

**Date:** 18/02/2019

Qty. | Description

1 | CR 120-6-1 A-F-A-E-HBQE



Note! Product picture may differ from actual product

Product No.: 95922156

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

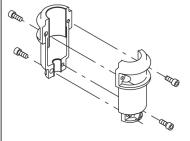
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

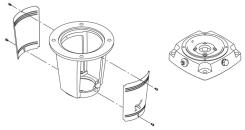
A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



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:

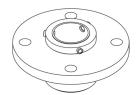
- Rotating seal ring material: carbon graphite, resin-impregnated
- Stationary seat material: silicon carbide (SiC)

This material pairing has a very good corrosion resistance and is especially suitable for water up to 90 °C. The seal life will be reduced significantly at temperatures above 90 °C. The material pairing is not recommended for liquids containing particles as this will result in heavy wear on the SiC face.

Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.

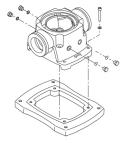




The shaft seal is retained in the pump head by a cover and screws. It can be replaced without removing the motor.

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: 0 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2974 rpm

Rated flow: 120 m³/h
Rated head: 127.1 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HBQE

Approvals on nameplate: CE, EAC,ACS,DM174 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 / 0 °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: FF500

Electrical data:

Motor standard: IEC
Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 55 kW
Power (P2) required by pump: 55 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 99,0-90,0/57,0-52,0 A

Starting current: 670-670 %
Cos phi - power factor: 0.89



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Rated speed: 2975 rpm
Efficiency: IE3 94,3%
Motor efficiency at full load: 94.3-94.3 %
Motor efficiency at 3/4 load: 94.5-94.5 %
Motor efficiency at 1/2 load: 93.9-93.9 %

Number of poles: 2

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

Insulation class (IEC 85): F

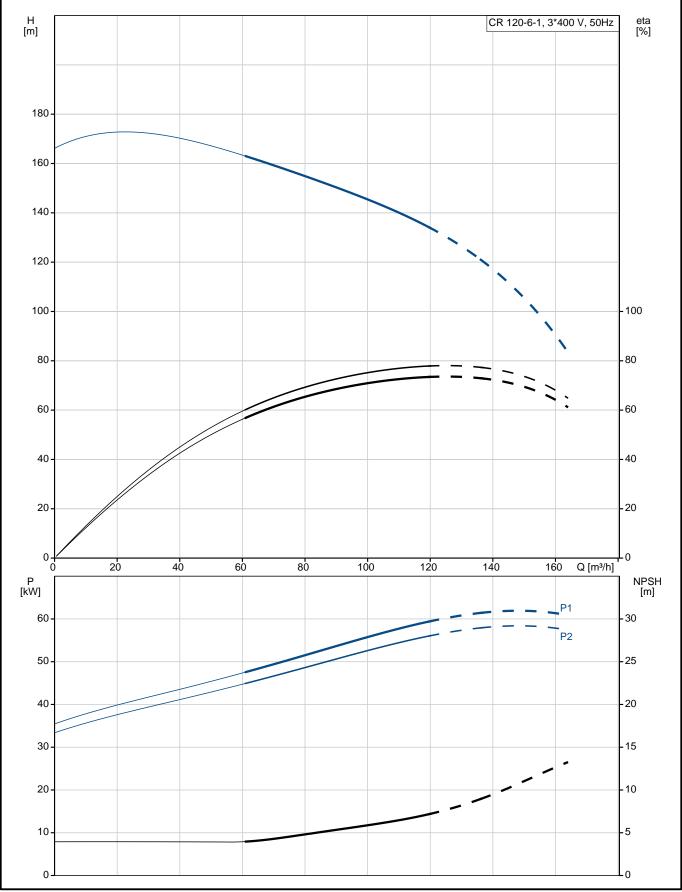
#### Others:

Minimum efficiency index, MEI ≥: 0.70 Net weight: 622 kg Gross weight: 781 kg Shipping volume: 2.13 m³



