

**Date:** 15/02/2019

Qty. | Description

1 CRN 3-3 A-P-A-E-HQQE



Product No.: 96484041

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via PJE (Victaulic®) couplings.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

### Further product details

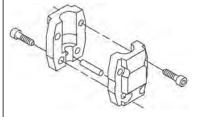
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

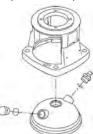
The colour code for the finished product is NCS 9000/RAL 9005.

#### **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 and flange for motor mounting is made in one piece (cast iron). The pump head cover is a separate component (stainless steel). The pump head has a combined 1/2" priming plug and vent screw.



The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy. Due to the balancing, this seal type is suitable for high-pressure applications. The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal.

Primary seal:

• Rotating seal ring material: silicon carbide (SiC)



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## Qty. | Description

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)

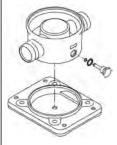
EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



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 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. The outlet side of the base has a combined drain plug and bypass valve. The pump is secured to the foundation by four bolts through the base plate. The base is prepared for connection by means of PJE (Victualic®) couplings.



#### 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).

#### **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

## Technical:

Pump speed on which pump data are based: 2873 rpm

Rated flow: 3 m³/h Rated head: 15.1 m



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## Qty. | Description

Pump orientation:

Shaft seal arrangement:

Code for shaft seal:

Approvals on nameplate:

Curve tolerance:

Vertical

Single

HQQE

CE, EAC,ACS

ISO9906:2012 3B

Materials:

Base: Stainless steel

EN 1.4408 AISI 316

Impeller: Stainless steel

EN 1.4401

AISI 316

Bearing: SIC

Installation:

Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar

Max pressure at stated temp: 25 bar / 120 °C

25 bar / -20 °C

Type of connection:

Size of inlet connection:

DN 32
1 1/4 inch
Size of outlet connection:

DN 32

1 1/4 inch

Pressure rating for pipe connection: PN 50 Flange size for motor: FT85

Flange size for motor: F185

Electrical data:

Motor standard: IEC
Motor type: 71A
IE Efficiency class: IE3
Rated power - P2: 0.37 kW
Power (P2) required by pump: 0.37 kW
Mains frequency: 50 Hz

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

Rated current: 1.74/1.00 A Starting current: 490-530 % Cos phi - power factor: 0.80-0.70 Rated speed: 2850-2880 rpm Efficiency: IE3 73,8% Motor efficiency at full load: 73.8 % Motor efficiency at 3/4 load: 79.0 % Motor efficiency at 1/2 load: 75.5 %

Number of poles: 2

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

Insulation class (IEC 85): F

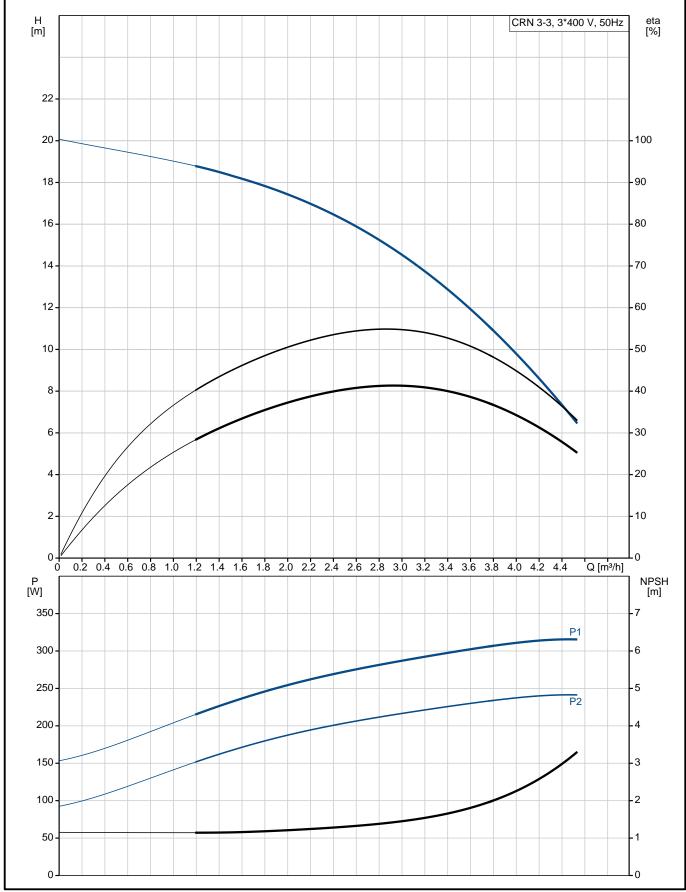
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 16.6 kg
Gross weight: 19.3 kg
Shipping volume: 0.054 m³
Danish VVS No.: 385911003



