

Date: 16/02/2019

Qty. | Description

1 | CR 20-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96500327

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

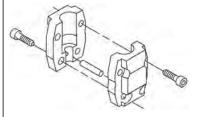
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

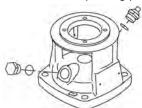
The colour code for the finished product is NCS 9000/RAL 9005.

Pump

A 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 pump head, pump head cover and flange for motor mounting is made in one piece. The pump head has a combined 1/2" priming plug and vent screw.





Date: 16/02/2019

Qty. | Description

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 screwed into the pump head.

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. The flanges and base are cast in one piece. The outlet side of the base has a drain plug. The pump is secured to the foundation by four bolts through the base plate.



Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with tapped-hole flange (FT).

Motor-mounting designation in accordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (Code II). Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which can be manually reset. The motor-protective circuit breaker must be set according to the rated current of the motor (I1/1).

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



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Qty. | Description

Technical:

Pump speed on which pump data are based: 2899 rpm

Rated flow:

Rated head:

Pump orientation:

Shaft seal arrangement:

Code for shaft seal:

Approvals on nameplate:

Curve tolerance:

21 m³/h

22 m

Vertical

Single

HQQE

CE, EAC,ACS

ISO9906:2012 3B

Materials:

Base: Cast iron

EN 1561 EN-GJL-200

ASTM A48-25B

Impeller: Stainless steel

EN 1.4301 AISI 304

Bearing: SIC

Installation:

Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 120 °C

16 bar / -20 °C

Type of connection: DIN
Size of inlet connection: DN 50
Size of outlet connection: DN 50
Pressure rating for pipe connection: PN 25
Flange rating inlet: 300 lb
Flange size for motor: FT115

Electrical data:

Motor standard: IEC
Motor type: 90LC
IE Efficiency class: IE3
Rated power - P2: 2.2 kW
Power (P2) required by pump: 2.2 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 220-240D/380-415Y V

Rated current: 7.70/4.45 A Starting current: 850-950 % Cos phi - power factor: 0.89-0.87 Rated speed: 2890-2910 rpm Efficiency: IE3 85,9% Motor efficiency at full load: 85.9 % Motor efficiency at 3/4 load: 86.8 % Motor efficiency at 1/2 load: 86.0 % Number of poles: 2

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

Insulation class (IEC 85): F

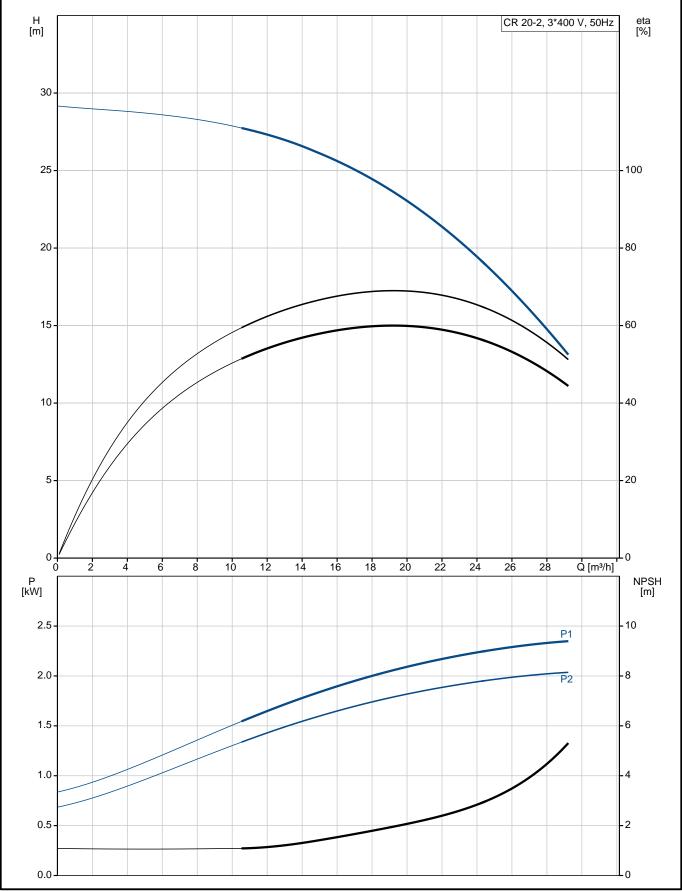
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 54 kg
Gross weight: 76 kg
Shipping volume: 0.234 m³
Danish VVS No.: 385905320
Swedish RSK No.: 5823486



