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Inventflow: Grundfos A-partner

Grundfos CR 32-14 A-F-A-E-HQQE

Find the pump here:

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

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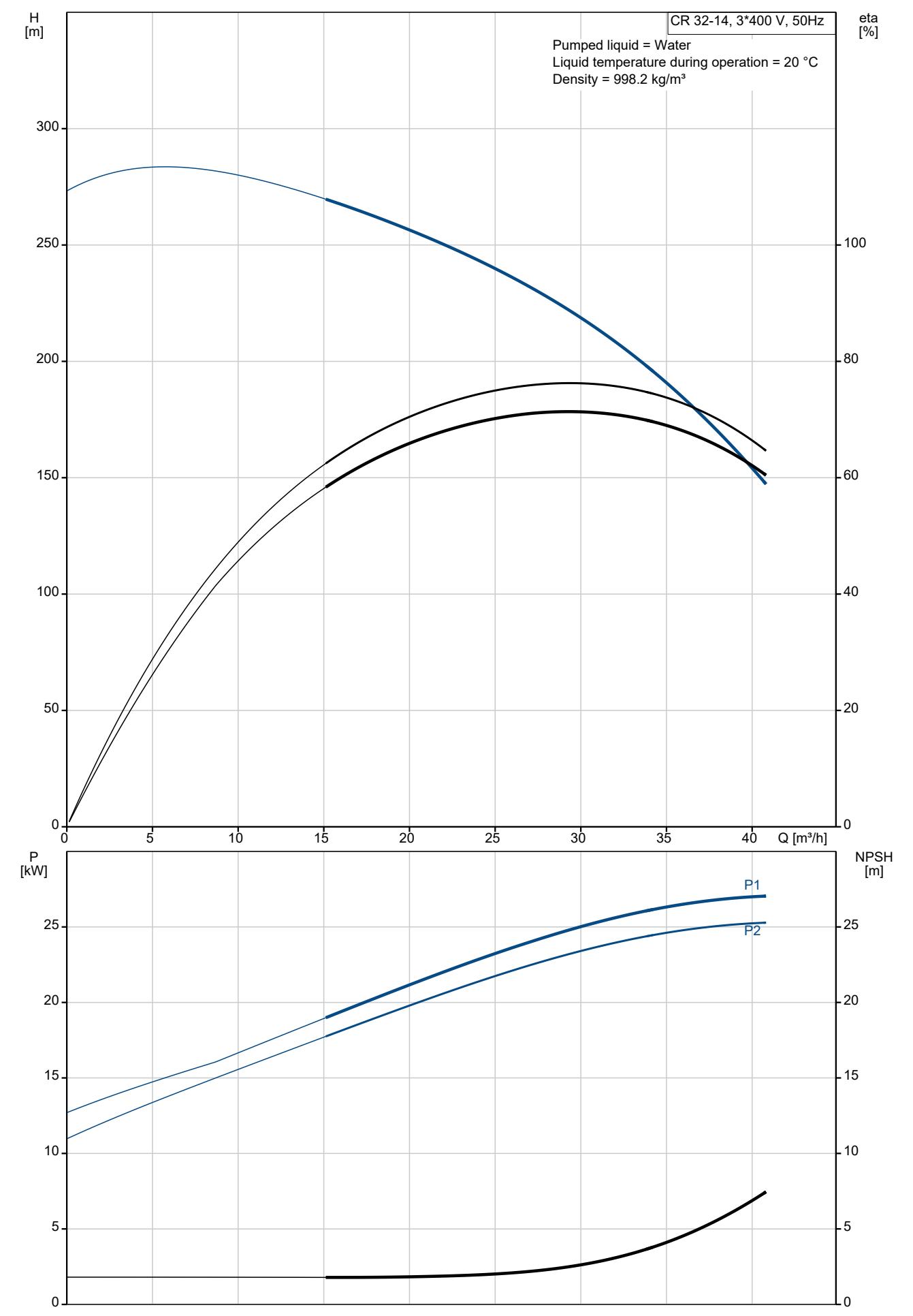
Datasheet



Qty.	Description
1	CR 32-14 A-F-A-E-HQQE  Note! Product picture may differ from actual product Product No.: 96122033 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 and intermediate chambers are made of Stainless steel, EN 1.4301. Impeller: Stainless steel, EN 1.4301. Pump housing: - Pump head and base are made of Cast iron. - 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. Phase: The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -30 .. 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: 218.1 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: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC Support bearing: Graflon Installation:

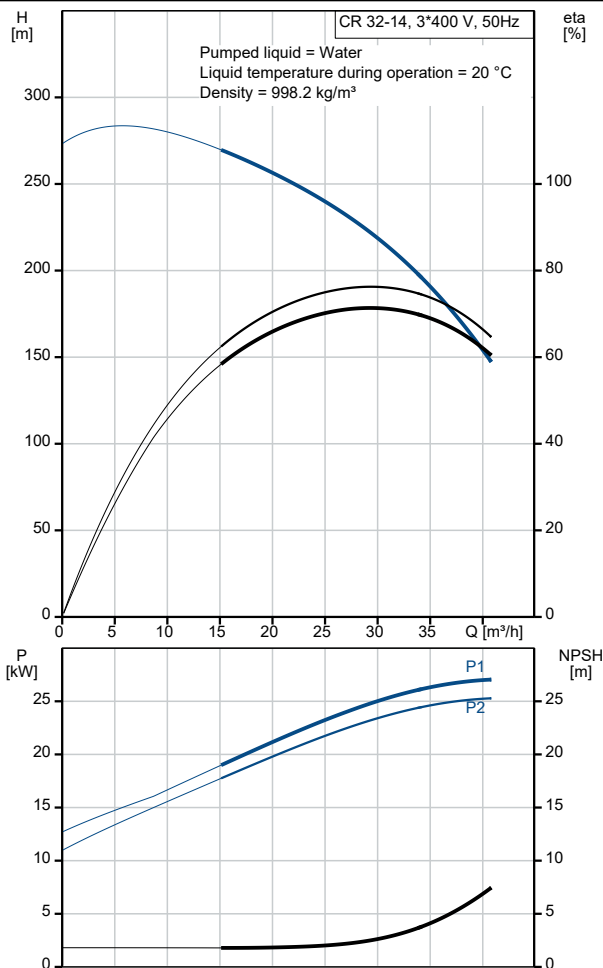
Qty.	Description
	Maximum ambient temperature: 55 °C Maximum operating pressure: 30 bar Max pressure at stated temp: 30 bar / 120 °C 30 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for connection: PN 40 Flange size for motor: FF350 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: 332 kg Gross weight: 383 kg Shipping volume: 1.13 m³ Danish VVS No.: 385906140 Swedish RSK No.: 5824895 Finnish LVI No.: 4925482 Country of origin: DK Custom tariff no.: 84137075

96122033 CR 32-14 A-F-A-E-HQQE 50 Hz



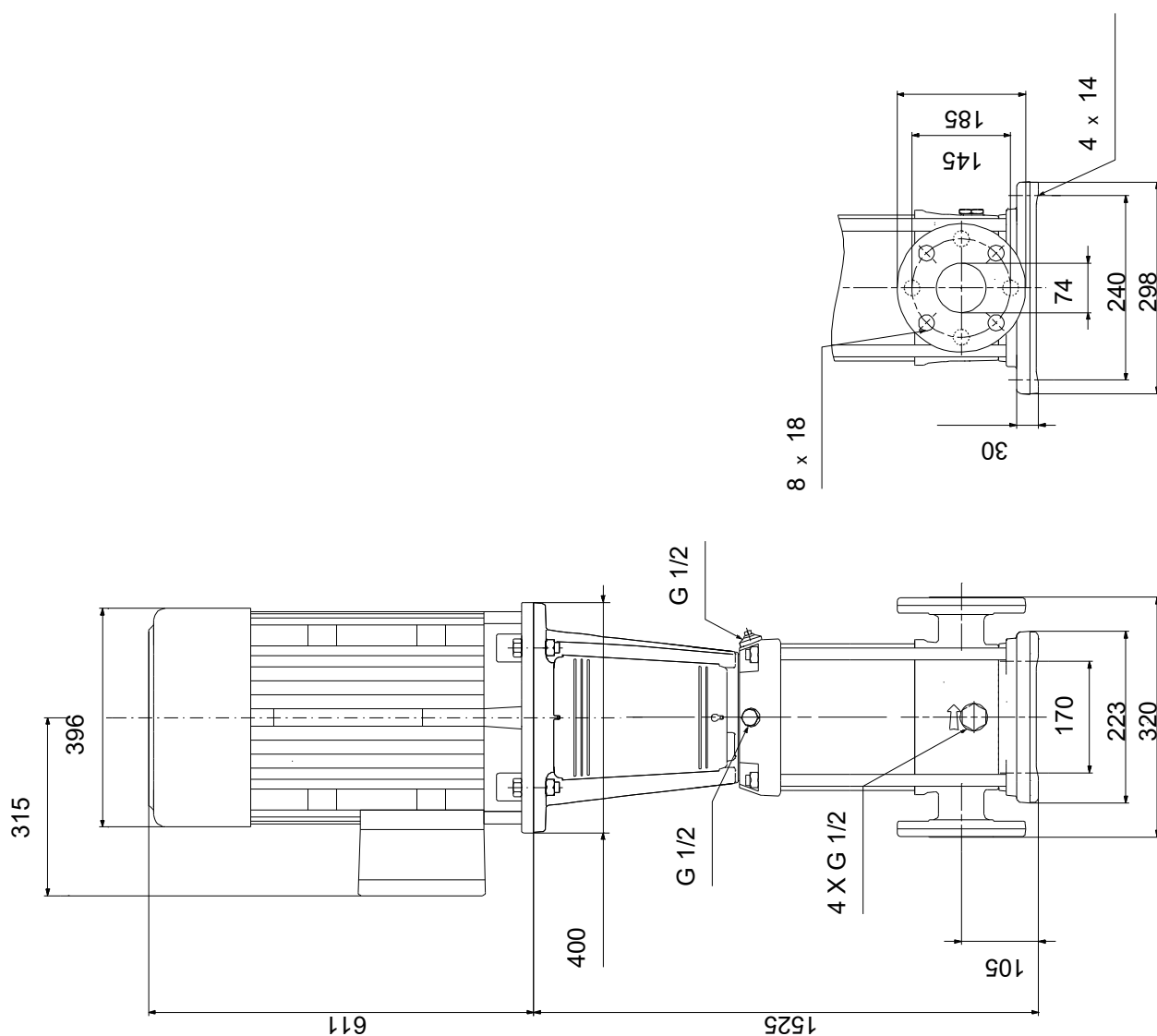
Description	Value
General information:	
Product name:	CR 32-14 A-F-A-E-HQQE
Product No:	96122033
EAN number:	5700396680774
Technical:	
Pump speed on which pump data are based:	2951 rpm
Rated flow:	30 m³/h
Rated head:	218.1 m
Maximum head:	274.7 m
Stages:	14
Impellers:	14
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CE,EAC,UKCA,WRAS,A CS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	B
Materials:	
Base:	Cast iron
Base:	EN 1563 EN-GJS-500-7
Base:	ASTM A536 80-55-06
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
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 / -30 °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:	-30 .. 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 %

