

Date: 16/02/2019

Qty. | Description

1 CR 32-13-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96122030

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

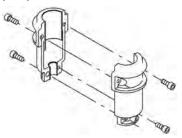
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

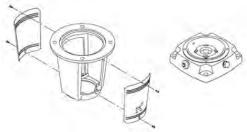
A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



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.

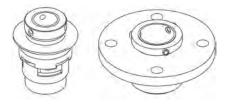
Primary seal:

- 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: 2951 rpm

Rated flow: 30 m³/h
Rated head: 196.8 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: 55 °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: FF350

Electrical data:

Motor standard: IEC
Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 30 kW
Power (P2) required by pump: 30 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 56,0-51,0/32,0-29,5 A

Starting current: 660-660 %

Cos phi - power factor: 0.87

Rated speed: 2955 rpm

Efficiency: IE3 93,3%

Motor efficiency at full load: 93.3-93.3 %

Motor efficiency at 3/4 load: 93.6-93.6 %

Motor efficiency at 1/2 load: 93.4-93.4 %

Number of poles: 2



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Qty. | Description

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

Insulation class (IEC 85):

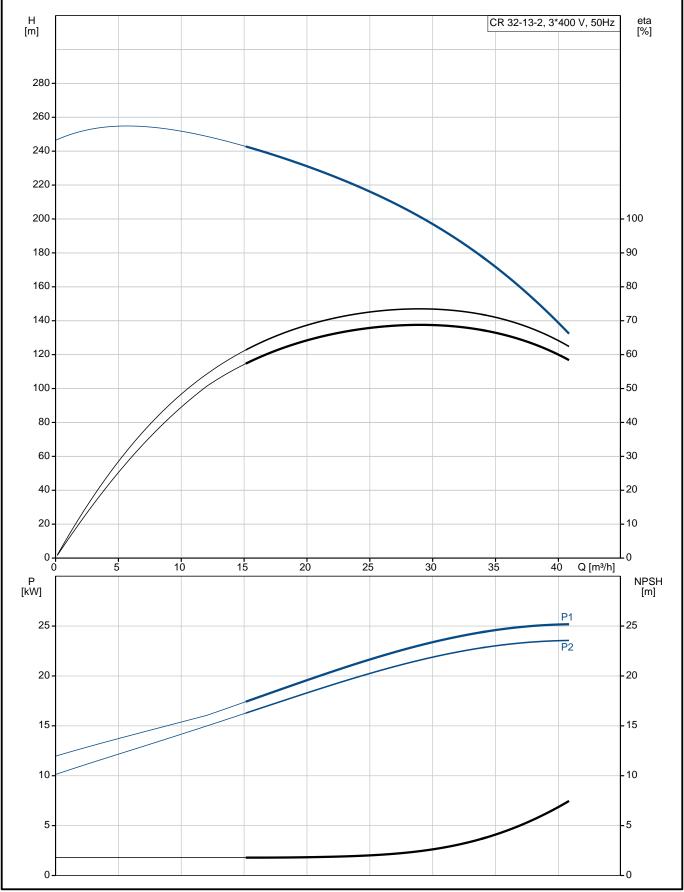
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 329 kg
Gross weight: 374 kg
Shipping volume: 0.808 m³
Danish VVS No.: 385906132
Swedish RSK No.: 5824892



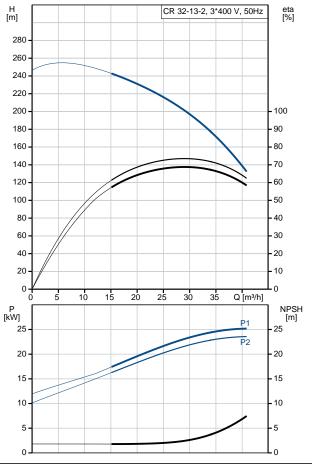
Date: 16/02/2019

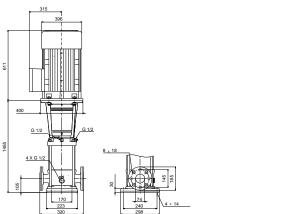
96122030 CR 32-13-2 A-F-A-E-HQQE 50 Hz

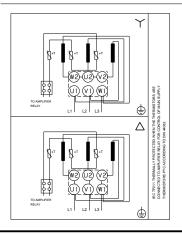




Description	Value
General information:	
Product name:	CR 32-13-2 A-F-A-E-HQQE
Product No:	96122030
EAN number:	5700396680743
Technical:	
Pump speed on which pump data are	
based:	2951 rpm
Rated flow:	30 m³/h
Rated head:	196.8 m
Head max:	247.1 m
Stages:	13
Impellers:	13
Number of reduced-diameter impellers:	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:	Α
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
• • •	55 °C
Installation: Maximum ambient temperature:	55 °C 30 bar
Installation: Maximum ambient temperature: Maximum operating pressure:	30 bar
Installation: Maximum ambient temperature:	
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	30 bar 30 bar / 120 °C
Installation: Maximum ambient temperature: Maximum operating pressure:	30 bar 30 bar / 120 °C 30 bar / -30 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW 30 kW
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW 30 kW 50 Hz
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:	30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 65 DN 65 PN 40 FF350 F Water -30 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 30 kW 30 kW







