

**Date:** 17/02/2019

Qty. | Description

1 | CRN 32-6-2 A-F-A-E-HQQE



Product No.: 96122360

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade 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

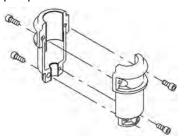
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

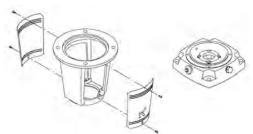
The colour code for the finished product is NCS 9000/RAL 9005.

## **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.



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.



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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.

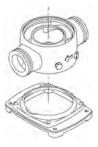




The shaft seal is retained in the pump head by a cover and screws. It can be replaced without removing the motor.

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 pump has a stainless-steel base mounted on a separate base plate. The base and base plate are kept in position by the tension of the staybolts which hold the pump together. 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.

#### **Technical data**

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water



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#### Qty. | Description

Liquid temperature range: -40 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³

#### Technical:

Pump speed on which pump data are based: 2924 rpm

Rated flow: 30 m³/h
Rated head: 84.2 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE
Approvals on nameplate: CE, EAC,ACS

Materials:

Curve tolerance:

Base: Stainless steel

EN 1.4408 AISI 316

ISO9906:2012 3B

Impeller: Stainless steel

EN 1.4401 AISI 316

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 / -40 °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: 160MB
IE Efficiency class: IE3
Rated power - P2: 11 kW
Power (P2) required by pump: 11 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D/660-690Y V Rated current: 20,8-19,8/12,0-11,8 A

Starting current: 660-780 %
Cos phi - power factor: 0.88-0.84
Rated speed: 2940-2950 rpm
Efficiency: IE3 91,2%
Motor efficiency at full load: 91.2-91.2 %
Motor efficiency at 3/4 load: 91.8 %
Motor efficiency at 1/2 load: 91.3 %

Number of poles: 2

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

Insulation class (IEC 85): F

## Others:

Minimum efficiency index, MEI ≥: 0.70 Net weight: 163 kg Gross weight: 196 kg

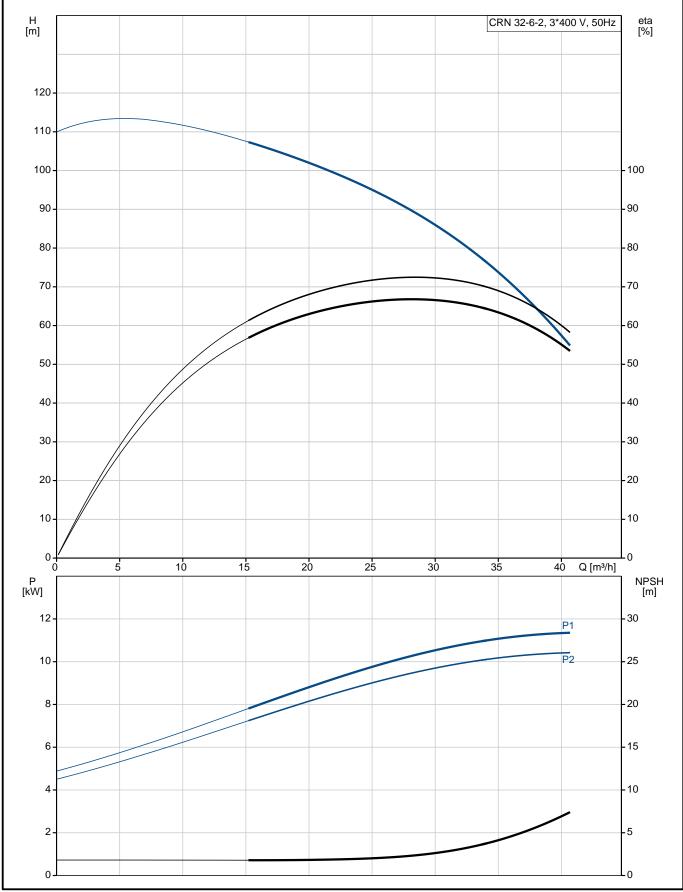


			Date:	17/02/2019	
Qty.	Description				
	Shipping volume: Danish VVS No.:	0.495 m³ 385916062			



