

Date: 16/02/2019

Qty. | Description

1 CR 32-3-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96122010

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

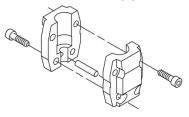
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

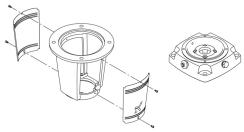
A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor stool by means of two coupling guards.



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:

Rated head:

Pump orientation:

Shaft seal arrangement:

Code for shaft seal:

Approvals on nameplate:

Curve tolerance:

Som m³/h

Vertical

Single

HQQE

CE, EAC,ACS

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 65
Size of outlet connection: DN 65
Pressure rating for pipe connection: PN 40
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: 90.0 %
Number of poles: 90.0 %



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

Insulation class (IEC 85):

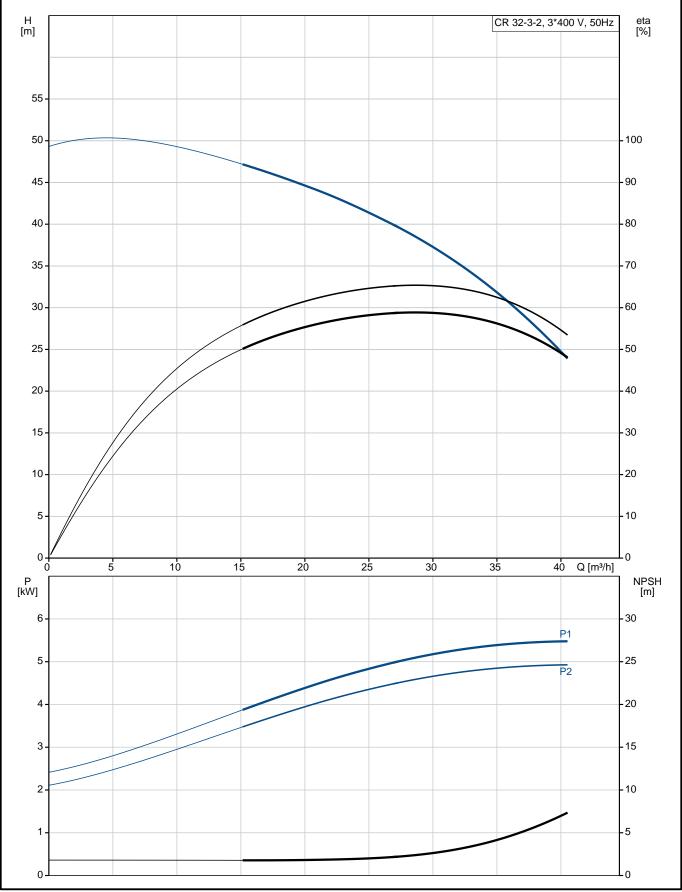
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 97 kg
Gross weight: 120 kg
Shipping volume: 0.309 m³
Danish VVS No.: 385906032
Swedish RSK No.: 5824872



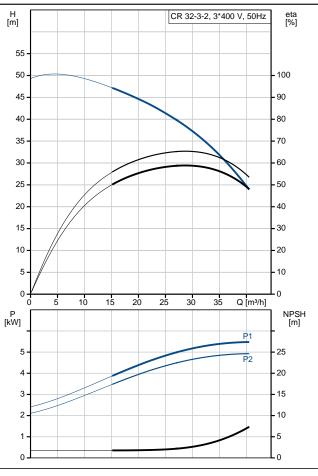
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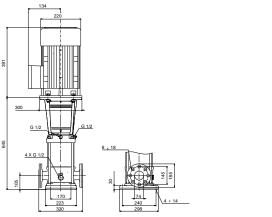
96122010 CR 32-3-2 A-F-A-E-HQQE 50 Hz

