

Inventflow: Grundfos A-partner

Grundfos NK 150-400/431 A2F1AE-SBQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nk/grundfos-nk-150-400-431-a2f1ae-sbqqe>

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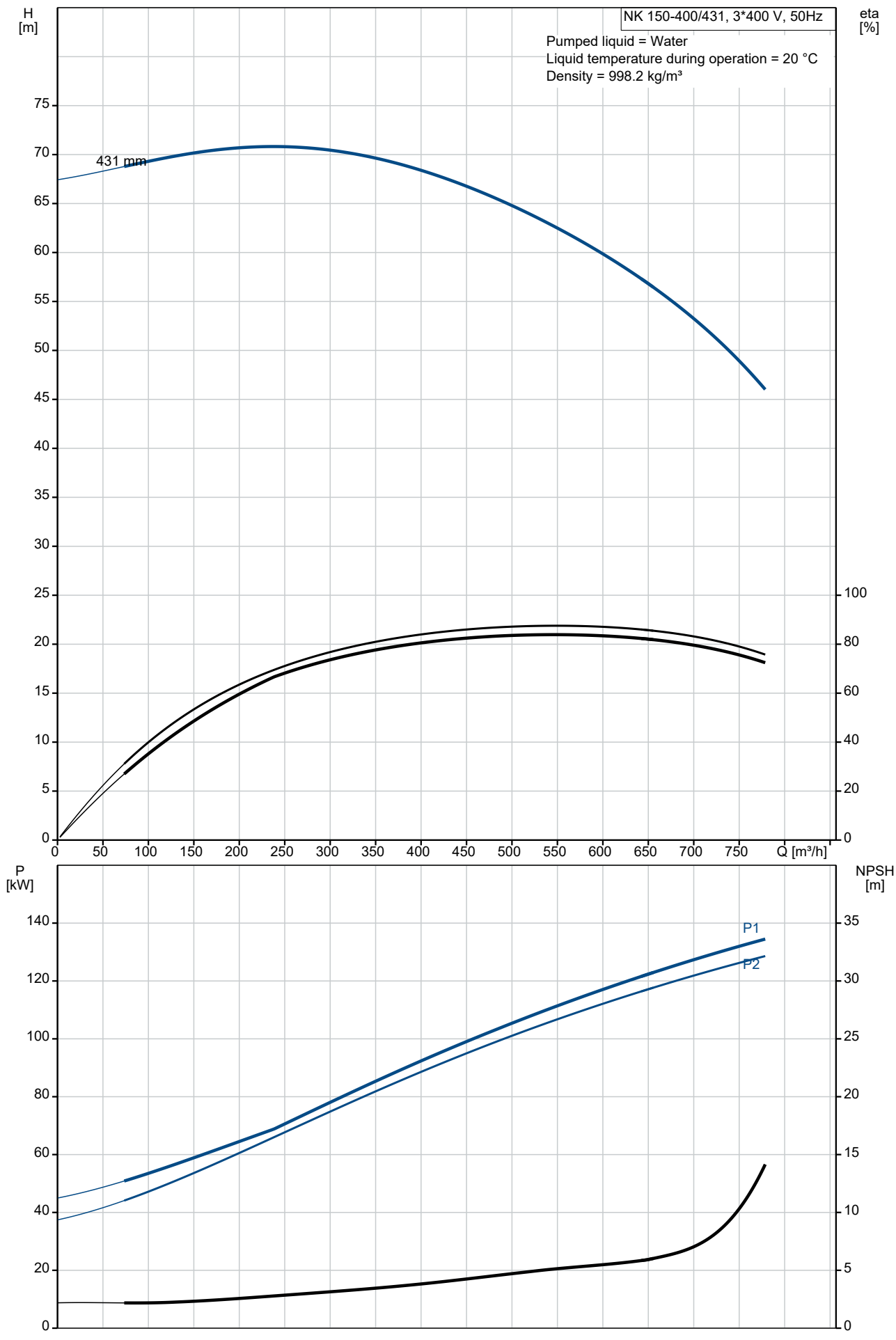
Datasheet



