

Inventflow: Grundfos A-partner

Grundfos NK 150-250/230 EUP A2F1AE-SBQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nk/grundfos-nk-150-250-230-eup-a2f1ae-sbqqe>

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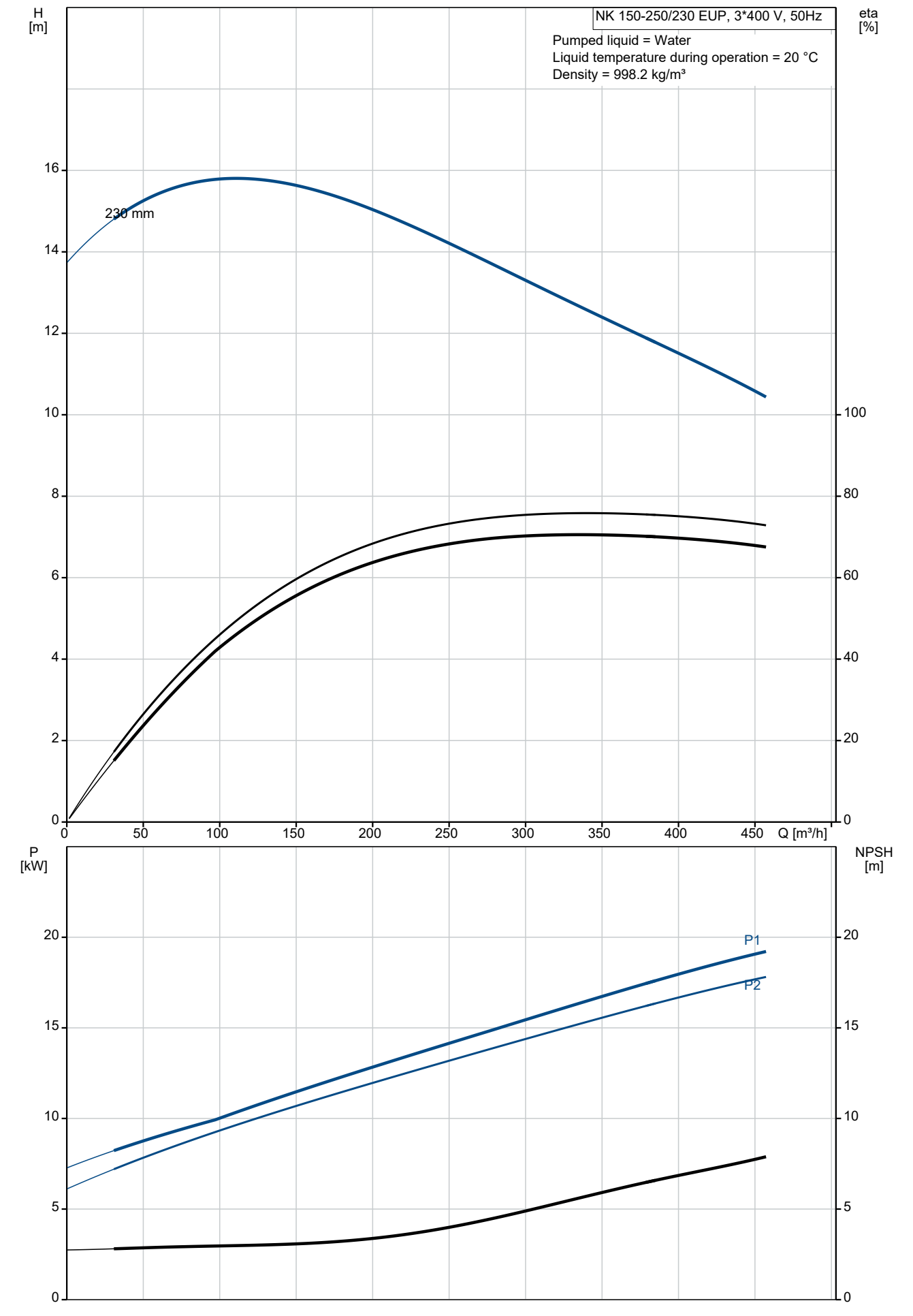
Datasheet



