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Grundfos CRN 32-14-2 A-F-A-E-HQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/crn/grundfos-crn-32-14-2-a-f-a-e-hqqe>

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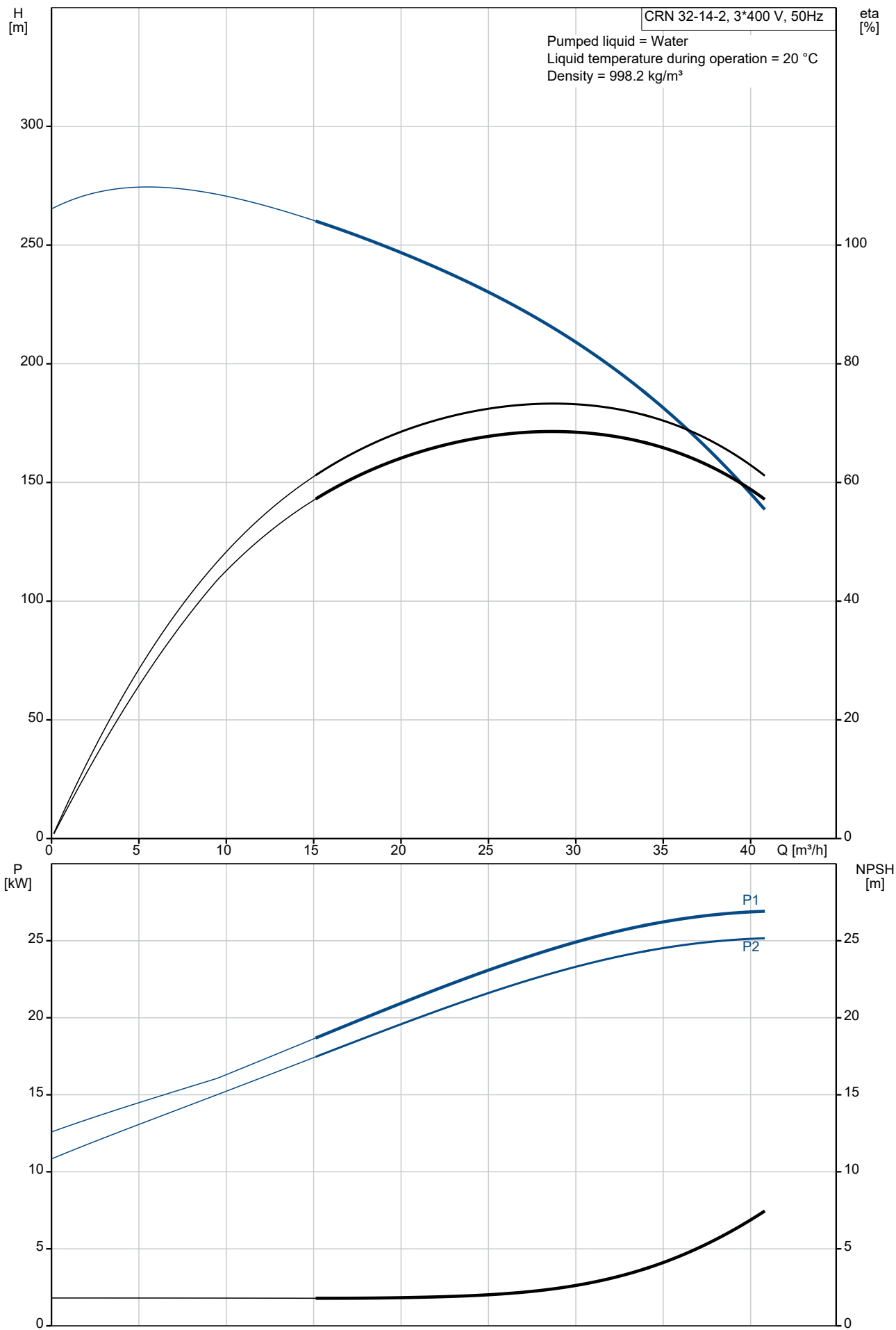
Datasheet



