

Date: 18/02/2019

Qty. | Description

1 | CRN 150-3 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 95922410

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. 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

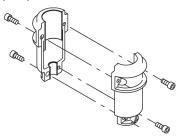
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

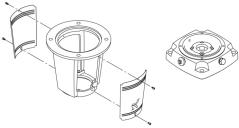
A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



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.

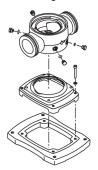




The shaft seal is retained in the pump head by a cover and screws. It can be replaced without removing the motor.

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 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.



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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

Technical:

Pump speed on which pump data are based: 2957 rpm

Rated flow: 150 m³/h
Rated head: 64.2 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

Impeller: Stainless steel

EN 1.4401 AISI 316

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 / -40 °C

Type of connection: DIN
Size of inlet connection: DN 125
Size of outlet connection: DN 125
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: 37 kW
Power (P2) required by pump: 37 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 68,0-63,0/39,0-36,0 A



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Qty. | Description

Starting current: 670-670 %

Cos phi - power factor: 0.88

Rated speed: 2955 rpm

Efficiency: IE3 93,7%

Motor efficiency at full load: 93.7-93.7 %

Motor efficiency at 3/4 load: 93.9-93.9 %

Motor efficiency at 1/2 load: 93.5-93.5 %

Number of poles: 2

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

Insulation class (IEC 85): F

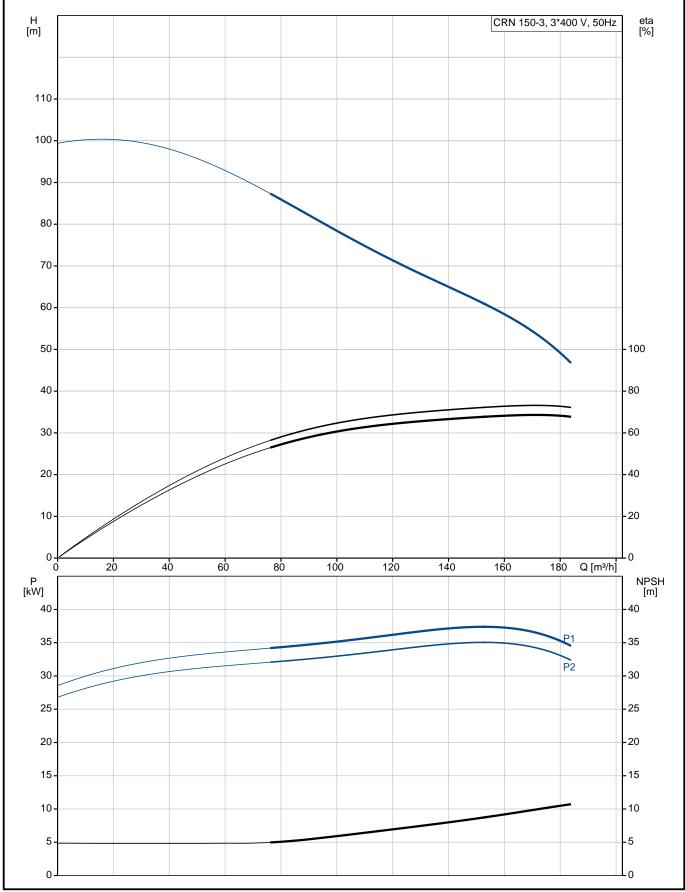
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 382 kg
Gross weight: 459 kg
Shipping volume: 1.32 m³