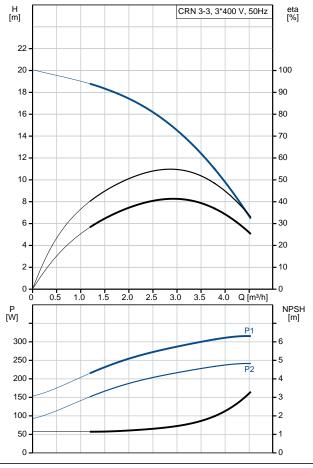
**Date:** 15/02/2019

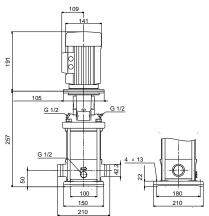
## 96484041 CRN 3-3 A-P-A-E-HQQE 50 Hz

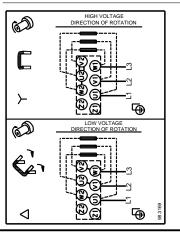




Description	Value
General information:	Tuluo
	CRN 3-3
Product name:	A-P-A-E-HQQE
Product No:	96484041
EAN number:	5700395600070
Technical:	
Pump speed on which pump data are	
based:	2873 rpm
Rated flow:	3 m³/h
Rated head:	15.1 m
Head max:	19.9 m
Stages:	3
Impellers:	3
Number of reduced-diameter impellers:	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
Imponor.	EN 1.4401
	AISI 316
Material code:	A
Code for rubber:	
	_
Bearing:	SIC
Bearing: Installation:	SIC
Bearing: Installation: Maximum ambient temperature:	SIC 40 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure:	SIC  40 °C 25 bar
Bearing: Installation: Maximum ambient temperature:	SIC  40 °C 25 bar 25 bar / 120 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection:	SIC  40 °C  25 bar  25 bar / 120 °C  25 bar / -20 °C  PJE  DN 32  1 1/4 inch  DN 32
Bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch DN 32 1 1/4 inch
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C
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:	SIC  40 °C  25 bar  25 bar / 120 °C  25 bar / -20 °C  PJE  DN 32  1 1/4 inch  DN 32  1 1/4 inch  PN 50  FT85  P  Water  -20 120 °C  20 °C
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE  DN 32 1 1/4 inch  DN 32 1 1/4 inch  PN 50  FT85  P  Water  -20 120 °C 20 °C 998.2 kg/m³
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 71A
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 71A IE3
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 71A IE3 0.37 kW
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 71A IE3 0.37 kW 0.37 kW
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 71A IE3 0.37 kW 0.37 kW 50 Hz
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:	SIC  40 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C  PJE DN 32 1 1/4 inch DN 32 1 1/4 inch PN 50 FT85 P  Water -20 120 °C 20 °C 998.2 kg/m³  IEC 71A IE3 0.37 kW 0.37 kW