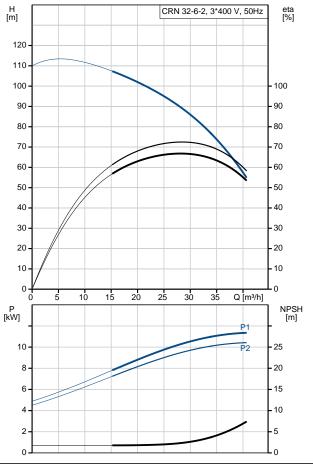
**Date:** 17/02/2019

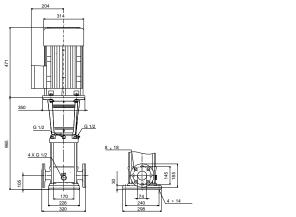
# 96122360 CRN 32-6-2 A-F-A-E-HQQE 50 Hz

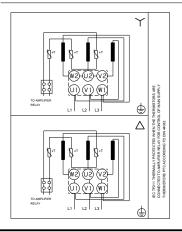




Description	Value
General information:	
Product name:	CRN 32-6-2
Froduct name.	A-F-A-E-HQQE
Product No:	96122360
EAN number:	5700396684048
Technical:	
Pump speed on which pump data are	2924 rpm
based:	·
Rated flow:	30 m³/h
Rated head:	84.2 m
Head max:	109.2 m
Stages:	6
Impellers:	6
Number of reduced-diameter 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: Materials:	В
Base:	Stainless steel
Dase.	EN 1.4408
	AISI 316
Impeller:	Stainless steel
impelier.	EN 1.4401
	AISI 316
Material code:	A A
Code for rubber:	E
Bearing:	SIC
	0.0
Support bearing:	Graflon
Support bearing: Installation:	Graflon
Installation:	Graflon 60 °C
Installation:  Maximum ambient temperature:  Maximum operating pressure:	60 °C
Installation: Maximum ambient temperature:	60 °C 16 bar
Installation:  Maximum ambient temperature:  Maximum operating pressure:	60 °C 16 bar 16 bar / 120 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C
Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  Type of connection:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300
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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300
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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F Water -40 120 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 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: Liquid temperature during operation: Density: Electrical data:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC 160MB IE3
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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC 160MB IE3 11 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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC 160MB IE3 11 kW 11 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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC 160MB IE3 11 kW 11 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:	60 °C 16 bar 16 bar / 120 °C 16 bar / -40 °C DIN DN 65 DN 65 PN 40 FF300 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC 160MB IE3 11 kW 11 kW