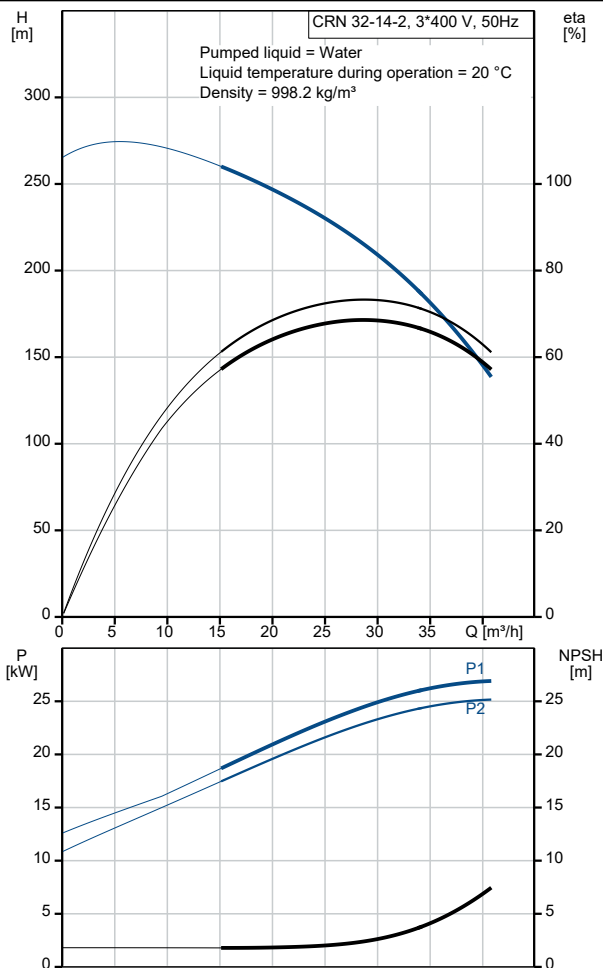
Qty.	Description
1	CRN 32-14-2 A-F-A-E-HQQE  Product No.: 96122376 Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: - Impellers, intermediate chambers and outer sleeve are made of Impeller: Stainless steel, EN 1.4401. - Pump head cover and base are made of Pump housing: Stainless steel, EN 1.4408. - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. Flange standard: - Pipework connection is via DIN flanges/couplings. Phase: The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -40 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 2951 rpm Rated flow: 30 m³/h Rated head: 212 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CE,EAC,UKCA,WRAS,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

Qty.	Description
	Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for 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: 0.86 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): IP55 Insulation class (IEC 85): F Motor No: 81U15332 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 335 kg Gross weight: 385 kg Shipping volume: 1.13 m³ Danish VVS No.: 385916142 Country of origin: DK Custom tariff no.: 84137075