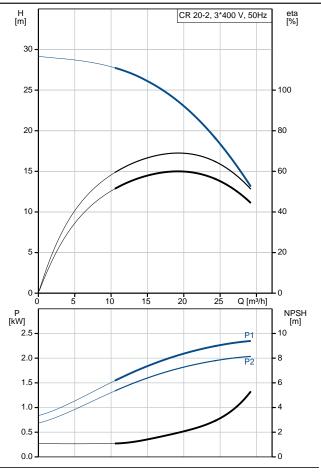
Date: 16/02/2019

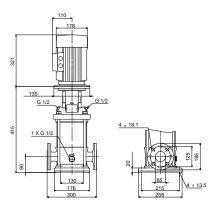
96500327 CR 20-2 A-F-A-E-HQQE 50 Hz

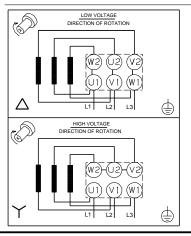




Description	Value
General information:	
Product name:	CR 20-2
	A-F-A-E-HQQE
Product No:	96500327
EAN number:	5700396199504
Technical:	
Pump speed on which pump data are based:	2899 rpm
2000.	·
Rated flow:	21 m³/h
Rated head:	22 m
Head max:	28.9 m
Stages:	2
Impellers:	2
Number of reduced-diameter impellers:	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:	Cast iron
	EN 1561 EN-GJL-200
	ASTM A48-25B
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
Installation:	
Maximum ambient temperature:	60 °C
•	
Maximum operating pressure:	16 bar
•	16 bar 16 bar / 120 °C
Maximum operating pressure:	
Maximum operating pressure:	16 bar / 120 °C
Maximum operating pressure: Max pressure at stated temp:	16 bar / 120 °C 16 bar / -20 °C
Maximum operating pressure: Max pressure at stated temp: Type of connection:	16 bar / 120 °C 16 bar / -20 °C DIN
Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50
Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50
Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25
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 rating inlet:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb
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 rating inlet: Flange size for motor:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115
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 rating inlet: Flange size for motor: Connect code:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115
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 rating inlet: Flange size for motor: Connect code: Liquid:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F
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 rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F
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 rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C
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 rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C
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 rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C
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 rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³
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 rating inlet: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation: Density: Electrical data: Motor standard: Motor type:	16 bar / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³
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 rating inlet: 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 / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 90LC
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 rating inlet: 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 / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 90LC IE3
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 rating inlet: 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 / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 90LC IE3 2.2 kW 2.2 kW
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 rating inlet: 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 / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 90LC IE3 2.2 kW 2.2 kW 50 Hz
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 rating inlet: 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 / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 90LC IE3 2.2 kW 2.2 kW
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 rating inlet: 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 / 120 °C 16 bar / -20 °C DIN DN 50 DN 50 PN 25 300 lb FT115 F Water -20 120 °C 20 °C 998.2 kg/m³ IEC 90LC IE3 2.2 kW 2.2 kW 50 Hz 3 x 220-240D/380-415Y