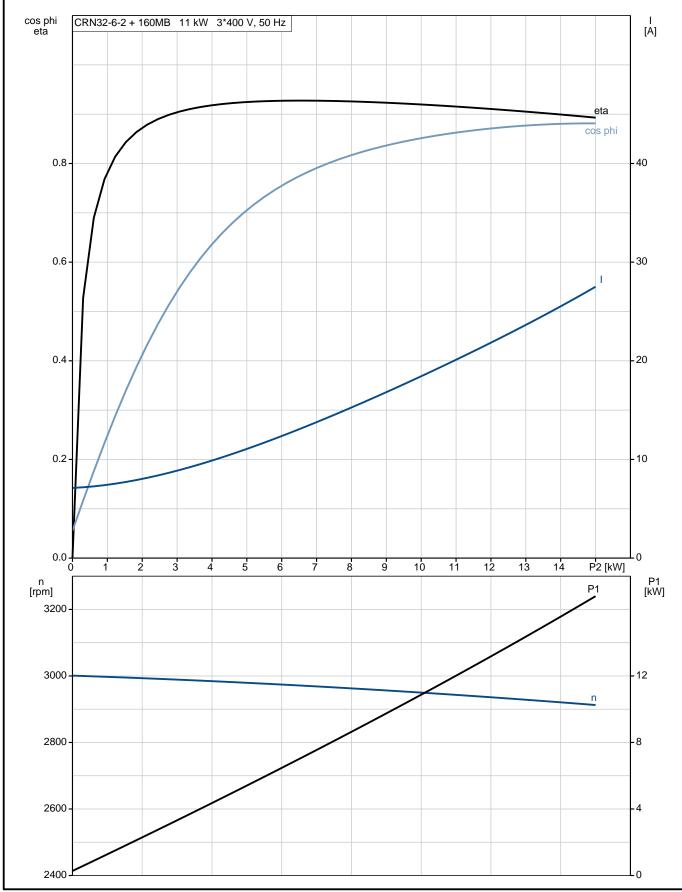


Description	Value
Starting current:	660-780 %
Cos phi - power factor:	0.88-0.84
Rated speed:	2940-2950 rpm
Efficiency:	IE3 91,2%
Motor efficiency at full load:	91.2-91.2 %
Motor efficiency at 3/4 load:	91.8 %
Motor efficiency at 1/2 load:	91.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17524
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	163 kg
Gross weight:	196 kg
Shipping volume:	0.495 m³
Danish VVS No.:	385916062



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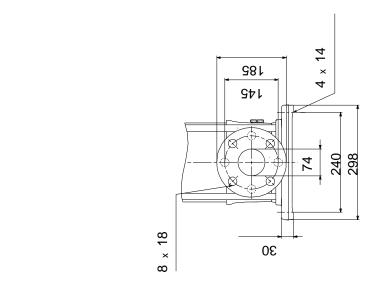
# 96122360 CRN 32-6-2 A-F-A-E-HQQE 50 Hz

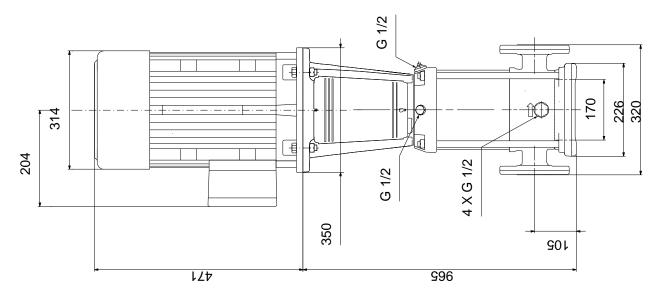




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# 96122360 CRN 32-6-2 A-F-A-E-HQQE 50 Hz





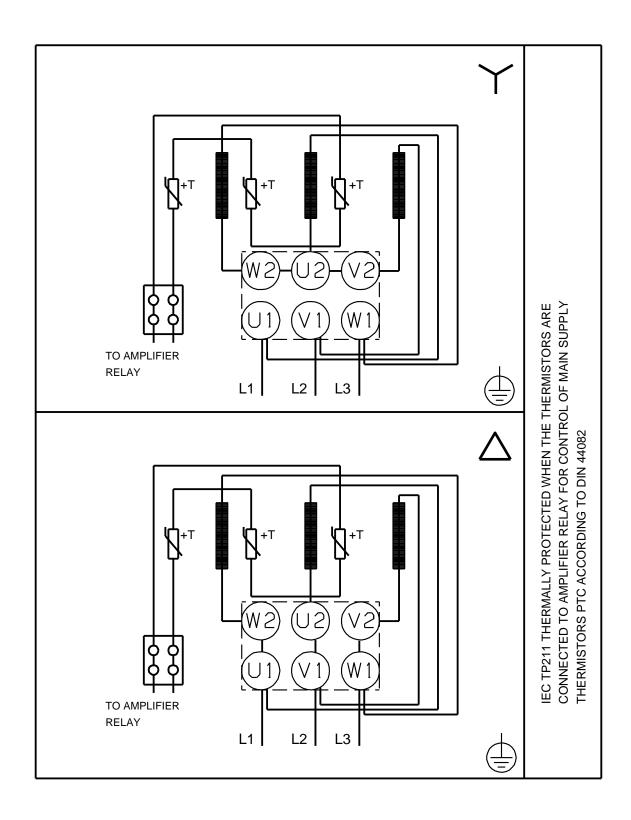
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

