

Date: 18/02/2019

Qty. | Description

1 | CRN 150-3-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 95922409

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. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via DIN flanges.

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

Further product details

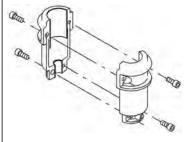
Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An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

- 1) Alkaline-based cleaning.
- 2) Zinc phosphating.
- 3) Cathodic electro-deposition.
- 4) Curing to a dry film thickness 18-22 my m.

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

Pump

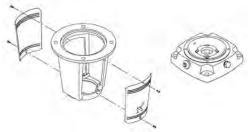
A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



The motor stool connects the pump head and motor. The pump head has a combined 1/2" priming plug and vent screw.



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

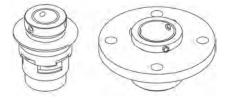
Primary seal:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

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

Secondary seal material: EPDM (ethylene-propylene rubber)

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



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

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

The 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.



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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

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: 150 m³/h
Rated head: 50.7 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE

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

Materials:

Base: 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 125
Size of outlet connection: DN 125
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



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Qty. | Description

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

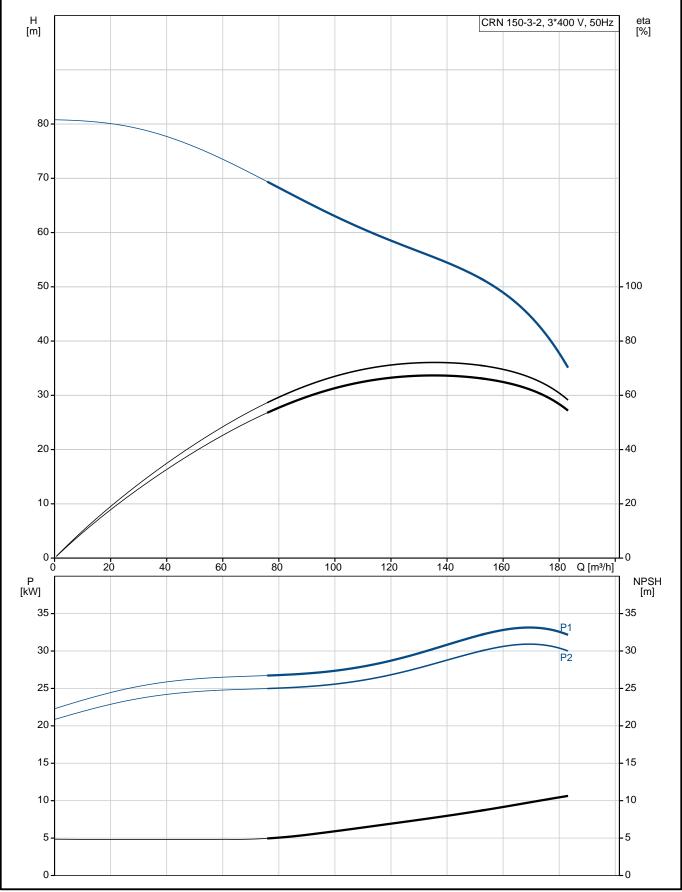
Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 357 kg
Gross weight: 418 kg
Shipping volume: 1.02 m³