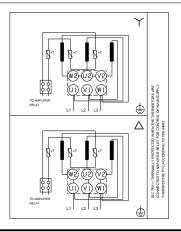




General information: CR 32-3-2 A-F-A-E-HQQE Product name: CR 32-3-2 A-F-A-E-HQQE Product No: 96122010 EAN number: 5700396680545 Technical: 2919 rpm Pump speed on which pump data are based: 38 m Rated flow: 30 m³/h Rated head: 38 m Head max: 51.1 m Stages: 3 Impellers: 3 3 Number of reduced-diameter impellers: 2 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: B Materials: B Base: Cast iron EN 1563 EN-GJS-500-7 Impeller: Stainless steel EN 1,4301 A Astal Assa 80-55-06 Impeller: Stainless steel	Description	Value
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Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: 16 bar / 120 °C 16 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: FF265 Connect code: Liquid: Pumped liquid: Liquid temperature range: -30 120 °C Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: Signary 120 °C Rated voltage: So Hz Rated voltage: Rated voltage: 3 x 380-415D V		Graflon
Maximum operating pressure: Max pressure at stated temp: 16 bar / 120 °C 16 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: DN 65 F Electrical data: Motor standard: Motor type: IEC Motor type: IES Rated power - P2: Power (P2) required by pump: Rated voltage: B IS bar 16 bar 16 bar 16 bar 18		
Max pressure at stated temp: 16 bar / 120 °C 16 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: FF265 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: Signal bar / 120 °C 16 bar / 120 °C DN 65 PN 40 Water Liquid: Pumped liquid: Water Liquid temperature our ing operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: 5.5 kW Mains frequency: Rated voltage: 3 x 380-415D V		60 °C
Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF265 Connect code: F Liquid: Pumped liquid: Uquid temperature range: Liquid temperature during operation: Density: D		
Type of connection: Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: FF265 Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Pelectrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Rated voltage: DN 65 DN 65 PN 40 FF265 Connect code: F Liquid water Liquid: Water Liquid temperature of connection: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 132SC IE Efficiency class: Rated power - P2: Do 5.5 kW Mains frequency: SO Hz Rated voltage: Rated voltage: SIN 65 Rated voltage: SIN 65 SIN 6	Max pressure at stated temp:	
Size of inlet connection: Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: IEC Motor type: IES Rated power - P2: Power (P2) required by pump: Rated voltage: Size of unlet connection: DN 65 Nate of the standard: PN 40 FF265 F Liquid: Water Liquid: Water Liquid: Vater F Liquid: Vater F Signification: Signif		16 bar / -30 °C
Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor standard: IEC Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Rated voltage: Rated voltage: SF265 PN 40 Water Liquid: Water 20 °C 20 °C 2120 °C 2120 °C 2120 °C 220 °C 231 Section (Section (Sectio	Type of connection:	DIN
Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Pelectrical data: Motor standard: Motor type: IEC Motor type: IES Rated power - P2: Power (P2) required by pump: Rated voltage: Rated voltage: PN 40 Water FF265 F Water Liquid: Water 20 °C 298.2 kg/m³ Electrical data: IEC Motor type: 132SC IE 3 Rated voltage: S.5 kW Mains frequency: FO Hz Rated voltage: S 3 x 380-415D V		DN 65
Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: Rated voltage: Rated voltage: FF265 F F FF265 F FF265 F FF265 F F F FF265 F F F FF265 F F F FF265 F F F F F F F F F F F F F		DN 65
Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Density: Blectrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Rated voltage: Rated voltage: F Water Water -30 120 °C 20 °C 998.2 kg/m³ Electrical data: IEC Motor type: 132SC IE3 Rated power - P2: 5.5 kW Power (P2) required by pump: 5.5 kW	· · ·	-
Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: Rated voltage: Rated voltage: Swatter Water Water 430 120 °C 20 °C 988.2 kg/m³ 818C IEC Motor type: 132SC IE3 Rated power - P2: 5.5 kW Power (P2) required by pump: 5.5 kW	Flange size for motor:	FF265
Pumped liquid: Water Liquid temperature range: -30 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ 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	Connect code:	F
Liquid temperature range: Liquid temperature during operation: Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: So Hz Rated voltage: 3 x 380-415D V	Liquid:	
Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ 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	Pumped liquid:	Water
Density: 998.2 kg/m³ 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	Liquid temperature range:	-30 120 °C
Electrical data: Motor standard: IEC Motor type: 132SC IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Rated voltage: 3 x 380-415D V		
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	-	998.2 kg/m³
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		
IE Efficiency class: Rated power - P2: 5.5 kW Power (P2) required by pump: 5.5 kW Mains frequency: Rated voltage: 3 x 380-415D V	Motor standard:	
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	• • • • • • • • • • • • • • • • • • • •	
Power (P2) required by pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V		
Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V	•	
Rated voltage: 3 x 380-415D V	Power (P2) required by pump:	5.5 kW
Rated current: 11 A	Rated voltage:	3 x 380-415D V
	Rated current:	11 A