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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:	332 kg
Gross weight:	383 kg
Shipping volume:	1.13 m ³
Danish VVS No.:	385906140
Swedish RSK No.:	5824895
Finnish LVI No.:	4925482
Country of origin:	DK
Custom tariff no.:	84137075

96122033 CR 32-14 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 CR 32-14, Product No. 96122033
Produced After 1410 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Base			96547299	1	pcs
6	Base				1	
- 80	Chamber stack			96416288	1	pcs
- 80	Chamber stack				1	
- 3	Upper chamber cpl.				1	
	Cone					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Guide					
47d	Lock ring					
47c	Bush					
- 4a	Intermediate chamber cpl.				3	
	Intermediate chamber cpl.					
- 45a	Neck ring cpl.					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47	Bearing					
- 4	Intermediate chamber cpl.				10	
	Cone					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Spare, turbulence optimizer KP					
	Guide					
- 45a	Neck ring cpl.					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47d	Lock ring					
47c	Bush					
26c	Washer		Designation: DIN 125A Thickness: 1,6		2	
26b	Hex socket head cap screw				2	
26a	Strap cpl.		Length (mm): 989 Thread: M8		2	
- 44	Suction interconnector cpl.				1	
	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.				14	
48	Nut					
49b	Split cone					
- 49	Impeller					
	Impeller hub					
49c	Wear ring					
51	Shaft				1	
-	Kit, chambers			98497462	1	pcs
- 4a	Intermediate chamber cpl.				1	
	Intermediate chamber cpl.				1	
- 45a	Neck ring cpl.				1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
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			98497465	1	pcs
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
- 49	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	
		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	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
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			96587722	1	pcs
- 3	Upper chamber cpl.			98633863	1	pcs
47c	Bush			99321194	1	
- 4a	Intermediate chamber cpl.			99262755	3	pcs
47	Bearing			99964632	1	
47	Bearing			99928986	1	
+ 4a	Intermediate chamber cpl.			99363114	3	pcs
- 4	Intermediate chamber cpl.			96534939	10	pcs
- 45a	Neck ring cpl.			98686545	1	
45	Seal ring			97915217	1	
65	Top f/neck ring			96534931	1	
+ 4	Intermediate chamber cpl.			98497466	10	pcs
- 6	Base cpl.	Rubber type: EPDM		96587692	1	pcs
25	Plug			96536013	4	
37	O-ring			96536149	1	
38	O-ring			99198815	4	
38	O-ring			99412727	4	
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		98983855	2	pcs
Thread: M8						
26	Staybolt	Length (mm): 1127		98976727	4	pcs
Thread: M16						
28	Hex socket head cap screw	Designation: DIN 912		96536147	4	pcs
Length (mm): 50						
Thread: M10						
28	Hex head screw			99869043	2	pcs
28	Hex head screw	Length (mm): 60		97506949	2	pcs
Thread: M16						
32	Washer	Designation: DIN 125 A		98923051	8	pcs
Internal diameter: 17						
Outer diameter: 30						

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
			Thickness: 3			
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.			96547328	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.			98287180	14	pcs
48	Nut			99262680	1	
48	Nut			99262683	1	
48	Nut			96536016	1	
49b	Split cone			96536010	1	
49c	Wear ring			96534930	1	
+ 49e	Impeller cpl.			96534935	14	pcs
+ 49e	Impeller cpl.			98394455	14	pcs
51	Shaft			98506298	1	pcs
55	Outer sleeve		Outer diameter: 197,0 Length (mm): 1005,5	98933511	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