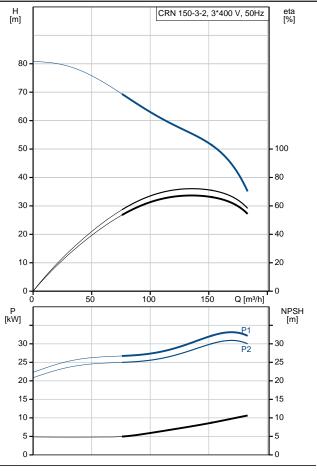
Date: 18/02/2019

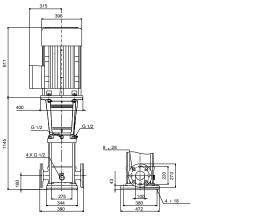
95922409 CRN 150-3-2 A-F-A-E-HQQE 50 Hz

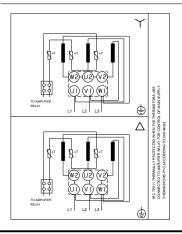




| Description | Value |
|--|----------------------------|
| Description General information: | Value |
| | CRN 150-3-2 |
| Product name: | A-F-A-E-HQQE |
| Product No: | 95922409 |
| EAN number: | 5700838936292 |
| Technical: | |
| Pump speed on which pump data are | 2951 rpm |
| based: | · |
| Rated flow: | 150 m³/h |
| Rated head: Head max: | 50.7 m 78.2 m |
| | 3 |
| Stages: Impellers: | 3 |
| · | 2 |
| Number of reduced-diameter impellers: 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: | Λ |
| Base: | Stainless steel |
| Dasc. | EN 1.4408 |
| | AISI 316 |
| Impeller: | Stainless steel |
| ппропот. | 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 |
| Max pressure at stated temp: | 30 bar / 120 °C |
| | 30 bar / -40 °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: | FF350 |
| Connect code: | F |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -40 120 °C |
| Liquid temperature during operation: | 20 °C |
| Density: | 998.2 kg/m³ |
| 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 |
| | |







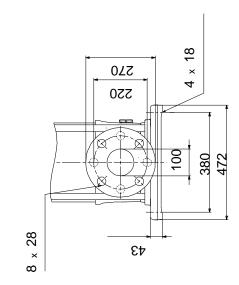


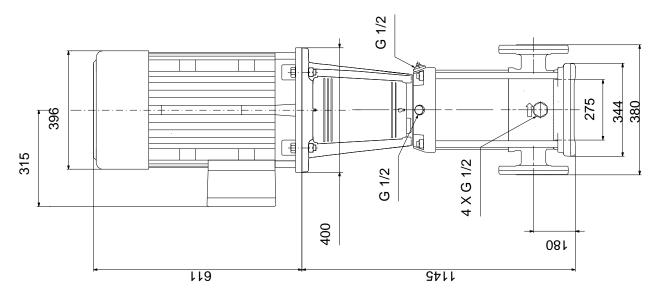
| Description | Value |
|----------------------------------|-----------------|
| Starting current: | 660-660 % |
| Cos phi - power factor: | 0.87 |
| Rated speed: | 2955 rpm |
| Efficiency: | IE3 93,3% |
| Motor efficiency at full load: | 93.3-93.3 % |
| Motor efficiency at 3/4 load: | 93.6-93.6 % |
| 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: | 357 kg |
| Gross weight: | 418 kg |
| Shipping volume: | 1.02 m³ |



