

**Date:** 17/02/2019

Qty. | Description

1 | CRN 45-9-2 A-F-A-E-HQQE



Product No.: 96123132

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 DIN flanges.

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

### Further product details

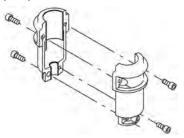
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

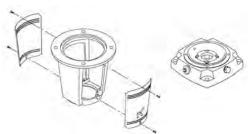
The colour code for the finished product is NCS 9000/RAL 9005.

# **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.



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.



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## Qty. | Description

Primary seal:

· Rotating seal ring material: silicon carbide (SiC)

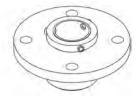
• Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

Secondary seal material: EPDM (ethylene-propylene rubber)

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





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

The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.

The pump has a stainless-steel base mounted on a separate base plate. The base and base plate are kept in position by the tension of the staybolts which hold the pump together. Both the inlet and the outlet side of the base have two pressure gauge tappings. The pump is secured to the foundation by four bolts through the base plate. The flanges are fastened to the base by means of locking rings.



#### Motor

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

Motor-mounting designation in accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II).

Electrical tolerances comply with IEC 60034.

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

The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.

The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center.

#### **Technical data**

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water



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# Qty. | Description

Liquid temperature range: -40 .. 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³

#### Technical:

Pump speed on which pump data are based: 2951 rpm

Rated flow:

Rated head:

Pump orientation:

Shaft seal arrangement:

Code for shaft seal:

Approvals on nameplate:

45 m³/h

175.5 m

Vertical

Single

HQQE

CE, EAC,

Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B

#### Materials:

Base: Stainless steel

EN 1.4408 AISI 316

Impeller: Stainless steel

EN 1.4401 AISI 316

Bearing: SIC Support bearing: Graflon

#### Installation:

Maximum ambient temperature: 55 °C Maximum operating pressure: 30 bar

Max pressure at stated temp: 30 bar / 120 °C

30 bar / -40 °C

Type of connection: DIN
Size of inlet connection: DN 80
Size of outlet connection: DN 80
Pressure rating for pipe connection: PN 40
Flange size for motor: FF350

#### **Electrical data:**

Motor standard: IEC
Motor type: SIEMENS
IE Efficiency class: IE3
Rated power - P2: 30 kW
Power (P2) required by pump: 30 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 56,0-51,0/32,0-29,5 A

Starting current: 660-660 %

Cos phi - power factor: 0.87

Rated speed: 2955 rpm

Efficiency: IE3 93,3%

Motor efficiency at full load: 93.3-93.3 %

Motor efficiency at 3/4 load: 93.6-93.6 %

Motor efficiency at 1/2 load: 93.4-93.4 %

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: 333 kg Gross weight: 377 kg

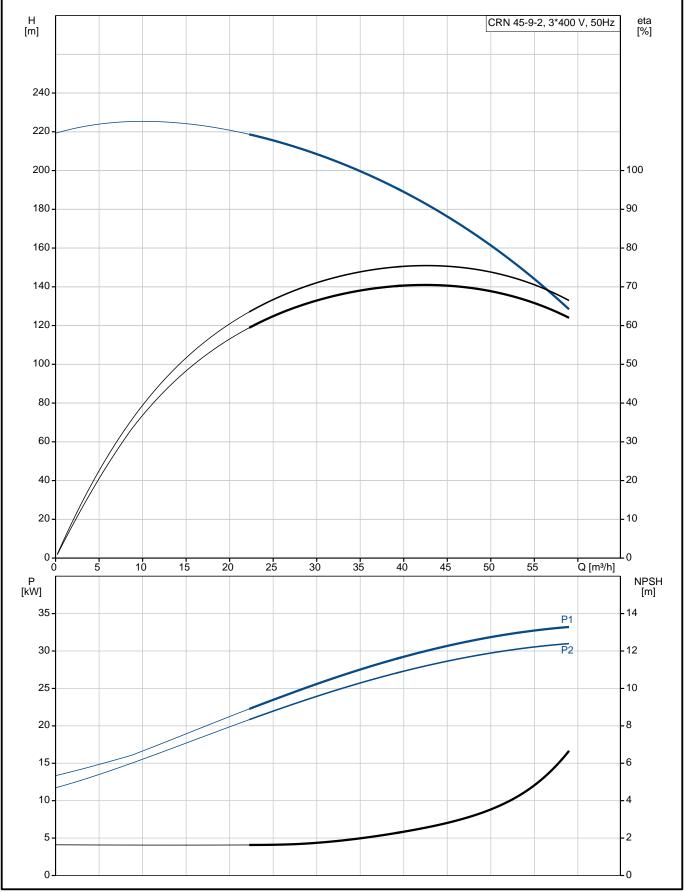


Description			
Shipping volume: Danish VVS No.:	$0.808 \; \text{m}^{3}$		
Danish VVS No.:	385917092		