96122376 CRN 32-14-2 A-F-A-E-HQQE 50 Hz

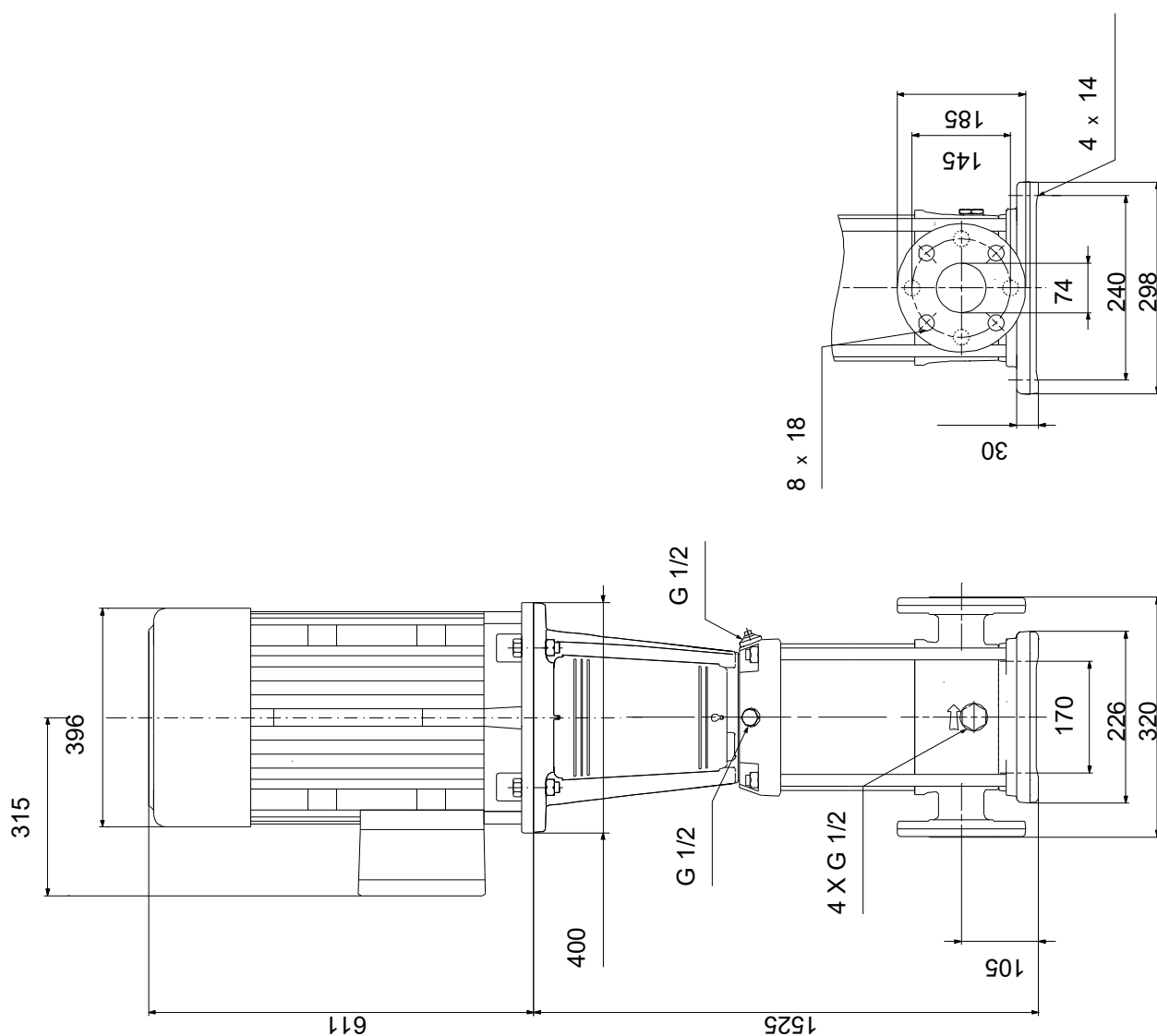


Description	Value
General information:	
Product name:	CRN 32-14-2 A-F-A-E-HQQE
Product No:	96122376
EAN number:	5700396684208
Technical:	
Pump speed on which pump data are based:	2951 rpm
Rated flow:	30 m³/h
Rated head:	212 m
Maximum head:	266.4 m
Stages:	14
Impellers:	14
Number of reduced-diameter impellers:	2
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE,EAC,UKCA,WRAS,ACS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	B
Materials:	
Base:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	EN 1.4401
Impeller:	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
Max pressure at stated temp:	30 bar / -40 °C
Type of connection:	DIN
Size of inlet connection:	DN 65
Size of outlet connection:	DN 65
Pressure rating for connection:	PN 40
Flange size for motor:	FF350
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-40 .. 120 °C
Selected liquid temperature:	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
Starting current:	660-660 %
Cos phi - power factor:	0.86
Rated speed:	2955 rpm
Efficiency:	IE3 93,3%
Motor efficiency at full load:	93.3-93.3 %



Description	Value
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):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15332
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	335 kg
Gross weight:	385 kg
Shipping volume:	1.13 m ³
Danish VVS No.:	385916142
Country of origin:	DK
Custom tariff no.:	84137075