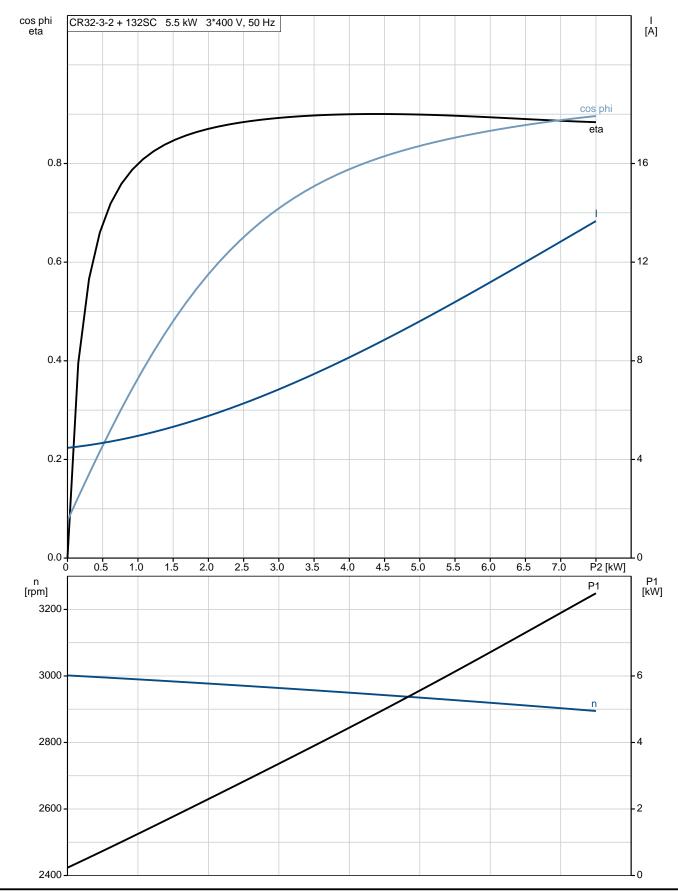


Description	Value
Starting current:	1080-1180 %
Cos phi - power factor:	0.87-0.82
Rated speed:	2920-2940 rpm
Efficiency:	IE3 89,2%
Motor efficiency at full load:	89.2 %
Motor efficiency at 3/4 load:	90.0 %
Motor efficiency at 1/2 load:	89.6 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17417
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI â%¥:	0.70
Net weight:	97 kg
Gross weight:	120 kg
Shipping volume:	0.309 m ³
Danish VVS No.:	385906032
Swedish RSK No.:	5824872