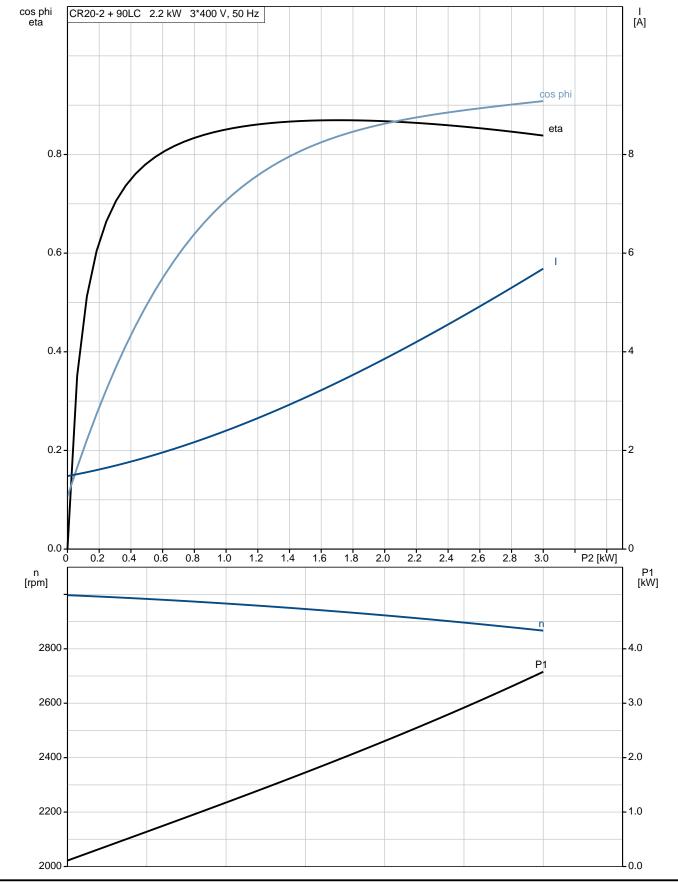


Description	Value
Starting current:	850-950 %
Cos phi - power factor:	0.89-0.87
Rated speed:	2890-2910 rpm
Efficiency:	IE3 85,9%
Motor efficiency at full load:	85.9 %
Motor efficiency at 3/4 load:	86.8 %
Motor efficiency at 1/2 load:	86.0 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85U05908
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	54 kg
Gross weight:	76 kg
Shipping volume:	0.234 m³
Danish VVS No.:	385905320
Swedish RSK No.:	5823486



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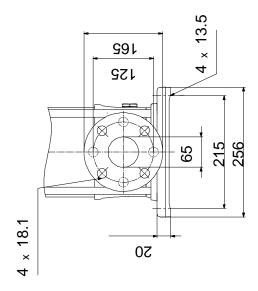
96500327 CR 20-2 A-F-A-E-HQQE 50 Hz