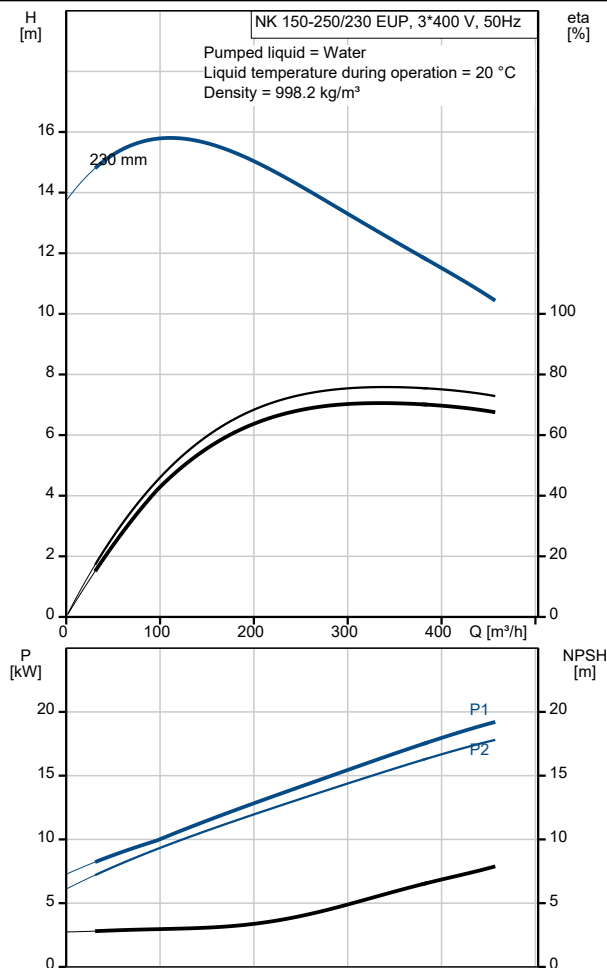
Qty.	Description
1	NK 150-250/230 EUP A2F1AE-SBQQE  Note! Product picture may differ from actual product Product No.: 98930113 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids. Phase: Pump and 3-phase AC motor are mounted as separate units on a common baseplate and The impeller is hydraulically as well as dynamically balanced. The pump has the following characteristics: - flange dimensions according to EN 1092-2, Pump housing: - Cast iron volute pump housing, - stainless steel shaft Impeller: and Cast iron impeller and bronze wear rings, - unbalanced mechanical shaft seal according to EN 12756. Controls: Frequency converter: NONE Pressure sensor: N Liquid: Pumped liquid: Water Liquid temperature range: -25 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 1470 rpm Rated flow: 339.7 m³/h Pump with motor: Y Rated head: 12.44 m Actual impeller diameter: 230 mm Nominal impeller diameter: 250 Code for shaft seal: BQQE Curve tolerance: ISO9906:2012 3B Bearing design: Standard Materials: Pump housing: Cast iron EN-GJL-250 ASTM class 35 Wear ring: Brass Impeller: Cast iron EN-GJL-200

Qty.	Description
	Shaft: ASTM class 30 Stainless steel EN 1.4301 AISI 304 Internal pump house coating: CED Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 10 bar Pipe connection standard: EN 1092-2 Type of inlet connection: DIN Type of outlet connection: DIN Size of inlet connection: DN 200 Size of outlet connection: DN 150 Pressure rating for connection: PN 10 Coupling type: Flexible w/spacer Base frame design: EN/ISO Grouting: N Electrical data: Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 18.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 37,0-33,5/21,6-19,6 A Starting current: 690-690 % Cos phi - power factor: 0.82 Rated speed: 1470 rpm Efficiency: IE3 92,6% Motor efficiency at full load: 92.6-92.6 % Motor efficiency at 3/4 load: 93.2-93.2 % Motor efficiency at 1/2 load: 93.2-93.2 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98957804 Others: Minimum efficiency index, MEI ≥: 0.63 Net weight: 525 kg Gross weight: 592 kg Shipping volume: 1.52 m³ Country of origin: HU Custom tariff no.: 84137059

