

Date: 16/02/2019

Qty. | Description

1 | CR 32-11-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96122026

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

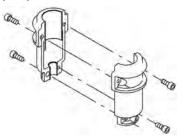
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

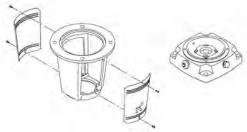
A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



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.

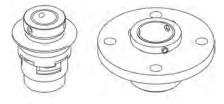
Primary seal:

- 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: 2947 rpm

Rated flow:

Rated head:

Pump orientation:

Shaft seal arrangement:

Code for shaft seal:

Approvals on nameplate:

Curve tolerance:

Som M³/h

162.8 m

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: 30 bar

Max pressure at stated temp: 30 bar / 120 °C

30 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: FF300

Electrical data:

Motor standard: IEC
Motor type: 180MB
IE Efficiency class: IE3
Rated power - P2: 22 kW
Power (P2) required by pump: 22 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D/660-690Y V

2

Rated current: 39.5/22.8 A Starting current: 830 % Cos phi - power factor: 0.90-0.90 Rated speed: 2950 rpm Efficiency: IE3 92,7% Motor efficiency at full load: 92.7-92.7 % Motor efficiency at 3/4 load: 93.7 % Motor efficiency at 1/2 load: 94.4 %

Number of poles:



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

Insulation class (IEC 85):

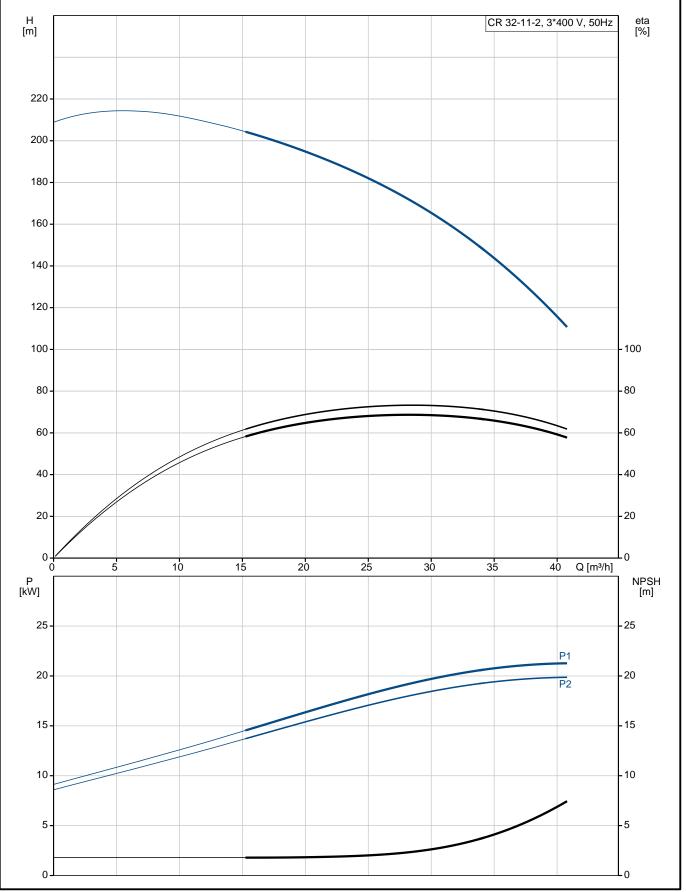
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 220 kg
Gross weight: 265 kg
Shipping volume: 0.808 m³
Danish VVS No.: 385906112
Swedish RSK No.: 5824888