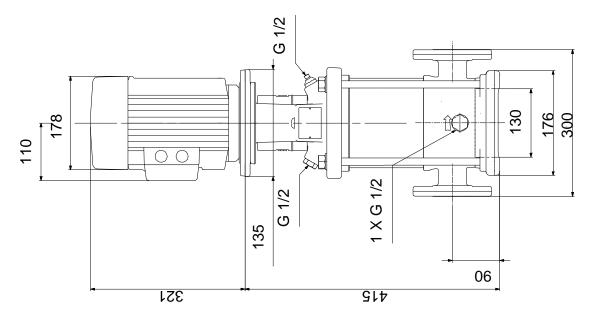




Date: 16/02/2019

96500327 CR 20-2 A-F-A-E-HQQE 50 Hz





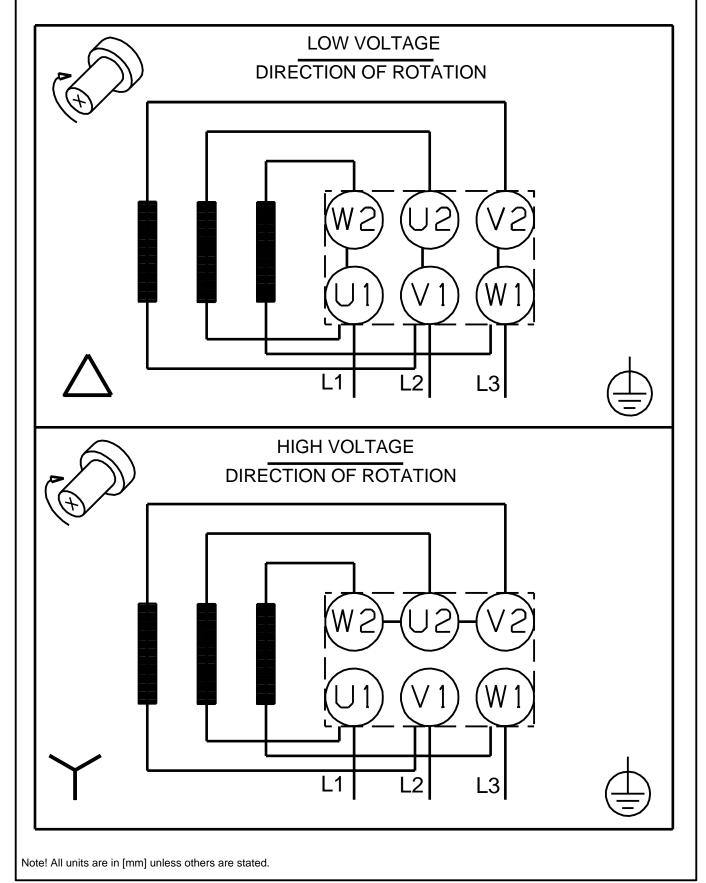
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