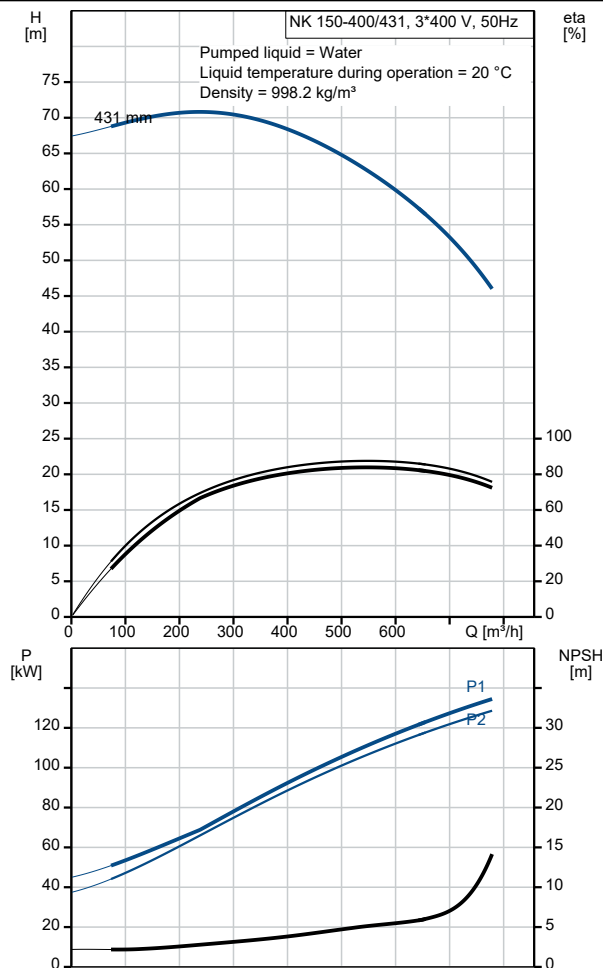
Qty.	Description
1	NK 150-400/431 A2F1AE-SBQQE  Note! Product picture may differ from actual product Product No.: 98531710 Non-self priming, single-stage centrifugal Flange standard: pump according to EN 1092-2. The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive 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: 1490 rpm Rated flow: 571.1 m³/h Pump with motor: Y Rated head: 61.35 m Actual impeller diameter: 431 mm Nominal impeller diameter: 400 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: 132 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 240-220/140-128 A Starting current: 730-730 % Cos phi - power factor: 0.87 Rated speed: 1490 rpm Efficiency: IE3 95,6% Motor efficiency at full load: 95.6-95.6 % Motor efficiency at 3/4 load: 95.9-95.9 % Motor efficiency at 1/2 load: 95.9-95.9 % Number of poles: 4 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98957831 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 1660 kg Gross weight: 1760 kg Shipping volume: 2.96 m³ Country of origin: HU Custom tariff no.: 84137059