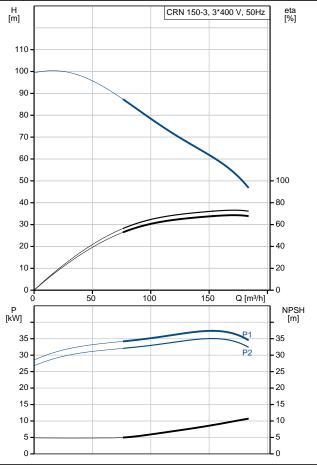
Date: 18/02/2019

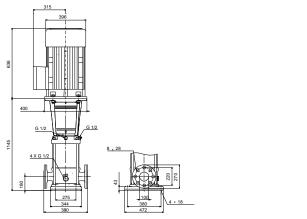
95922410 CRN 150-3 A-F-A-E-HQQE 50 Hz

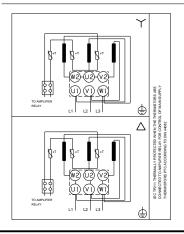




Description	Value
General information:	
Product name:	CRN 150-3
	A-F-A-E-HQQE
Product No:	95922410
EAN number:	5700838936308
Technical:	
Pump speed on which pump data are based:	2957 rpm
	·
Rated flow:	150 m³/h
Rated head:	64.2 m
Head max:	98.1 m
Stages:	3
Impellers:	3
Number of reduced-diameter impellers:	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:	A
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4401
	AISI 316
Material code:	A
Code for rubber:	E
Bearing:	SIC
	0 "
Support bearing:	Graflon
Installation:	
Installation: Maximum ambient temperature:	55 °C
Installation: Maximum ambient temperature: Maximum operating pressure:	55 °C 30 bar
Installation: Maximum ambient temperature:	55 °C 30 bar 30 bar / 120 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125
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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 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: Liquid:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 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: Liquid temperature during operation: Density:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS
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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 37 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 37 kW 37 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 37 kW 37 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:	55 °C 30 bar 30 bar / 120 °C 30 bar / -40 °C DIN DN 125 DN 125 PN 40 FF350 F Water -40 120 °C 20 °C 998.2 kg/m³ IEC SIEMENS IE3 37 kW 37 kW







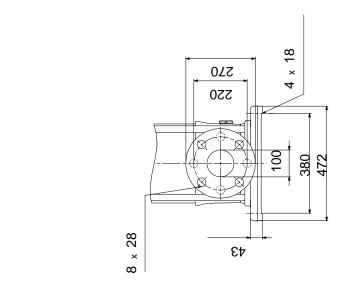


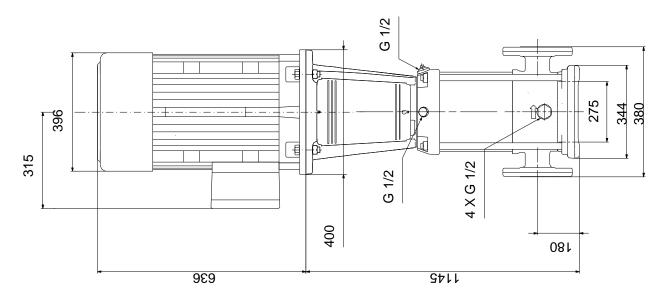
Description	Value
Starting current:	670-670 %
Cos phi - power factor:	0.88
Rated speed:	2955 rpm
Efficiency:	IE3 93,7%
Motor efficiency at full load:	93.7-93.7 %
Motor efficiency at 3/4 load:	93.9-93.9 %
Motor efficiency at 1/2 load:	93.5-93.5 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15334
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	382 kg
Gross weight:	459 kg
Shipping volume:	1.32 m³



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95922410 CRN 150-3 A-F-A-E-HQQE 50 Hz



