

Inventflow: Grundfos A-partner

Grundfos CR 64-5-1 A-F-A-E-HQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/cr/grundfos-cr-64-5-1-a-f-a-e-hqqe>

Contact

info@inventflow.nl

+31 (0) 546 45 80 72

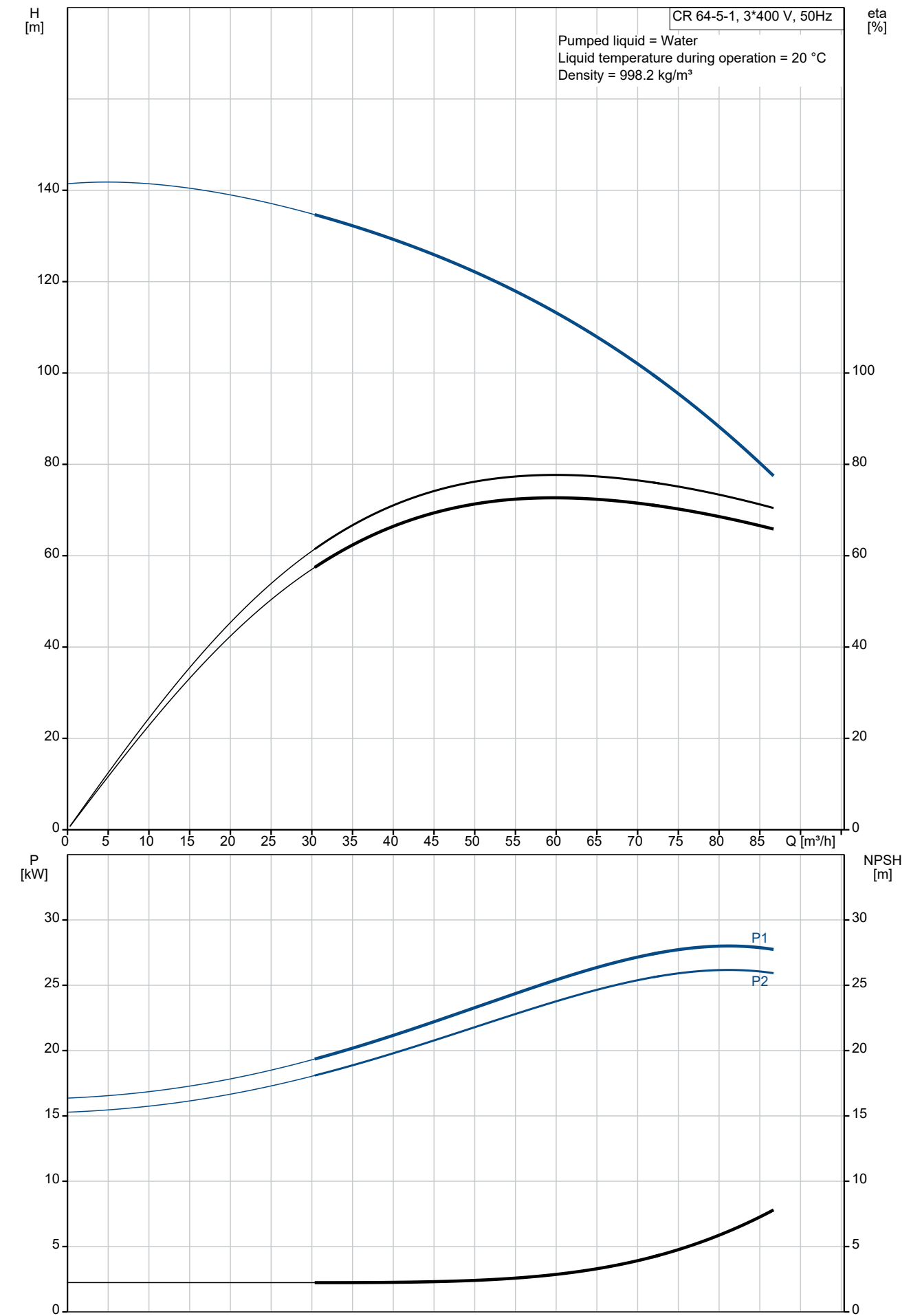
Datasheet



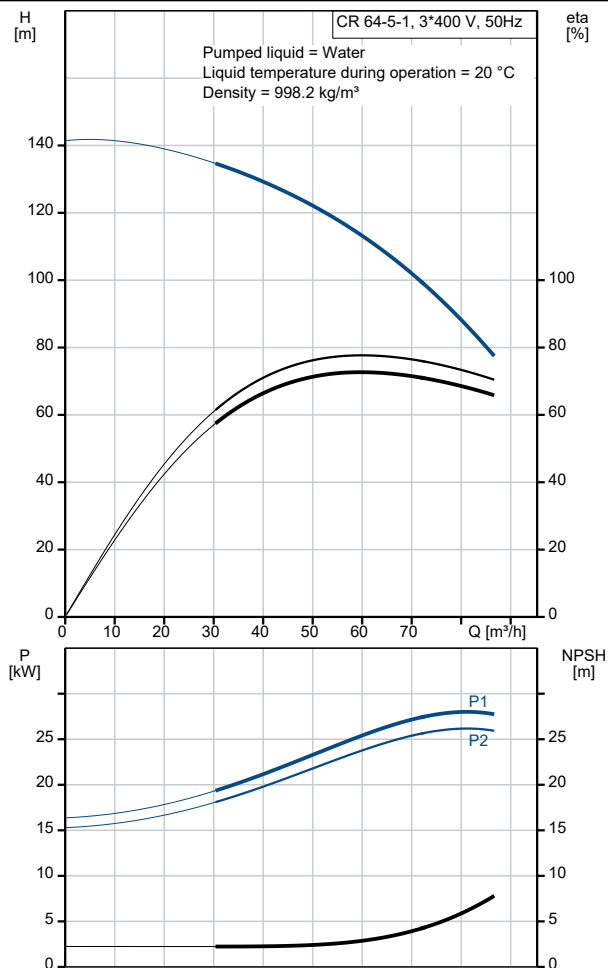
Qty.	Description
1	CR 64-5-1 A-F-A-E-HQQE  Note! Product picture may differ from actual product Product No.: 96123538 Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: - Impellers 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: 64 m³/h Rated head: 108.5 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

Qty.	Description
	Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / -30 °C Type of connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 100 Pressure rating for connection: PN 16 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: 318 kg Gross weight: 357 kg Shipping volume: 0.805 m³ Danish VVS No.: 385908051 Finnish LVI No.: 4925522 Country of origin: DK Custom tariff no.: 84137075