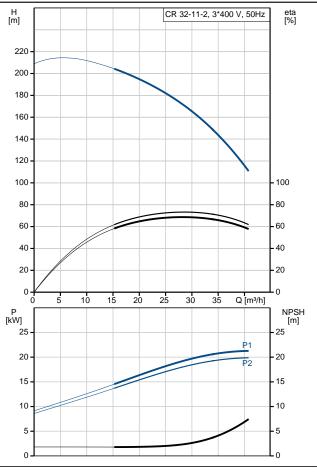
Date: 16/02/2019

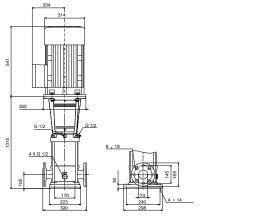
96122026 CR 32-11-2 A-F-A-E-HQQE 50 Hz

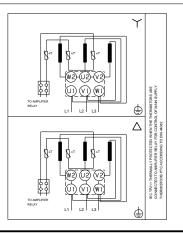




Description	Value
General information:	
Product name:	CR 32-11-2
	A-F-A-E-HQQE
Product No:	96122026
EAN number:	5700396680705
Technical:	
Pump speed on which pump data are based:	2947 rpm
	·
Rated flow:	30 m³/h
Rated head:	162.8 m
Head max:	206.9 m
Stages:	11
Impellers:	11
Number of reduced-diameter 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:	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:	A
Code for rubber:	E
Code for rubber: Bearing:	E SIC
Bearing:	SIC
Bearing: Support bearing:	SIC
Bearing: Support bearing: Installation:	SIC Graflon
Bearing: Support bearing: Installation: Maximum ambient temperature:	SIC Graflon
Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	SIC Graflon 60 °C 30 bar
Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C
Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C
Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN
Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65
Bearing: Support 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 Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65
Bearing: Support 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 Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40
Bearing: Support 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 size for motor:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300
Bearing: Support 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 size for motor: Connect code:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300
Bearing: Support 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 size for motor: Connect code: Liquid:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F
Bearing: Support 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 size for motor: Connect code: Liquid: Pumped liquid:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water
Bearing: Support 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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C
Bearing: Support 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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C
Bearing: Support 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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C
Bearing: Support 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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³
Bearing: Support 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 size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC
Bearing: Support 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 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 Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC 180MB
Bearing: Support 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 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 Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC 180MB IE3
Bearing: Support 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 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 Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW
Bearing: Support 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 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 Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 22 kW 50 Hz 3 x 380-415D/660-690Y
Bearing: Support 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 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:	SIC Graflon 60 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF300 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC 180MB IE3 22 kW 50 Hz







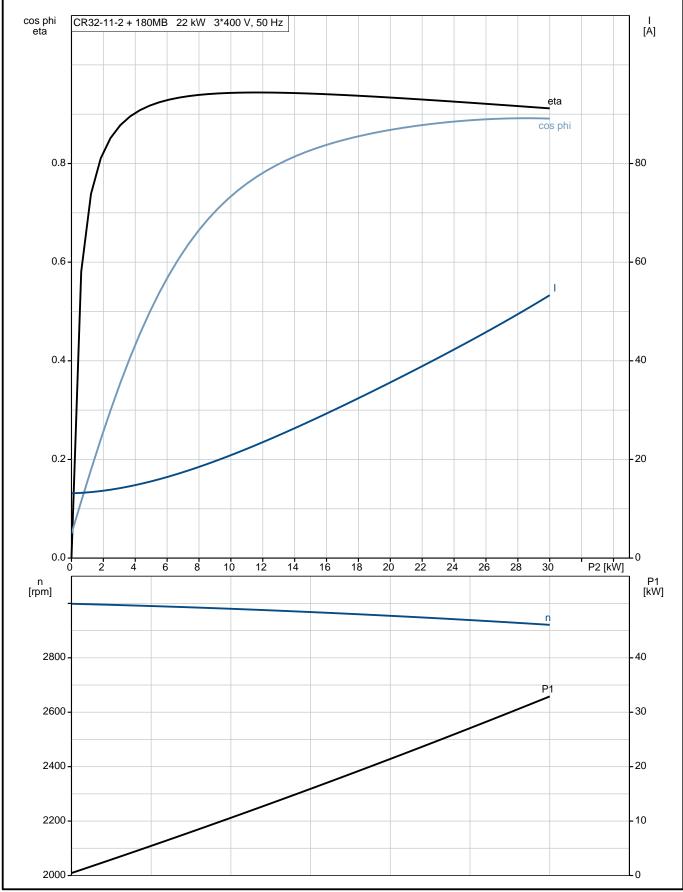


Description	Value
Starting current:	830 %
Cos phi - power factor:	0.90-0.90
Rated speed:	2950 rpm
Efficiency:	IE3 92,7%
Motor efficiency at full load:	92.7-92.7 %
Motor efficiency at 3/4 load:	93.7 %
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17530
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	220 kg
Gross weight:	265 kg
Shipping volume:	0.808 m³
Danish VVS No.:	385906112
Swedish RSK No.:	5824888



