

**Date:** 18/02/2019

Qty. | Description

1 | CR 120-5-1 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 95922155

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

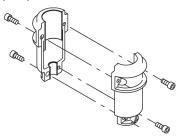
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

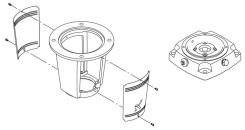
A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



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.

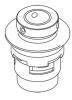
#### Primary seal:

- 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.

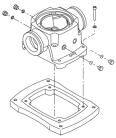




The shaft seal is retained in the pump head by a cover and screws. It can be replaced without removing the motor.

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 and mounted on a separate cast-iron base plate. 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.



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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.

A variable speed drive makes adjustment of pump performance to any duty point possible. If the motor is to be connected to a variable speed drive, the pump must be ordered with an electrically insulated motor bearing.

#### **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: 2960 rpm

Rated flow: 120 m³/h
Rated head: 107.1 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: 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 125
Size of outlet connection: DN 125
Pressure rating for pipe connection: PN 40
Flange size for motor: FF400

Electrical data:

Motor standard: IEC
Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 45 kW
Power (P2) required by pump: 45 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 81,0-74,0/47,0-43,0 A

Starting current: 690-690 % Cos phi - power factor: 0.89



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### Qty. | Description

Rated speed: 2960 rpm
Efficiency: IE3 94,0%
Motor efficiency at full load: 94.0-94.0 %
Motor efficiency at 3/4 load: 94.5-94.5 %
Motor efficiency at 1/2 load: 94.4-94.4 %

Number of poles: 2

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

Insulation class (IEC 85): F

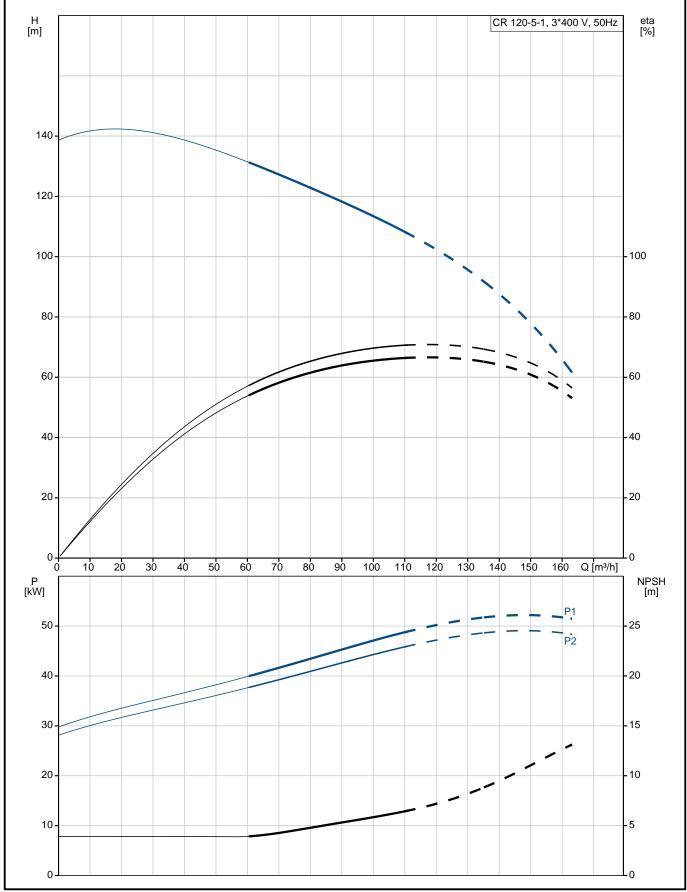
#### Others:

Minimum efficiency index, MEI ≥: 0.70 Net weight: 487 kg Gross weight: 564 kg Shipping volume: 1.32 m³