98930113 NK 150-250/230 EUP A2F1AE-SBQQE 50 Hz

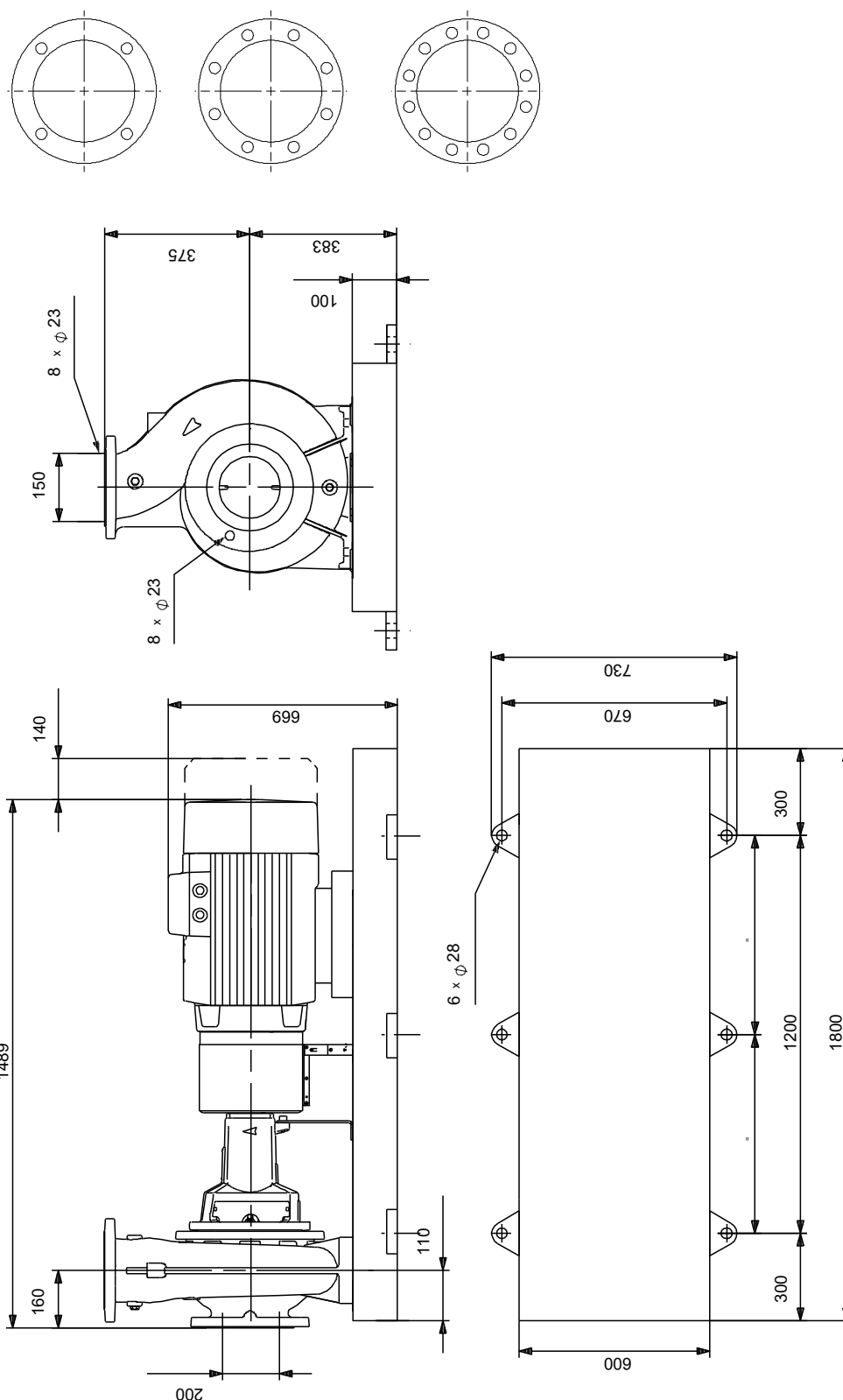


Description	Value
General information:	
Product name:	NK 150-250/230 EUP A2F1AE-SBQQE
Product No:	98930113
EAN number:	5712603757070
Technical:	
Pump speed on which pump data are based:	1470 rpm
Rated flow:	339.7 m³/h
Pump with motor:	Y
Rated head:	12.44 m
Actual impeller diameter:	230 mm
Nominal impeller diameter:	250
Shaft diameter:	42 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A2
Bearing design:	Standard
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM class 35
Wear ring:	Brass
Impeller:	Cast iron
Impeller:	EN-GJL-200
Impeller:	ASTM class 30
Shaft:	Stainless steel
Shaft:	EN 1.4301
Shaft:	AISI 304
Internal pump house coating:	CED
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	10 bar
Pipe connection standard:	EN 1092-2
Type of inlet connection:	DIN
Type of outlet connection:	DIN
Size of inlet connection:	DN 200
Size of outlet connection:	DN 150
Pressure rating for connection:	PN 10
Coupling type:	Flexible w/spacer
Base frame design:	EN/ISO
Grouting:	N
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	18.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	37,0-33,5/21,6-19,6 A
Starting current:	690-690 %
Cos phi - power factor:	0.82
Rated speed:	1470 rpm
Efficiency:	IE3 92,6%
Motor efficiency at full load:	92.6-92.6 %
Motor efficiency at 3/4 load:	93.2-93.2 %
Motor efficiency at 1/2 load:	93.2-93.2 %



Description	Value
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	98957804
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.63
Net weight:	525 kg
Gross weight:	592 kg
Shipping volume:	1.52 m ³
Country of origin:	HU
Custom tariff no.:	84137059

