

Date: 18/02/2019

Qty. | Description

1 | CRN 64-1 A-F-A-E-HQQE



Product No.: 96123775

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

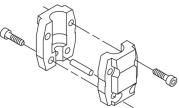
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

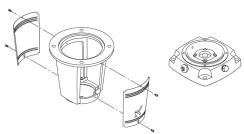
The colour code for the finished product is NCS 9000/RAL 9005.

Pump

A 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.



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)



Date: 18/02/2019

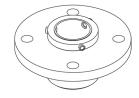
Qty. | Description

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.

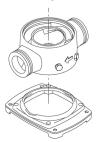




The shaft seal is retained in the pump head by a cover and screws. It can be replaced without removing the motor.

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



Date: 18/02/2019

Qty. | Description

Technical:

Pump speed on which pump data are based: 2919 rpm

Rated flow: 64 m³/h
Rated head: 21.1 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: Stainless steel

EN 1.4408 AISI 316 Stainless steel

Impeller: Stainless stee

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 100
Size of outlet connection: DN 100
Pressure rating for pipe connection: PN 16
Flange size for motor: FF265

Electrical data:

Motor standard: IEC
Motor type: 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: 89.6 %

Number of poles: 2

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

Insulation class (IEC 85): F

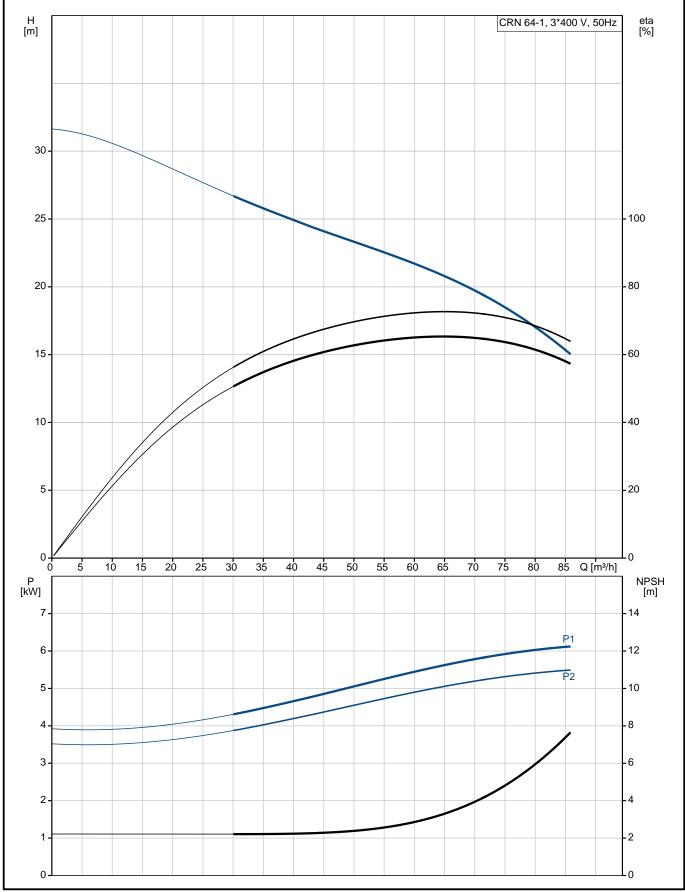
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 103 kg
Gross weight: 126 kg
Shipping volume: 0.309 m³
Danish VVS No.: 385918010