96123538 CR 64-5-1 A-F-A-E-HQQE 50 Hz

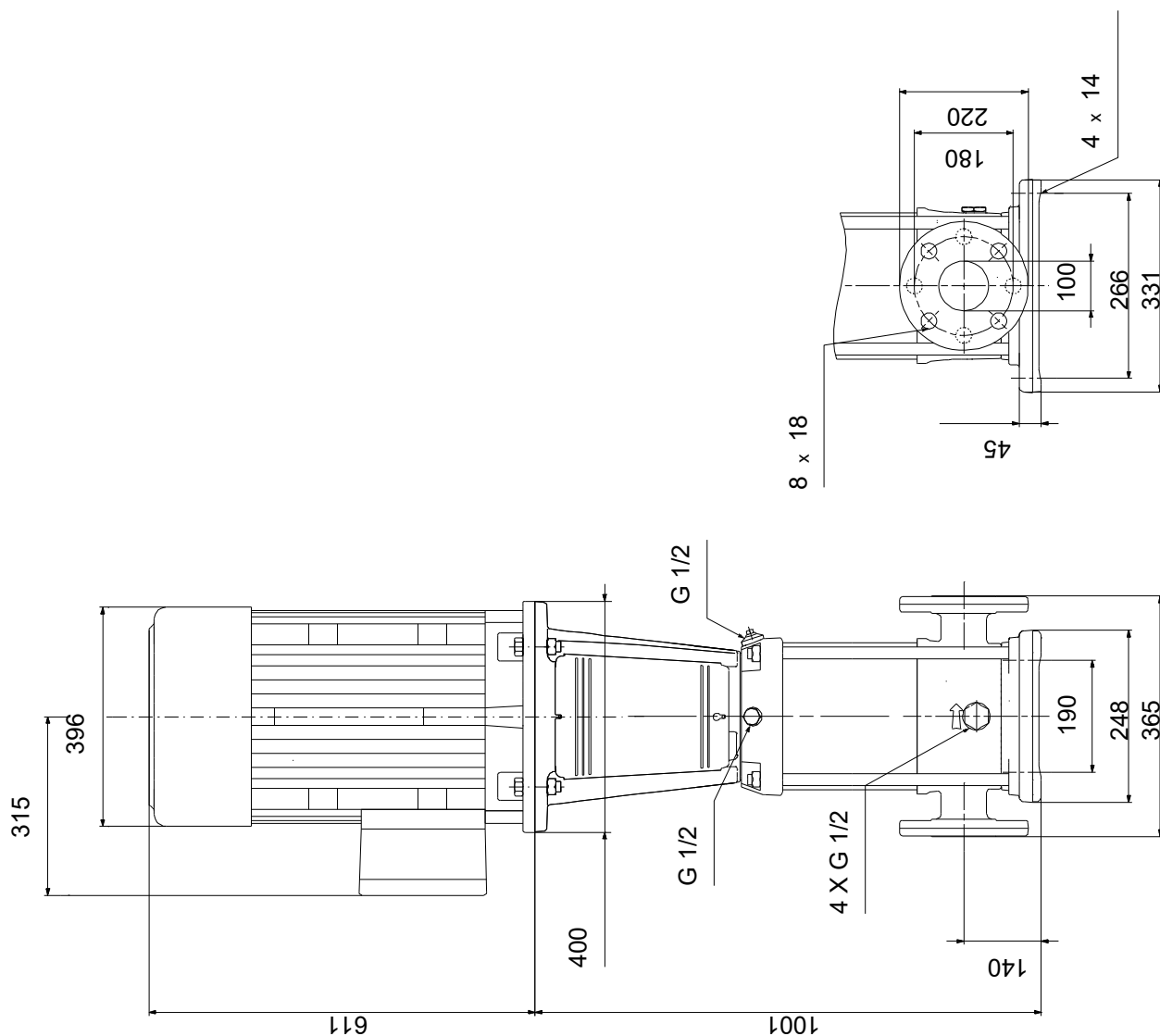


Description	Value
General information:	
Product name:	CR 64-5-1 A-F-A-E-HQQE
Product No:	96123538
EAN number:	5700396697482
Technical:	
Pump speed on which pump data are based:	2951 rpm
Rated flow:	64 m³/h
Rated head:	108.5 m
Maximum head:	139.2 m
Stages:	5
Impellers:	5
Number of reduced-diameter impellers:	1
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:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
Max pressure at stated temp:	16 bar / -30 °C
Type of connection:	DIN
Size of inlet connection:	DN 100
Size of outlet connection:	DN 100
Pressure rating for connection:	PN 16
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 %



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:	318 kg
Gross weight:	357 kg
Shipping volume:	0.805 m³
Danish VVS No.:	385908051
Finnish LVI No.:	4925522
Country of origin:	DK
Custom tariff no.:	84137075