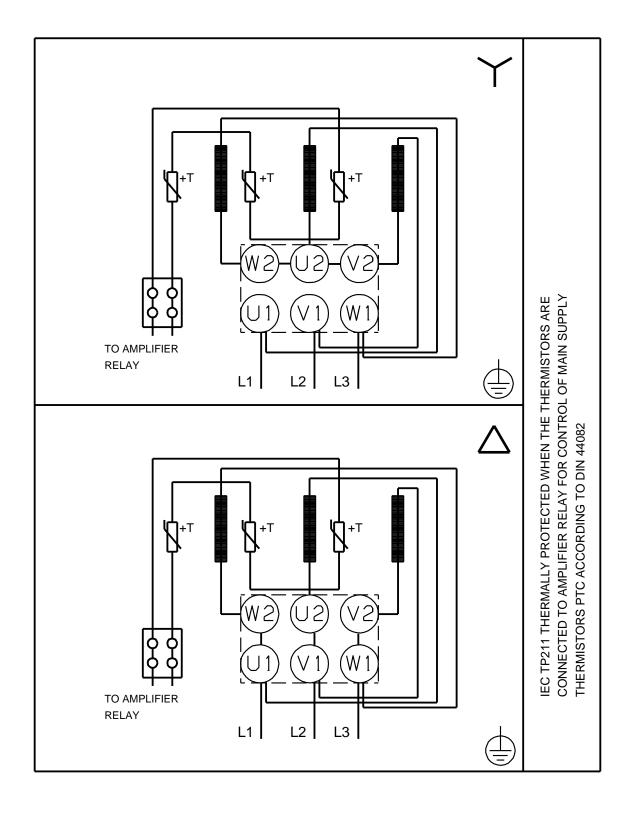


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 18/02/2019

95922410 CRN 150-3 A-F-A-E-HQQE 50 Hz



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



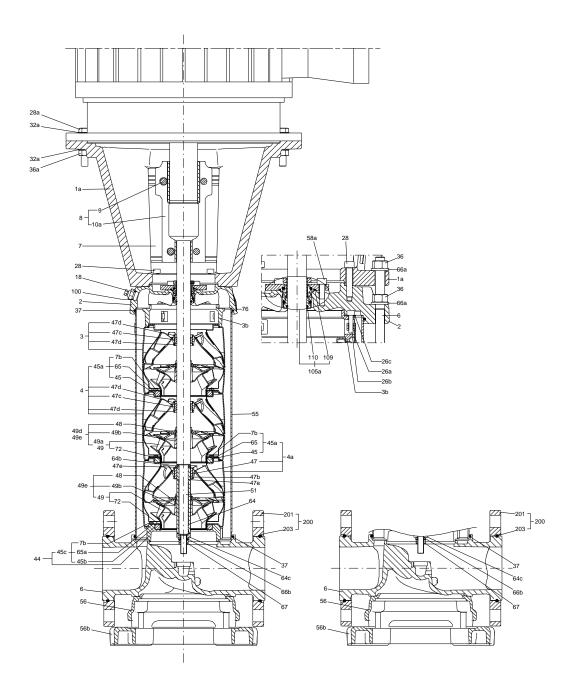
Date: 18/02/2019

(TM065565 XLCR) -26b -26c 47d -47c -47d -65 -47c -47d 66a 58a 58 36 66a -23 -100 -60 -47e -47b -64



Date: 18/02/2019

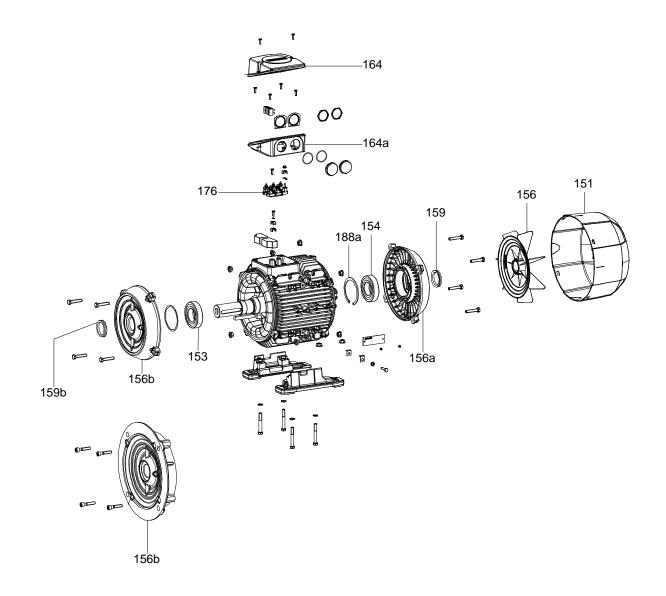
(TM065579 XLCR)





Date: 18/02/2019

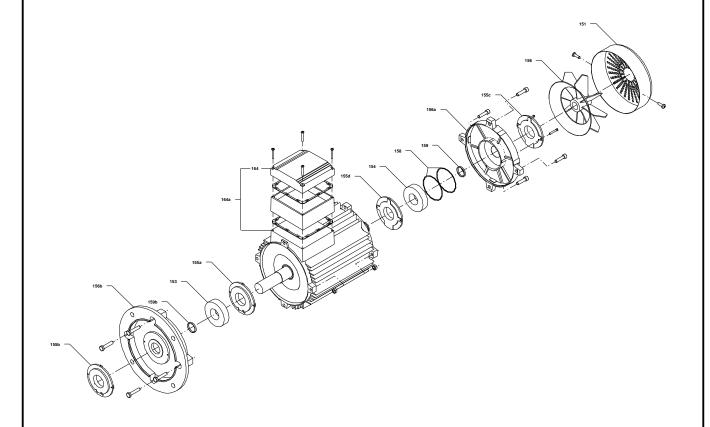
(TM058162)





Date: 18/02/2019

(tm019382 3200)



TM019382



Date: 18/02/2019

Spare parts CRN 150-3, Product No. 95922410 Valid from 31.3.2011 (1113)