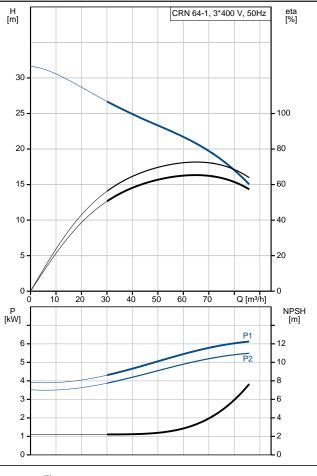
Date: 18/02/2019

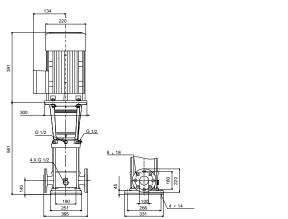
96123775 CRN 64-1 A-F-A-E-HQQE 50 Hz

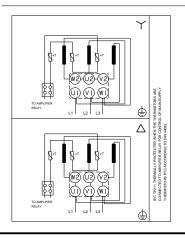




-	
Description	Value
General information:	
Product name:	CRN 64-1
	A-F-A-E-HQQE
Product No:	96123775
EAN number:	5700396700366
Technical:	
Pump speed on which pump data are based:	2919 rpm
******	·
Rated flow:	64 m³/h
Rated head:	21.1 m
Head max:	31.9 m
Stages:	1
Impellers:	1
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE, EAC,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	В
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4401
	AISI 316
Material code:	Α
Code for rubber:	Е
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
	10 0017 120 0
	16 bar / -40 °C
Type of connection:	
Type of connection: Size of inlet connection:	16 bar / -40 °C
	16 bar / -40 °C DIN
Size of inlet connection:	16 bar / -40 °C DIN DN 100
Size of inlet connection: Size of outlet connection:	16 bar / -40 °C DIN DN 100 DN 100
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	16 bar / -40 °C DIN DN 100 DN 100 PN 16
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C
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:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 132SC
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 132SC IE3
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 132SC IE3 5.5 kW
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 132SC IE3 5.5 kW 5.5 kW
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 132SC IE3 5.5 kW 5.5 kW 50 Hz
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: Rated voltage:	16 bar / -40 °C DIN DN 100 DN 100 PN 16 FF265 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC 132SC IE3 5.5 kW 5.5 kW 50 Hz 3 x 380-415D V







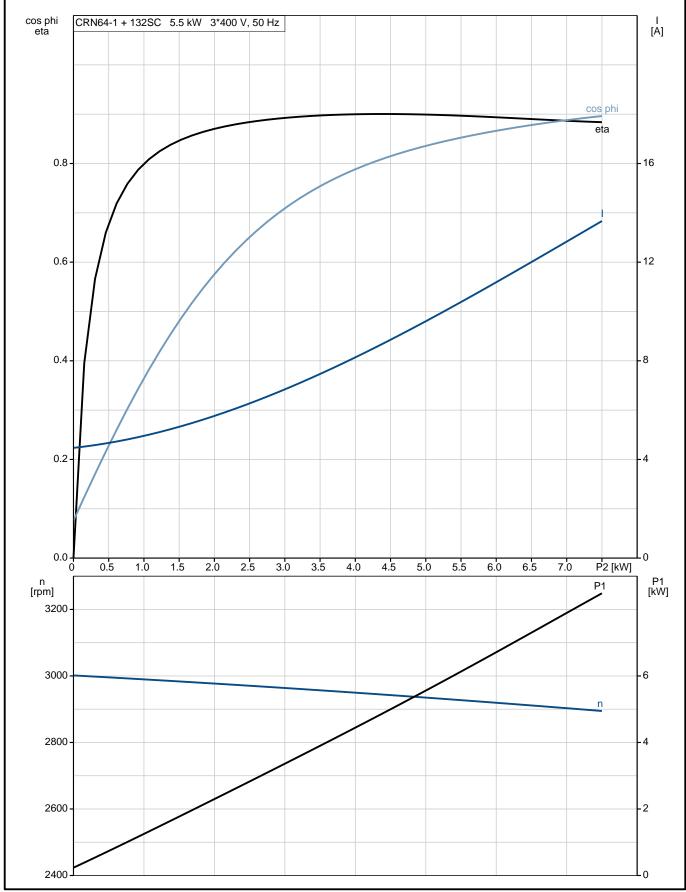


Description	Value
Cos phi - power factor:	0.87-0.82
Rated speed:	2920-2940 rpm
Efficiency:	IE3 89,2%
Motor efficiency at full load:	89.2 %
Motor efficiency at 3/4 load:	90.0 %
Motor efficiency at 1/2 load:	89.6 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17417
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	103 kg
Gross weight:	126 kg
Shipping volume:	0.309 m ³
Danish VVS No.:	385918010



