

Part Manual of Airend Block

NL30/M80

Airends

Airend Models

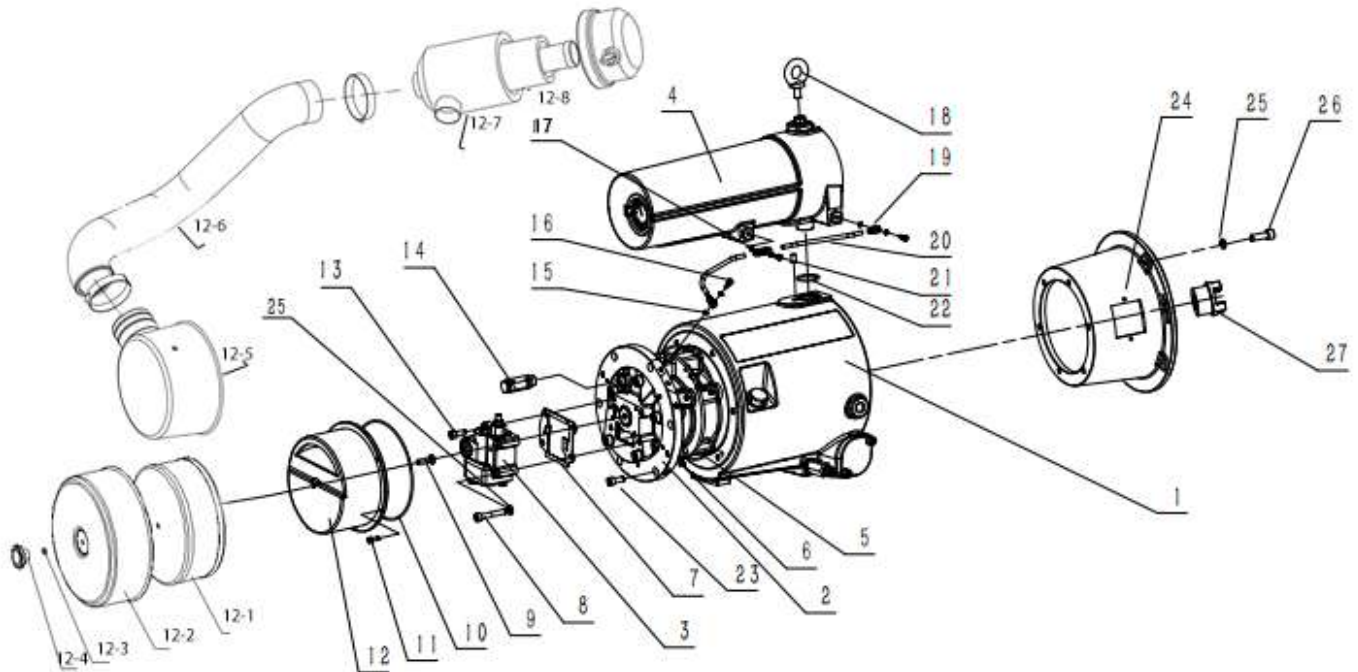
4KW	L(8bar)	H(10bar)	HH(13bar)
50HZ	NL30D	NL30B	NL30B
60HZ	NL30C	NL30B	NL30A

5.5KW	L(8bar)	H(10bar)	HH(13bar)
50HZ	NL30F	NL30E	NL30C
60HZ	NL30D	NL30D	NL30B

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1、NL30 Airend



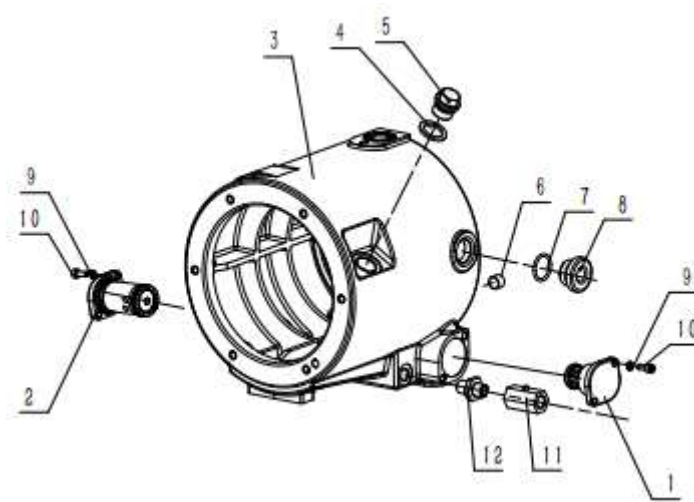
Pic1 NL30Airend

Item	Name	Part code	Qty	Note
	Airend	201020000481(Sub)	1	NL30A
	Airend	201020000405	1	NL30B
	Airend	201020000400	1	NL30C
	Airend	201020000463	1	NL30D
	Airend	201020000406	1	NL30E
	Airend	201020000464	1	NL30F
1	Oil Cover Assy	201030000037	1	
2	Rotor&stator assy	201040000007	1	NL30A
	Rotor&stator assy	201040000008	1	NL30B
	Rotor&stator assy	201040000009	1	NL30C
	Rotor&stator assy	201040000010	1	NL30D
	Rotor&stator assy	201040000011	1	NL30E
	Rotor&stator assy	201040000012	1	NL30F