Pos	Description Race	Aimotation	Classification Data	Part no. 96587699	Qty.	
	Base Kit hassing					рс
	Kit, bearing			96752215		рс
	Adjusting fork				1	
	Adjusting fork				1	
47e	Washer		Internal diameter: D	22	2	2
			Outer diameter: D32			
47b	Bearing ring, rotating				1	
	Kit, chamber stack			95059862		рс
80	Chamber stack				1	1
	Shaft cpl.		Diameter: D22			
			Length (mm): 731,5			
47e	Washer		Internal diar	neter: D22		
			Outer diameter: D32			
47b	Bearing ring, rotating					
51	Pump shaft		Diameter: D	22		
			Length (mm): 731,5			
64c	Spacer ring					
64b	Wedge lock washer					
64b	Lock washer					
64	Spacing bush					
67	Hex nut		Thread: M14	4		
3	Chamber cpl.					
47d	Locking ring					
47c	Bush					
4a	Chamber cpl.					
	O-ring		Diameter: 4	2		
	- ····9		Material type: FKM			
			Thickness: 4			
7a	Cross recess Pan head screw					
45	Neck ring					
47	Bearing ring					
65a	Retainer					
4	Chamber cpl.					
7a	Cross recess Pan head screw					
45	Neck ring					
47d	Locking ring					
47c	Bush					
65a	Retainer					
7a	Cross recess Pan head screw					
26c	Washer		Designation: DII	VI 125∆		
200	v v a o i i o i		Thickness: 1,6	1 120/1		
26b	Hex socket head cap screw		11110N11033. 1,U			
26a	Strap cpl.		Length (mm): 51	16.5		
44a	Discharge part		Lengui (min). 5	10,5		
44	Inlet part					
456	Inlet part					
45b	Neck ring					
49e	Impeller cpl.					
49c	Wear ring					
65a	Retainer					
	Kit, chambers			96751985	1	рс
	Adjusting fork				1	



Pos	•	Annotation	Classification Data	Part no.	Qty.	
4a	Chamber cpl.		D'			1
	O-ring		Diameter: 42			
			Material type: FKM Thickness: 4			
7a	Cross recess Pan head screw		THICKNESS. 4			
45	Neck ring					
47	Bearing ring					
65a	Retainer					
osa	Kit, coupling			96416594	1	ncc
	Adjusting fork			90410394		pcs 1
8	Coupling cpl.		Dimension: 22/55		,	
9	Hex socket head cap screw		Designation: DI	N 012		'
9	riex socket flead cap screw		Length (mm): 25	11 312		
			Thread: M10			
10a	Coupling half		Tilleau. WTO			
IUa	Kit, coupling guard			96505135	1	pcs
7a	Socket button head screw			90303133	1	•
7 7	Coupling guard				2	
-	Kit, cover			98832448	1	
	Kit, gaskets			95059804		pcs
				55055004	1	pcs
	Adjusting fork Adjusting fork					! 1
37	O-ring				2	
38			Diameter: 16.2			<u>^</u> 1
30	O-ring		Diameter: 16,3 Material type: EPDM			+
			Thickness: 2,4			
38	O ring		Diameter: 16,3		,	2
30	O-ring				4	<u> </u>
			Material type: EPDM Thickness: 2,4			
60	Spring		THICKHESS. 2,4			1
109	O-ring					†
109	O-ring		Material type: EPDN	1		1
110	O-ring		iviateriai type. LFDi	VI		1
110	O-ring		Diameter: 21,5			1
110	O-ning		Material type: EPDM			ı
			Thickness: 4,25			
	Kit, plug		1111CK11655. 4,25	96505136	1	pcs
18	Air vent screw			30303130		1
10	Spindle					'
	Plug					
25	Plug				4	1
25	Plug					1
38	O-ring		Diameter: 16,3			2
	- ····g		Material type: FKM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3		4	1
	- ····g		Material type: FKM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3		6	3
	- ····ʊ		Material type: FKM			-
			Thickness: 2,4			
38	O-ring		Diameter: 16,3		•	2
30			Material type: EPDM			-
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			1
50	○ IIIIg		Material type: EPDM			т
			Thickness: 2,4			
			ON 1000. Z,7			