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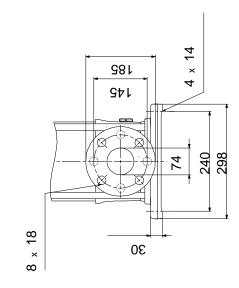
96122026 CR 32-11-2 A-F-A-E-HQQE 50 Hz

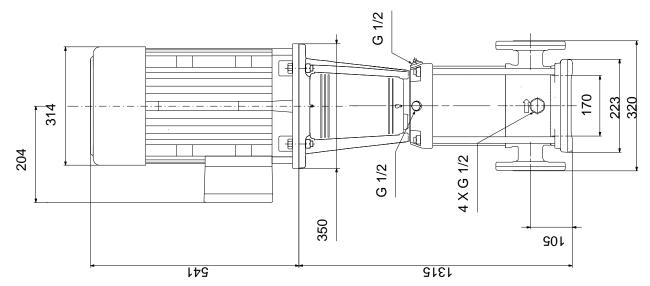




Date: 16/02/2019

96122026 CR 32-11-2 A-F-A-E-HQQE 50 Hz



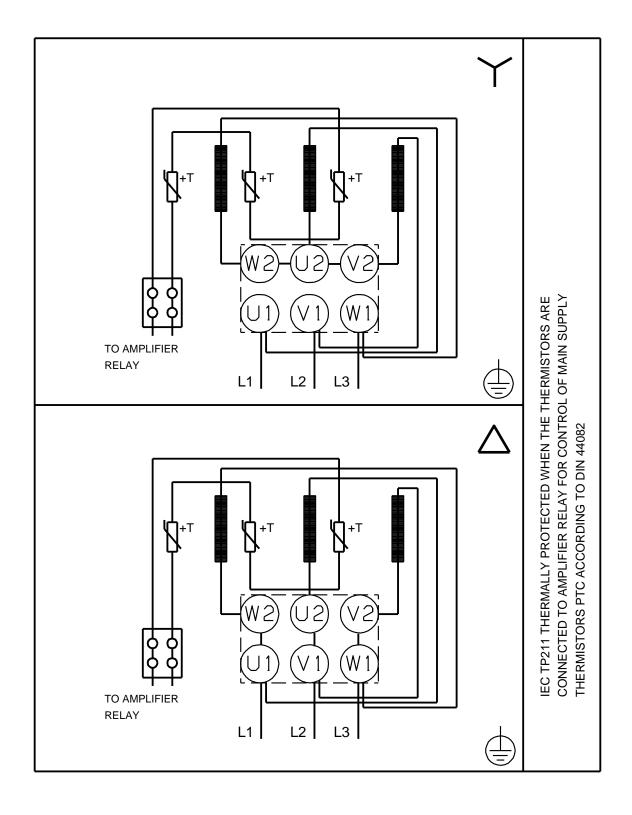


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



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96122026 CR 32-11-2 A-F-A-E-HQQE 50 Hz