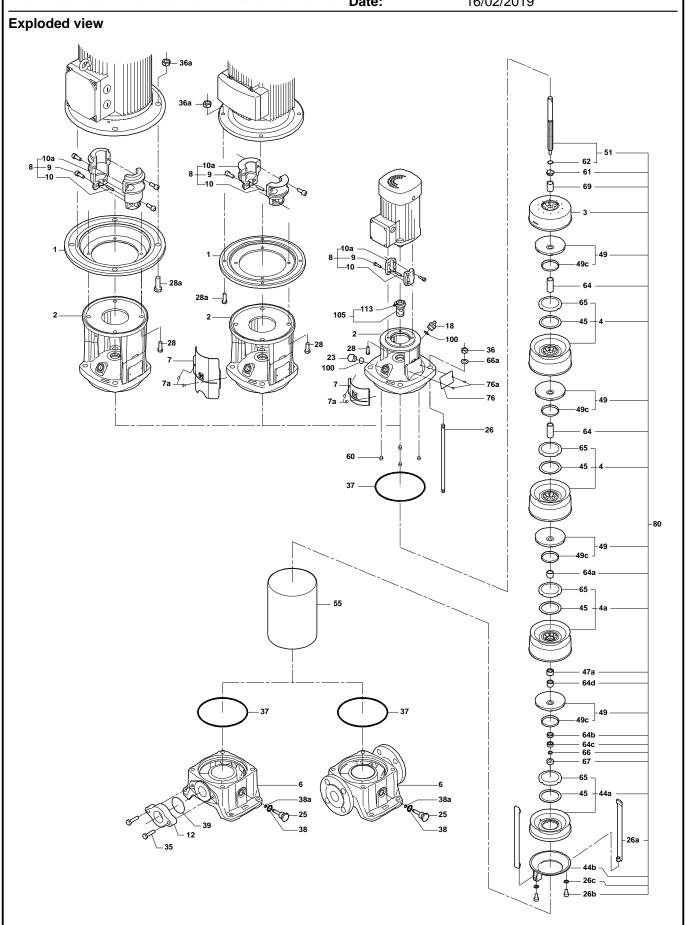
16/02/2019

96500327 CR 20-2 A-F-A-E-HQQE 50 Hz

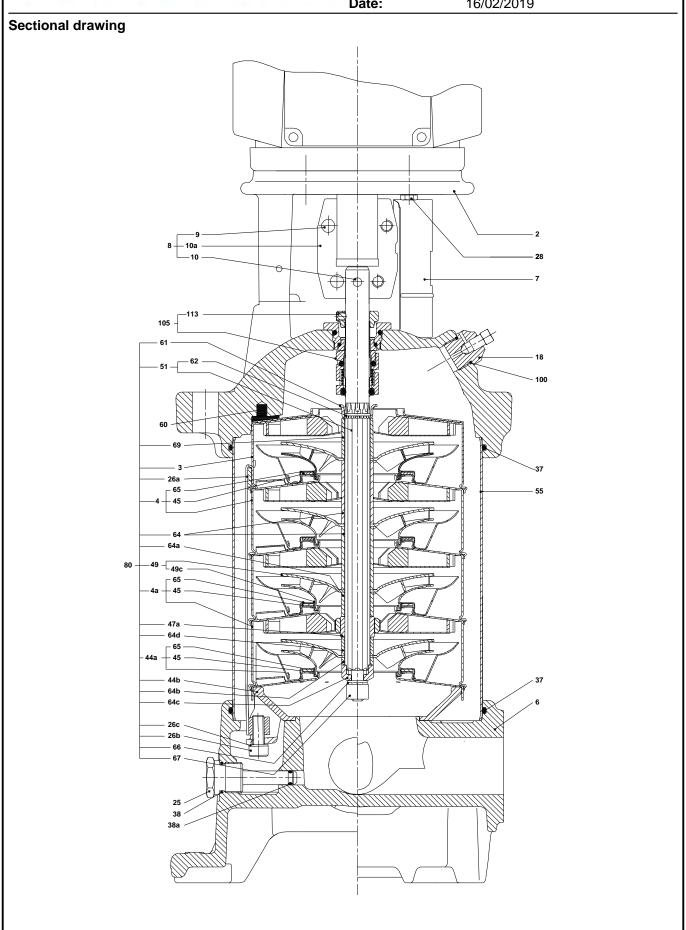




16/02/2019 Date:



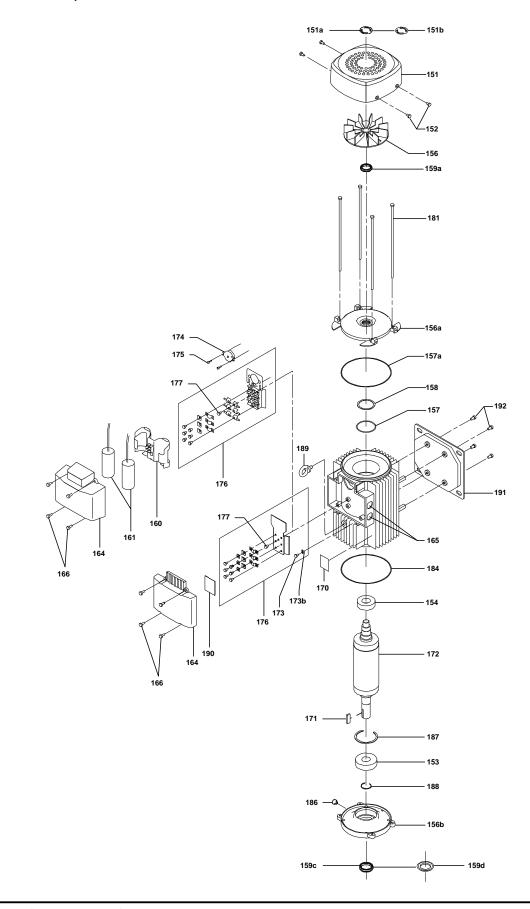






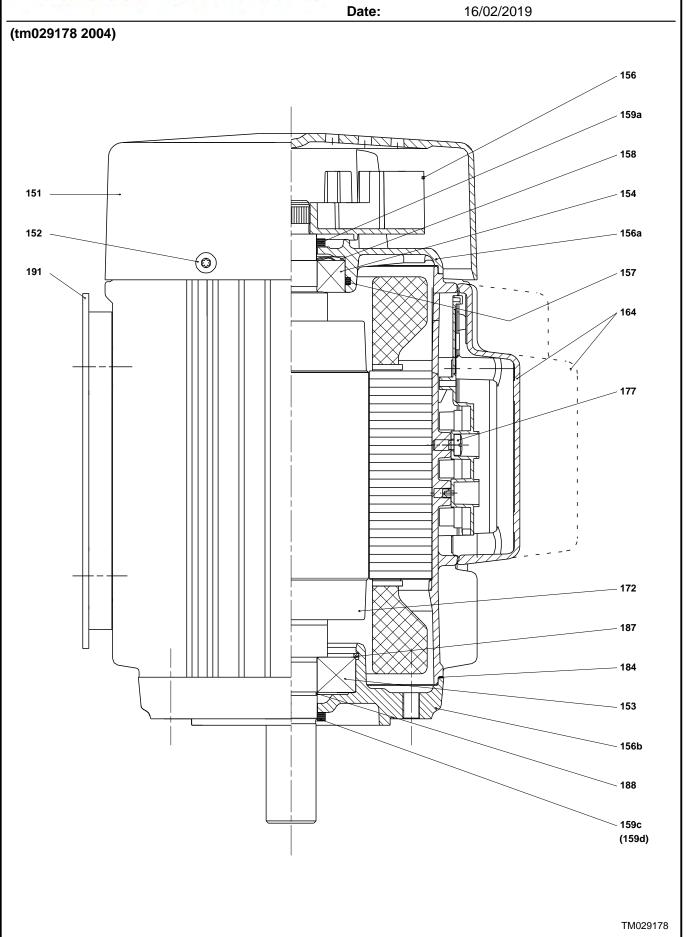
Date: 16/02/2019

(tm029184 0505)



TM029184







Date: 16/02/2019

Spare parts CR 20-2, Product No. 96500327 Valid from 1.1.2011 (1152)

Pos	Description	Annotation	Classification Data	Part no.		Uni
	Kit, chamber stack			96508542	1	pcs
80	Chamber stack				1	1
3	Top intermediate chamber					
	Front plate					
	Spare, turbulence optimizer KP					
	Guide vane					
4a	Intermediate chamber cpl.					
	Bearing plate					
3	Intermediate chamber					
45a	Neck ring cpl.					
47	Bearing bush					
65	Retainer for upper seal ring					
26a	Strap cpl.					
26.c	Washer		Designation: DIN 125A			
20.0	VVUOTIOI		Thickness: 1,6			
26.b	Hex head screw		1111CK11C33. 1,0			
26.b 44a	Inlet part cpl.					
44a 45a						
	Neck ring cpl.					
65	Retainer for upper seal ring					
47	Bearing ring					
49	Impeller cpl.					
	Impeller blade					
	Impeller plate					
	Impeller plate					
49c	Wear ring					
51	Shaft, spline, cpl.					
	Bar					
62	Stop ring					
64d	Spacing bush					
64c	Spacing pipe		Length (mm): 12.7			
64b	Spacing bush		Length (mm): 5.00			
64a	Spacing pipe		Internal diameter: 17,5			
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Length (mm): 17			
66	Wedge lock washer					
67	Lock nut		Thread: M8			
69	Spacing bush		THIOGG. WE			
03	Kit, coupling			96511319	1	nc
	Adjusting fork			90311319		рс: 1
9			Designation: DIN 912			
9	Hex socket head cap screw				2	+
			Length (mm): 25			
	0 " 1 "		Thread: M8			_
10a	Coupling half				2	
10	Shaft pin		Diameter: 5		1	1
			Length (mm): 26			
	Kit, coupling guard			96509612	1	pc
7.a	Combi Slot Torx screw				4	
7	Coupling guard				2	
	Kit, gaskets			96509609	1	рс
	Gasket				2	2
24	O-ring					2
37	O-ring					2
38a	O-ring		Diameter: 5,3			1
	- ···· 9		Material type: EPDM			