Date: 18/02/2019

95922409 CRN 150-3-2 A-F-A-E-HQQE 50 Hz



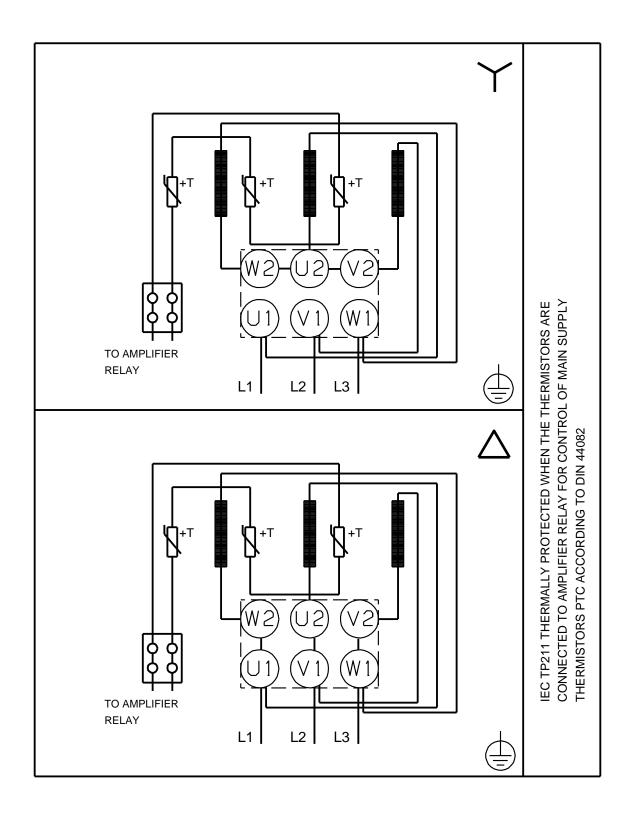


Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date: 18/02/2019

95922409 CRN 150-3-2 A-F-A-E-HQQE 50 Hz



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



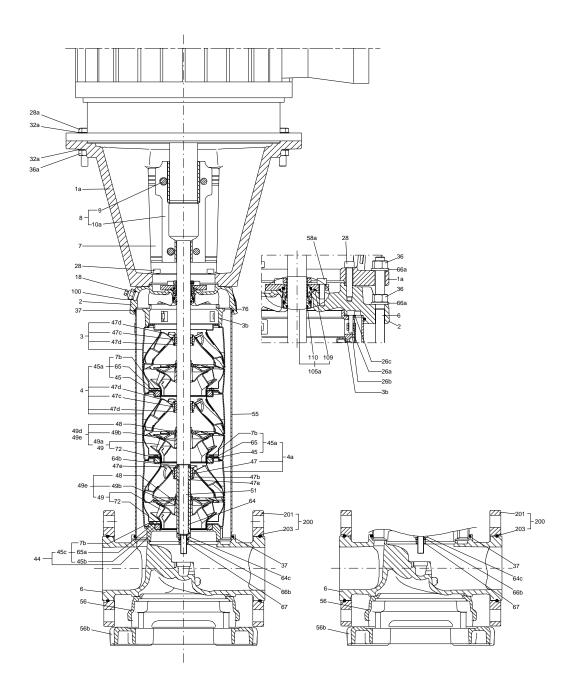
Date: 18/02/2019

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



Date: 18/02/2019

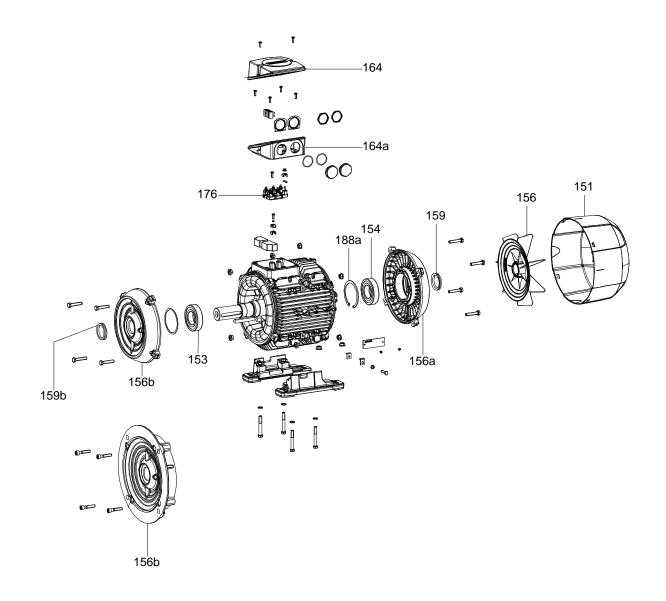
(TM065579 XLCR)





Date: 18/02/2019

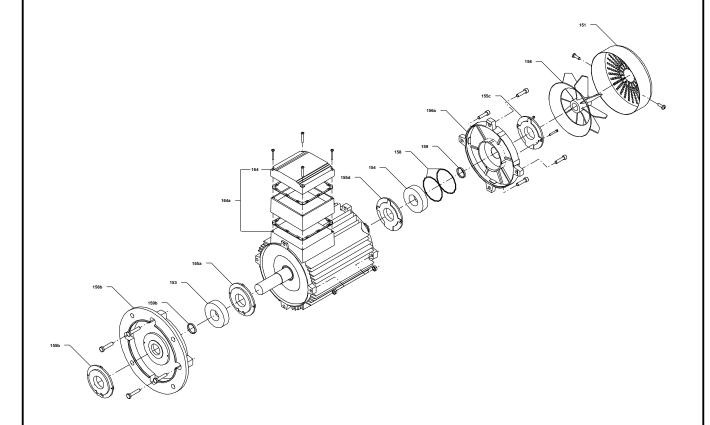
(TM058162)





Date: 18/02/2019

(tm019382 3200)



TM019382



Date: 18/02/2019

Spare parts CRN 150-3-2, Product No. 95922409 Valid from 31.3.2011 (1113)

