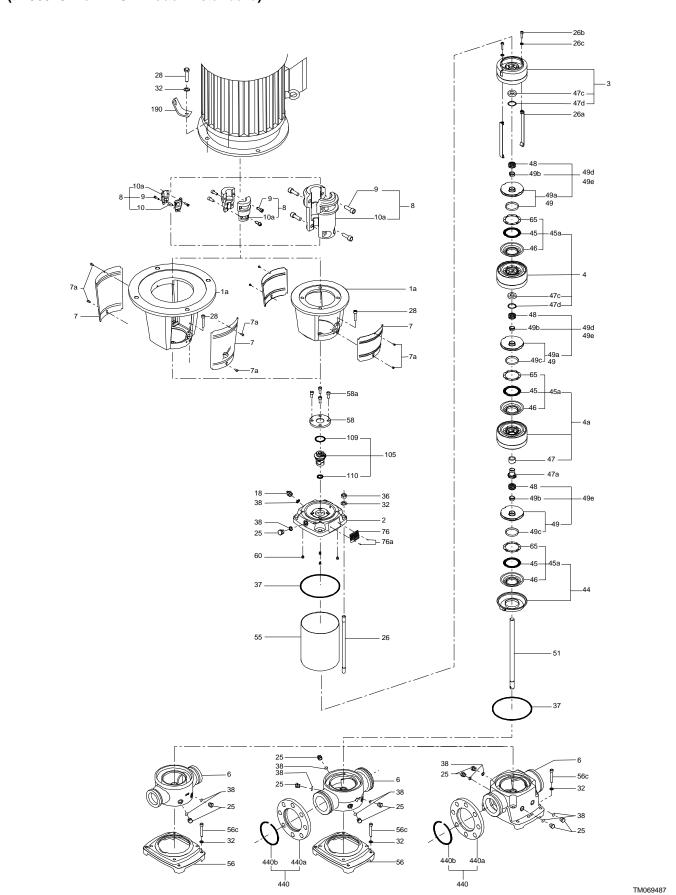


Note! All units are in [mm] unless others are stated.



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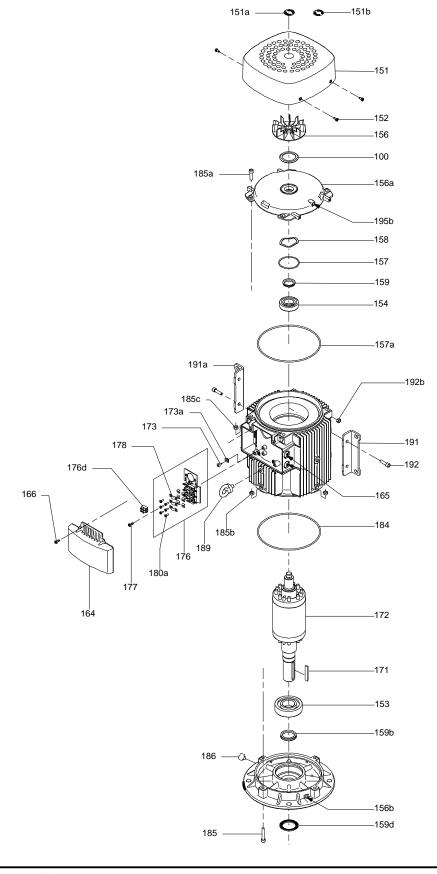
(tm069487 for LACR model B standard)