Date: 18/02/2019

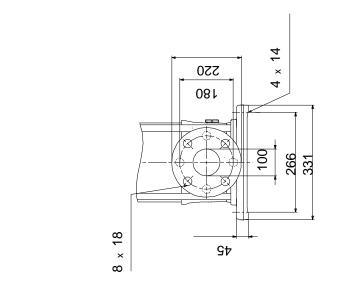
96123775 CRN 64-1 A-F-A-E-HQQE 50 Hz

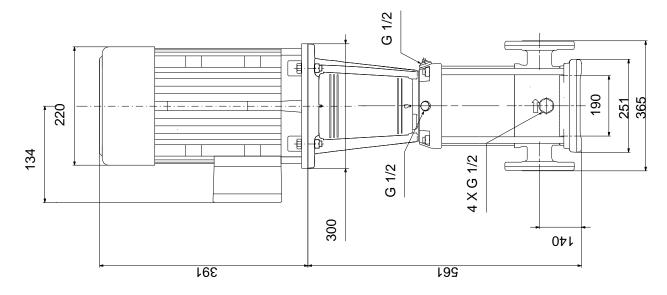




Date: 18/02/2019

96123775 CRN 64-1 A-F-A-E-HQQE 50 Hz



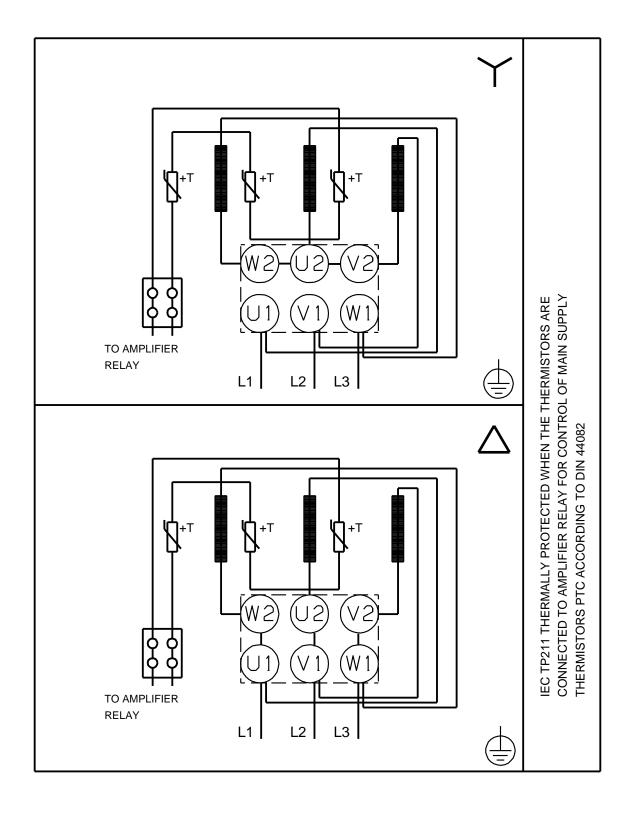


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 18/02/2019

96123775 CRN 64-1 A-F-A-E-HQQE 50 Hz

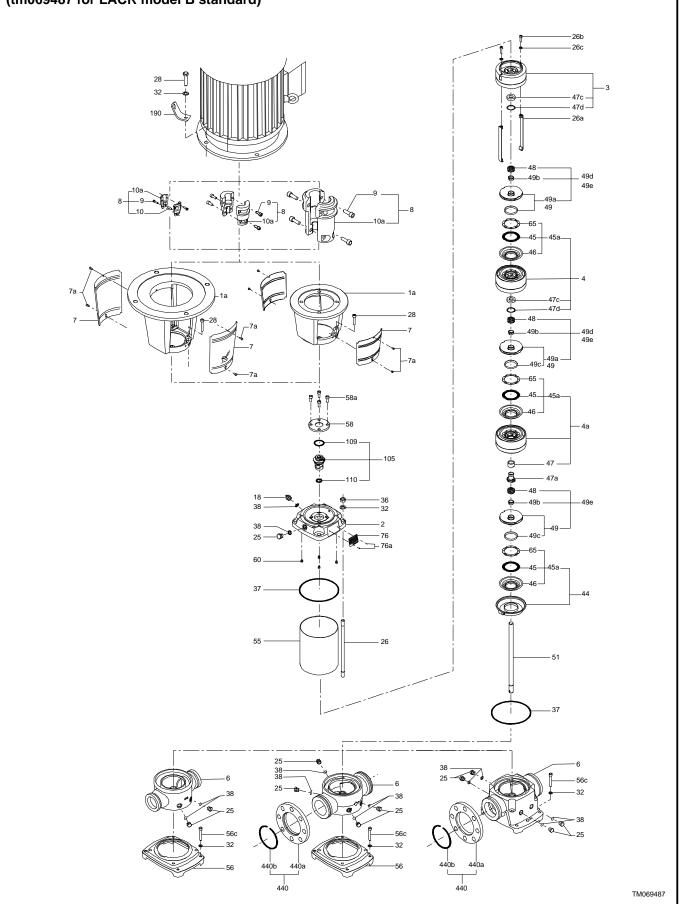


Note! All units are in [mm] unless others are stated.



Date: 18/02/2019

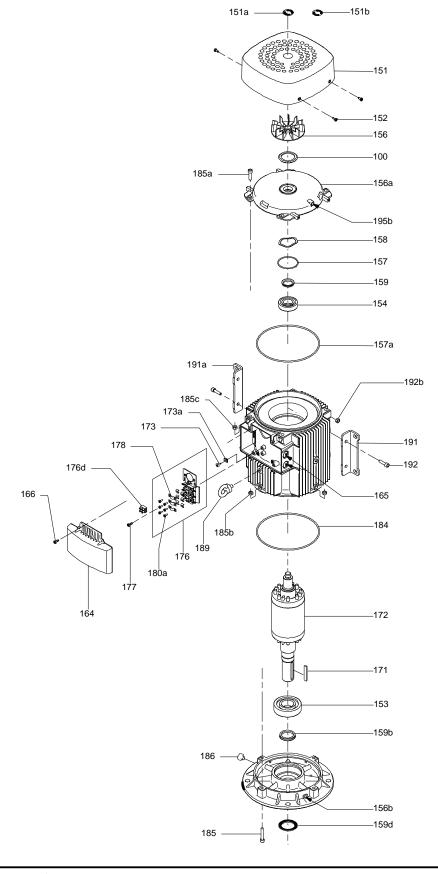
(tm069487 for LACR model B standard)