Item	Name	Part code	Qty	Note
3	Intake Valve assy	201080000007	1	7/10bar
	Intake Valve assy	201080000005	1	13bar
4	Oil Separator Assy	201060000025	1	
5	O-ring	352010010086	1	
6	O-ring	352010010015	1	
7	Socket head screws	351010030195	6	
8	Intake valve gasket	352020050036	1	
9	Socket head screws	351010030169	2	
10	O-ring	352010010001	1	
11	Cross head screw	351010030072	5	
12	Intake valve cover	301010080003	1	Standard
12-1	Air filter element	357020000003	1	
12-2	Air filter shell	301010090006	1	
12-3	Filter cover Gasket	341008000005		
12-4	Filter cover nut	351020090026	1	
12-5	Intake valve cover	301010080004	1	External type
12-6	Air hose	360050000028	1	
12-7	Air filter shell	253000000024	1	
12-8	Air filter element	357020000046	1	
13	Socket head screws	351010030179	2	
14	Spring washer	351010050006	4	
15	Safety valve	361060000026	1	8/10bar
		361060000030	1	13bar
16	Bonded washer	352010030004	6	
17	Pipe fitting	354110000013	2	
18	OSV screw	351020030005	3	
19	Hose	401060030002	0.2	
20	Pipe fittings	354110000014	1	
21	Lifting bolt	351010030296	1	

Item	Name	Part code	Qty	Note
22	O-ring	352010010062	1	
23	Pin	351020050002	1	
24	Socket head screw	351010030002	4	
25	Spring washers	351010050008	4	
26	Airend Coupling	353040000013	1	A5/AB5 , 132 flange size
	Airend Coupling	353040000014	1	112 flange size
27	Bell housing	301010100014	1	

1-1Oil Cover Assy

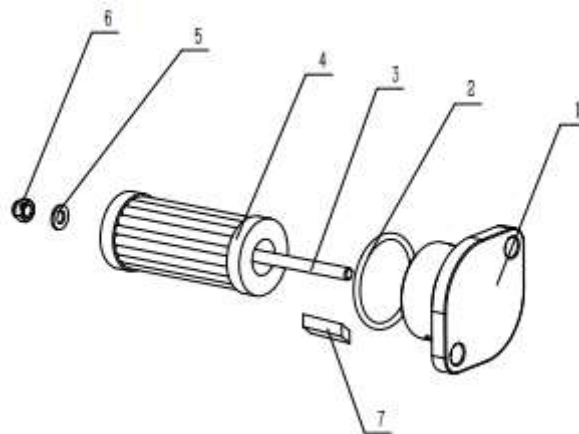


Pic2 Oil Cover Assy

Item	Name	Part code	Qty	Note
	Oil Cover Assy	201030000037	1	
1	Oil filter Assy	201100000010	1	
2	Thermostate valve assy	201090030002	1	82℃
3	Oil Shell	301010010007	1	Standard
3	Oil Shell	301010010011	1	Middle cooler type
4	Bonded washers	352010030035	1	
5	Plug screw	351020080004	1	
6	Plug screw	351010150011	1	
7	O-ring	352010010059	1	

Item	Name	Part code	Qty	Note
8	Oil level indicator	359020000002	1	
9	Spring washers	351010050008	4	
10	Socket head screws	351010030002	4	
11	Drain valve	361050000027	1	
12	Joint	354060000048	1	

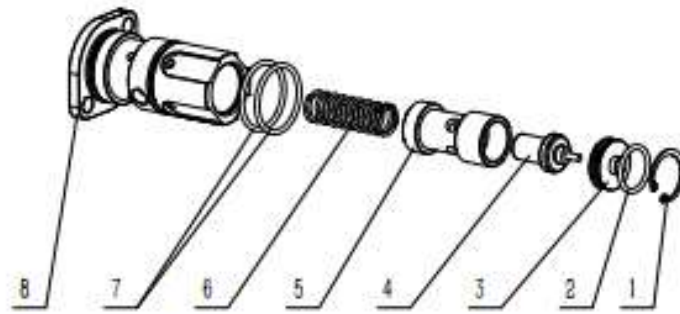
1-1-1Oil filter Assy



Pic3 Oil filter Assy

Item	Name	Part code	Qty	Note
	Oil filter Assy	201100000010	1	
1	Oil filter cover	301010150003	1	
2	O-ring	352010010065	1	
3	Oil filter base bar	351020020003	1	
4	Filter element	357030000002	1	
5	Filter washer	351020040028	1	
6	Locknut	351010040060	1	
7	Magnet Brick	363040000002	1	