Pos	Description	Annotation Classification Data Part no	. Ot	y. Ur
. 55		Thickness: 2,4	. 41)	,. 01
38	O-ring	Diameter: 16,3		1
50	J9	Material type: EPDM		•
		Thickness: 2,4		
38	O-ring	Diameter: 16,3		2
30	O filing	Material type: EPDM		
		Thickness: 2,4		
60	Chrina	THICKHESS. 2,4		4
415	Spring Gasket			2
441b	Gasket	Internal diameter: 49		2
4410	Gaskei	Outer diameter: 92		
	IZh when	Thickness: 2	44 4	
40	Kit, plug	965113	11 1	pcs
18	Air vent screw			1
	Spindle			
	Plug			
25a	Drain plug			1
25	Plug	<u> </u>		1
38a	O-ring	Diameter: 5,3		1
		Material type: FKM		
		Thickness: 2,4		
38a	O-ring	Diameter: 5,3		1
		Material type: EPDM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3		1
		Material type: FKM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3		2
		Material type: FKM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3		1
	3	Material type: EPDM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3		2
00		Material type: EPDM		_
		Thickness: 2,4		
	Kit, shaft seal HQQE	965118	44 1	pcs
	Emery cloth	303110		1
	Grinding device			1
105	Shaft seal	Material type: HOOE		1
105		Material type: HQQE	04 4	-
1-	Kit, wear parts	965118	24 I	pcs
4a	Intermediate chamber cpl.			1
	Sand Lifter			
	Guide cup			
	Bearing plate			
	Guide vane			
3	Intermediate chamber			
45a	Neck ring cpl.			
47	Bearing bush			
65	Retainer			
26.c	Washer	Designation: DIN 125A		2
		Thickness: 1,6		
26.b	Hex head screw			2
45a	Neck ring cpl.			5
47	Bearing ring			1
49c	Wear ring			6
62	Retaining ring			1
64d	Spacing bush			1
64c	Spacing pipe	Length (mm): 12.7		1



	Description Specing bush		/. Ui
64b	Spacing bush	Length (mm): 5.00	1
64a	Spacing pipe	Internal diameter: 17,5	1
05	D. C.	Length (mm): 17	_
65	Retainer		5
66	Wedge lock washer		1
67	Lock nut	Thread: M8	1
	Motor	85903722 1	pc
	Kit, bearing cpl.	96279794	1
111	Ball bearing		
111	Ball bearing		
157	O-ring	Diameter: 52	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
187	Retaining ring		
188	Retaining ring		
	Kit, end shield	96279789	1
156a	End shield		
157a	Gasket	Internal diameter: 141,2	
		Outer diameter: 145,5	
		Thickness: 0,2	
157	O-ring	Diameter: 52	
		Material type: NBR	
		Thickness: 3	
158	Waved washer		
159a	Seal ring		
1000	Kit, fan	96279757	1
156	Fan	30213131	'
159a	Seal ring		
1334	Kit, fan cover	96279755	4
454		902/9/00	
151	Fan cover		
152	Pan head thread forming screw	00070777	_
450	Kit, flange	96279777	1
156b	Flange		
159.c	Seal ring		
184	Gasket	Internal diameter: 141,2	
		Outer diameter: 145,5	
		Thickness: 0,2	
186	Drain plug		
	Kit, retaining ring	96279798	1
187	Retaining ring		
188	Retaining ring		
	Kit, shaft seal	96279761	1
159c	Seal ring		
159a	Seal ring		
	Kit, staybolts	96279792	1
181	Pan head staybolt		
	Kit, terminal board	96279769	1
173a	Base	2.2.0100	
173	Pan head thread forming screw	Designation: COMBI TORX T25	
176	Slot cheese head screw	Designation: COMBI TORX T25	
170	Ciot chocse head solew	Length (mm): 10	
		Thread: M5	
176	Torminal	HIIGAU. IVIJ	
176	Terminal		
176	Connecting piece		
176	Wire clamp		
176	Terminal board		
177	Pan head screw		
	Kit, terminal box	96279771	1