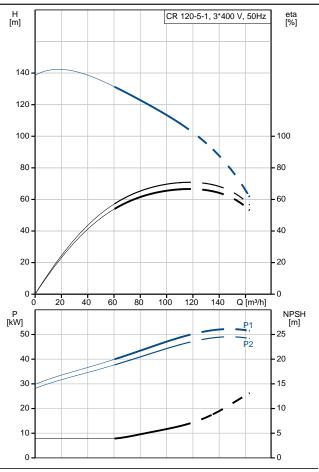
**Date:** 18/02/2019

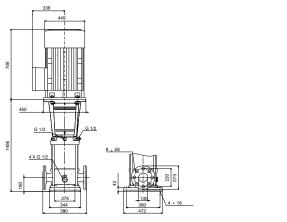
## 95922155 CR 120-5-1 A-F-A-E-HQQE 50 Hz

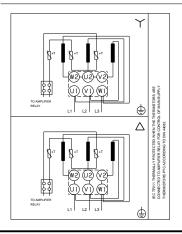




Description	Value
General information:	
Product name:	CR 120-5-1
	A-F-A-E-HQQE
Product No:	95922155
EAN number:	5700838933642
Technical:	
Pump speed on which pump data are	2960 rpm
based:	·
Rated flow:	120 m³/h
Rated head:	107.1 m
Head max:	137.1 m
Stages:	5
Impellers:	5
Number of reduced-diameter impellers:	1
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:	Α
Model:	A
Materials:	
Base:	Cast iron
	EN 1563 EN-GJS-500-7
	ASTM A536 80-55-06
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Material code: Code for rubber:	A E
	• •
Code for rubber:	E
Code for rubber: Bearing:	E SIC
Code for rubber: Bearing: Support bearing:	E SIC
Code for rubber: Bearing: Support bearing: Installation:	E SIC Graflon
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature:	E SIC Graflon
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	E SIC Graflon 55 °C 30 bar
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	E SIC Graflon 55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 45 kW 45 kW
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 45 kW 45 kW 50 Hz 3 x 380-420D/660-725Y
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / -30 °C DIN DN 125 DN 125 PN 40 FF400 F  Water -30 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 45 kW 45 kW 50 Hz







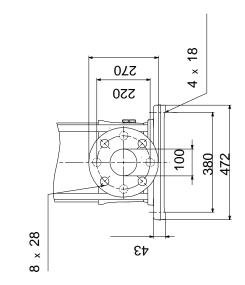


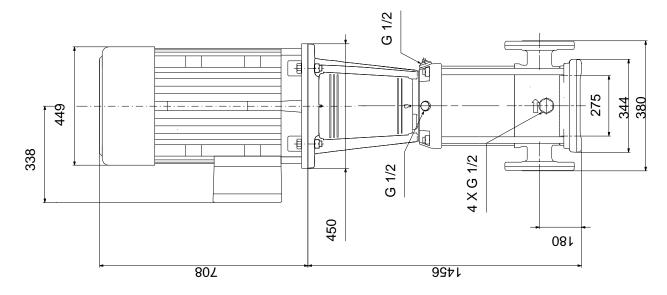
Description	Value
Starting current:	690-690 %
Cos phi - power factor:	0.89
Rated speed:	2960 rpm
Efficiency:	IE3 94,0%
Motor efficiency at full load:	94.0-94.0 %
Motor efficiency at 3/4 load:	94.5-94.5 %
Motor efficiency at 1/2 load:	94.4-94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15336
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	487 kg
Gross weight:	564 kg
Shipping volume:	1.32 m³



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# 95922155 CR 120-5-1 A-F-A-E-HQQE 50 Hz