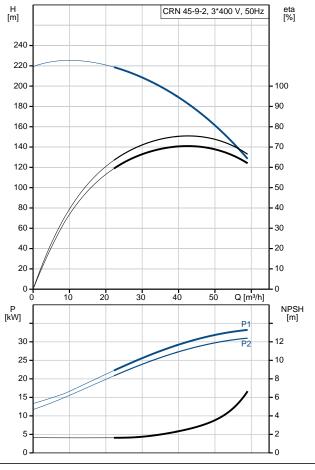
**Date:** 17/02/2019

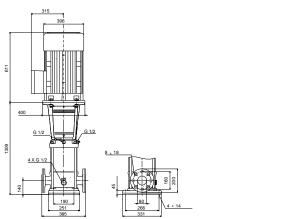
# 96123132 CRN 45-9-2 A-F-A-E-HQQE 50 Hz

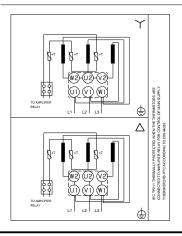




Description	Value
General information:	
Product name:	CRN 45-9-2 A-F-A-E-HQQE
Product No:	96123132
EAN number:	5700396691770
Technical:	
Pump speed on which pump data are	
based:	2951 rpm
	45 m³/h
Rated head:	175.5 m
Head max:	219.5 m
Stages:	9
Impellers:	9
Number of reduced-diameter impellers:	2
Low 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:	В
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
F	EN 1.4401
	AISI 316
Material code:	A
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	30 bar
Maximum operating pressure:  Max pressure at stated temp:	30 bar 30 bar / 120 °C
Maximum operating pressure: Max pressure at stated temp:	30 bar / 120 °C
Max pressure at stated temp:	30 bar / 120 °C 30 bar / -40 °C
Max pressure at stated temp:  Type of connection:	30 bar / 120 °C 30 bar / -40 °C DIN
Max pressure at stated temp:  Type of connection: Size of inlet connection:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80
Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80
Max pressure at stated temp:  Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F Water -40 120 °C 20 °C
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 30 kW
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 30 kW
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:	30 bar / 120 °C 30 bar / -40 °C DIN DN 80 DN 80 PN 40 FF350 F  Water -40 120 °C 20 °C 998.2 kg/m³  IEC SIEMENS IE3 30 kW 30 kW







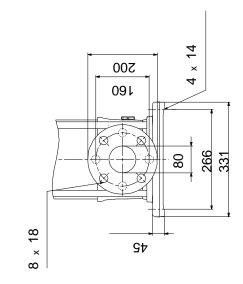


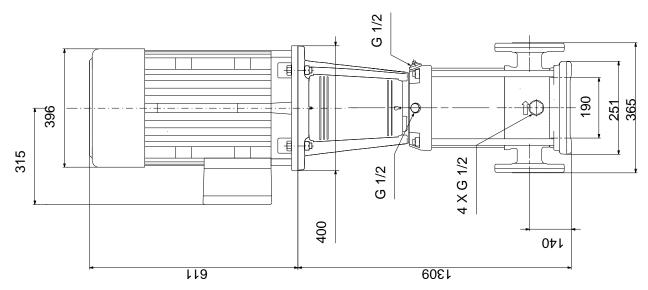
Description	Value
Starting current:	660-660 %
Cos phi - power factor:	0.87
Rated speed:	2955 rpm
Efficiency:	IE3 93,3%
Motor efficiency at full load:	93.3-93.3 %
Motor efficiency at 3/4 load:	93.6-93.6 %
Motor efficiency at 1/2 load:	93.4-93.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15332
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	333 kg
Gross weight:	377 kg
Shipping volume:	0.808 m³
Danish VVS No.:	385917092