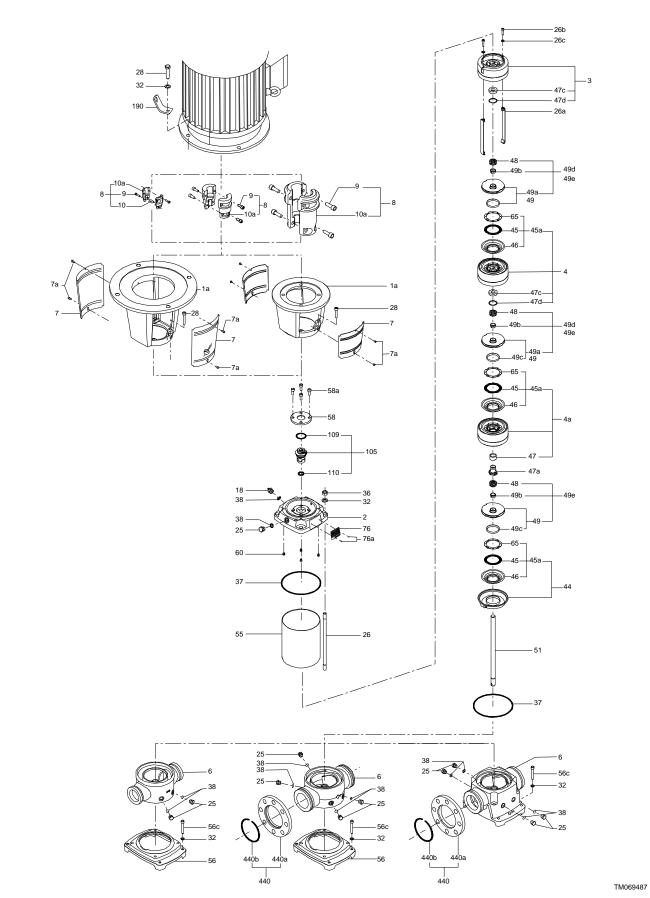


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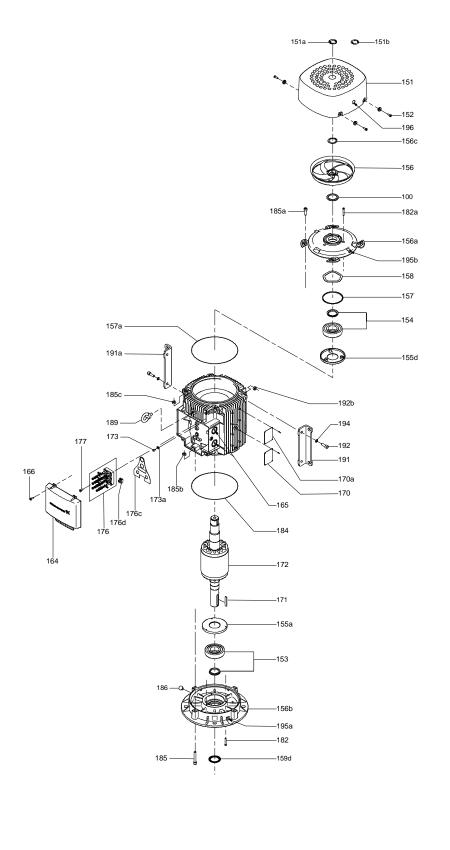
(tm069487 for LACR model B standard)



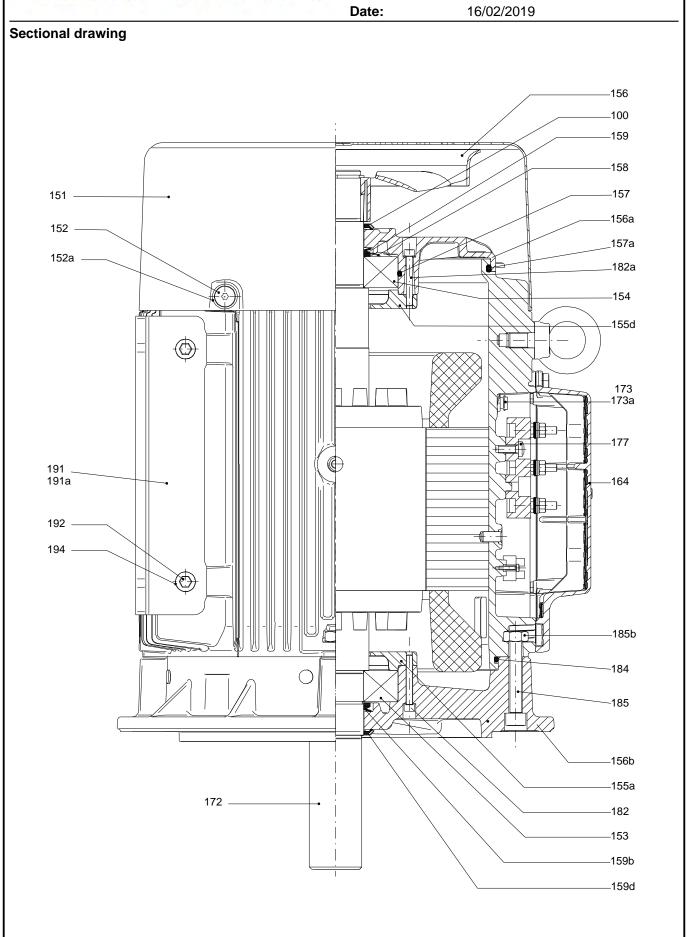


Date: 16/02/2019

Exploded view









Date: 16/02/2019

Spare parts CR 32-11-2, Product No. 96122026 Valid from 3.3.2014 (1410)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
•	Base			96547299	1	pc
6	Base			00410011	1	
80	Chamber stack			96416914		р
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: D	IN 125A		
200	Tracino.		Thickness: 1,6			
26b	Hex socket head cap screw		11110101000. 1,0			
26a	Strap cpl.		Length (mm): 7	779		
200	Οιτάρ ορί.		Thread: M8	7.5		
44	Suction interconnector cpl.		Tilloud. Wo			
т-т	Suction interconnector					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47a						
4/a	Bearing cpl. Driver					
	Holder					
	Disc spring					
	Bearing ring					
49e	Impeller cpl.					
48	Nut					
49b	Split cone					
49	Impeller					
	Impeller hub					