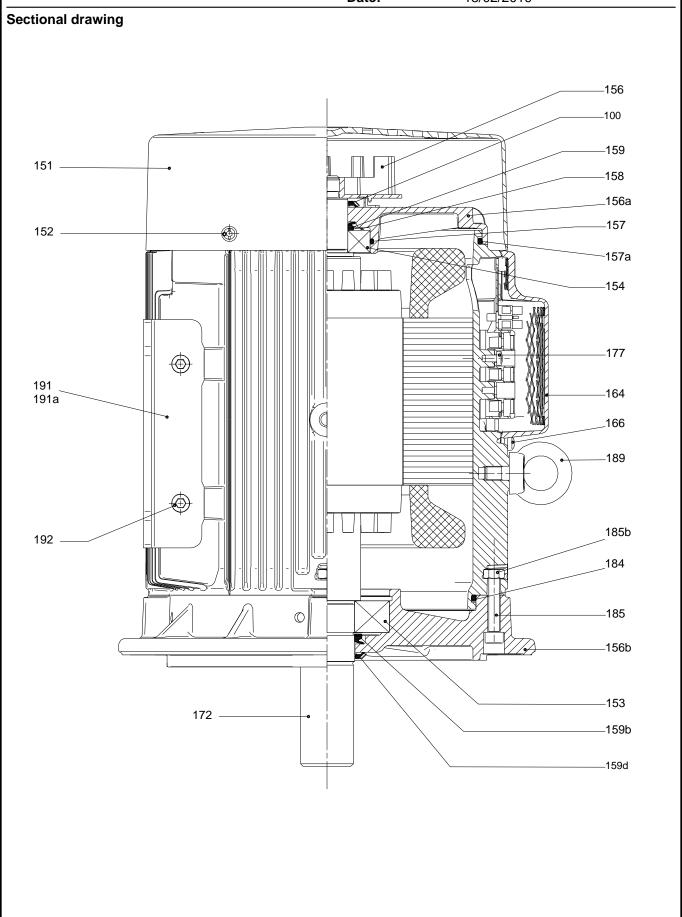


Date: 18/02/2019

Exploded view









Date: 18/02/2019

Spare parts CRN 64-1, Product No. 96123775 Valid from 3.3.2014 (1410)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
				96587697	1	рс
						1
	Kit, chamber stack			96416327	1	рс
	Chamber stack					1
3	Upper chamber cpl.					
	Guide cup					
	Guide cup					
	Cone					
	Guide vane					
	Chamber					
	Chamber					
47	Bearing					
26c			Designation: DIN 125A			
			=			
26b	Hex socket head cap screw					
			Lenath (mm): 92			
	Such ohn					
44	Suction interconnector col		344			
41 a						
470						
49						
51						
				98634076		рс
3						1
	•					
	Guide vane					
	Chamber					
	Chamber					
47	Bearing					
47a	Bearing cpl.					1
	Driver					
	Holder					
	Disc spring					
47f						
-	Kit, coupling			96416591	1	рс
	Adjusting fork			33.10001		1
	Adjusting fork					
	6 80 80 3 47 26c 26b 26a 44 44a 45 46 65 47a 47f 49e 48 49b 49 51 3	80 Kit, chamber stack 80 Chamber stack 3 Upper chamber cpl. Guide cup Guide cup Cone Guide vane Chamber Chamber 47 Bearing 26c Washer 26b Hex socket head cap screw 26a Strap cpl. 44 Suction interconnector cpl. 414 Inlet part 425 Seal ring 436 Neck ring 437 Bearing cpl. Driver Holder Disc spring Bearing ring 447 Hairpin clip 48 Nut 49b Split cone 49 Impeller 1 Impeller hub 49c Wear ring 51 Shaft Kit, chambers 3 Upper chamber cpl. Guide cup Cone Guide vane Chamber 47 Bearing cpl. Driver Holder Disc spring Bearing ring 476 Hairpin clip 496 Umpeller 1 Impeller hub 497 Wear ring 51 Shaft Kit, chambers 51 Shaft Kit, chambers 51 Shaft Kit, chamber Chamber Chamber Chamber Chamber Chamber Chamber Holder Disc spring Bearing ring 47a Bearing cpl. Driver Holder Disc spring Bearing ring Bearing ring Hairpin clip	66 Base 80 Kit, chamber stack 80 Chamber stack 3 Upper chamber cpl. Guide cup Guide cup Cone Guide vane Chamber Chamber 47 Bearing 26c Washer 26b Hex socket head cap screw 26a Strap cpl. 44 Suction interconnector cpl. 44a Inlet part 45 