98531710 NK 150-400/431 A2F1AE-SBQQE 50 Hz

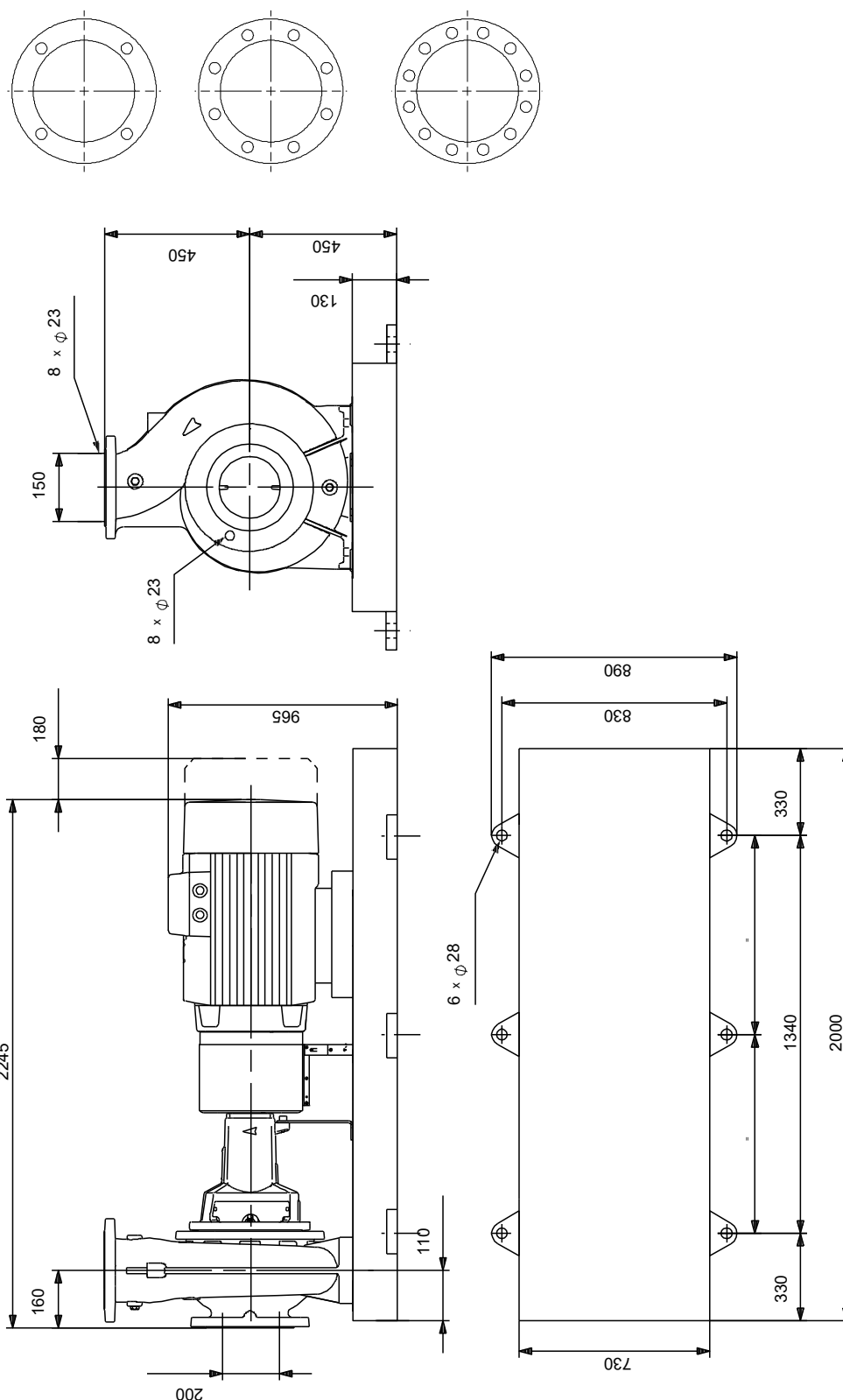


Description	Value
General information:	
Product name:	NK 150-400/431 A2F1AE-SBQQE
Product No:	98531710
EAN number:	5711496687594
Technical:	
Pump speed on which pump data are based:	1490 rpm
Rated flow:	571.1 m³/h
Pump with motor:	Y
Rated head:	61.35 m
Actual impeller diameter:	431 mm
Nominal impeller diameter:	400
Shaft diameter:	48 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:	132 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	240-220/140-128 A
Starting current:	730-730 %
Cos phi - power factor:	0.87
Rated speed:	1490 rpm
Efficiency:	IE3 95,6%
Motor efficiency at full load:	95.6-95.6 %
Motor efficiency at 3/4 load:	95.9-95.9 %
Motor efficiency at 1/2 load:	95.9-95.9 %



Description	Value
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	98957831
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	1660 kg
Gross weight:	1760 kg
Shipping volume:	2.96 m³
Country of origin:	HU
Custom tariff no.:	84137059