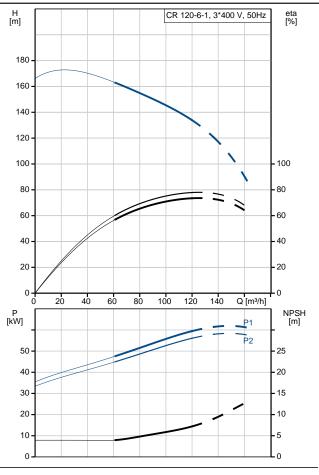
**Date:** 18/02/2019

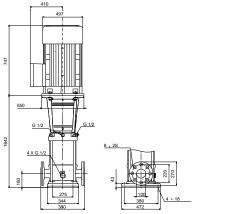
## 95922156 CR 120-6-1 A-F-A-E-HBQE 50 Hz

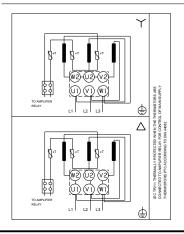




Description	Value
General information:	
Product name:	CR 120-6-1
	A-F-A-E-HBQE
Product No:	95922156
EAN number:	5700838933659
Technical:	
Pump speed on which pump data are based:	2974 rpm
Rated flow:	120 m³/h
Rated head:	127.1 m
Head max:	163.9 m
Stages:	6
Impellers:	6
Number of reduced-diameter impellers:	1
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HBQE
Approvals on nameplate:	CE, EAC,ACS,DM174
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Base:	Cast iron
	EN 1563 EN-GJS-500-7
	ASTM A536 80-55-06
Impeller:	Stainless steel
imponor.	EN 1.4301
	AISI 304
Material code:	
Material code:	Α
Code for rubber:	A E
Code for rubber: Bearing:	A E SIC
Code for rubber: Bearing: Support bearing:	A E
Code for rubber: Bearing: Support bearing: Installation:	A E SIC Graflon
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature:	A E SIC Graflon
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	A E SIC Graflon 55 °C 30 bar
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature:	A 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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C
Code for rubber: Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500
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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °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: Connect code: Liquid:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water
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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °C 20 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 55 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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 55 kW 55 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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 55 kW 55 kW 50 Hz
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:	A E SIC Graflon  55 °C 30 bar 30 bar / 120 °C 30 bar / 0 °C DIN DN 125 DN 125 PN 40 FF500 F  Water 0 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 55 kW 55 kW







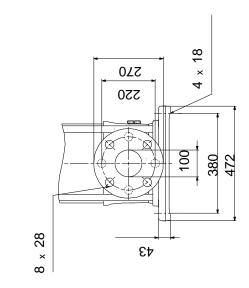


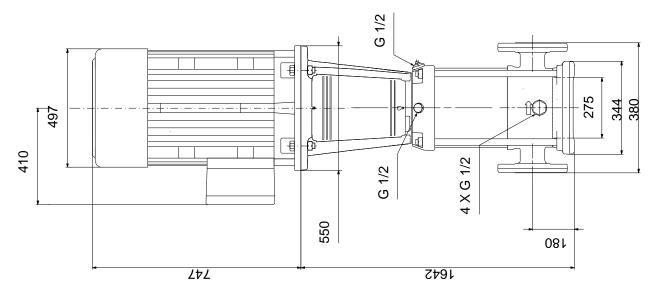
Description	Value
Starting current:	670-670 %
Cos phi - power factor:	0.89
Rated speed:	2975 rpm
Efficiency:	IE3 94,3%
Motor efficiency at full load:	94.3-94.3 %
Motor efficiency at 3/4 load:	94.5-94.5 %
Motor efficiency at 1/2 load:	93.9-93.9 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15338
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	622 kg
Gross weight:	781 kg
Shipping volume:	2.13 m <sup>3</sup>



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# 95922156 CR 120-6-1 A-F-A-E-HBQE 50 Hz