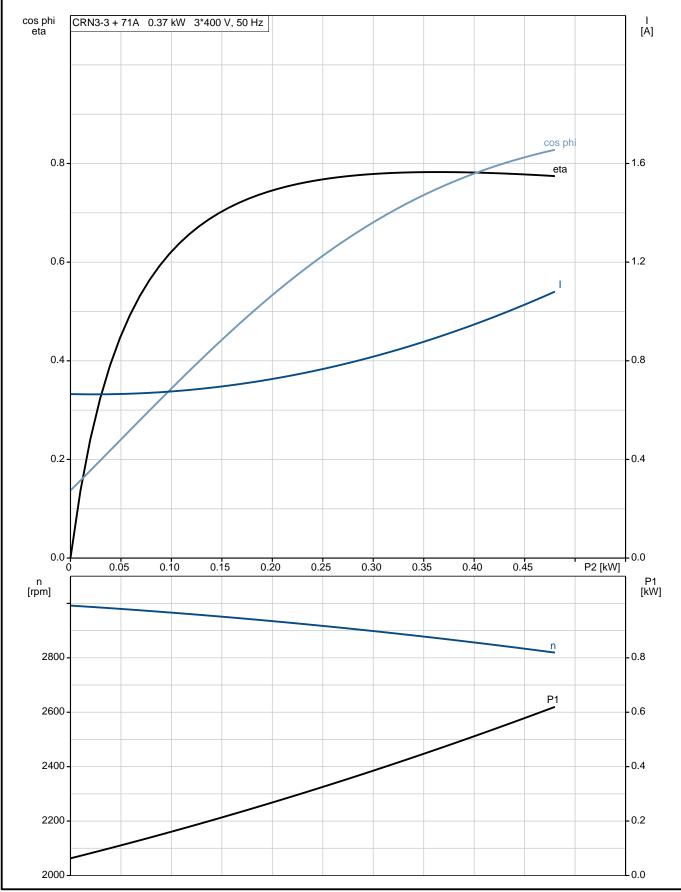


Description	Value
Rated current:	1.74/1.00 A
Starting current:	490-530 %
Cos phi - power factor:	0.80-0.70
Rated speed:	2850-2880 rpm
Efficiency:	IE3 73,8%
Motor efficiency at full load:	73.8 %
Motor efficiency at 3/4 load:	79.0 %
Motor efficiency at 1/2 load:	75.5 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85805102
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	16.6 kg
Gross weight:	19.3 kg
Shipping volume:	0.054 m³
Danish VVS No.:	385911003



**Date:** 15/02/2019

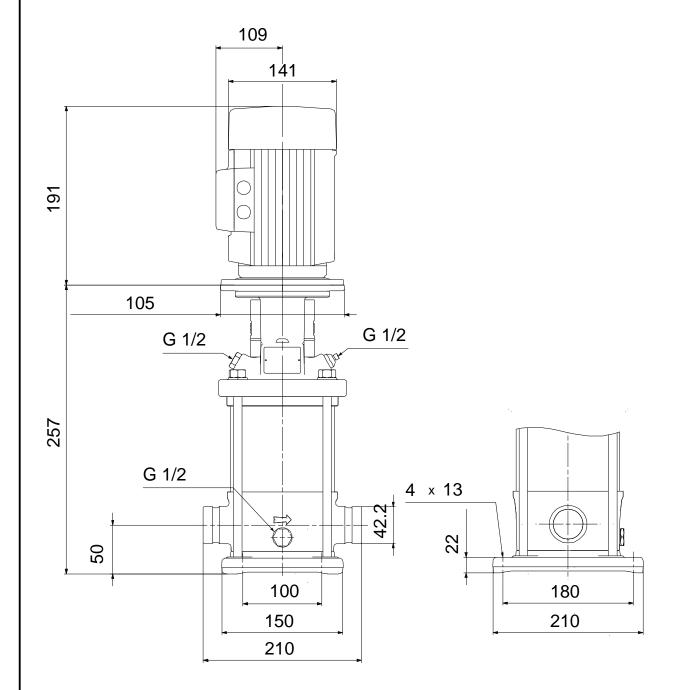
# 96484041 CRN 3-3 A-P-A-E-HQQE 50 Hz





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# 96484041 CRN 3-3 A-P-A-E-HQQE 50 Hz