98531710 NK 150-400/431 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 150-400/431, Product No. 98531710
Produced After 1703 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, bearing			95919876	1	pcs
53a	O-ring		Diameter: 129.5 Thickness: 3		1	
53	Ball bearing				1	
54a	O-ring		Diameter: 129.5 Thickness: 3		1	
54	Ball bearing				1	
156a	Bearing cover				2	
159f	Retaining ring				2	
159a	V-ring				2	
-	Kit, bearing bracket			96935046	1	pcs
7.k	Hex socket head cap screw		Length (mm): 10 Thread: M6		4	
36.a	Hex nut		Thread: M16		14	
76a	Rivet				2	
86	Bearing bracket				1	
90.e	Hex socket head cap screw		Length (mm): 25 Thread: M12		2	
124d	Shaft guard				1	
124d	Shaft guard				1	
124.d	Pan head screw				4	
-	Kit, coupling			96861640	1	pcs
- 8	Coupling cpl.				1	
89s	Spacer ring				1	
89r	Spacer sleeve				1	
89p	Coupling female				1	
89o	Coupling part spacer side				1	
89.c	Socket set screw				1	
89.c	Hex socket head cap screw				8	
89	Rubber part				8	
11.a	Parallel key				1	
-	Kit, coupling guard			98107956	1	pcs
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	
186	Hex socket head cap screw		Length (mm): 10 Thread: M6		4	
-	Kit, cover			96927325	1	pcs
18	Plug				1	
36	Hex nut		Thread: M16		14	
77	Cover f/mech. seal				1	
-	Kit, foot for coupling guard			96848501	1	pcs
7h	Hex head screw		Length (mm): 16 Thread: M8		2	
- 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			96939134	1	pcs
11	Key				1	
- 36	Nut				1	
66a	Spring lock washer				1	
66	Washer		Designation: DIN 125 B Internal diameter: 28		1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
Outer diameter: 50						
67	Nut		Thread: M27		1	
-	Kit, pump housing		96930840	1	pcs	
6	Pump housing				1	
20	Plug				2	
36	Hex nut		Thread: M16		16	
-	Kit, rubber blocks f. coupling		96796255	1	pcs	
89	Rubber part				8	
-	Kit, shaft		96861526	1	pcs	
11.a	Parallel key				1	
11	Key				2	
51	Shaft				1	
66a	Spring lock washer				1	
66	Washer		Designation: DIN 125 B		1	
Internal diameter: 28						
Outer diameter: 50						
67	Nut		Thread: M27		1	
-	Kit, shaft guard		96809962	1	pcs	
124d	Shaft guard				1	
124d	Shaft guard				1	
124.d	Pan head screw				4	
-	Spare, wear ring		96810112	1	pcs	
45	Wear ring				1	
-	Motor				1	pcs
156	Kit, fan		98339899	1		
151	Kit, fan cover		98768548	1		
	Kit, lubrication nipple		98360053	1		
176	Kit, terminal board		98359966	1		
164a	Kit, terminal box		98360006	1		
7k	Hex socket head cap screw		Length (mm): 10 Thread: M6	97506946	4	pcs
9	Hex socket head cap screw		Length (mm): 25 Thread: M12	97506952	2	pcs
36	Hex nut		Thread: M16	96620480	16	pcs
49	Impeller			98466752	1	pcs
67	Nut		Thread: M27	92526534	1	pcs
72a	O-ring		Diameter: 129.5 Thickness: 3	92526526	2	pcs
72a	O-ring		Diameter: 129.5 Thickness: 3	97511818	2	pcs
72a	O-ring		Diameter: 129.5 Thickness: 3	97757693	2	pcs
72a	O-ring		Diameter: 66 Material type: RUBBER	92547638	1	pcs
72a	O-ring		Thickness: 3,53 Diameter: 66 Material type: RUBBER	92526512	1	pcs
72a	O-ring		Thickness: 3,53 Diameter: 66 Material type: RUBBER	97511857	1	pcs
72a	O-ring		Thickness: 3,53 Diameter: 66 Material type: RUBBER	97757676	1	pcs
77a	Pan head screw			99266550	4	pcs
156a	Bearing cover			97506941	2	pcs
159f	Retaining ring			99408061	2	pcs