Date: 16/02/2019

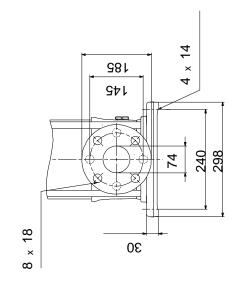
96122010 CR 32-3-2 A-F-A-E-HQQE 50 Hz

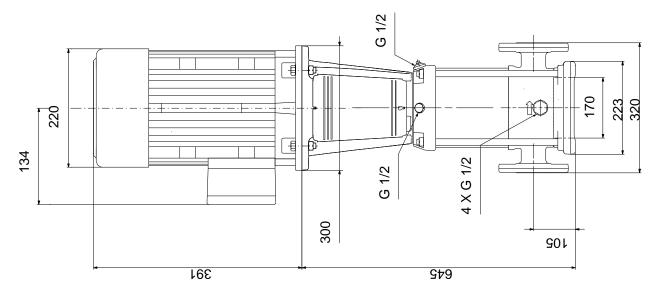




Date: 16/02/2019

96122010 CR 32-3-2 A-F-A-E-HQQE 50 Hz



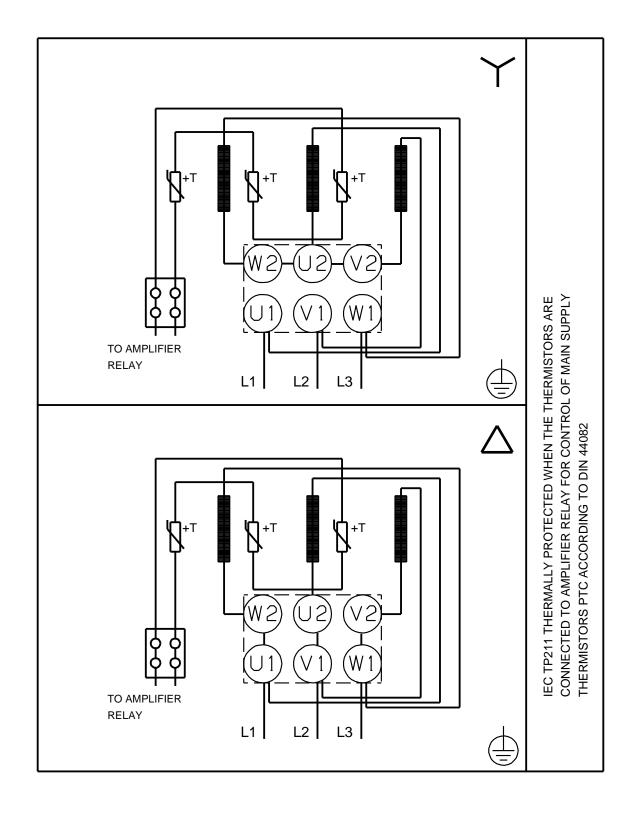


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 16/02/2019

96122010 CR 32-3-2 A-F-A-E-HQQE 50 Hz

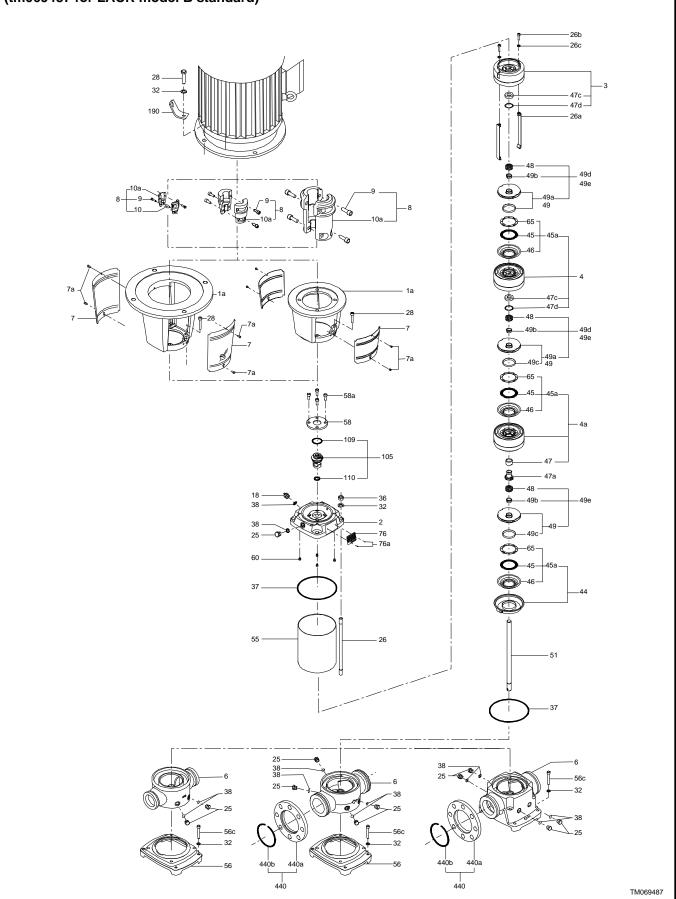


Note! All units are in [mm] unless others are stated.



Date: 16/02/2019

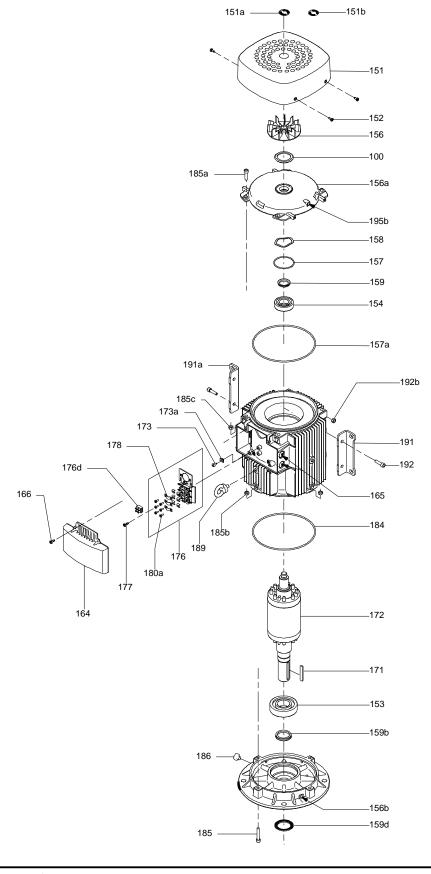
(tm069487 for LACR model B standard)