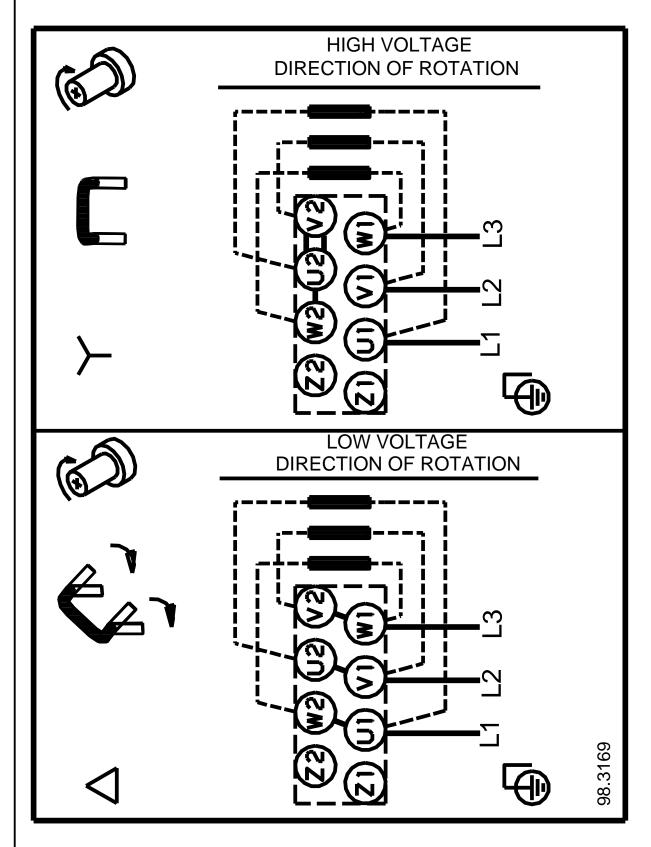
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

15/02/2019

# 96484041 CRN 3-3 A-P-A-E-HQQE 50 Hz

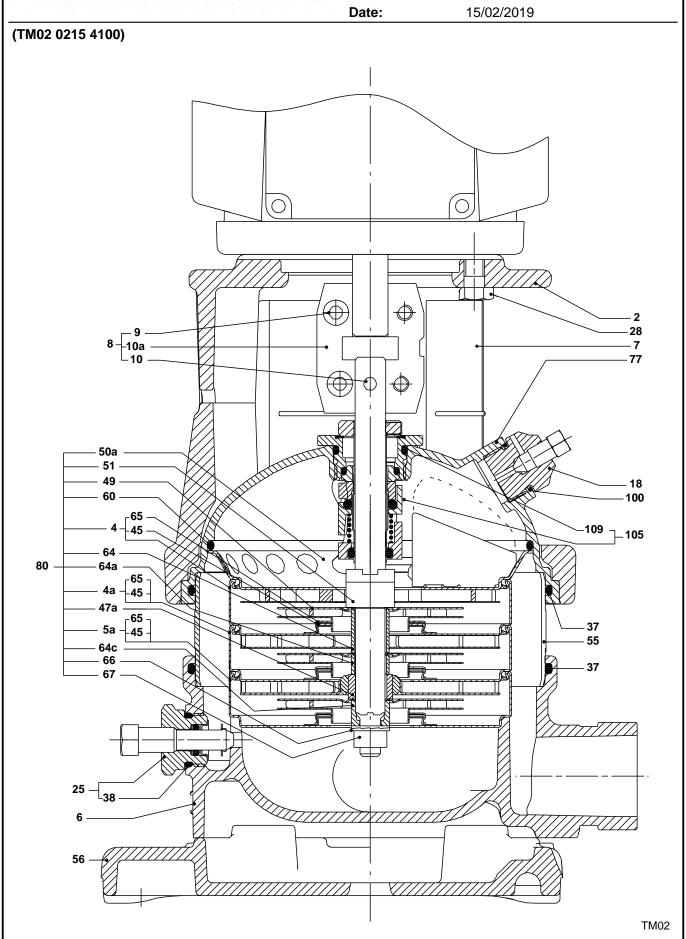


Note! All units are in [mm] unless others are stated.