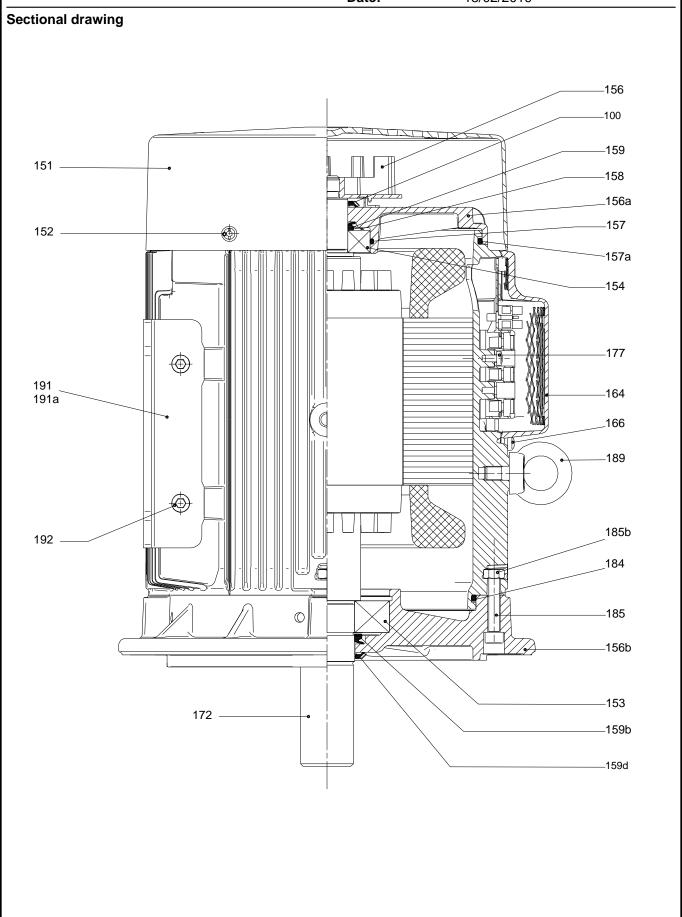


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### **Exploded view**









**Date:** 18/02/2019

# Spare parts CR 90-1, Product No. 96124075 Valid from 3.3.2014 (1410)

	Pos	Description	Annotation	Classification Data	Part no.		. Un
-		Base			98807603	1	pcs
	6	Base					1
	80	Kit, chamber stack			96416257	1	pcs
	80	Chamber stack					1
	3	Upper chamber cpl.					
		Guide cup					
		Guide cup					
		Cone					
		Guide vane					
		Chamber					
		Chamber					
	47	Bearing					
	26c	Washer		Designation: DIN 125A			
				Thickness: 1,6			
	26b	Hex socket head cap screw		,-			
	26a	Strap cpl.		Length (mm): 101			
				Thread: M8			
	44	Suction interconnector cpl.					
		Suction interconnector					
	45a	Neck ring cpl.					
_	47a	Bearing					
	-11 u	Driver					
		Holder					
		Disc spring					
		Bearing ring					
	47f	Hairpin clip					
	471 49e	Impeller cpl.					
	496	Nut					
	49b	Split cone					
	49	Impeller					
	51	Shaft			00004400		
•		Kit, chambers			98634160	1	pcs
•	3	Upper chamber cpl.					1
		Guide cup					
		Guide cup					
		Cone					
		Guide vane					
		Chamber					
		Chamber					
	47	Bearing					
	47a	Bearing					1
		Driver					
		Holder					
		Disc spring					
		Bearing ring					
	47f	Hairpin clip					
		Kit, coupling			96416591	1	pcs
		Adjusting fork					1
	9	Hex socket head cap screw		Designation: DIN 912			4
		•		Length (mm): 25			
				Thread: M10			
	10a	Coupling		Type: SPACER			1
		Kit, coupling guard		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	96505134		pcs



Pos	Description	Annotation Classification Data	Part no.	Qty		Un
7a	Socket button head screw				4	
7	Coupling guard				2	
	Kit, cover		98832448	1		pcs
58a	Hex socket head cap screw	Designation: DIN 912			4	
	•	Length (mm): 25				
		Thread: M10				
F0	Cover	THICAG. WITO			1	
58			00500750		1	
	Kit, impeller		98593752	1		pc
44	Suction interconnector cpl.				1	
	Suction interconnector					
45a	Neck ring cpl.					
48	Nut				1	
49e	Impeller cpl.				1	
48	Nut					
49b	Split cone					
49	Impeller					
	Kit, impeller		98497518	1		pc
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
49	Impeller				1	
	Impeller hub					
49c	Wear ring					
490	<u> </u>		00505400	4		
	Kit, plug		96505136			pc
18	Air vent screw				1	
	Spindle					
	Plug					
25	Plug				4	
25	Plug				1	
38	O-ring	Diameter: 16,3			2	
	3 mig	Material type: FKM			_	
		Thickness: 2,4				
38	O-ring	Diameter: 16,3			4	
		Material type: FKM				
		Thickness: 2,4				
38	O-ring	Diameter: 16,3			6	
		Material type: FKM				
		Thickness: 2,4				
38	O-ring	Diameter: 16,3			2	
50	O mily				_	
		Material type: EPDM				
		Thickness: 2,4				
38	O-ring	Diameter: 16,3			4	
		Material type: EPDM				
		Thickness: 2,4				
	Kit, seals		96416601	1		рс
	Adjusting fork				1	•
37	O-ring				2	
	_	Diamatan 46 2			2	
38	O-ring	Diameter: 16,3			2	
		Material type: EPDM				
		Thickness: 2,4				
38	O-ring	Diameter: 16,3			4	
		Material type: EPDM				
		Thickness: 2,4				
60	Spring	11110111000. Z,T			4	
109	O-ring	B' : 212			1	
110	O-ring	Diameter: 21,2			1	
		Material type: EPDM				
		Thickness: 3,55				