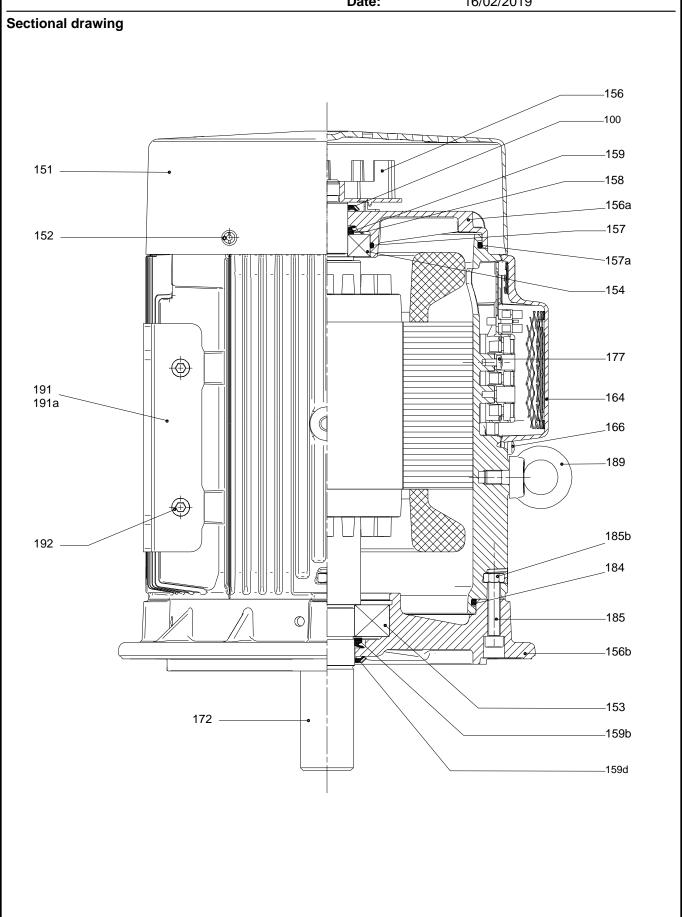


Date: 16/02/2019

Exploded view









Date: 16/02/2019

Spare parts CR 32-3-2, Product No. 96122010 Valid from 3.3.2014 (1410)

	Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
-		Base			96547299	1	pcs
	6	Base				1	
-	80	Kit, chamber stack			96416906	1	pcs
-	80	Chamber stack				1	
-	3	Upper chamber cpl.					
		Cone					
		Spare, turbulence optimizer KP					
		Spare, turbulence optimizer KP					
		Spare, turbulence optimizer KP					
		Spare, turbulence optimizer KP					
		Guide					
	47d	Lock ring					
	47c	Bush					
-	4a	Intermediate chamber cpl.					
		Intermediate chamber cpl.					
-	45a	Neck ring cpl.					
	45	Seal ring					
	46	Neck ring					
	65	Top f/neck ring					
	47	Bearing					
-	4	Intermediate chamber cpl.					
		Cone					
		Spare, turbulence optimizer KP					
		Spare, turbulence optimizer KP					
		Spare, turbulence optimizer KP					
		Spare, turbulence optimizer KP					
		Guide					
-	45a	Neck ring cpl.					
	45	Seal ring					
	46	Neck ring					
	65	Top f/neck ring					
	47d	Lock ring					
	47c	Bush					
	26c	Washer		Designation: DIN 125A			
	001			Thickness: 1,6			
	26b	Hex socket head cap screw					
	26a	Strap cpl.		Thread: M8			
-	44	Suction interconnector cpl.					
	45	Suction interconnector					
	45	Seal ring					
	46	Neck ring					
	65	Top f/neck ring					
-	47a	Bearing cpl. Driver					
		Holder					
		Disc spring					
	100	Bearing ring					
-	49e 48	Impeller cpl. Nut					
	49b	Split cone					
-	49	Impeller					
	10-	Impeller hub					
	49c	Wear ring					