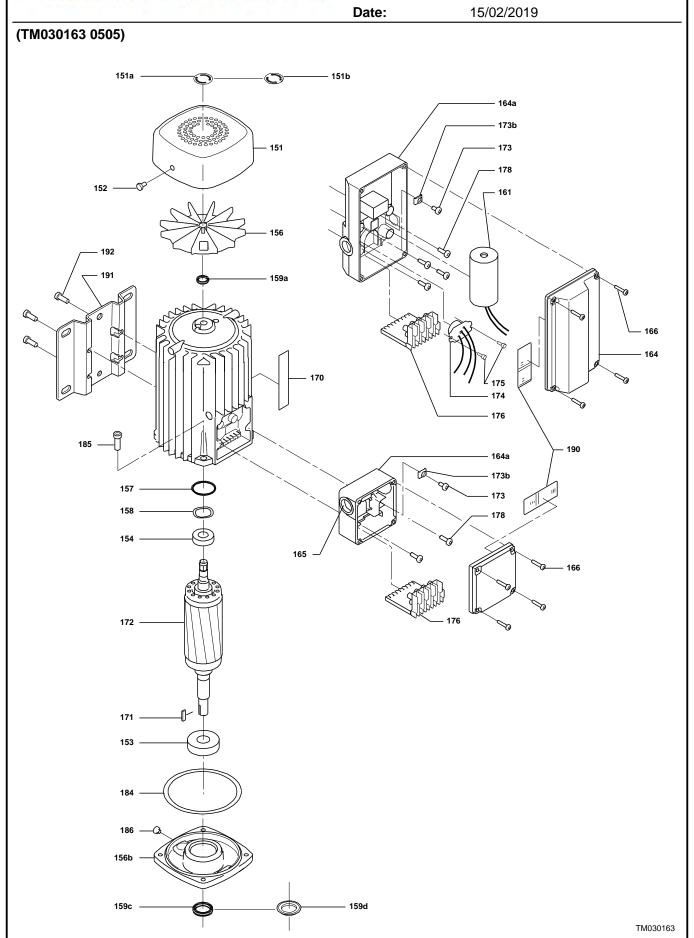


15/02/2019 Date: (TM069451 for SMCR standard)