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Uni
164	Terminal box cover w/gasket					
166	Pan head thread forming screw					
2a	Pump head			98852386		pcs
+ 3	Bulk, Top intermediate chamber (3 pcs)			96538971	1	pcs
+ 3	Top intermediate chamber			98371105	1	pcs
- 4a	Bulk, Intermediate chamber cpl. (10 pcs)			96538842	1	pcs
3	Bulk, Intermediate chamber (3 pcs)			965350	086 1	
65	Bulk, Retainer for upper seal ring (20 pcs)			976995	527 1	
65	Retainer for upper seal ring			965879	913 1	
+ 4a	Intermediate chamber cpl.			98371109	1	pcs
6	Base			98681111	1	pcs
7.a	Bulk, Combi Slot Torx screw (1000 pcs)			96886324		pcs
10	Bulk, Shaft pin (10 pcs)		Diameter: 5	96536473		pcs
	Dain, Grian pin (10 poo)		Length (mm): 26	00000110	•	Poc
+ 18	Bulk, Air vent screw (5 pcs)		2011ga1 (11111). 20	96547461	1	pcs
+ 18	Air vent screw			95061351		pcs
25	Bulk, Plug (10 pcs)			96536013		pcs
25a	Bulk, Drain plug (10 pcs)			96535881		pcs
26a	Strap cpl.			98967067		pcs
26.c	Bulk, Washer (4 pcs)		Designation: DIN 125A	99262704	2	pcs
			Thickness: 1,6			
26.c	Washer		Designation: DIN 125A	96586880	2	pcs
			Thickness: 1,6			
26	Bulk, Staybolt (4 pcs)		Length (mm): 163	98680984	4	pcs
			Thread: M16			
26	Staybolt		Length (mm): 163	98680982	4	pcs
			Thread: M16			
32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	4	pcs
			Internal diameter: 17			
			Outer diameter: 30			
			Thickness: 3			
36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480	4	pcs
37	Bulk, O-ring (20 pcs)			96538857		pcs
38a	Bulk, O-ring (10 pcs)		Diameter: 5,3	99198791		pcs
004	Built, & filing (10 poo)		Material type: EPDM	00100701	'	Poc
			Thickness: 2,4			
38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	noc
30	Bulk, O-filing (10 pcs)			99190013		pcs
			Material type: EPDM			
00	D II O : (50)		Thickness: 2,4	00440707	_	
38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
			Material type: EPDM			
			Thickness: 2,4			
+ 44a	Inlet part cpl.			98818924		pcs
47	Bulk, Bearing ring (10 pcs)			96538795	1	pcs
- 49	Bulk, Impeller cpl. (5 pcs)			98394308	2	pcs
49c	Bulk, Wear ring (10 pcs)			965473	340 1	ĺ
+ 49	Bulk, Impeller cpl. (10 pcs)			96538799	2	pcs
+ 49	Impeller cpl.			98394458	2	pcs
+ 51	Shaft, spline, cpl.			98368605		pcs
55	Outer sleeve			98812619		pcs
60	Bulk, Spring (20 pcs)			96538963		pcs
64d	Bulk, Spacing bush (20 pcs)			96538947		pcs
64c	Bulk, Spacing push (20 pcs) Bulk, Spacing pipe (5 pcs)		Length (mm): 12.7	97980241		•
						pcs
64b	Bulk, Spacing bush (20 pcs)		Length (mm): 5.00	96535098		pcs
64a	Bulk, Spacing pipe (10 pcs)		Internal diameter: 17,5	98417487	1	pcs
	B # 144 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Length (mm): 17	00=001==		
66	Bulk, Wedge lock washer (10 pcs)			96536157		pcs
67	Bulk, Lock nut (10 pcs)		Thread: M8	98277008	1	pcs



Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
69	Bulk, Spacing bush (20 pcs)			96538949	1	pcs
76a	Bulk, Rivet (100 pcs)			96620489	1	pcs
105	Bulk, Shaft seal (11 pcs)		Material type: HQQE	96538914	1	pcs