96122376 CRN 32-14-2 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.

Spare parts CRN 32-14-2, Product No. 96122376
Produced After 1410 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Base			98925061	1	pcs
6	Base				1	
- 80	Chamber stack			96416930	1	pcs
- 80	Chamber stack				1	
- 3	Upper chamber cpl.				1	
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
47d	Lock ring					
47c	Bush					
- 4a	Intermediate chamber cpl.				3	
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
45a	Neck ring cpl.					
47	Bearing					
- 4	Intermediate chamber cpl.				10	
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
45a	Neck ring cpl.					
47d	Lock ring					
47c	Bush					
26c	Washer		Designation: DIN 125A		2	
			Thickness: 1,6			
26b	Hex socket head cap screw				2	
26a	Strap cpl.		Length (mm): 989		2	
			Thread: M8			
- 44	Suction interconnector cpl.				1	
44a	Suction interconnector					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
- 47a	Bearing cpl.				3	
	Driver					
	Holder					
	Disc spring					
	Bearing ring					
- 49e	Impeller cpl.				12	
48	Nut					
49b	Split cone					
- 49	Impeller					
	Impeller hub					
49c	Wear ring					
- 49d	Impeller cpl. reduced diameter				2	
48	Nut					
49b	Split cone					
- 49a	Impeller					
	Impeller hub					
49c	Wear ring					