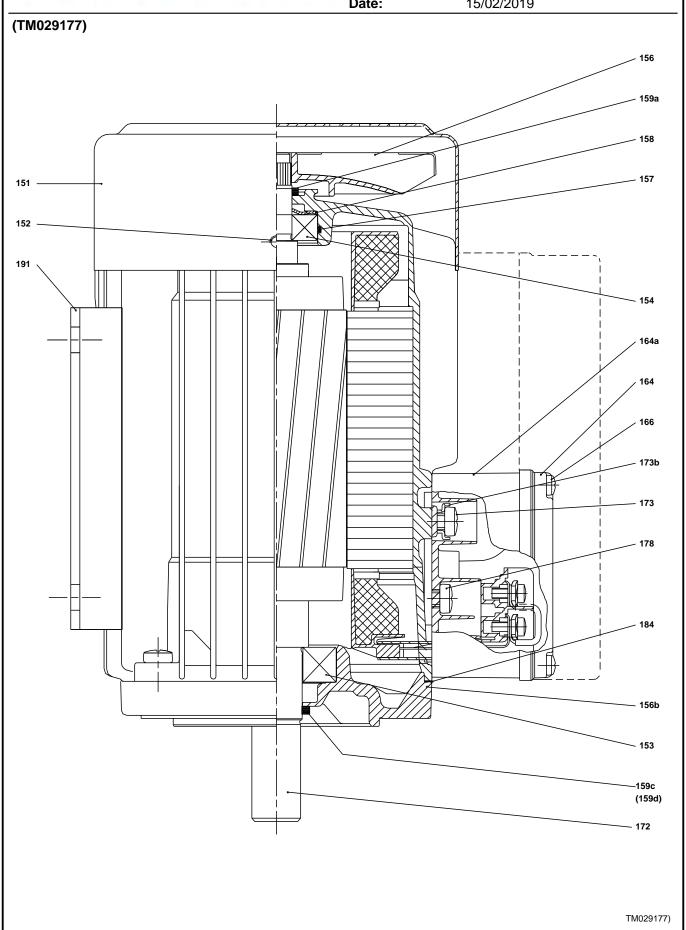














**Date:** 15/02/2019

# Spare parts CRN 3-3, Product No. 96484041 Valid from 1.1.2004 (0401)

		Description	Annotation	Classification Data	Part no.		Un
80		Kit, chamber stack		Bearing type: SILICON CARBIDE	96453553	1	pc
48		Chamber w. bearing cpl.					1
48	a	Intermediate chamber					
45	5	Neck ring					
65	5	Neck ring retainer					
4		Chamber cpl.					1
48	a	Intermediate chamber					
45	5	Neck ring					
65	5	Neck ring retainer					
58	а	Chamber cpl.					1
48	а	Intermediate chamber					
45	5	Neck ring					
65	5	Neck ring retainer					
44	4a	Guide vane cpl.					1
		Plate					
		Guide vane					
50	)	Top plate					
47		Bearing ring, rotating					1
49		Impeller cpl.					3
51		Shaft, spline, cpl.					1
64		Spacing pipe		Internal diameter: 12,85			1
_		Spacing pipe		Outer diameter: 15,85			•
				Length (mm): 4,50			
64	<b>1</b> c	Clamp, splined		Internal diameter: 8,5			1
- 0-	т0	Clamp, Spiined		Outer diameter: 15			•
64	10	Spacing pipe		Odici diameter. 13			1
66		Wedge lock washer					' 1
67		Lock nut		Thread: M8			' 1
07				Tilleau. Mo	00415060	1	
9	r	Kit, coupling		Designation: DIN 012	00415000		рс 4
9		Hex socket head cap screw		Designation: DIN 912		- 4	4
				Length (mm): 20 Thread: M6			
4.0	<b>1</b> -	Once the self		Thread: Mo			_
	)a	Coupling half		Diameter 5			2
10	J	Shaft pin		Diameter: 5			1
		<i>a</i> .		Length (mm): 26			
_		Kit, coupling guard			96505130	1	pc
7.		Combi Slot Torx screw					4
7		Coupling guard					2
		Kit, gaskets			96455090		рс
37		O-ring					2
38	3	O-ring		Diameter: 16,3			1
				Material type: EPDM			
				Thickness: 2,4			
38	3	O-ring		Diameter: 16,3		:	2
				Material type: EPDM			
				Thickness: 2,4			
10	9	O-ring		Diameter: 22,00			1
				Material type: EPDM			
				Thickness: 2,75			
	ŀ	Kit, plug			96505133	1	рс
18		Air vent screw					1
		Spindle					



Pos	Description	Annotation Classification Data Part no. Qty	<i>.</i> t	Jn
23b	Spindle		1	
25	Plug		1	
25	Plug		1	
38	O-ring	Diameter: 16,3	1	
	3	Material type: FKM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3	2	
30	O-ning		_	
		Material type: FKM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3	1	
		Material type: EPDM		
		Thickness: 2,4		
38	O-ring	Diameter: 16,3	2	
		Material type: EPDM		
		Thickness: 2,4		
	Kit, shaft seal HQQE	96455086 1	g	рс
105	Shaft seal	Material type: HQQE	1	_
. 50	Kit, wear parts	Material type: SILICON CARBIDE 96455095 1		pc
10	Chamber w. bearing cpl.	material type. OILIOON OANDIDE 30400090 1	1	,(
4a	<u> </u>		ı	
4a	Intermediate chamber			
45	Neck ring			
65	Neck ring retainer			
45	Neck ring		8	
47	Bearing ring, rotating		1	
64d	Spacing pipe	Internal diameter: 12,85	1	
		Outer diameter: 15,85		
		Length (mm): 4,50		
64c	Clamp, splined	Internal diameter: 8,5	1	
		Outer diameter: 15	-	
65	Neck ring retainer	Cutor diameter. To	8	
66	Wedge lock washer		1	
		TI 1.00		
67	Lock nut	Thread: M8	1	
441b	Gasket		2	
	Motor	85900331 1		рс
	Kit, Ball bearing	96279730	1	
111	Ball bearing	Designation: 6204.2Z.C3.SYN		
111	Ball bearing			
157	O-ring	Diameter: 32		
	-	Material type: NBR		
		Thickness: 2		
158	Waved washer			
130	Kit, fan	96279721	1	
	Kit, fan cover	96279720		
4=	Kit, flange	96279727	1	
156b	Flange			
159c	Seal ring			
184	Gasket	Internal diameter: 114,80		
		Outer diameter: 121,20		
		Thickness: 0,25		
185	Pan head screw			
186	Drain plug			
. 50	Kit, shaft seal	96279722	1	
450	Kit, terminal box	96279724	ı	
152	Pan head thread forming screw			
164a	Terminal box w/gasket			
164	Terminal box cover w/gasket			
173a	Washer	Designation: SQUARE		