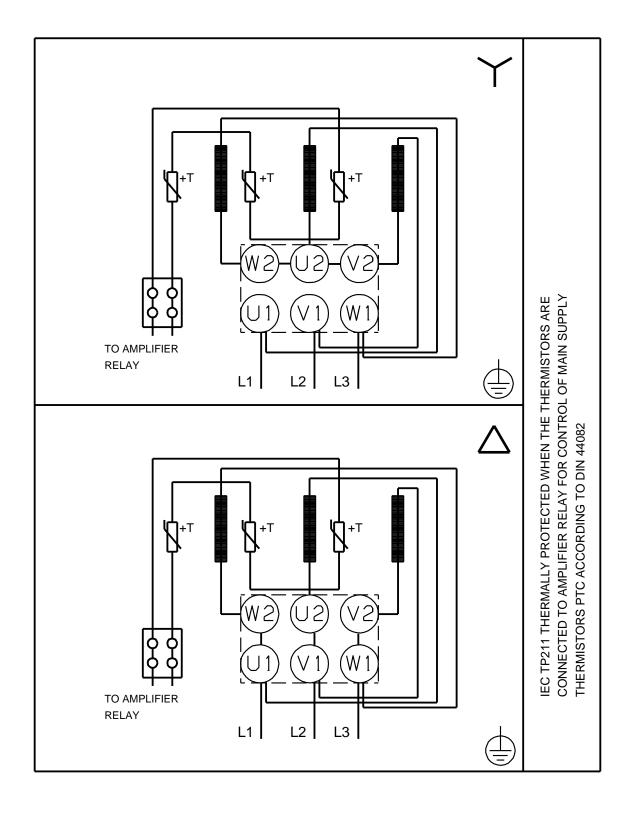


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



**Date:** 18/02/2019

### 95922155 CR 120-5-1 A-F-A-E-HQQE 50 Hz



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



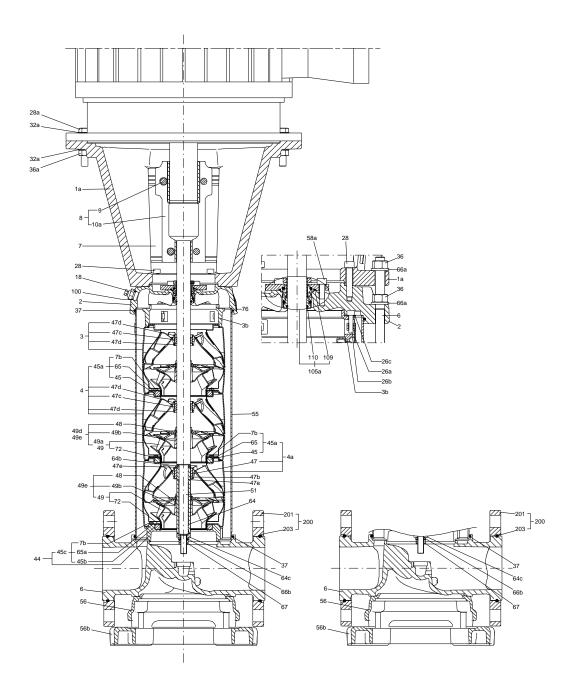
**Date:** 18/02/2019

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



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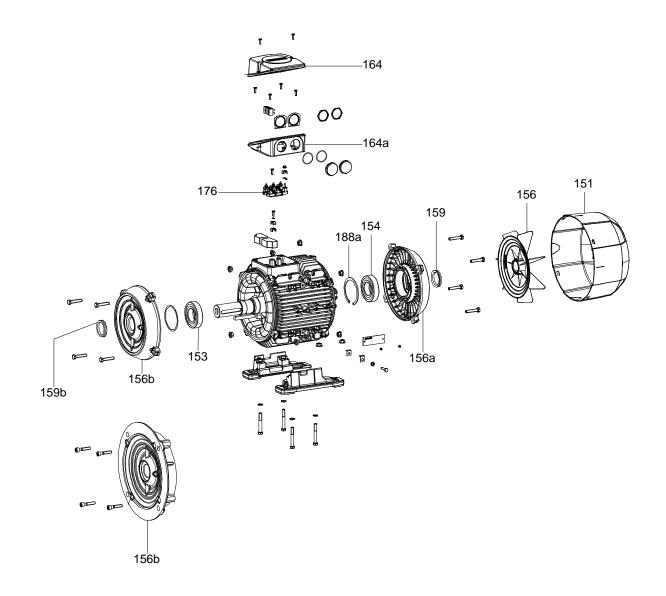
### (TM065579 XLCR)





**Date:** 18/02/2019

(TM058162)