17/02/2019

## 96122360 CRN 32-6-2 A-F-A-E-HQQE 50 Hz

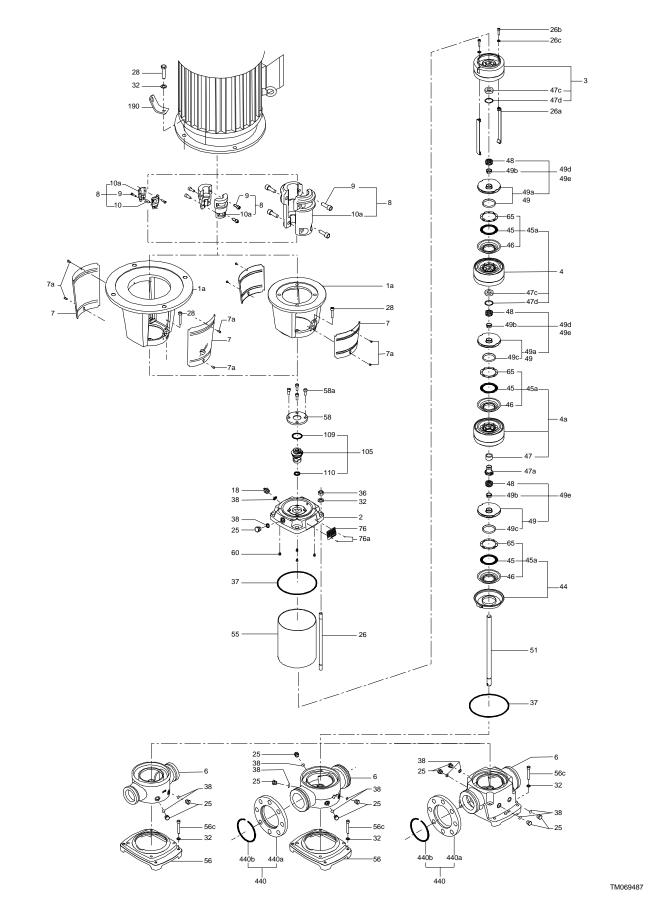


Note! All units are in [mm] unless others are stated.



**Date:** 17/02/2019

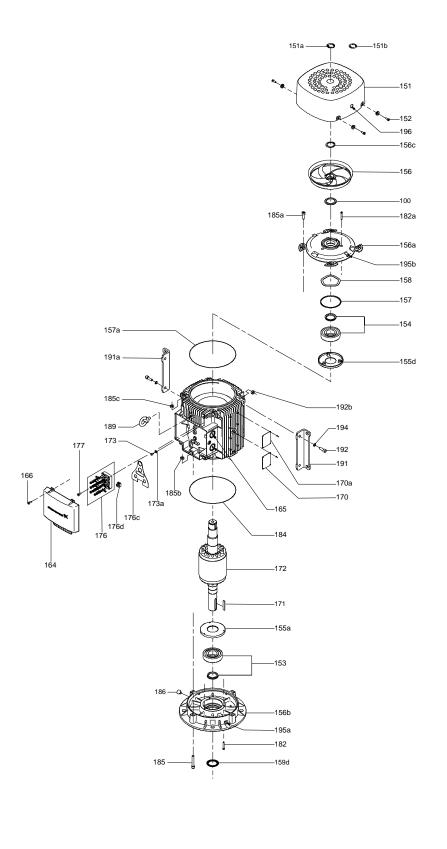
(tm069487 for LACR model B standard)