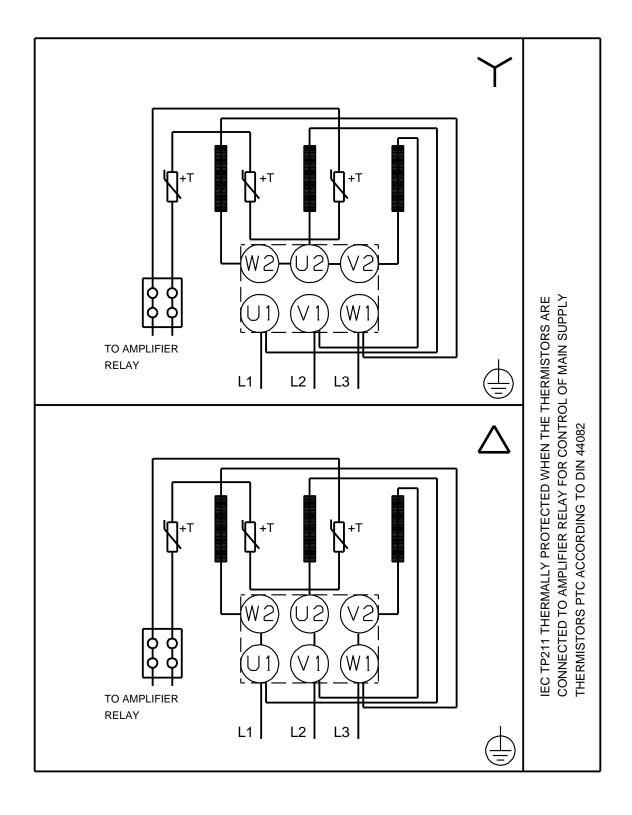


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



**Date:** 18/02/2019

## 95922156 CR 120-6-1 A-F-A-E-HBQE 50 Hz



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



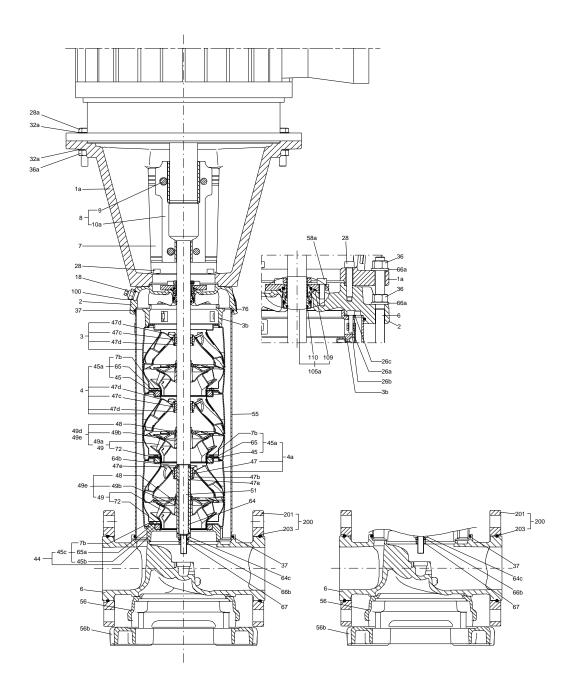
**Date:** 18/02/2019

(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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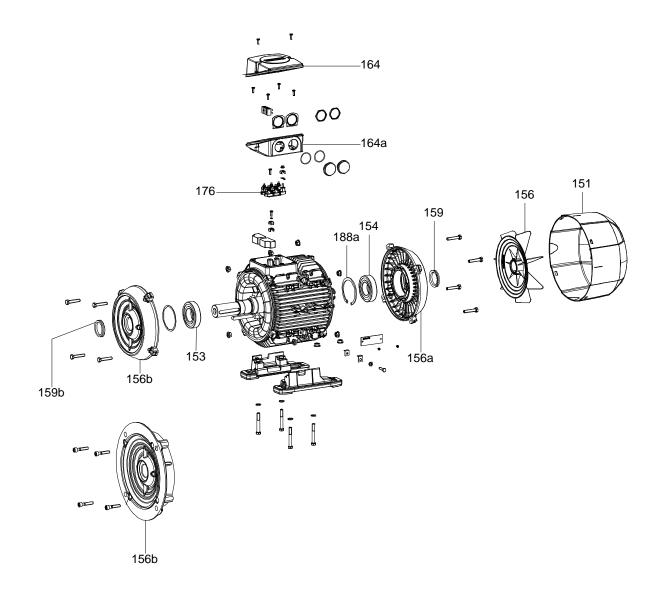
(TM065579 XLCR)





**Date:** 18/02/2019

(TM058162)





**Date:** 18/02/2019

### Spare parts CR 120-6-1, Product No. 95922156 Valid from 12.9.2007 (0737)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
_	Base			98807603	1	рс
6	Base					1
	Kit, bearing			96752215		pc
	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			95059827	1	po
80	Chamber stack				•	1
	Shaft cpl.		Diameter: D32			
			Length (mm): 1198			
47e	Washer		Internal diar	meter: D22		
			Outer diameter: D32			
47b	Bearing ring, rotating					
51	Pump shaft		Diameter: D	32		
	·		Length (mm): 1198			
64c	Spacer ring		<u> </u>			
64b	Wedge lock washer					
64b	Lock washer					
64	Spacing bush					
67	Hex nut		Thread: M1	4		
3	Chamber cpl.			-		
47d	Locking ring					
47c	Bush					
4a	Chamber cpl.					
7a	Cross recess Pan head scr	:ew				
45	Neck ring					
47	Bearing ring					
65	Retainer					
4	Chamber cpl.					
	Cross recess Pan head scr	2014				
7a 45		ew				
	Neck ring					
47d	Locking ring					
47c	Bush					
65	Retainer					
7a	Cross recess Pan head screw		Design ( 5)	N 4054		
26c	Washer		Designation: DI	N 125A		
00'			Thickness: 1,6			
26b	Hex socket head cap screw			•		
26a	Strap cpl.		Length (mm): 98	83		
44a	Discharge part					
44	Inlet part					
	Inlet part					
45b	Seal ring					