**Date:** 18/02/2019

### Spare parts CR 120-5-1, Product No. 95922155 Valid from 12.9.2007 (0737)

Pos	Description	Annotation	Classification Data	Part no.		Un
C	Base			98807603	1	pcs
6	Base			00750045		1
	Kit, bearing			96752215		pcs
	Adjusting fork					1
	Adjusting fork			_		1
47e	Washer		Internal diameter: D2	22		2
			Outer diameter: D32			
47b	Bearing ring, rotating					1
	Kit, chamber stack			95059825	1	рс
80	Chamber stack					1
3	Chamber cpl.					
47d	Locking ring					
47c	Bush					
4a	Chamber cpl.					
7a	Cross recess Pan head screw					
45	Neck ring					
47	Bearing ring					
65	Retainer					
4	Chamber cpl.					
7a	Cross recess Pan head screw					
45	Neck ring					
47d	Locking ring					
47c	Bush					
65	Retainer					
7a	Cross recess Pan head screw					
26c	Washer		Designation: DIN	I 125A		
	Washer Designation: DIN 125A Thickness: 1,6					
26b	Hex socket head cap screw		77110101000. 1,0			
26a	Strap cpl.		Length (mm): 82	7 5		
44a	Discharge part		Longui (mm). 02	7,0		
44	Inlet part					
77						
45b	Inlet part Seal ring					
49e	Impeller cpl.					
48						
	Split cone nut					
49b	Split cone		T A TDU			
49a	Impeller, reduced diameter		Type: A-TRII	VI		
49c	Wear ring					
49e	Impeller cpl.					
48	Split cone nut					
49b	Split cone					
49	Impeller					
49c	Wear ring					
51	Shaft cpl.		Diameter: D22			
			Length (mm): 1042,5			
47e	Washer		Internal diam	eter: D22		
			Outer diameter: D32			
47b	Bearing ring, rotating					
51	Pump shaft		Diameter: D2	22		
			Length (mm): 1042,5			
64c	Spacer ring					
64b	Wedge lock washer					



Pos	Description	Annotation Classification Data	Part no.	Qtv	. Un
64	Spacing bush	Jacon Sales Bull		-,-,	
67	Hex nut	Thread: M	14		
65a	Retainer				
	Kit, chambers		96751982	1	pcs
	Adjusting fork				1
	Adjusting fork				1
4a	Chamber cpl.				1
7a	Cross recess Pan head screw				
45	Neck ring				
47	Bearing ring				
65	Retainer				
	Kit, coupling		96416594	1	pc
	Adjusting fork				1
8	Coupling cpl.	Dimension: 22/55			1
9	Hex socket head cap screw	Designation: D	IN 912		
		Length (mm): 25			
		Thread: M10			
10a	Coupling half				
	Kit, coupling guard		96505135	1	pc
7a	Socket button head screw				4
7	Coupling guard				2
	Kit, cover		98832448		pc
58a	Hex socket head cap screw	Designation: DIN 9	912		4
		Length (mm): 25			
		Thread: M10			
58	Cover				1
	Kit, gaskets		95059804		pc
	Adjusting fork				1
	Adjusting fork				1
37	O-ring				2
38	O-ring	Diameter: 16,3			4
		Material type: EPDM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3			2
		Material type: EPDM			
		Thickness: 2,4			
60	Spring				4
109	O-ring				1
109	O-ring	Material type: EPD	ΝVI		1
110	O-ring	<b>B</b>			1
110	O-ring	Diameter: 21,5			1
		Material type: EPDM			
	IZh mhan	Thickness: 4,25	00505400	_	
10	Kit, plug		96505136		pcs
18	Air vent screw				1
	Spindle				
O.E.	Plug				1
25	Plug				4
25	Plug	Diam-1 40.0			1
38	O-ring	Diameter: 16,3			2
		Material type: FKM			
20	O stines	Thickness: 2,4			4
38	O-ring	Diameter: 16,3			4
		Material type: FKM			
20	O sin s	Thickness: 2,4			_
38	O-ring	Diameter: 16,3			6
		Material type: FKM Thickness: 2,4			