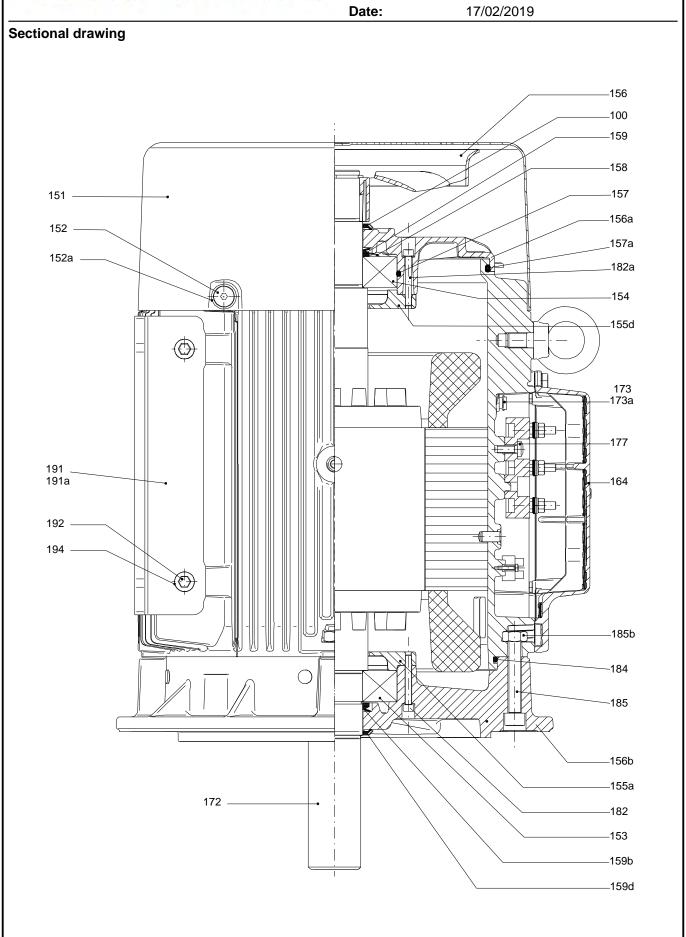


**Date:** 17/02/2019

**Exploded view** 









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# Spare parts CRN 32-6-2, Product No. 96122360 Valid from 3.3.2014 (1410)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
	Base			98925061	1	pcs
6	Base					1
80	Kit, chamber stack			96416922		pcs
80	Chamber stack					1
3	Upper chamber cpl.					
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
47d	Lock ring					
47c	Bush					
4a	Intermediate chamber cpl.					
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
45a	Neck ring cpl.					
47	Bearing					
4	Intermediate chamber cpl.					
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
45a	Neck ring cpl.					
47d	Lock ring					
47c	Bush					
26c	Washer		Designation: D	INI 125Δ		
200	Washer		Thickness: 1,6	114 125/4		
26b	Hex socket head cap screw		11110K11C33. 1,0			
26a	Strap cpl.		Length (mm): 4	120		
20a	Зпар срг.		Thread: M8	129		
44	Suction interconnector cpl.		THI GAU. IVIO			
	•					
44a	Suction interconnector Seal ring					
45 46	Neck ring					
65	Top f/neck ring					
47a	Bearing cpl.					
	Driver					
	Holder					
	Disc spring					
4.5	Bearing ring					
49e	Impeller cpl.					
48	Nut					
49b	Split cone					
49	Impeller					
	Impeller hub					
49c	Wear ring					



Pos	Description description	Annotation	Classification Data	Part no.	Qty	<b>/.</b>	Un
49d	Impeller cpl. reduced diameter						
48	Nut						
49b	Split cone						
49a	Impeller						
	Impeller hub						
49c	Wear ring						
51	Shaft						
	Kit, chambers			98633738	1		рс
4a	Intermediate chamber cpl.					1	
	Guide cup						
	Guide cup						
	Cone						
	Guide						
	Chamber						
	Chamber						
45a	Neck ring cpl.						
47	Bearing					_	
47a	Bearing cpl.					1	
	Driver						
	Holder						
	Disc spring						
	Bearing ring						
	Kit, coupling			96416592	1		рс
	Adjusting fork					1	
8	Coupling cpl.		Dimension: 22/42			1	
9	Hex socket head cap screw		Designation: DII	V 912			
			Length (mm): 25				
			Thread: M10				
10a	Coupling half						
	Kit, coupling guard			96505135	1		рс
7a	Socket button head screw						•
7	Coupling guard						
•	Kit, cover			98832448	1		рс
58a	Hex socket head cap screw		Designation: DIN 91		'		ρc
Jua	Hex socket flead cap sciew		Length (mm): 25			_	
			Thread: M10				
	0		Tilleau. WTU			_	
58	Cover			00440507	_		
	Kit, gaskets			96416597	1		рс
	Adjusting fork						
37	O-ring						
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 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
110	O-ring		Diameter: 21,2			1	
	<u> </u>		Material type: EPDM				
			Thickness: 3,55				
	Kit, impeller			98633780	1		рс
48	Nut			50055760	'		ρŪ
48	Nut Split sons						
49b	Split cone						
49	Impeller					1	
	Impeller hub						
49c	Wear ring						