49e	Impeller cpl.					
48	Split cone nut					
49b	Split cone					
49a	Impeller, reduced diameter		Type: A-TR	IM		
49c	Wear ring					
49e	Impeller cpl.					
48	Split cone nut					
	Split cone					



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Ur
49	Impeller					
49c	Wear ring					
65a	Retainer				,	
	Kit, chambers			96751982		pc
	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			95059812	1	pc
	Adjusting fork					1
8	Coupling		Dimension: 60/32			1
10a	Coupling half					
9	Hex socket head cap screw		Designation: DIN 9	12		4
			Length (mm): 45			
			Thread: M16			
	Kit, coupling guard			96505135	1	pc
7a	Socket button head screw					4
7	Coupling guard					2
	Kit, gaskets			95059804		рс
	Adjusting fork					1
	Adjusting fork					1
37	O-ring					2
38	O-ring		Diameter: 16,3			4
	<u> </u>		Material type: EPDM			-
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			2
	J9		Material type: EPDM		•	_
			Thickness: 2,4			
60	Spring		11110101000. 2, 1			4
109	O-ring					1
109	O-ring		Material type: EPD	M		1
110	O-ring		Material type. Li L	'IVI		1
110	O-ring		Diameter: 21,5			1
110	O-filing		Material type: EPDM			'
			Thickness: 4,25			
	Kit plug		1111CK11655. 4,25	06505126	1	no
10	Kit, plug			96505136		pc:
18	Air vent screw					1
	Spindle					
)F	Plug					1
25 25	Plug					4
	Plug		Diameter: 40.0			1
38	O-ring		Diameter: 16,3		-	2
			Material type: FKM			
20	O ring		Thickness: 2,4			1
38	O-ring		Diameter: 16,3			4
			Material type: FKM			
00	O otio o		Thickness: 2,4			^
38	O-ring		Diameter: 16,3			6
			Material type: FKM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			2
			Material type: EPDM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			4
			Material type: EPDM			