Seal ring 46 Neck ring 65 Top f/neck ring 47a Bearing cpl. Driver Holder Disc spring Bearing ring 47f Hairpin clip 49e Impeller cpl. 48 Nut 49b Split cone 49 Impeller Impeller hub 49c Wear ring 51 Shaft Kit, chambers 3 Upper chamber cpl. Guide cup Cone Guide vane Chamber 47 Bearing 47a Bearing cpl. Guide cup Cone Guide cup Cone Guide cup Cone Guide vane Chamber 47 Bearing 47a Bearing cpl. Driver Holder Disc spring	6 Base 80 Kit, chamber stack 80 Chamber stack 3 Upper chamber cpl. Guide cup Guide cup Cone Guide vane Chamber Chamber 47 Bearing 26c Washer Designation: DIN 125A Thickness: 1,6 26b Hex socket head cap screw 26a Strap cpl. Length (mm): 92 Thread: M8 44 Suction interconnector cpl. 44a Inlet part 45 Seal ring 46 Neck ring 65 Top f/neck ring 47a Bearing cpl. Driver Holder Disc spring Bearing ring 47f Hairpin clip 49e Impeller cpl. 48 Nut 49b Split cone 49 Impeller pub 49c Wear ring 51 Shaft Kit, chambers 3 Upper chamber cpl. Guide cup Cone Guide vane Chamber 47 Bearing qpl. Driver Holder Disc spring Bearing ring 48 Nut 49 Split cone 49 Impeller fub 49c Wear ring 51 Shaft Kit, chambers 3 Upper chamber cpl. Guide cup Guide cup Guide cup Guide vane Chamber Chamber Chamber Holder Disc spring Bearing ring	66 Base 80 Kit, chamber stack 96416327 80 Chamber stack 3 31 Upper chamber cpl. Guide cup 47 Guide cup Cone 47 Bearing Designation: DIN 125A 26c Washer Designation: DIN 125A 26b Hex socket head cap screw Length (mm): 92 26a Strap cpl. Length (mm): 92 444 Suction interconnector cpl. 445 Seal ring 45 Seal ring 46 Neck ring 47a Bearing cpl. 47a Bearing cpl. 47a Bearing ring 47f Hairpin clip 48f Nut 49g Impeller cpl. 48 Nut 49b Split cone 49f Impeller plub 49c Wear ring 51 Shaft Kit, chambers 98634076 3 Upper chamber cpl. <t< td=""><td>66 Base 00 Kit, chamber stack 96416327 1 80 Chamber stack 96416327 1 3 Upper chamber cpt. Guide cup Cone Cone</td></t<>	66 Base 00 Kit, chamber stack 96416327 1 80 Chamber stack 96416327 1 3 Upper chamber cpt. Guide cup Cone Cone