96123538 CR 64-5-1 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 64-5-1, Product No. 96123538
Produced After 1410 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Base			96587673	1	pcs
6	Base				1	
- 80	Chamber stack			96416319	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					
	Spare, turbulence optimizer KP					
47d	Lock ring					
47c	Bush					
- 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.					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
47	Bearing					
- 4	Intermediate chamber cpl.				3	
	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.					
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): 422 Thread: M8		2	
- 44	Suction interconnector cpl.				1	
	Inlet part					
45	Seal ring					
46	Neck ring					
65	Top f/neck ring					
- 47a	Bearing cpl.				1	
	Driver					
	Holder					
	Disc spring					
	Bearing ring					
- 49e	Impeller cpl.				4	
48	Nut					
49b	Split cone					
- 49	Impeller					
	Impeller hub					
49c	Wear ring					

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
- 49d	Impeller cpl. reduced diameter				1	
48	Nut					
49b	Split cone					
- 49a	Impeller, reduced diameter					
	Impeller hub					
49c	Wear ring					
51	Shaft				1	
-	Kit, chambers			98497500	1	pcs
- 4a	Intermediate chamber cpl.				1	
	Cone				1	
	Spare, turbulence optimizer KP				1	
	Spare, turbulence optimizer KP				1	
	Spare, turbulence optimizer KP				1	
	Spare, turbulence optimizer KP				1	
	Spare, turbulence optimizer KP				10	
- 45a	Neck ring cpl.				1	
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			96416599	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			98497503	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			98634080	1	pcs
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
- 49a	Impeller, reduced diameter				1	
	Impeller hub				1	
49c	Wear ring				1	

Pos	Omschrijving	Opmerking tekst	Classificatie	Gegevens	Onderdeelnr.	Aantal	Eenheid
-	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	
				Material type: EPDM			
				Thickness: 4,25			
-	Kit, wear parts				98497495	1	pcs
45	Seal ring					8	
47d	Lock ring					8	
47c	Bush					6	
49c	Wear ring					8	
65	Top f/neck ring					8	
-	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				96547433	1	pcs
- 3	Upper chamber cpl.				98634144	1	pcs
47c	Bush				99321194	1	
+ 4	Intermediate chamber cpl.				99481471	3	pcs
- 4a	Intermediate chamber cpl.				99262958	1	pcs
47	Bearing				99964632	1	
47	Bearing				99928986	1	
- 4	Intermediate chamber cpl.				99481484	3	pcs
- 45a	Neck ring cpl.				96547441	1	
45	Seal ring				96536030	1	
65	Top f/neck ring				96536014	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

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
26c	Washer		Thickness: 1,6 Designation: DIN 125A	99886930	2	pcs
			Thickness: 1,6			
26b	Hex socket head cap screw			98931380	2	pcs
26a	Strap cpl.		Length (mm): 422	98983893	2	pcs
			Thread: M8			
26	Staybolt		Length (mm): 580	98976737	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			
			Thickness: 3			
36	Hex nut		Thread: M16	96620480	4	pcs
37	O-ring			96536142	1	pcs
38	O-ring			99198815	2	pcs
38	O-ring			99412727	2	pcs
- 44	Suction interconnector cpl.			98634152	1	pcs
45	Seal ring			96536030	1	
65	Top f/neck ring			96536014	1	
+ 47a	Bearing cpl.			99270649	1	pcs
+ 47a	Bearing cpl.			96535951	1	pcs
48	Nut			99262680	1	pcs
48	Nut			99262683	1	pcs
48	Nut			96536016	1	pcs
- 49e	Impeller cpl.			96536036	4	pcs
48	Nut			99262680	1	
48	Nut			99262683	1	
48	Nut			96536016	1	
49b	Split cone			96536010	1	
+ 49e	Impeller cpl.			98394371	4	pcs
49b	Split cone			96536010	1	pcs
- 49a	Impeller, reduced diameter			99500075	1	pcs
49c	Wear ring			96535879	1	
51	Shaft			98506338	1	pcs
55	Outer sleeve		Outer diameter: 216	98820379	1	pcs
			Length (mm): 436			
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			96547435	1	pcs