Pos	Description			Uni
	Kit, Impeller, reduced diamete	98633836	1	pcs
48	Nut		1	
48	Nut		1	
49b	Split cone		1	
49a	Impeller		1	
	Impeller hub			
49c	Wear ring			
	Kit, plug	96505136	1	pcs
18	Air vent screw		1	
	Spindle			
	Plug			
25	Plug		4	ļ
25	Plug		1	
38	O-ring	Diameter: 16,3	2	
		Material type: FKM		-
		Thickness: 2,4		
38	O-ring	Diameter: 16,3	4	l
30	O-mily	Material type: FKM	4	r
		Thickness: 2,4		
20	Oring	· · · · · · · · · · · · · · · · · · ·		
38	O-ring	Diameter: 16,3	6	)
		Material type: FKM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3	2	2
		Material type: EPDM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3	4	ŀ
		Material type: EPDM		
		Thickness: 2,4		
	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		
		Material type: EPDM		
		Thickness: 4,25		
	Kit, wear parts	98497451	1	pcs
45	Seal ring	00.00.101	7	
47d	Lock ring		7	
47c	Bush		5	
49c			7	
	Wear ring		7	
65	Top f/neck ring	05004007	-	
	Motor	85904227		pcs
	Kit, bearing cpl.	967966	/6 1	
32b	Waved washer			
153	Angular-contact bearing			
154	Ball bearing			
157	O-ring			
159	V-ring			
	Kit, bearing plate	967966	64 1	
155.a	Bearing cover			
208a	Gasket			
208	Hex socket head cap screw	Designation: DIN912		
		Length (mm): 40		
		Thread: M5		
	Kit, eyebolt	967967	12 1	
189	Eyebolt	307307	'	
109	Kit, fan	967966	5/ 4	
	rvii, iaii	907900	J+ 1	



Pos	Description Patricip via s	Annotation Classification Data Part no. Q	ty. Ur
156.c	Retaining ring		
156	Fan		
	Kit, fan cover	96796647	' 1
151	Fan cover		
152.a	Rubber bush		
152	Hex head cap screw		
196	Diaphragm		
	Kit, flange	96796662	2 1
156.b	Flange		
159.b	Seal ring		
185.b	Nut		
185	Hex socket head cap screw		
186	Drain plug		
195.a	Grease nipple		
	Kit, gaskets	96798508	3 1
184	O-ring	Diameter: 235	<u> </u>
104	Kit, lubrication nipple	96796671	1
195.b	Grease nipple	30730071	'
195.b	The state of the s		
195.8	Grease nipple	0070000	١ 1
001	Kit, ND-end shield cpl.	96796669	1
32b	Waved washer		
156.a	End shield NDE		
157	O-ring		
159	V-ring		
185.c	Nut		
185.a	Hex socket head cap screw		
195.b	Grease nipple		
	Kit, shaft seal	96843459	1
159.b	V-ring		
159	V-ring		
	Kit, terminal board	96796657	1
	Terminal connection		
	Washer		
36	Hex nut		
173	Torx Screw		
176.d	Terminal board		
176	Terminal board		
177	Torx Screw		
	Kit, terminal box cover	96796659	) 1
164	Terminal box cover	30730000	' '
273a	Pan head thread forming screw	0000004 4	
1a	Motor stool	98993921 1	pc
2	Pump head	98593646 1	рс
3	Upper chamber cpl.	98633870 1	рс
47c	Bulk, Bush (10 pcs)	99321194	
4	Bulk, Intermediate chamber cpl. (3 pcs)	99481487 3	рс
4a	Bulk, Intermediate chamber cpl. (5 pcs)	99262783 2	рс
4	Bulk, Intermediate chamber cpl. (10 pcs)	99481488 3	рс
45a	Bulk, Neck ring cpl. (10 pcs)	96547322	2 1
4	Intermediate chamber cpl.	98633840 3	рс
6b	Base cpl.	Rubber type: EPDM 96587693 1	рс
25	Bulk, Plug (10 pcs)	96536013	
37	Bulk, O-ring (10 pcs)	96536149	
38	Bulk, O-ring (10 pcs)	Diameter: 16,3 99198815	
55	24, 2g (10 p00)	Material type: EPDM	
		Thickness: 2,4	
20	Rulk O ring (50 pgg)		, ,
38	Bulk, O-ring (50 pcs)	Diameter: 16,3 99412727	4
		Material type: EPDM	