		<u>-</u>		. 5, 52, 2510		
Pos	Description	Annotation	Classification Data	Part no.	Qty	. Un
	IZu -lfu		Thickness: 2,4	00000054		
	Kit, shaft		D: . Doo	98368851	1	pc
	Shaft cpl.		Diameter: D32			1
			Length (mm): 1198			
47e	Washer		Internal diamet	ter: D22		
			Outer diameter: D32			
47b	Bearing ring, rotating					
51	Pump shaft		Diameter: D32			
			Length (mm): 1198			
64c	Spacer ring					
64b	Wedge lock washer					
64b	Lock washer					
64	Spacing bush					
67	Hex nut		Thread: M14			
47e	Washer		Internal diameter: I	D22		2
			Outer diameter: D32			
47b	Bearing ring, rotating					1
51	Pump shaft		Diameter: D32			1
	p		Length (mm): 1198			•
64c	Spacer ring		_0.19a1 (1.1.11). 1100			1
64b	Wedge lock washer					1
64b	Lock washer					1
64	Spacing bush					1
			Thread: M14			
67	Hex nut		inread: M14	05050000	_	1
	Kit, shaft seal HBQE			95059800	1	pc
105	Shaft seal		Material type: HBC			1
	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: I	D22		2
			Outer diameter: D32			
47d	Locking ring					12
47c	Bush					6
47b	Bearing ring, rotating					1
49c	Wear ring					7
65a	Retainer					1
65	Retainer					6
00	Bulk, Gasket (10 pcs)			99158755	1	рс
	Motor			00100700	1	рс
156	Fan			967666		1
151	Kit, fan cover			980622		
	·					
156b	Kit, flange			980622		
450	Kit, lubrication nipple			980625		
156a	Kit, ND-end shield cpl.			980625		
159b	Kit, seal ring			980625		
176	Kit, terminal board			980622		
164a	Kit, terminal box			980622		1
1a	Motor stool			99367309	1	рс
2	Pump head			98906052	1	рс
3	Chamber cpl.			98371385	1	рс
	Bulk, Chamber cpl. (3 pcs)			98371389	1	pc
4a						рс
4a	Chamber cpl.			98371394	- 1	
4a 4a	Chamber cpl.			98371394 98371387		
4a	Chamber cpl. Chamber cpl. Base			98371394 98371387 99321771	4	pc



	Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
	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)			98931380	4	pcs
	26a	Strap cpl.		Length (mm): 983	98984448	4	pcs
	26	Staybolt		Length (mm): 1208	98976646	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): 60	97506949	8	pcs
				Thread: M16			
	32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	16	pcs
				Internal diameter: 17			
				Outer diameter: 30			
				Thickness: 3			
	36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480		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		pcs
+	44	Inlet part			99106112		pcs
-	49e	Bulk, Impeller cpl. (5 pcs)			97506741		pcs
	49c	Bulk, Wear ring (2 pcs)			965353		
+	49e	Impeller cpl.			97506727		pcs
<u> </u> -	49e	Impeller cpl.			97506694		pcs
	48	Bulk, Split cone nut (10 pcs)			965513		
-	49	Bulk, Impeller (10 pcs)			965377		
	49c	Bulk, Wear ring (2 pcs)				3535	-
	55	Outer sleeve		Outer diameter: 225	99021303	1	pcs
				Length (mm): 1006,5	0001-1-		
	56b	Base plate			99048161		pcs
	60	Bulk, Spring (20 pcs)			96536032		pcs
	65a	Retainer				1	pcs
	440b	Bulk, Lock ring (4 pcs)			96547435	1	pcs