Pos	Description	Annotation Classification Data	Part no.	Qty	J.	Uni
49c	Wear ring					
49d	Impeller cpl. reduced diameter					
48	Nut					
49b	Split cone					
49a	Impeller					
	Impeller hub					
49c	Wear ring					
51	Pump shaft					
	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		96416593	1		pcs
	Adjusting fork		90410393		1	pos
8	Coupling cpl.	Dimension: 22/48			1	
9	Hex socket head cap screw		N 012			
9	nex socket nead cap screw	Designation: DI	IN 912			
		Length (mm): 25				
40	0 1 1 1	Thread: M10				
10a	Coupling half					
	Kit, coupling guard		96505135	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 9	12		4	
		Length (mm): 25				
		Thread: M10				
58	Cover				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	
	-	Material type: EPDM				
		Thickness: 2,4				
60	Spring				4	
109	O-ring				1	
110	O-ring	Diameter: 21,2			1	
-	<u> </u>	Material type: EPDM				
		Thickness: 3,55				
	Kit, impeller	111101111000. 0,00	98497465	1		pcs
48	Nut		00-101-100		1	٥٥٥
48	Nut				1	
49b	Split cone				1	
496					1	
49	Impeller					
	Impeller hub Wear ring					
10-	vvear ring					
49c	Kit, Impeller, reduced diamete		98633832	_		pcs



Pos	s De	escription	Annotation Classification Data Part no. Qty	. Un
48		Nut		1
49b		Split cone		1
49a	a	Impeller		1
		Impeller hub		
490	;	Wear ring		
	Kit	, plug	96505136 1	pcs
18		Air vent screw		1
		Spindle		
		Plug		
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
			Material type: FKM	
			Thickness: 2,4	
38		O-ring	Diameter: 16,3	6
50		O fing	Material type: FKM	•
			Thickness: 2,4	
38		O ring	Diameter: 16,3	2
30		O-ring	·	2
			Material type: EPDM	
00		•	Thickness: 2,4	_
38		O-ring	Diameter: 16,3	4
			Material type: EPDM	
			Thickness: 2,4	
	Kit	, shaft seal HQQE	96525458 1	pcs
		Grinding device		1
105	5	Shaft seal	Material type: HQQE	1
		Adjusting fork		
109	9	O-ring		
110)	O-ring	Diameter: 21,5	
			Material type: EPDM	
			Thickness: 4,25	
	Mo	otor	85904229 1	pcs
		Kit, bearing cpl.	96796812	1
153	3	Angular-contact bearing	Designation: 7310B	
154	1	Ball bearing	<u> </u>	
158	3	Waved washer		
159		V-ring		
		Kit, bearing plate	96796809	1
155	5 a	Cover	00.0000	•
208		Gasket		
208		Hex socket head cap screw	Designation: DIN912	
200	,	Hox socket head cap sciew	Length (mm): 40	
			Thread: M5	
		Vit. avalant	96796712	4
400	`	Kit, eyebolt	96/96/12	I
189	1	Eyebolt	00-000-0	_
,		Kit, fan	96796650	1
156		Retaining ring		
156	3	Fan		
		Kit, fan cover	96796647	1
151		Fan cover		
152		Rubber bush		
152	2	Hex head cap screw		
196	3	Diaphragm		
		Kit, flange	96796807	1
156	6.b	Flange		
	9.b	Seal ring		