	Description		_	Ur
	Shaft cpl.	Diameter: D22	1	
		Length (mm): 731,5		
47e	Washer	Internal diameter: D22		
		Outer diameter: D32		
47b	Bearing ring, rotating			
51	Pump shaft	Diameter: D22		
		Length (mm): 731,5		
64c	Spacer ring			
64b	Wedge lock washer			
64b	Lock washer			
64	Spacing bush			
67	Hex nut	Thread: M14		
47e	Washer	Internal diameter: D22	2	
		Outer diameter: D32		
47b	Bearing ring, rotating		1	
51	Pump shaft	Diameter: D22	1	
		Length (mm): 731,5		
64c	Spacer ring		1	
64b	Wedge lock washer		1	
64b	Lock washer		1	
64	Spacing bush		1	
67	Hex nut	Thread: M14	1	
	Kit, shaft seal HQQE	96525458 1	-	рс
	Grinding device	33320100	1	
105	Shaft seal	Material type: HQQE	1	
100	Adjusting fork	Material type. Heet		
109	O-ring			
110	O-ring	Diameter: 21,5		
110	O-filig	Material type: EPDM		
		Thickness: 4,25		
	Kit, wear parts	95059810 1		nc
	Adjusting fork	93039010 1	1	рс
	Adjusting fork Adjusting fork		1	
7a	Cross recess Pan head screw		9	
45	Neck ring		3	
47d	Locking ring		4	
47c	Bush		2	
47b	Bearing ring, rotating		1	
49c	Wear ring		3	
65a	Retainer		3	
	Bulk, Gasket (10 pcs)	99158755 1		рс
	Motor	1		рс
156	Kit, fan	98062265		
151	Kit, fan cover	98062275		
156b	Kit, flange	98062279		
	Kit, lubrication nipple	98062531		
156a	Kit, ND-end shield cpl.	98062517	1	
159b	Kit, seal ring	98062551	1	
176	Kit, terminal board	98062236	1	
164a	Kit, terminal box	98062262	1	
	Motor	1		рс
153	Angular-contact bearing	Designation: 7312B 00ID0375	1	•
	Bearing cover	96474946	1	
155b	Bearing cover	96474946		
155b 155d				
155d		96474950	2	
155d 158	Corrugated spring	96474950 98678160		
155d		96474950 98678160 96474949	1	



Pos	Description	Annotation	Classification Data	Part no.	Qty.	
151	Fan cover			966096		1
176	Terminal board cpl.			964764		
164	Terminal box cover			986427		
164a	Terminal box cpl.			986427	′32	1
159	V-ring			964749		
154	Ball bearing		Designation: 6312.C	3 984661	29	1
1a	Motor stool			98967671	1	pcs
2	Pump head			97789459	1	pcs
+ 3	Chamber cpl.			98371405	1	pcs
+ 4a	Chamber cpl.			98371409	1	pcs
- 4	Chamber cpl.			98371407	1	pcs
65a	Retainer			984616		1
6	Base			97974018		pcs
7a	Bulk, Socket button head screw (10 pcs)			96549696		
7 7	Bulk, Coupling guard (10 pcs)			96603279		pcs
						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	4	pcs
			Thickness: 1,6			
26c	Washer		Designation: DIN 125A	96586880	4	pcs
			Thickness: 1,6			
26b	Bulk, Hex socket head cap screw (10 pcs)			98931380	4	pcs
26a	Strap cpl.		Length (mm): 516,5	98984445	4	pcs
26	Staybolt		Length (mm): 745,5	98976648	4	pcs
	•		Thread: M 16			
28	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4	pcs
	zum, men esemen mena eap eenem (me pee)		Length (mm): 50		-	
			Thread: M10			
28	Bulk, Hex head screw (20 pcs)		Length (mm): 60	97506949	1	ncc
20	buik, Hex Head Sciew (20 pcs)		Thread: M16	97300949	-	pcs
20	Dulle Machan (400 mac)			00000054	_	
32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	Ö	pcs
			Internal diameter: 17			
			Outer diameter: 30			
			Thickness: 3			
36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480	4	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			
44a	Discharge part		- ,	99052574	1	pcs
+ 44	Inlet part			99106112		pcs
+ 49e	Bulk, Impeller cpl. (5 pcs)			96915630		pcs
	Impeller cpl. (5 pcs)			96903236		
			Outor diameter: 205			pcs
55	Outer sleeve		Outer diameter: 225	98676211		pcs
			Length (mm): 540			
56b	Base plate			99048161		pcs
56	Base plate			97789433		pcs
58	Cover			98893158		pcs
60	Bulk, Spring (20 pcs)			96536032	4	pcs
65a	Retainer			98461640	1	pcs
105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086	1	pcs
	Adjusting fork		• ,	965878		1
109	Bulk, O-ring (10 pcs)			965475		1
+ 105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070		pcs
440b	Bulk, Lock ring (4 pcs)		a.onar typo. maac	96547435		•
4400	Duin, Lock Illig (4 pcs)			30347433		pcs