	Pos	Description	Annotation	Classification Data Thickness: 2,4	Part no.	Qty.	Unit
	56	Base plate		THICKHESS. 2,4	965876	691 1	1
	7a	Bulk, Socket button head screw (10 pcs)			96549696		pcs
	7	Bulk, Coupling guard (10 pcs)			96603279		pcs
+	8	Coupling cpl.		Dimension: 22/42	96587704		pcs
+	18	Bulk, Air vent screw (5 pcs)		Diffiction. 22/42	96547461		pcs
+	18	Air vent screw			95061351		
_	25	Bulk, Plug (10 pcs)			96536013		pcs
	26c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704		pcs
	200	buik, washer (4 pcs)		Thickness: 1,6	99202704	2	pcs
	26c	Washer		Designation: DIN 125A	06506000	2	200
	200	vvasilei			96586880	2	pcs
	ach	Pulk Hay applied hand can agray (10 pea)		Thickness: 1,6	00024200	2	200
	26b	Bulk, Hex socket head cap screw (10 pcs)		Longth (mm), 120	98931380		pcs
	26a	Strap cpl.		Length (mm): 429	98955912	2	pcs
	00	Otas de alt		Thread: M8	00070005		
	26	Staybolt		Length (mm): 632	98976685	4	pcs
	00 -	Delle Harris and account (00 mas)		Thread: M16	00000470		
	28.a	Bulk, Hex head screw (20 pcs)		B 1 41 BIN 646	96620478		pcs
	28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4	pcs
				Length (mm): 50			
		D II 11/1 (100		Thread: M10		_	
	32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	8	pcs
				Internal diameter: 17			
				Outer diameter: 30			
				Thickness: 3			
	36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480		pcs
	37	Bulk, O-ring (10 pcs)			96536149		pcs
	38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	pcs
				Material type: EPDM			
				Thickness: 2,4			
	38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
				Material type: EPDM			
				Thickness: 2,4			
-	44	Suction interconnector cpl.			98633886		pcs
	45	Bulk, Seal ring (10 pcs)			979152		
	65	Bulk, Top f/neck ring (10 pcs)			965349		l
+	47a	Bulk, Bearing cpl. (5 pcs)			99366796		pcs
+	47a	Bulk, Bearing cpl. (10 pcs)			96534932	2	pcs
	49e	Impeller cpl.			98394326	4	pcs
H	49	Bulk, Impeller (10 pcs)			965349	933 ′	1
	49d	Impeller cpl. reduced diameter			98394466	2	pcs
	48	Bulk, Nut (3 pcs)			992626	680 1	1
	48	Bulk, Nut (10 pcs)			992626	683 1	l
	48	Bulk, Nut (10 pcs)			965360	016 1	l
	49b	Bulk, Split cone (10 pcs)			965360	010 1	I
	49a	Impeller			965473	325 ′	1
	49c	Bulk, Wear ring (10 pcs)			96	53493	0
	55	Outer sleeve		Outer diameter: 197	99051706	1	pcs
				Length (mm): 455,5			-
	58	Cover		<u> </u>	98893158	1	pcs
	60	Bulk, Spring (20 pcs)			96536032		pcs
	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086		pcs
		Adjusting fork		M	965878		•
	109	Bulk, O-ring (10 pcs)			96547		
+	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070		pcs
	203	Bulk, Lock ring (4 pcs)			96534918		pcs
					3000 1010	•	۲۰۰