Pos	Description	Annotation Classification Data	Part no. Qt	y. Un
185	Hex socket head cap screw			
186	Drain plug			
195.a	• • • • • • • • • • • • • • • • • • • •			
	Kit, gaskets		96798508	1
184	O-ring	Diameter: 235		
	Kit, lubrication nipple		96796671	1
195.b	Grease nipple			
195.a	Grease nipple			
	Kit, ND-end shield cpl.		96796810	1
156a	End shield NDE			
158	Waved washer			
159	V-ring			
185.0	<u> </u>			
185.a				
195.b	•			
193.0	Kit, shaft seal		06042460	1
450 6			96843460	ı
159.b	9			
159	V-ring		00700057	
	Kit, terminal board		96796657	1
	Terminal connection			
	Washer			
36	Hex nut			
173	Torx Screw			
176.c	Terminal board			
176	Terminal board			
177	Torx Screw			
	Kit, terminal box cover		96796659	1
164	Terminal box cover			
273a	Pan head thread forming screw			
1a	Motor stool		98993921 1	pcs
2	Pump head		96587722 1	pcs
3	Upper chamber cpl.		98633863 1	pcs
47c	Bulk, Bush (10 pcs)		99321194	
4a	Bulk, Intermediate chamber cpl. (5 pcs)		99262755 3	pcs
	Intermediate chamber cpl.		99363114 3	
	·			pcs
4	Bulk, Intermediate chamber cpl. (3 pcs)		96534939 7	pcs
45a	Bulk, Neck ring cpl. (10 pcs)		98686545	
45	Bulk, Seal ring (10 pcs)		97915	
65	Bulk, Top f/neck ring (10 pcs)		96534	931
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
		Material type: EPDM		
		Thickness: 2,4		
38	Bulk, O-ring (50 pcs)	Diameter: 16,3	99412727	4
	,	Material type: EPDM		
		Thickness: 2,4		
7a	Bulk, Socket button head screw (10 pcs)		96549696 4	pcs
7	Bulk, Coupling guard (10 pcs)		96603279 2	pcs
	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		
26c	Washer	Designation: DIN 125A	96586880 2	pcs
		Thickness: 1,6		
			98931380 2	



	Pos	Description	Annotation	Classification Data	Part no.	Qty	. U	Jnit
	26a	Strap cpl.		Length (mm): 779	98983853	2		cs
				Thread: M8				
	26	Staybolt		Length (mm): 916	98976701	4	р	cs
		•		Thread: M16				
	28.a	Bulk, Hex head screw (20 pcs)			96620478	4	р	cs
	28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4		cs
				Length (mm): 50				
				Thread: M10				
	32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	8	р	cs
				Internal diameter: 17				
				Outer diameter: 30				
				Thickness: 3				
	36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480	4	р	cs
	37	Bulk, O-ring (10 pcs)			96536149	1	р	cs
	38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	р	cs
				Material type: EPDM				
				Thickness: 2,4				
	38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	р	cs
				Material type: EPDM				
				Thickness: 2,4				
-	44	Suction interconnector cpl.			96547328	1	р	cs
	45	Bulk, Seal ring (10 pcs)			979152	217	1	
	65	Bulk, Top f/neck ring (10 pcs)			965349		1	
	47a	Bulk, Bearing cpl. (5 pcs)			99366796	3	р	cs
+	47a	Bulk, Bearing cpl. (10 pcs)			96534932	3	р	cs
-	49e	Bulk, Impeller cpl. (3 pcs)			98287180	9	р	cs
	49c	Bulk, Wear ring (10 pcs)			965349	930	1	
+	49e	Bulk, Impeller cpl. (10 pcs)			96534935		р	cs
+	49e	Impeller cpl.			98394455	9	р	cs
-	49d	Impeller cpl. reduced diameter			98394463			cs
	48	Bulk, Nut (3 pcs)			992626		1	
	48	Bulk, Nut (10 pcs)			992626			
	48	Bulk, Nut (10 pcs)			965360		1	
	49b	Bulk, Split cone (10 pcs)			965360			
<u> -</u>	49a	Bulk, Impeller (10 pcs)			965349			
	49c	Bulk, Wear ring (10 pcs)		O		5349		
	55	Outer sleeve		Outer diameter: 197,0	98852390	1	р	cs
				Length (mm): 795,5	00000177	_		
	58	Cover			98893158			cs
	60	Bulk, Spring (20 pcs)			96536032			cs
<u> </u>	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086			cs
	100	Adjusting fork			965878		1	
L.	109	Bulk, O-ring (10 pcs)		Matadaltan 11005	965475		1	
+	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070			cs
	203	Bulk, Lock ring (4 pcs)			96534918	1	р	cs