**Date:** 17/02/2019

# 96123132 CRN 45-9-2 A-F-A-E-HQQE 50 Hz





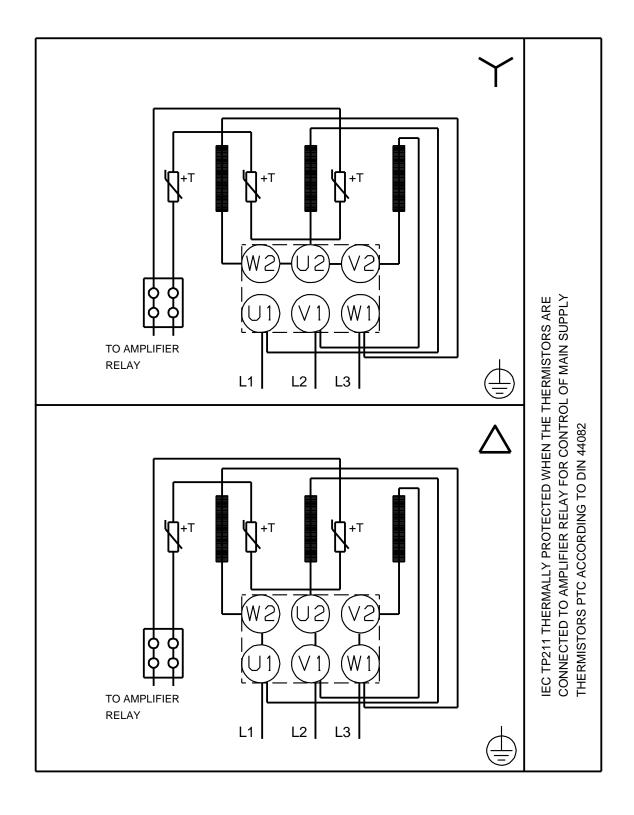
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

17/02/2019

# 96123132 CRN 45-9-2 A-F-A-E-HQQE 50 Hz

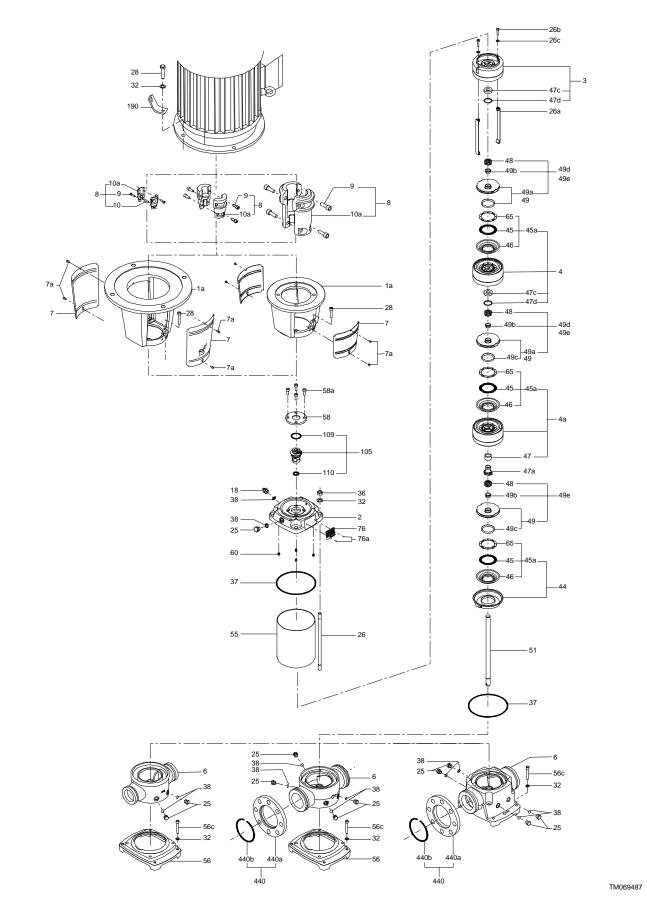


Note! All units are in [mm] unless others are stated.