Pos	Description	Annotation Classification Data	Part no.	Qt	y.	Uni
49d	Impeller cpl. reduced diameter					
48	Nut					
49b	Split cone					
49a	Impeller					
	Impeller hub					
49c	Wear ring					
51	Shaft		00.40=400			
	Kit, chambers		98497462	1		pcs
4a	Intermediate chamber cpl.				1	
	Intermediate chamber cpl.					
45a	Neck ring cpl.					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47						
	Bearing				_	
47a	Bearing cpl.				1	
	Driver					
	Holder					
	Disc spring					
	Bearing ring					
	Kit, coupling		96416591	1		pcs
	Adjusting fork		22	-	1	
9	Hex socket head cap screw	Designation: DIN 912			4	
3	Tiex socket flead cap sciew	Length (mm): 25			_	
		Thread: M10				
10a	Coupling	Type: SPACER			1	
	Kit, coupling guard		96505134	1		pcs
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	•
	Trok cooker house cap coron	Length (mm): 25			•	
		Thread: M10				
	Cover	mieau. Wito			4	
58			00440507		1	
	Kit, gaskets		96416597	1		pcs
	Adjusting fork				1	
37	O-ring				2	
38	O-ring	Diameter: 16,3			2	
		Material type: EPDM				
		Thickness: 2,4				
38	O-ring	Diameter: 16,3			4	
00	O mily	Material type: EPDM			_	
		The state of the s				
	0 :	Thickness: 2,4			_	
60	Spring				4	
109	O-ring				1	
110	O-ring	Diameter: 21,2			1	
		Material type: EPDM				
		Thickness: 3,55				
	Kit, impeller		98497465	1		pcs
48	Nut		23 107 100		1	P 00
48	Nut					
					1	
49b	Split cone				1	
49	Impeller				1	
	Impeller hub					
49c	Wear ring					
	Kit, Impeller, reduced diamete		98633832	1		pcs
48	Nut		·		1	•
	Nut				1	
48						



Pos	Description	Annotation Classification Data Part no. Qty	/. U n
49a	Impeller		1
	Impeller hub		
49c	Wear ring		
	Kit, plug	96505136 1	pcs
18	Air vent screw		1
	Spindle		•
	Plug		
25	_		4
25	Plug		4
25	Plug		1
38	O-ring	Diameter: 16,3	2
		Material type: FKM	
		Thickness: 2,4	
38	O-ring	Diameter: 16,3	4
	<u> </u>	Material type: FKM	
		Thickness: 2,4	
38	O-ring	Diameter: 16,3	6
30	O-IIIIg		U
		Material type: FKM	
		Thickness: 2,4	
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	
	Kit, shaft seal HQQE	96525458 1	pcs
		30323430 T	
405	Grinding device	M	1
105	Shaft seal	Material type: HQQE	1
	Adjusting fork		
109	O-ring		
110	O-ring	Diameter: 21,5	
		Material type: EPDM	
		Thickness: 4,25	
	Kit, wear parts	98497451 1	pcs
45	Seal ring		7
47d	Lock ring		7
47c	Bush		5
49c	Wear ring		7
65	Top f/neck ring		7
	Motor	85904020 1	pcs
	Kit, bearing cpl.	96279803	1
111	Ball bearing	Designation: 6206.2Z.C3.SYN	
153	Angular-contact bearing	•	
157	O-ring	Diameter: 62	
107	C Tillig	Material type: NBR	
		• • • • • • • • • • • • • • • • • • • •	
4=0		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	5141.0001.0	
159a	Seal ring		
	Kit, eyebolt	96279825	1
189	Eyebolt		
	Kit, fan	96279758	1
156	Fan		
159c	Seal ring		