98930113 NK 150-250/230 EUP A2F1AE-SBQQE 50 Hz



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

Spare parts NK 150-250/230 EUP, Product No. 98930113
Produced After 1010 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, bearing			95919874	1	pcs
53a	O-ring		Diameter: 3 Thickness: 109,5		1	
53	Ball bearing				1	
54a	O-ring		Diameter: 3 Thickness: 109,5		1	
54	Ball bearing				1	
99	Retaining ring				2	
156a	Bearing cover				2	
159a	V-ring				2	
-	Kit, bearing bracket			96935044	1	pcs
7.k	Hex socket head cap screw		Length (mm): 10 Thread: M6		4	
36.a	Nut				10	
76a	Rivet				2	
86	Bearing bracket				1	
90.e	Hex head screw		Length (mm): 25 Thread: M12		1	
124d	Shaft guard				1	
124d	Shaft guard				1	
124.d	Pan head screw				4	
-	Kit, coupling			96861611	1	pcs
- 8	Coupling cpl.				1	
89r	Spacer sleeve				1	
89.s	Spacer ring				1	
89.p	Coupling female				1	
89.o	Coupling part spacer side				1	
89.c	Hex socket head cap screw		Length (mm): 20 Thread: M8		6	
89.b	Socket set screw		Length (mm): 8 Thread: M6		1	
89	Rubber blocks for coupling				6	
11.a	Parallel key				1	
-	Kit, coupling guard			98078804	1	pcs
7b	Hex socket head cap screw		Length (mm): 10 Thread: M6		4	
7b	Retainer for coupling guard				1	
- 7	Coupling guard cpl.				1	
7e	Hex socket head cap screw				3	
7c	Spacer f/coupling guard				1	
7	Guard				1	
94	Lock nut		Thread: M6		2	
-	Kit, cover			96927327	1	pcs
18	Plug				1	
36	Nut		Thread: M12		10	
77	Cover f/mech. seal				1	
-	Kit, foot for bearing bracket			96909494	1	pcs
	Nut		Thread: M12		2	
66	Washer				2	
90.e	Hex head screw		Length (mm): 25 Thread: M12		1	
90.d	Hex head bolt		Length (mm): 110 Thread: M12		2	
90.d	Hex head bolt		Length (mm): 70 Thread: M12		2	
90.d	Hex head screw		Length (mm): 30 Thread: M12		2	
90.c	Foot				1	
-	Kit, foot for coupling guard			96848500	1	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
7h	Hex head screw		Length (mm): 16		2	
			Thread: M8			
- 7.d	Foot cpl.				1	
7l	Support f/coupling guard foot				1	
7h	Hex socket head cap screw				2	
7d	Foot for coupling guard				1	
66	Washer				2	
66	Washer				2	
-	Kit, nut			96939132	1	pcs
11	Key				1	
- 36	Nut				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M24		1	
-	Kit, pump housing			98801847	1	pcs
6	Pump housing				1	
20	Plug				2	
36	Nut		Thread: M12		10	
-	Kit, rubber blocks f. coupling			96480017	1	pcs
89	Rubber blocks for coupling				6	
-	Kit, shaft			96861522	1	pcs
11.a	Parallel key				1	
11	Key				1	
51	Shaft				1	
66a	Spring lock washer				1	
66	Washer				1	
67	Nut		Thread: M24		1	
-	Kit, shaft cover			96809961	1	pcs
124d	Shaft guard				1	
124d	Shaft guard				1	
124.d	Pan head screw				4	
-	Spare, wear ring			96810109	1	pcs
45	Wear ring				1	
-	V-ring			96871240	1	pcs
159a	V-ring				2	
-	Motor				1	pcs
156	Kit, fan			96766444	1	
151	Kit, fan cover			98920945	1	
176	Kit, terminal board			98850958	1	
7k	Hex socket head cap screw		Length (mm): 10	97506946	4	pcs
			Thread: M6			
28	Hex head screw			99867140	4	pcs
28	Hex head screw		Length (mm): 25	99522923	1	pcs
			Thread: M12			
36	Nut		Thread: M12	96620479	10	pcs
49	Impeller			99609134	1	pcs
54a	O-ring		Diameter: 3	97511812	2	pcs
			Thickness: 109,5			
67	Nut		Thread: M25	92526532	1	pcs
72.a	O-ring		Diameter: 278,99	92547634	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72.a	O-ring		Diameter: 278,99	92526510	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72.a	O-ring		Diameter: 278,99	97511839	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
72.a	O-ring		Diameter: 278,99	97757673	1	pcs
			Material type: EPDM			
			Thickness: 3,53			
77a	Pan head screw			99266550	4	pcs
86	Bearing bracket			99081097	1	pcs
89	Rubber blocks for coupling			96591290	6	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
99	Retaining ring			99415814	2	pcs
156a	Bearing cover			97506939	2	pcs