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Ur
			Length (mm): 25			
			Thread: M10			
10a	Coupling		Type: SPACER			1
	Kit, coupling guard			96505134	1	рс
7a	Socket button head screw					4
7	Coupling guard					2
	Kit, cover			98832448	1	рс
58a	Hex socket head cap screw		Designation: DIN 912			4
			Length (mm): 25			
			Thread: M10			
58	Cover					1
	Kit, gaskets			96416599	1	рс
	Adjusting fork					1
37	O-ring					2
38	O-ring		Diameter: 16,3			2
	<u> </u>		Material type: EPDM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			4
-	<u> </u>		Material type: EPDM			
			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		771101111000. 0,00	98634079	1	рс
48	Nut			30034073		1
48	Nut					1
49b	Split cone					1
49	Impeller					' 1
70	Impeller hub					•
49c	Wear ring					
700	Kit, plug			96505136	1	рс
18	Air vent screw			30303130		ρυ 1
10	Spindle					'
	Plug					
25						4
25	Plug					1
	Plug		Diameter: 16,3			2
38	O-ring		Material type: FKM			_
			• •			
20	O ring		Thickness: 2,4			4
38	O-ring		Diameter: 16,3			4
			Material type: FKM			
00	O site as		Thickness: 2,4			_
38	O-ring		Diameter: 16,3			6
			Material type: FKM			
00	O site a		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		рс
	Grinding device					1
105	Shaft seal		Material type: HQQE			1
	Adjusting fork					
109	O-ring					