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
51	Shaft				1	
-	Kit, chambers			98633738	1	pcs
- 4a	Intermediate chamber cpl.				1	
	Guide cup				1	
	Guide cup				1	
	Cone				1	
	Guide				10	
	Chamber				1	
	Chamber				1	
45a	Neck ring cpl.				1	
47	Bearing				1	
- 47a	Bearing cpl.				1	
	Driver				1	
	Holder				1	
	Disc spring				1	
	Bearing ring				1	
-	Kit, coupling			96416594	1	pcs
	Adjusting fork				1	
- 8	Coupling cpl.		Dimension: 22/55		1	
9	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 25			
			Thread: M10			
10a	Coupling half				2	
-	Kit, coupling guard			96505135	1	pcs
7a	Socket button head screw				4	
7	Coupling guard				2	
-	Kit, cover			98832448	1	pcs
58a	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 25			
			Thread: M10			
58	Cover				1	
-	Kit, gaskets			96416597	1	pcs
	Adjusting fork				1	
37	O-ring				2	
38	O-ring				2	
38	O-ring				4	
60	Spring				4	
109	O-ring				1	
110	O-ring		Diameter: 21,2		1	
			Material type: EPDM			
			Thickness: 3,55			
-	Kit, impeller			98633780	1	pcs
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
- 49	Impeller				1	
	Impeller hub				1	
49c	Wear ring				1	
-	Kit, Impeller, reduced			98633836	1	pcs
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
- 49a	Impeller				1	
	Impeller hub				1	
49c	Wear ring				1	
-	Kit, plug			96505136	1	pcs
- 18	Air vent screw				1	
	Spindle				1	
	Plug				1	
25	Plug				4	
25	Plug				1	
38	O-ring				2	
38	O-ring				4	
38	O-ring		Diameter: 16,3		2	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
			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	
			Material type: FKM			
			Thickness: 2,4			
-	Kit, shaft seal HQQE			96525458	1	pcs
	Grinding device				1	
- 105	Shaft seal		Material type: HQQE		1	
	Adjusting fork				1	
109	O-ring				1	
110	O-ring		Diameter: 21,5		1	
			Material type: EPDM			
			Thickness: 4,25			
-	Kit, wear parts			98497453	1	pcs
45	Seal ring				14	
47d	Lock ring				14	
47c	Bush				11	
49c	Wear ring				14	
65	Top f/neck ring				14	
-	Motor			99759457	1	pcs
156	Kit, fan			98062265	1	
151	Kit, fan cover			98062275	1	
156b	Kit, flange			98062279	1	
	Kit, lubrication nipple			98062531	1	
156a	Kit, ND-end shield cpl.			98062517	1	
159b	Kit, seal ring			98062551	1	
176	Kit, terminal board			98062236	1	
164a	Kit, terminal box			98062262	1	
1a	Motor stool			98967671	1	pcs
2	Pump head			98593646	1	pcs
- 3	Upper chamber cpl.			98633870	1	pcs
47c	Bush			99321194	1	
+ 4	Intermediate chamber cpl.			99481487	10	pcs
- 4a	Intermediate chamber cpl.			99262783	3	pcs
47	Bearing			99964632	1	
47	Bearing			99928986	1	
- 4	Intermediate chamber cpl.			99481488	10	pcs
45a	Neck ring cpl.			96547322	1	
+ 4	Intermediate chamber cpl.			98633840	10	pcs
- 6	Base cpl.		Rubber type: EPDM	96587693	1	pcs
25	Plug			96536013	4	
37	O-ring			96536149	1	
38	O-ring			99198815	4	
38	O-ring			99412727	4	
56	Base plate			96587691	1	
7a	Socket button head screw			96549696	4	pcs
7	Coupling guard			96603279	2	pcs
9	Hex socket head cap screw		Designation: DIN 912	99789390	4	pcs
			Length (mm): 25			
			Thread: M10			
+ 18	Air vent screw			96547461	1	pcs
+ 18	Air vent screw			95061351	1	pcs
25	Plug			96536013	1	pcs
26c	Washer		Designation: DIN 125A	99262704	2	pcs
			Thickness: 1,6			
26c	Washer		Designation: DIN 125A	99886930	2	pcs
			Thickness: 1,6			
26b	Hex socket head cap screw			98931380	2	pcs
26a	Strap cpl.		Length (mm): 989	98983867	2	pcs
			Thread: M8			
26	Staybolt		Length (mm): 1192	98698636	4	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
26	Staybolt		Thread: M16 Length (mm): 1192	98976692	4	pcs
28	Hex socket head cap screw		Thread: M16 Designation: DIN 912 Length (mm): 50	96536147	4	pcs
28	Hex head screw		Thread: M10	99869043	2	pcs
28	Hex head screw		Length (mm): 60	97506949	2	pcs
32	Washer		Thread: M16 Designation: DIN 125 A2 Internal diameter: 17 Outer diameter: 30 Thickness: 3	99944260	4	pcs
32	Washer		Designation: DIN 125 A Internal diameter: 17 Outer diameter: 30 Thickness: 3	98923051	8	pcs
36	Nut		Thread: M16	99944257	4	pcs
36	Hex nut		Thread: M16	96620480	4	pcs
37	O-ring			96536149	1	pcs
38	O-ring			99198815	2	pcs
38	O-ring			99412727	2	pcs
- 44	Suction interconnector cpl.			98633886	1	pcs
45	Seal ring			97915217	1	
65	Top f/neck ring			96534931	1	
+ 47a	Bearing cpl.			99366796	3	pcs
+ 47a	Bearing cpl.			99620191	3	pcs
+ 47a	Bearing cpl.			96534932	3	pcs
- 49e	Impeller cpl.			98394326	12	pcs
+ 49	Impeller			96534933	1	
- 49d	Impeller cpl. reduced diameter			98394466	2	pcs
48	Nut			99262680	1	
48	Nut			99262683	1	
48	Nut			96536016	1	
49b	Split cone			96536010	1	
- 49a	Impeller			96547325	1	
49c	Wear ring			96534930	1	
51	Shaft			98506299	1	pcs
55	Outer sleeve		Outer diameter: 197 Length (mm): 1005,5	99049231	1	pcs
58	Cover			98893158	1	pcs
60	Spring			96536032	4	pcs
- 105	Shaft seal		Material type: HQQE	96984086	1	pcs
	Adjusting fork			96587896	1	
109	O-ring			99651108	1	
109	O-ring			96547586	1	
+ 105	Shaft seal		Material type: HQQE	96984070	1	pcs
440b	Lock ring			96534918	1	pcs