**Date:** 17/02/2019

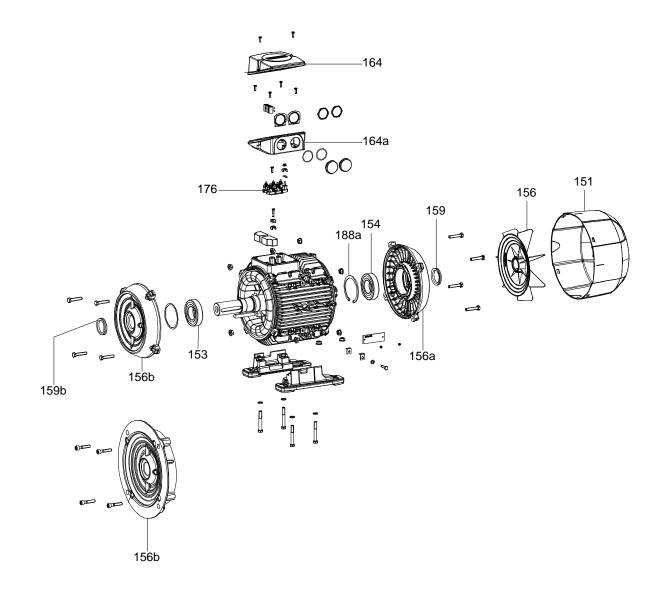
(tm069487 for LACR model B standard)





**Date:** 17/02/2019

(TM058162)





**Date:** 17/02/2019

# Spare parts CRN 45-9-2, Product No. 96123132 Valid from 3.3.2014 (1410)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	
	Base			96587695	1	pcs
6	Base				1	l
80	Chamber stack			96416254		pcs
80	Chamber stack				1	l
3	Upper chamber cpl.					
	Cone					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
47d	Lock ring					
47c	Bush					
4a	Intermediate chamber cpl.					
	Cone					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
45a	Neck ring cpl.					
47	Bearing					
4	Intermediate chamber cpl.					
	Cone					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
45a	Neck ring cpl.					
47d	Lock ring					
47c	Bush					
26c	Washer		Designation: D	IN 125A		
			Thickness: 1,6			
26b	Hex socket head cap screw		77110141000. 1,0			
26a	Strap cpl.		Length (mm): 7	729		
200	στιαρ ορι.		Thread: M8	20		
44	Suction interconnector cpl.		TTITOGG. WIO			
44a	Suction interconnector					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47a	Bearing cpl.					
	Driver					
	Holder					
	Disc spring					
	Bearing ring Impeller cpl.					
49e						
48	Nut					
49b	Split cone					
49a	Impeller, reduced diameter					
	Impeller hub					
49c	Wear ring					



Pos	Description	Annotation Classification Data	Part no.	Qty	<i>J</i> .	Un
49d	Impeller cpl. reduced diameter					
48	Nut					
49b	Split cone					
49a	Impeller, reduced diameter					
	Impeller hub					
49c	Wear ring					
51	Shaft					
	Kit, chambers		98633888	1		pcs
4a	Intermediate chamber cpl.				1	
	Cone					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
45a	Neck ring cpl.					
47	Bearing					
47a	Bearing cpl.				1	
	Driver					
	Holder					
	Disc spring					
	Bearing ring					
	Kit, coupling		96416594	1		pcs
	Adjusting fork				1	•
8	Coupling cpl.	Dimension: 22/55			1	
9	Hex socket head cap screw	Designation: DIN	N 912			
	nox cooner nead cap coren	Length (mm): 25				
		Thread: M10				
10a	Coupling half	11110dd. 11110				
100	Kit, coupling guard		96505135	1		pcs
7a	Socket button head screw		00000100	•	4	poc
7	Coupling guard				2	
'	Kit, cover		98832448	1		pcs
58a	Hex socket head cap screw	Designation: DIN 91			4	po
Jua	Hex socket flead cap screw	Length (mm): 25	۷.		_	
		Thread: M10				
58	Cover	Tillead. WTO			1	
50			06446500	4	1	200
	Kit, gaskets		96416599	1	_	pcs
^-	Adjusting fork				1	
37	O-ring	<b>D</b> : 400			2	
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				
60	Spring				4	
109	O-ring				1	
110	O-ring	Diameter: 21,2			1	
		Material type: EPDM				
		Thickness: 3,55				
	Kit, impeller		98634001	1		pcs
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
49	Impeller				1	
	Kit, Impeller, reduced diamete		98634018	1		pcs
48	Nut				1	
48	Nut				1	