| Pos | Description | Annotation | Classification Data | Part no. | Qty. | |
|-----------|-------------------------------|------------|----------------------|------------|------|----|
| | Base | | | 96587699 | 1 | рс |
| | Kit, bearing | | | 96752215 | | рс |
| | Adjusting fork | | | | 1 | |
| | Adjusting fork | | | | 1 | |
| 47e | Washer | | Internal diameter: D | 022 | 2 | |
| | | | Outer diameter: D32 | | | |
| 47b | Bearing ring, rotating | | | | 1 | |
| | Kit, chamber stack | | | 95059860 | | pc |
| 80 | Chamber stack | | | | 1 | |
| | Shaft cpl. | | Diameter: D22 | | | |
| | | | Length (mm): 731,5 | | | |
| 47e | Washer | | Internal dia | meter: D22 | | |
| | | | Outer diameter: D32 | | | |
| 47b | Bearing ring, rotating | | | | | |
| 51 | Pump shaft | | Diameter: D | 022 | | |
| | | | Length (mm): 731,5 | | | |
| 64c | Spacer ring | | | | | |
| 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. | | | | | |
| | O-ring | | Diameter: 4 | 2 | | |
| | - | | Material type: FKM | | | |
| | | | Thickness: 4 | | | |
| 7a | Cross recess Pan head screw | V | | | | |
| 45 | Neck ring | | | | | |
| 47 | Bearing ring | | | | | |
| 65a | Retainer | | | | | |
| 4 | Chamber cpl. | | | | | |
| 7a | Cross recess Pan head screw | V | | | | |
| 45 | Neck ring | | | | | |
| 47d | Locking ring | | | | | |
| 47c | Bush | | | | | |
| 65a | Retainer | | | | | |
| 7a | Cross recess Pan head screw | | | | | |
| 26c | Washer | | Designation: DI | N 125A | | |
| _00 | | | Thickness: 1,6 | | | |
| 26b | Hex socket head cap screw | | 1110101000. 1,0 | | | |
| 26a | Strap cpl. | | Length (mm): 5 | 16.5 | | |
| 44a | Discharge part | | Longur (min). 5 | , | | |
| 44a 44 | Inlet part | | | | | |
| 74 | Inlet part | | | | | |
| 15h | | | | | | |
| 45b | Neck ring | | | | | |
| 49e | Impeller cpl. | | | | | |
| 49c | Wear ring | | | | | |
| 49d | Impeller cpl. | | | | | |
| 48 | Split cone nut | | | | | |
| 49b | Split cone | | | | | |
| 49.a | Impeller cpl. reduced diamete | er | | | | |



| Pos | Description | Annotation Classification Data P | art no. | Qty | . Uni |
|---------|-----------------------------|----------------------------------|---------|-----|-------|
| 49c | Wear ring | | | | |
| 65a | Retainer | | | | |
| | Kit, chambers | 9 | 6751985 | | pcs |
| | Adjusting fork | | | | 1 |
| | Adjusting fork | | | | 1 |
| 4a | Chamber cpl. | | | | 1 |
| | O-ring | Diameter: 42 | | | |
| | | Material type: FKM | | | |
| | | Thickness: 4 | | | |
| 7a | Cross recess Pan head screw | | | | |
| 45 | Neck ring | | | | |
| 47 | Bearing ring | | | | |
| 65a | Retainer | | | | |
| _ | Kit, coupling | 9 | 6416594 | 1 | pcs |
| | Adjusting fork | | | | 1 |
| - 8 | Coupling cpl. | Dimension: 22/55 | | | 1 |
| 9 | Hex socket head cap screw | Designation: DIN 9 | 12 | | • |
| | Tiex socket flead cap selew | Length (mm): 25 | 12 | | |
| | | Thread: M10 | | | |
| 10a | Coupling half | Tilleau. WTO | | | |
| IUa | | 0 | 6505135 | 1 | 200 |
| - 7- | Kit, coupling guard | 9 | 0000130 | | pcs |
| 7a - | Socket button head screw | | | | 4 |
| 7 | Coupling guard | | | | 2 |
| + | Kit, cover | | 8832448 | | pcs |
| - | Kit, gaskets | 9 | 5059804 | | pcs |
| | Adjusting fork | | | | 1 |
| | Adjusting fork | | | | 1 |
| 37 | O-ring | | | | 2 |
| 38 | O-ring | Diameter: 16,3 | | | 4 |
| | | Material type: EPDM | | | |
| | | Thickness: 2,4 | | | |
| 38 | O-ring | Diameter: 16,3 | | | 2 |
| | - | Material type: EPDM | | | |
| | | Thickness: 2,4 | | | |
| 60 | Spring | , | | | 4 |
| 109 | O-ring | | | | 1 |
| 109 | O-ring | Material type: EPDM | | | 1 |
| 110 | O-ring | material type: 2: 2:: | | | 1 |
| 110 | O-ring | Diameter: 21,5 | | | 1 |
| 110 | O Tillig | Material type: EPDM | | | ' |
| | | Thickness: 4,25 | | | |
| | Vit plug | • | 6505136 | 1 | 200 |
| 10 | Kit, plug Air vent screw | 9 | 0000130 | | pcs |
| - 18 | | | | | 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 |
| | - ·····8 | Material type: FKM | | | |
| | | Thickness: 2,4 | | | |
| 20 | O ring | Diameter: 16,3 | | | 2 |
| 38 | O-ring | | | | _ |
| | | Material type: EPDM | | | |
| | | Thickness: 2,4 | | | |