Pos	Description	Annotation Classification Data Part no.	Qty	. Un
		Outer diameter: 10X10		
470-	Dana	Thickness: 1,5		
173a		Designation: COMPLEORY TOP		
173 173	Pan head thread forming screw Pan head screw	Designation: COMBI TORX T25 Designation: DIN 7985		
175	Pan head screw	Designation: DIN 7965  Designation: DIN 7985		
176	Terminal cpl.	Designation. Ditt 7 903		
176 1a	Pump head	96588196	1	nce
2	Pump cover	96588244		pc
	•			pc
	Bulk, Chamber w. bearing cpl. (5 pcs)	97690603		pc
+ 4a	Bulk, Chamber w. bearing cpl. (5 pcs)	96547661	1	pc
+ 4a	Chamber w. bearing cpl.	98371226		pc
4	Bulk, Chamber cpl. (5 pcs)	97690021		pc
45	Bulk, Neck ring (24 pcs)	96536		1
65	Bulk, Neck ring retainer (8 pcs)	99490		1
65	Bulk, Neck ring retainer (24 pcs)	99490		1
+ 4	Bulk, Chamber cpl. (10 pcs)	96547663		pc
+ 4	Chamber cpl.	98371224	1	pc
⊦ 5a	Chamber cpl.	98371222	1	pc
6	Base	96588139	1	рс
7.a	Bulk, Combi Slot Torx screw (1000 pcs)	96886324	4	рс
10	Bulk, Shaft pin (10 pcs)	Diameter: 5 96536473	1	рс
		Length (mm): 26		
+ 18	Bulk, Air vent screw (5 pcs)	96547461	1	рс
+ 18	Air vent screw	95061351	1	рс
25	Bulk, Plug (10 pcs)	96536013	1	рс
25a	Drain plug w/bypass valve	96588243	1	pc
38	Bulk, O-ring (10 pcs)	Diameter: 16,3 99198		1
	,	Material type: EPDM		
		Thickness: 2,4		
38	Bulk, O-ring (50 pcs)	Diameter: 16,3 99412	727	1
		Material type: EPDM		
		Thickness: 2,4		
26	Staybolt	Length (mm): 155 98985638	4	pc
	- ·· <b>,</b> · · ·	Thread: M12		
37	Bulk, O-ring (24 pcs)	96547656	2	рс
38	Bulk, O-ring (10 pcs)	Diameter: 16,3 99198815		pc
	,g (p)	Material type: EPDM		
		Thickness: 2,4		
38	Bulk, O-ring (50 pcs)	Diameter: 16,3 99412727	2	рс
	, •g (50 poo)	Material type: EPDM		ρο.
		Thickness: 2,4		
+ 44a	Guide vane cpl.	98928568	1	рс
47	Bulk, Bearing ring, rotating (10 pcs)	97905743		pc
47	Bearing ring, rotating (10 pcs)	96547649		pc
49	Bulk, Impeller cpl. (4 pcs)	98271529		
				pc
49	Bulk, Impeller cpl. (10 pcs)	98394270		pc
49	Bulk, Impeller cpl. (24 pcs)	96547601		рс
49	Impeller cpl.	98394417		рс
51	Shaft, spline, cpl.	96588198		pc
55	Outer sleeve	98811252		pc
56	Base plate	96588142		pc
60	Formed wire spring	96547664		pc
64c	Bulk, Clamp, splined (5 pcs)	Internal diameter: 8,5 98496968	1	рс
		Outer diameter: 15		
64a	Bulk, Spacing pipe (24 pcs)	96536198	1	рс
66	Bulk, Wedge lock washer (10 pcs)	96536157	1	рс
67	Bulk, Lock nut (10 pcs)	Thread: M8 98277008	1	pcs



	Pos	Description	Annotation Cla	ssification Data	Part no.	Qty.	Unit
+	105	Bulk, Shaft seal (15 pcs)	Mat	terial type: HQQE	96983415	1	pcs