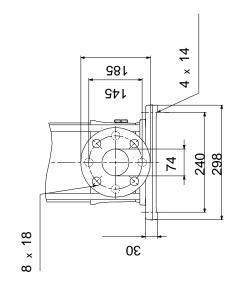


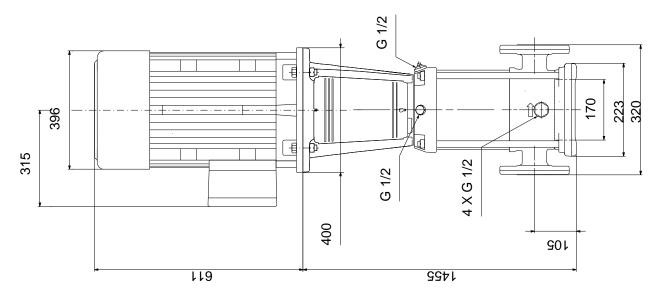
Description	Value
Starting current:	660-660 %
Cos phi - power factor:	0.87
Rated speed:	2955 rpm
Efficiency:	IE3 93,3%
Motor efficiency at full load:	93.3-93.3 %
Motor efficiency at 3/4 load:	93.6-93.6 %
Motor efficiency at 1/2 load:	93.4-93.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15332
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	329 kg
Gross weight:	374 kg
Shipping volume:	0.808 m ³
Danish VVS No.:	385906132
Swedish RSK No.:	5824892



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96122030 CR 32-13-2 A-F-A-E-HQQE 50 Hz



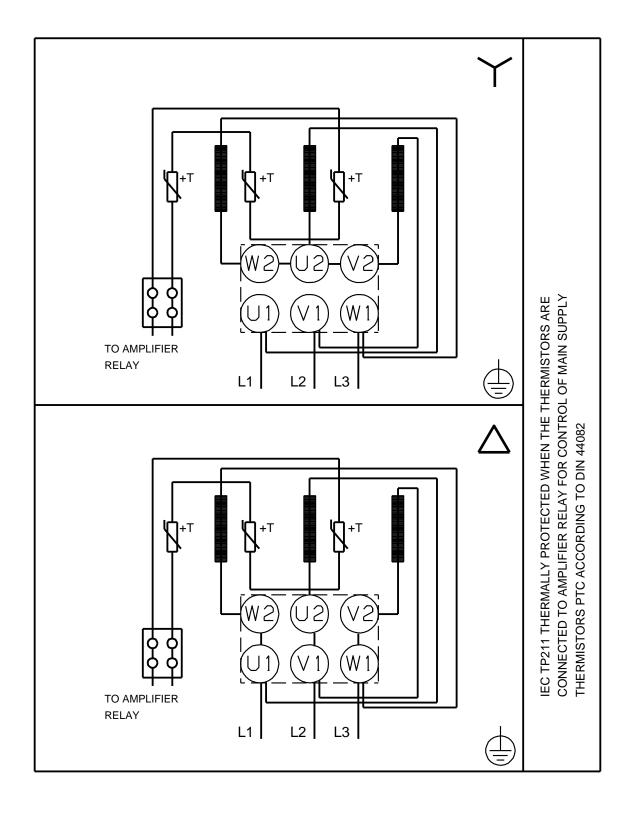


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



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96122030 CR 32-13-2 A-F-A-E-HQQE 50 Hz