| Pos | Description | • | . L | Jr |
|------|-----------------------------|-----------------------------|--------|-----|
| 38 | O-ring | Diameter: 16,3 | 4 | |
| | | Material type: EPDM | | |
| | 100 1 6 | Thickness: 2,4 | | |
| | Kit, shaft | 98368857 1 | р | ıC |
| | Shaft cpl. | Diameter: D22 | 1 | |
| | | Length (mm): 731,5 | | |
| 47e | Washer | Internal diameter: D22 | | |
| | 5 | Outer diameter: D32 | | |
| 47b | Bearing ring, rotating | Di . Doo | | |
| 51 | Pump shaft | Diameter: D22 | | |
| | | Length (mm): 731,5 | | |
| 64c | Spacer ring | | | |
| 64b | Wedge lock washer | | | |
| 64b | Lock washer | | | |
| 64 | Spacing bush | | | |
| 67 | Hex nut | Thread: M14 | | |
| 47e | Washer | Internal diameter: D22 | 2 | |
| | | Outer diameter: D32 | | |
| 47b | Bearing ring, rotating | | 1 | |
| 51 | Pump shaft | Diameter: D22 | 1 | |
| | | Length (mm): 731,5 | | |
| 64c | Spacer ring | | 1 | |
| 64b | Wedge lock washer | | 1 | |
| 64b | Lock washer | | 1 | |
| 64 | Spacing bush | | 1 | |
| 67 | Hex nut | Thread: M14 | 1 | |
| | Kit, shaft seal HQQE | 96525458 1 | р | oc |
| | Grinding device | | 1 | |
| 105 | Shaft seal | Material type: HQQE | 1 | |
| | Adjusting fork | | | |
| 109 | O-ring | | | |
| 110 | O-ring | Diameter: 21,5 | | |
| | 3 | Material type: EPDM | | |
| | | Thickness: 4,25 | | |
| | Kit, wear parts | 95059810 1 | р | oc |
| | Adjusting fork | ******* | 1 | |
| | Adjusting fork | | 1 | |
| 7a | Cross recess Pan head screw | | 9 | |
| 45 | Neck ring | | 3 | |
| 47d | Locking ring | | 4 | |
| 47c | Bush | | 2 | |
| 47b | Bearing ring, rotating | | 1 | |
| 49c | Wear ring | | 3 | |
| 65a | Retainer | | 3 | |
| JJa | Bulk, Gasket (10 pcs) | 99158755 1 | э р | ١. |
| | Motor | 1 | p | |
| 156 | Kit, fan | | 1 | , (|
| 151 | Kit, fan cover | 98062275 | • | |
| 156b | | 98062279 | | |
| 1300 | Kit, flange | | | |
| 150- | Kit, lubrication nipple | 98062531 | | |
| 156a | Kit, ND-end shield cpl. | 98062517 | | |
| 159b | Kit, seal ring | 98062551 | | |
| 176 | Kit, terminal board | 98062236 | | |
| 164a | Kit, terminal box | 98062262 | | |
| | Motor | 1 | р | C |
| 153 | Angular-contact bearing | Designation: 7312B 00ID0375 | 1 | |
| 155b | Bearing cover | 96474946 | | |
| 155d | Bearing cover | 96474946 | 4 | |