Pos	Description Split cane	Annotation Classification Data Part no	. Qt	<b>y.</b>	un
49b	Split cone			1	
49a	Impeller, reduced diameter			1	
	Impeller hub				
49c	Wear ring				
	Kit, plug	965051	36 1		pc
18	Air vent screw			1	
	Spindle				
	Plug				
25	Plug			4	
25	Plug			1	
38	O-ring	Diameter: 16,3		2	
		Material type: FKM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		4	
		Material type: FKM		-	
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		6	
50	∪ iiiig	Material type: FKM		J	
		Thickness: 2,4			
20	O ring	Diameter: 16,3		2	
38	O-ring			2	
		Material type: EPDM			
		Thickness: 2,4			
38	O-ring	Diameter: 16,3		4	
		Material type: EPDM			
		Thickness: 2,4			
	Kit, shaft seal HQQE	965254	58 1		pc
	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	984974	75 1		рс
45	Seal ring			10	)
47d	Lock ring			10	)
47c	Bush			7	
49c	Wear ring			10	)
65	Top f/neck ring			10	)
	Motor		1		рс
156	Kit, fan	980	62265	1	۲۰
151	Kit, fan cover		062275	1	
156b	-		062279	1	
1000	Kit, lubrication nipple				
450	Kit, lubrication nipple		062531	1	
156a	Kit, ND-end shield cpl.		062517	1	
159b	Kit, seal ring		062551	1	
176	Kit, terminal board		062236	1	
164a	Kit, terminal box		062262	1	
1a	Motor stool	989676	71 1		рс
2	Pump head	965877	26 1		рс
3	Upper chamber cpl.	986340	48 1		рс
47c	Bulk, Bush (10 pcs)	993	321194	1	
4	Bulk, Intermediate chamber cpl. (3 pcs)	993352			рс
45a	Bulk, Neck ring cpl. (10 pcs)		547392	1	,. •
4a	Bulk, Intermediate chamber cpl. (5 pcs)	992629		•	рс
44	Intermediate chamber cpl. (5 pcs)	986340			•
					pc
6	Base	993472			рс
7a	Bulk, Socket button head screw (10 pcs)	965496	<b>90 4</b>		рс



	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	2	pcs
				Thickness: 1,6			
	26c	Washer		Designation: DIN 125A	96586880	2	pcs
				Thickness: 1,6			
	26b	Bulk, Hex socket head cap screw (10 pcs)			98931380	2	pcs
	26a	Strap cpl.		Length (mm): 729	98983883	2	pcs
				Thread: M8			
	26	Staybolt		Length (mm): 950	98976723	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	4	pcs
				Thread: M16			
	32	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	8	pcs
				Internal diameter: 17			
				Outer diameter: 30			
				Thickness: 3			
	36	Bulk, Hex nut (20 pcs)		Thread: M16	96620480	4	pcs
	38	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	pcs
				Material type: EPDM			
				Thickness: 2,4			
	38	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pcs
				Material type: EPDM			
				Thickness: 2,4			
-	44	Suction interconnector cpl.			98634055	1	pcs
	45	Bulk, Seal ring (10 pcs)			979114	148	1
	45	Bulk, Seal ring (10 pcs)			965359	952	1
	65	Bulk, Top f/neck ring (10 pcs)			965473	390	1
+	47a	Bulk, Bearing cpl. (5 pcs)			99270649	2	pcs
+	47a	Bulk, Bearing cpl. (10 pcs)			96535951	2	pcs
	48	Bulk, Nut (3 pcs)			99262680	1	pcs
	48	Bulk, Nut (10 pcs)			99262683	1	pcs
	48	Bulk, Nut (10 pcs)			96536016	1	pcs
	49b	Bulk, Split cone (10 pcs)			96536010	1	pcs
	49a	Bulk, Impeller, reduced diameter (5 pcs)			96535957		pcs
	49c	Bulk, Wear ring (10 pcs)			965359		1
	49a	Impeller, reduced diameter			98585277		pcs
	55	Outer sleeve			98820357		pcs
	56	Base plate			96587696		pcs
	58	Cover			98893158		pcs
	60	Bulk, Spring (20 pcs)			96536032		pcs
	105	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086		pcs
-	103	Adjusting fork		material type. HQQE	965878		1
	109	Bulk, O-ring (10 pcs)			965475		1
				Material type: HQQE			
	105	Bulk, Shaft seal (12 pcs)		iviateriai type. HQQE	96984070		pcs
	440b	Bulk, Lock ring (4 pcs)			96535943	Т	pcs