Pos	Description		/. t	Jn
110	O-ring	Diameter: 21,5		
		Material type: EPDM		
		Thickness: 4,25		
	Kit, wear parts	98497494 1	р	ocs
45	Seal ring		2	
47d	Lock ring		2	
47c	Bush		1	
49c	Wear ring		2	
65	Top f/neck ring		2	
	Motor	85904020 1	р	ocs
	Kit, bearing cpl.	96279803	1	
111	Ball bearing	Designation: 6206.2Z.C3.SYN	-	
153	Angular-contact bearing	555/g/lation: 5255/22.55/57/14		
157	O-ring	Diameter: 62		
107	O filing	Material type: NBR		
		Thickness: 3		
158	Waved washer	THICKHESS. 3		
156		00070700	_	
450	Kit, end shield	96279790	1	
156a	End shield			
157	O-ring	Diameter: 62		
		Material type: NBR		
		Thickness: 3		
158	Waved washer			
159a	Seal ring			
	Kit, eyebolt	96279825	1	
189	Eyebolt			
	Kit, fan	96279758	1	
156	Fan			
159c	Seal ring			
159a	Seal ring			
	Kit, fan cover	96279756	1	
151b	Label	00210100	•	
1510	Fan cover			
152				
152	Pan head thread forming screw	00070704	,	
450	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			
159c	Seal ring			
	Kit, staybolts	96279793	1	
181	Pan head staybolt			
	Kit, terminal board	96279769	1	
173a	Base	30210100	•	
173	Pan head thread forming screw	Designation: COMBI TORX T25		
	Slot cheese head screw			
176	SIOL GREESE READ SCIEW	Designation: COMBI 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	



Pos 164	Description	Annotation	Classification Data	Part no.	Qty.	Unit
166	Terminal box cover w/gasket Pan head thread forming screw					
100 1a	Motor stool			96547431	1	200
2	Pump head			96587726		pcs
+ 3	Bulk, Upper chamber cpl. (5 pcs)			99262910		
						pcs
7a 7	Bulk, Socket button head screw (10 pcs)			96549696		pcs
	Bulk, Coupling guard (10 pcs)		Di	96603300		pcs
+ 8	Coupling cpl.		Dimension: 22/38	96587705		pcs
+ 18	Bulk, Air vent screw (5 pcs)			96547461		pcs
+ 18	Air vent screw			95061351		pcs
25	Bulk, Plug (10 pcs)			96536013		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			
26b	Bulk, Hex socket head cap screw (10 pcs)			98931380	2	pcs
26a	Strap cpl.		Length (mm): 92	98983896	2	pcs
			Thread: M8			
26	Staybolt		Length (mm): 313	98976740	4	pcs
			Thread: M16			
28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4	pcs
			Length (mm): 50			
			Thread: M10			
28	Bulk, Hex head screw (20 pcs)		Length (mm): 45 MM	96620474	4	pcs
			Thread: M12			
36	Bulk, Nut (20 pcs)		Thread: M12	96620479	4	pcs
37	Bulk, O-ring (10 pcs)		Diameter: 216	96536144	1	pcs
	,		Material type: FKM			•
			Thickness: 4			
38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	4	pcs
	, 3(1),		Material type: EPDM			•
			Thickness: 2,4			
38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198813	2	pcs
	Dami, C imig (10 poo)		Material type: FKM	33.333.3	_	Poo
			Thickness: 2,4			
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	4	pcs
- 00	Built, O fing (60 poo)		Material type: EPDM	00412727		poo
			Thickness: 2.4			
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412883	2	ncc
30	Bulk, O-Hing (50 pcs)		Material type: FKM	99412003	2	pcs
			* * *			
4.4	Custian intersegue actor and		Thickness: 2,4	00004450	,	
44	Suction interconnector cpl.			98634153		pcs
45	Bulk, Seal ring (10 pcs)			965360		
65	Bulk, Top f/neck ring (10 pcs)			965360		
- 47a	Bulk, Bearing cpl. (5 pcs)			99270651		pcs
49b	Bulk, Split cone (10 pcs)			96536010		pcs
49c	Bulk, Wear ring (10 pcs)			96535879		pcs
55	Outer sleeve			98820382		pcs
56	Base plate			96587696		pcs
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		
105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070		pcs
440b	Bulk, Lock ring (4 pcs)			96547435		pcs