| | | Description | Annotation Classification Data | Part no. | | Unit |
|-----|-----------------|--|--------------------------------|-----------|------|------|
| • | 158 | Corrugated spring | | 964749 | 50 2 | 2 |
| • | 156a | End shield | | 986781 | 60 ′ | 1 |
| • | 156b | End shield | | 964749 | 49 ′ | 1 |
| • | 156 | Fan | | 964749 | 47 | 1 |
| | 151 | Fan cover | | 966096 | 59 | 1 |
| | 176 | Terminal board cpl. | | 964764 | | - |
| | 164 | Terminal box cover | | 986427 | | |
| | 164a | | | 986427 | | |
| | | Terminal box cpl. | | | | |
| | 159 | V-ring | | 964749 | | |
| | 154 | Ball bearing | Designation: 6312.C | | | 1 |
| • | 1a | Motor stool | | 98967671 | 1 | pcs |
| 2 | 2 | Pump head | | 97789459 | 1 | pcs |
| + 3 | 3 | Chamber cpl. | | 98371405 | 1 | pcs |
| + 4 | 4a | Chamber cpl. | | 98371409 | 1 | pcs |
| | 4 | Chamber cpl. | | 98371407 | | pcs |
| | 65a | Retainer | | 984616 | | • |
| | | Base | | | | |
| | 6 7 - | | | 97974018 | | pcs |
| | 7a | Bulk, Socket button head screw (10 pcs) | | 96549696 | | pcs |
| 7 | 7 | Bulk, Coupling guard (10 pcs) | | 96603279 | | pcs |
| + ′ | 18 | Bulk, Air vent screw (5 pcs) | | 96547461 | 1 | pcs |
| + ′ | 18 | Air vent screw | | 95061351 | 1 | pcs |
| 2 | 25 | Bulk, Plug (10 pcs) | | 96536013 | 1 | pcs |
| 2 | 26c | Bulk, Washer (4 pcs) | Designation: DIN 125A | 99262704 | 4 | pcs |
| • | _00 | Bain, Traction (1 poo) | Thickness: 1,6 | 00202701 | • | Poo |
| , | 26c | Washer | Designation: DIN 125A | 96586880 | 1 | ncc |
| - | 200 | vvasilei | | 90300000 | 4 | pcs |
| | 1 | B. II. II | Thickness: 1,6 | | _ | |
| | 26b | Bulk, Hex socket head cap screw (10 pcs) | | 98931380 | | pcs |
| 2 | 26a | Strap cpl. | Length (mm): 516,5 | 98984445 | 4 | pcs |
| 2 | 26 | Staybolt | Length (mm): 745,5 | 98976648 | 4 | pcs |
| | | | Thread: M 16 | | | |
| 2 | 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 | 1 | pcs |
| | 20 | Baix, Flex flead screw (20 pcs) | Thread: M16 | 37300343 | | pcs |
| , | 20 | Dulle Machan (400 mac) | | 00000054 | _ | |
| • | 32 | Bulk, Washer (100 pcs) | Designation: DIN 125 A | 98923051 | ŏ | pcs |
| | | | Internal diameter: 17 | | | |
| | | | Outer diameter: 30 | | | |
| | | | Thickness: 3 | | | |
| 3 | 36 | Bulk, Hex nut (20 pcs) | Thread: M16 | 96620480 | 4 | pcs |
| 3 | 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 |
| • | 50 | Dain, O fing (oo pos) | | JJT 12/2/ | _ | pus |
| | | | Material type: EPDM | | | |
| | | Discharge | Thickness: 2,4 | 0005055 | | |
| | 44a | Discharge part | | 99052574 | | pcs |
| + 4 | 44 | Inlet part | | 99106112 | | pcs |
| + 4 | 49e | Bulk, Impeller cpl. (5 pcs) | | 96915630 | 1 | pcs |
| + 4 | 49e | Impeller cpl. | | 96903236 | 1 | pcs |
| | 49d | Bulk, Impeller cpl. (5 pcs) | | 96917049 | | pcs |
| | 48 | Bulk, Split cone nut (10 pcs) | | 965513 | | 1 |
| | 49d | Impeller cpl. | | 96907108 | | |
| | | | Outor diameter 225 | | | pcs |
| | 55 | Outer sleeve | Outer diameter: 225 | 98676211 | 1 | pcs |
| | | | Length (mm): 540 | | | |
| 5 | 56b | Base plate | | 99048161 | 1 | pcs |
| | | Base plate | | 97789433 | 1 | pcs |
| Ę | 56 | base plate | | 31103433 | • | POO |



| | Pos | Description | Annotation | Classification Data | Part no. | Qty. | Unit |
|---|------|---------------------------|------------|---------------------|----------|------|------|
| | 60 | Bulk, Spring (20 pcs) | | | 96536032 | 4 | pcs |
| | 65a | Retainer | | | 98461640 | 1 | pcs |
| - | 105 | Bulk, Shaft seal (12 pcs) | | Material type: HQQE | 96984086 | 1 | pcs |
| | | Adjusting fork | | | 965878 | 96 1 | |
| | 109 | Bulk, O-ring (10 pcs) | | | 965475 | 86 1 | |
| + | 105 | Bulk, Shaft seal (12 pcs) | | Material type: HQQE | 96984070 | 1 | pcs |
| | 440b | Bulk, Lock ring (4 pcs) | | | 96547435 | 1 | pcs |