Pos	Description	Annotation	Classification Data	Part no. Qty	7.	Uni
	Kit, shaft seal HQQE			96525458 1		pcs
	Grinding device				1	
105	Shaft seal		Material type: HQQE		1	
	Adjusting fork		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
109	O-ring					
110	O-ring		Diameter: 21,5			
	- <b>3</b>		Material type: EPDM			
			Thickness: 4,25			
	Kit, wear parts			98497509 1		pcs
45	Seal ring				1	Pot
45	Neck ring				2	
47d	Lock ring				2	
47c	Bush				1	
49c	Wear ring				1	
49c	Wear ring				2	
65	Top f/neck ring				1	
65	Top f/neck ring				2	
00	Motor			91333038 1		pcs
	Kit, bearing cpl.			96796642		pus
111	Ball bearing		Designation: 6206		-	
153	Angular-contact bearing		Designation, 6206	.2Z.C3.3 TN		
157	O-ring		Diameter: 62			
137	O-ning					
			Material type: NBR			
450	Mayod washar		Thickness: 3			
158 159.b	Waved washer					
	V-ring					
159	V-ring			00070074	_	
400	Kit, eyebolt			96279874	1	
189	Lifting eye			00700400	_	
450	Kit, fan			96796189	1	
156	Fan			00700400	_	
454	Kit, fan cover			96796188	1	
151	Fan cover					
152	Pan head thread forming screw			0070004	_	
4501	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			
			Material type: NBR			
			Thickness: 3			
158	Waved washer					
159	V-ring					
185.c	Nut					
185.a	Hex socket head cap screw					
	Kit, shaft seal			96843458	1	
159.b	V-ring					
159	V-ring					
	Kit, terminal board			96030209	1	
176	Terminal					
176	Terminal board					
178	Connecting piece					



<b>Pos</b> 179	Description Cable shoe	Annotation	Classification Data	Part no.	Qty.	Uni
180a	Slot cheese head screw		Designation: COMB	I TODY TOS		
1004	Siot cheese head screw		Length (mm): 10	1 TORX 123		
			Thread: M5			
180	Wire clamp		THIOUG. WIO			
	Kit, terminal box cover			967962	15 1	
164	Terminal box cover w/gasket					
166	Pan head thread forming screw					
1a	Motor stool			96547431	1	pcs
2	Pump head			98593647	1	pcs
. 3	Bulk, Upper chamber cpl. (5 pcs)			99262811	1	pcs
6	Base			99321771	1	pcs
7a	Bulk, Socket button head screw (10 pcs)			96549696	4	pcs
7	Bulk, Coupling guard (10 pcs)			96603300	2	pcs
8	Coupling cpl.		Dimension: 22/38	96587705	1	pcs
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
26c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704		pcs
	- (   )		Thickness: 1.6			
26c	Washer		Designation: DIN 125A	96586880	2	pcs
			Thickness: 1,6			
26b	Bulk, Hex socket head cap screw (10 pcs)			98931380	2	pcs
26a	Strap cpl.		Length (mm): 101	98983905		pcs
			Thread: M8			
26	Bulk, Staybolt (4 pcs)		Length (mm): 260	98698539	4	pcs
	,, ( · p )		Thread: M16			F
26	Staybolt		Length (mm): 260	98976751	4	pcs
			Thread: M16			
28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4	pcs
	( р)		Length (mm): 50			F
			Thread: M10			
28	Bulk, Hex head screw (20 pcs)		Length (mm): 45 MM	96620474	4	pcs
	, , , , , , , , , , , , , , , , , , , ,		Thread: M12			•
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	4	pcs
36	Bulk, Nut (20 pcs)		Thread: M12	96620479		pcs
38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815		pcs
	. ,		Material type: EPDM			
			Thickness: 2,4			
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
	,g (c c p c c)		Material type: EPDM			F
			Thickness: 2,4			
47a	Bulk, Bearing (5 pcs)			99270667	1	pcs
49b	Bulk, Split cone (10 pcs)			96536010		pcs
55	Outer sleeve		Outer diameter: 225,0	98820400		pcs
			Length (mm): 115,5			1,50
58	Cover		3. ( ,,.	98893158	1	pcs
60	Bulk, Spring (20 pcs)			96536032		pcs
105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086		pcs
	Adjusting fork			965878		•
109	Bulk, O-ring (10 pcs)			965475		
105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070		pcs
. 00	Bulk, Lock ring (4 pcs)		atoriai typo. i idde	96547435		pcs