Pos	Description		y. Ur
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	98368848 1	рс
47e	Washer	Internal diameter: D22	2
		Outer diameter: D32	
47b	Bearing ring, rotating		1
51	Shaft cpl.	Diameter: D22	1
		Length (mm): 1042,5	
47e	Washer	Internal diameter: D22	
		Outer diameter: D32	
47b	Bearing ring, rotating		
51	Pump shaft	Diameter: D22	
-		Length (mm): 1042,5	
64c	Spacer ring		
64b	Wedge lock washer		
64b	Lock washer		
64	Spacing bush		
67	Hex nut	Thread: M14	
51		Diameter: D22	4
וכ	Pump shaft		1
04-	On a sea who a	Length (mm): 1042,5	
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		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	95059808 1	рс
	Adjusting fork		1
	Adjusting fork		1
7a	Cross recess Pan head screw		21
45b	Seal ring		1
45	Neck ring		6
47e	Washer	Internal diameter: D22	2
•		Outer diameter: D32	_
47d	Locking ring	Sato. diameter Don	12
47c	Bush		6
47b	Bearing ring, rotating		1
47b	Wear ring		7
	Retainer		
65a			1
65	Retainer	00450755 4	6
	Bulk, Gasket (10 pcs)	99158755 1	pc
	Motor	1	po
156	Kit, fan	98671984	1
151	Kit, fan cover	98062276	
	Kit flongs	98062292	1
156b	Kit, flange	0002232	
	Kit, lubrication nipple	98062533	



Pos 150h	Description  Kit cool ring	Annotation Classification Data Part no. Qty.	Un
159b	Kit, seal ring Kit, terminal board	98062552 1	
176	•	98062237 1	
164a	Kit, terminal box	98062263 1	
1a	Motor stool		pcs
2	Pump head		pcs
- 3	Chamber cpl.		pcs
- 4a	Bulk, Chamber cpl. (3 pcs)		pcs
- 4a	Chamber cpl.		pcs
- 4	Chamber cpl.		pcs
6	Base		pcs
7a	Bulk, Socket button head screw (10 pcs)	96549696 4	pcs
7	Bulk, Coupling guard (10 pcs)	96603279 2	pcs
- 18	Bulk, Air vent screw (5 pcs)	96547461 1	pcs
- 18	Air vent screw	95061351 1	pcs
25	Bulk, Plug (10 pcs)	96536013 1	pcs
26c	Bulk, Washer (4 pcs)	Designation: DIN 125A 99262704 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)		pcs
26a	Strap cpl.		pcs
26	Staybolt		pcs
	<b>,</b>	Thread: M16	
28	Bulk, Hex socket head cap screw (10 pcs)		pcs
	Juni, Hor occitet House cap coron (10 pcc)	Length (mm): 50	Pot
		Thread: M10	
28	Bulk, Hex head screw (20 pcs)		pcs
	Built, Flox floud solow (20 pos)	Thread: M16	poc
32	Bulk, Washer (100 pcs)		pcs
32	Buik, Washer (100 pcs)	Internal diameter: 17	pus
		Outer diameter: 30	
		Thickness: 3	
36	Pulk Hay put (20 pag)		200
38	Bulk, Hex nut (20 pcs)		pcs
30	Bulk, O-ring (10 pcs)		pcs
		Material type: EPDM	
	D. II. O. i. (70.	Thickness: 2,4	
38	Bulk, O-ring (50 pcs)		pcs
		Material type: EPDM	
		Thickness: 2,4	
44a	Discharge part		pcs
- 44	Inlet part	99106112 1	pcs
49e	Bulk, Impeller cpl. (5 pcs)	97506741 1	pcs
49c	Bulk, Wear ring (2 pcs)	96535350 2	
- 49e	Impeller cpl.	97506727 1	pcs
49e	Impeller cpl.	97506694 4	pcs
48	Bulk, Split cone nut (10 pcs)	96551333 1	
49	Bulk, Impeller (10 pcs)	96537745 1	
49c	Bulk, Wear ring (2 pcs)	96535350	)
55	Outer sleeve	Outer diameter: 225 99051722 1	pcs
		Length (mm): 851	•
56b	Base plate		pcs
58	Cover		pcs
60	Bulk, Spring (20 pcs)		pcs
65a	Retainer		•
105			pcs
105	Bulk, Shaft seal (12 pcs)	· · · · · · · · · · · · · · · · · · ·	pcs
400	Adjusting fork	96587896 1	
109 - 105	Bulk, O-ring (10 pcs) Bulk, Shaft seal (12 pcs)	96547586 1	
	FULL STROTT COOL (11) ROOL	Material type: HQQE 96984070 1	pcs



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
440b	Bulk, Lock ring (4 pcs)			96547435	1	pcs