Pos	Description	Annotation Classification Data	Part no. Qty. Un
	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		
	Kit, retaining ring		96279801 1
187	Retaining ring		
188	Retaining ring		
	Kit, shaft seal		96279764 1
159d	Seal ring		002.0.0.
159c	Seal ring		
1390	<u> </u>		06270702 1
404	Kit, staybolts		96279793 1
181	Pan head staybolt		00070700 4
	Kit, terminal board		96279769 1
173a	Base		
173	Pan head thread forming screw	Designation: COM	
176	Slot cheese head screw	Designation: COM	BI 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
164	Terminal box cover w/gasket		
166	Pan head thread forming screw		
1a	Motor stool		96547431 1 pcs
2	Pump head		96587722 1 pcs
3			<u>'</u>
	Upper chamber cpl.		98633863 1 pcs 99321194 1
47c	Bulk, Bush (10 pcs)		
4a	Bulk, Intermediate chamber cpl. (5 pcs)		99262755 1 pcs
· 4a	Intermediate chamber cpl.		99363114 1 pcs
4	Bulk, Intermediate chamber cpl. (3 pcs)		96534939 1 pcs
45a	Bulk, Neck ring cpl. (10 pcs)		98686545 1
45	Bulk, Seal ring (10 pcs)		97915217
65	Bulk, Top f/neck ring (10 pcs)		96534931
6	Base cpl.	Rubber type: EPDM	96587692 1 pcs
25	Bulk, Plug (10 pcs)		96536013 4
37	Bulk, O-ring (10 pcs)		96536149 1
38	Bulk, O-ring (10 pcs)	Diameter: 16,3	99198815 4
	- , - 3 (p /	Material type: EPDM	
		Thickness: 2,4	
38	Bulk, O-ring (50 pcs)	Diameter: 16,3	99412727 4
30	Buik, O-IIIIg (30 pcs)	Material type: EPDM	39412121 4
		••	
76	Dulle Cooket button band arrow (40 and	Thickness: 2,4	06540600 4
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 2 pcs
	, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Thickness: 1,6	P



	Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
				Thickness: 1,6			
	26b	Bulk, Hex socket head cap screw (10 pcs)			98931380		pcs
	26a	Strap cpl.		Thread: M8	98983836		pcs
	26	Staybolt		Length (mm): 356	98976695	4	pcs
				Thread: M16			
	28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4	pcs
				Length (mm): 50			
	00	Dulle Harris and a grown (00 mas)		Thread: M10	00000474		
	28	Bulk, Hex head screw (20 pcs)		Length (mm): 45 MM	96620474	4	pcs
	00	D. II. W (400)		Thread: M12	00000054		
	32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	4	pcs
				Internal diameter: 17			
				Outer diameter: 30			
	26	Dulk Nut (20 pee)		Thickness: 3	06600470	4	200
	36	Bulk, Nut (20 pcs)		Thread: M12 Thread: M16	96620479		pcs
	36 37	Bulk, Hex nut (20 pcs) Bulk, O-ring (10 pcs)		meau. Wito	96620480		pcs
				Diameter 10.2	96536149		pcs
	38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	pcs
				Material type: EPDM			
	38	Pulk Oring (50 pos)		Thickness: 2,4 Diameter: 16,3	99412727	2	noo
	30	Bulk, O-ring (50 pcs)		Material type: EPDM	99412727	2	pcs
				Thickness: 2,4			
<u> </u>	44	Suction interconnector cpl.		THICKIESS. 2,4	96547328	1	pcs
	45	Bulk, Seal ring (10 pcs)			979152		•
	65	Bulk, Top f/neck ring (10 pcs)			965349		
+	47a	Bulk, Bearing cpl. (5 pcs)			99366796		pcs
+	47a	Bulk, Bearing cpl. (10 pcs)			96534932		pcs
╟┺	49e	Bulk, Impeller cpl. (3 pcs)			98287180		pcs
	49c	Bulk, Wear ring (10 pcs)			965349		-
+	49e	Bulk, Impeller cpl. (10 pcs)			96534935		pcs
+	49e	Impeller cpl.			98394455		pcs
<u> </u>	49d	Impeller cpl. reduced diameter			98394463		pcs
	48	Bulk, Nut (3 pcs)			992626		
	48	Bulk, Nut (10 pcs)			992626		
	48	Bulk, Nut (10 pcs)			965360		
	49b	Bulk, Split cone (10 pcs)			965360		
-	49a	Bulk, Impeller (10 pcs)			965349		
	49c	Bulk, Wear ring (10 pcs)				53493	
	55	Outer sleeve		Outer diameter: 197,0	99031510		pcs
		2 3.3. 3.00.0		Length (mm): 235,5	30001010	•	7.00
	58	Cover			98893158	1	pcs
	60	Bulk, Spring (20 pcs)			96536032		pcs
-	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086		pcs
		Adjusting fork		- 71	965878		-
	109	Bulk, O-ring (10 pcs)			965475		
+	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070		pcs
	203	Bulk, Lock ring (4 pcs)		7,F21.1.3.1	96534918		pcs
<u> </u>		,cog (· p-c/			, , , , , , , , , , , , ,	•	