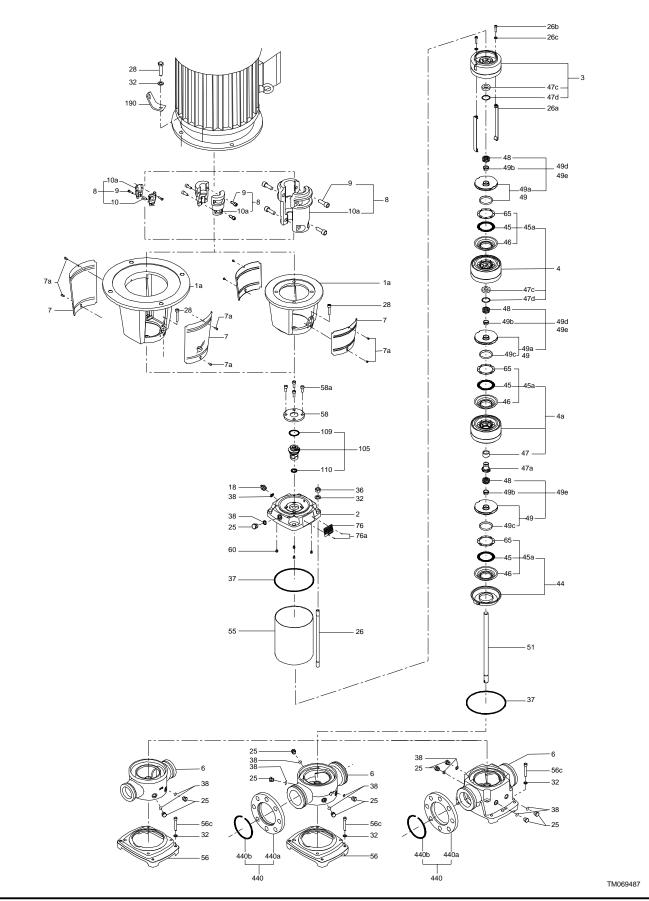


Note! All units are in [mm] unless others are stated.



Date: 16/02/2019

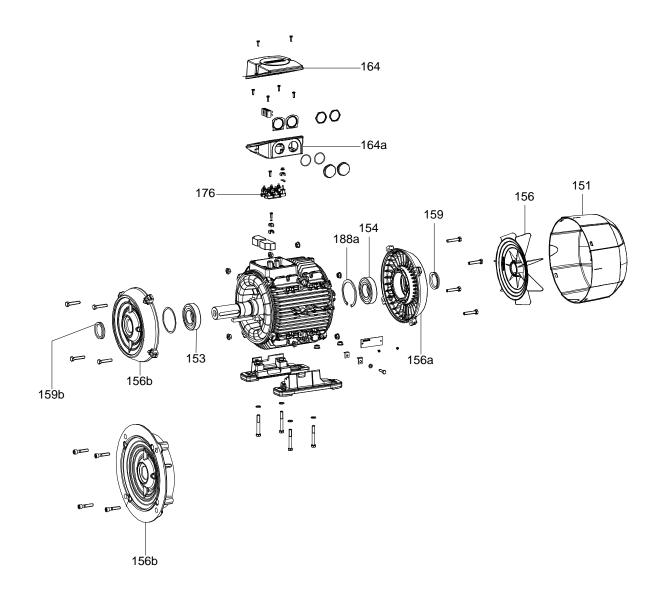
(tm069487 for LACR model B standard)





Date: 16/02/2019

(TM058162)





Date: 16/02/2019

Spare parts CR 32-13-2, Product No. 96122030 Valid from 3.3.2014 (1410)

Pos	Description	Ailliotation	Classification Data	Part no.	Qty.	
•	Base			96547299	1	pc
6	Base				. 1	
80	Chamber stack			96416916		pc
80	Chamber stack				1	l
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		
			Thickness: 1,6			
26b	Hex socket head cap screw					
26a	Strap cpl.		Length (mm): 9	919		
	·		Thread: M8			
44	Suction interconnector cpl.					
	Suction interconnector					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47a	Bearing cpl.					
	Driver					
	Holder					
	Disc spring					
	Bearing ring					
49e	Impeller cpl.					
48	Nut					
70	Split cone					
40h						
49b 49	Impeller					



Pos	Description	Annotation Classification Data	Part no.	Qty	. Un
49c	Wear ring				
49d	Impeller cpl. reduced diameter				
48	Nut				
49b	Split cone				
49a	Impeller				
	Impeller hub				
49c	Wear ring				
51	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
-7.α	Driver				•
	Holder				
	Disc spring				
	Bearing ring		00440504		
	Kit, coupling		96416594	1	pcs
_	Adjusting fork	D: : 00/55			1
8	Coupling cpl.	Dimension: 22/55	1010		1
9	Hex socket head cap screw	Designation: DI	N 912		
		Length (mm): 25			
		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 91	2		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
00	O Tillig	Material type: EPDM			_
		Thickness: 2,4			
38	O-ring	Diameter: 16,3			4
30	O-filing	Material type: EPDM			-
		Thickness: 2,4			
60	Spring	THICKHESS: 2,4			1
60	Spring				4
109	O-ring	B!			1
110	O-ring	Diameter: 21,2			1
		Material type: EPDM			
		Thickness: 3,55			
	Kit, impeller		98497465	1	pcs
48	Nut				1
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



Pos	Description	Annotation	Classification Data	Part no.	_	Ur
48	Nut					1
49b	Split cone					1
49a	Impeller					1
	Impeller hub					
49c	Wear ring					
	Kit, plug			96505136		po
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
			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	р
	Grinding device					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		,	98497453	1	рс
45	Seal ring					14
47d	Lock ring					14
47c	Bush					11
49c	Wear ring					14
65	Top f/neck ring					14
	Motor				1	po
156	Kit, fan			980622		1
151	Kit, fan cover			980622		
156b	Kit, flange			980622		
1000	Kit, lubrication nipple			980625		
156a	Kit, ND-end shield cpl.			980625		
150a 159b	•			980625		
	Kit, seal ring			980623		
176	Kit, terminal board					
164a	Kit, terminal box			980622		
1a	Motor stool			98967671		po
2	Pump head			96587722		pc
3	Upper chamber cpl.			98633863		po
47c	Bulk, Bush (10 pcs)			993211		1
4a	Bulk, Intermediate chamber cpl. (5 pcs)			99262755		po
4a	Intermediate chamber cpl.			99363114		pc
4	Bulk, Intermediate chamber cpl. (3 pcs)			96534939	9	pc
45a	Bulk, Neck ring cpl. (10 pcs)			986865	45	1
45	Bulk, Seal ring (10 pcs)			070	152	17



Pos	•	Annotation	Classification Data		. Un
65	Bulk, Top f/neck ring (10 pcs)			965349	
6	Base cpl.		Rubber type: EPDM	96587692 1	pc
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
	, 3(1)		Material type: EPDM		
			Thickness: 2,4		
7a	Bulk, Socket button head screw (10 pcs)			96549696 4	pc
7	Bulk, Coupling guard (10 pcs)			96603279 2	pc
- 18	Bulk, Air vent screw (5 pcs)			96547461 1	pc
- 18	Air vent screw			95061351 1	pc
25	Bulk, Plug (10 pcs)		B 1 11 BILL1051	96536013 1	pc
26c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704 2	pc
			Thickness: 1,6		
26c	Washer		Designation: DIN 125A	96586880 2	pc
			Thickness: 1,6		
26b	Bulk, Hex socket head cap screw (10 pcs)			98931380 2	pc
26a	Strap cpl.		Length (mm): 919	98983854 2	pc
			Thread: M8		
26	Staybolt		Length (mm): 1056	98976703 4	рс
	•		Thread: M16		•
28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147 4	рс
	- ш, по состоя сер селен (те рес)		Length (mm): 50		F -
			Thread: M10		
28	Bulk, Hex head screw (20 pcs)		Length (mm): 60	97506949 4	рс
20	Baix, Flex flead solew (20 pos)		Thread: M16	37000040 4	Po
32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	08022051 /	nc
32	Buik, Washer (100 pcs)		-	90923031 4	pc
			Internal diameter: 17		
			Outer diameter: 30		
			Thickness: 3		
36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480 4	pc
37	Bulk, O-ring (10 pcs)			96536149 1	pc
38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815 2	pc
			Material type: EPDM		
			Thickness: 2,4		
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727 2	pc
			Material type: EPDM		
			Thickness: 2,4		
44	Suction interconnector cpl.			96547328 1	pc
45	Bulk, Seal ring (10 pcs)			97915217	1
65	Bulk, Top f/neck ring (10 pcs)				1
- 47a	Bulk, Bearing cpl. (5 pcs)			99366796 3	pc
- 47a	Bulk, Bearing cpl. (10 pcs)			96534932 3	pc
49e	Bulk, Impeller cpl. (3 pcs)			98287180 11	pc
49c	Bulk, Wear ring (10 pcs)			96534930	
49e	Bulk, Impeller cpl. (10 pcs)			96534935 11	pc
- 49e	Impeller cpl.			98394455 11	pc
49d	Impeller cpl. reduced diameter			98394463 2	pc
48	Bulk, Nut (3 pcs)				1
48	Bulk, Nut (10 pcs)			99262683	1
48	Bulk, Nut (10 pcs)			96536016	1
49b	Bulk, Split cone (10 pcs)			96536010	1
49a	Bulk, Impeller (10 pcs)			96534937	1
49c	Bulk, Wear ring (10 pcs)			965349	



	Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
				Length (mm): 935,5			
	58	Cover			98893158	1	pcs
	60	Bulk, Spring (20 pcs)			96536032	4	pcs
-	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086	1	pcs
		Adjusting fork			965878	96 1	
	109	Bulk, O-ring (10 pcs)			965475	86 1	
+	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070	1	pcs
	203	Bulk, Lock ring (4 pcs)			96534918	1	pcs