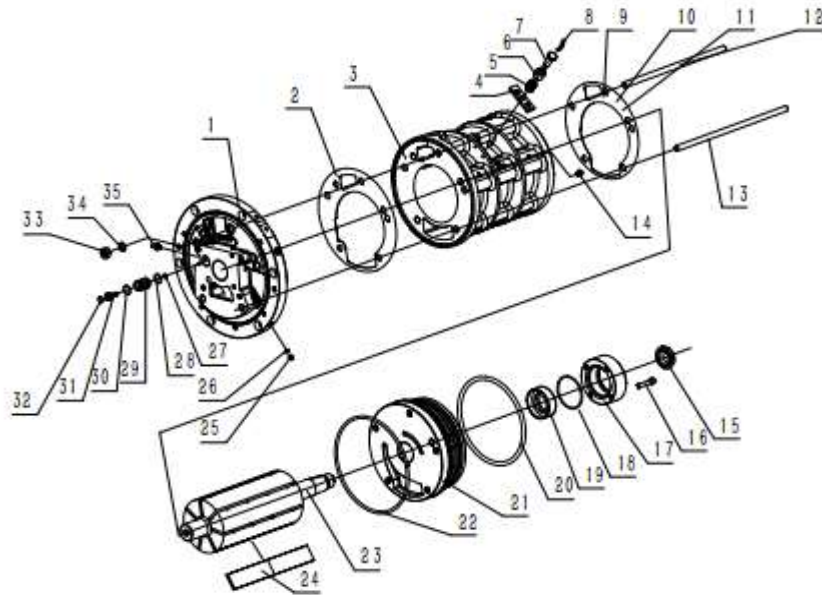
1-1-2Thermal valve assy



Pic6 Thermal valve assy

Item	Name	Part code	Qty	Note
	Thermostate valve assy	201090030002	1	
1	Circlip	351010070009	1	
2	O-ring	352010010057	1	
3	Push Cover	301010270017	1	
4	Thermostate valve blub	359030000007	1	82℃
	Thermostate valve blub	359030000008	(1)	Optional 88℃
	Thermostate valve blub	359030000006	1	Optional 74℃
5	Thermostate valve piston	301010300015	1	
6	Thermostate valve spring	363020000019	1	
7	O-ring	352010010065	2	
8	Thermostate valve base	301010180002	1	

1-2 Rotor&stator assy

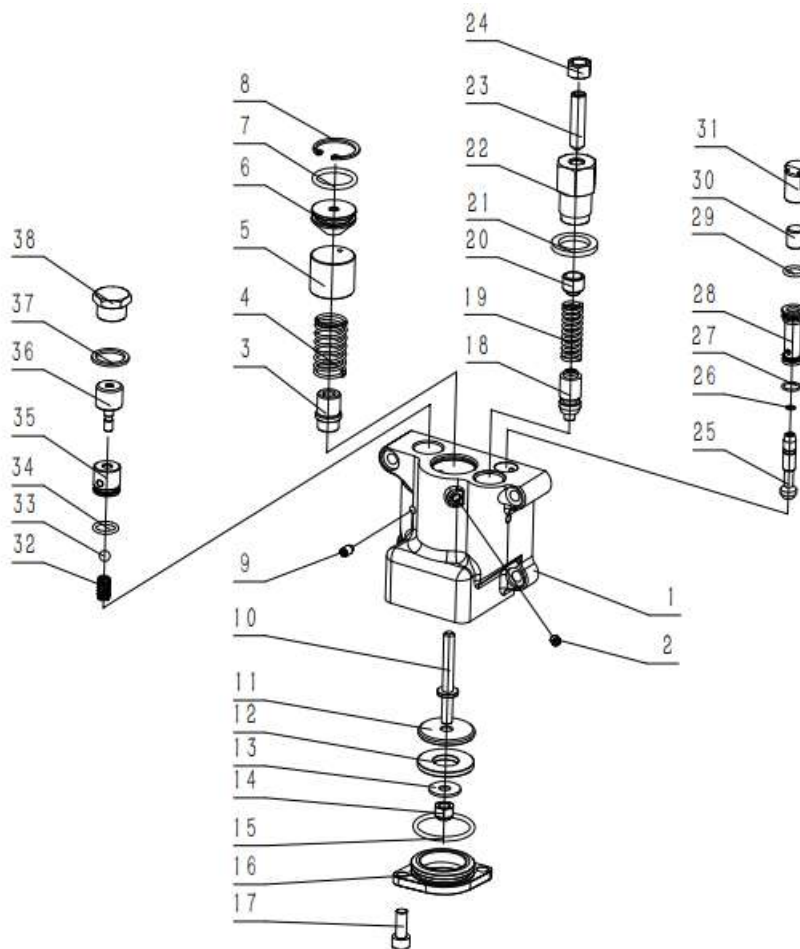


Pic4 Rotor&stator assy

Item	Name	Part code	Qty	Note
	Rotor&stator assy	201040000011	1	
1	Intake cover(Incl.bush)	301010020018	1	
2	Shim	352020070044	1	Intake cover E/D/F,Thickness0.05mm
	Shim	352020070043	1	Intake cover A/B/C, Thickness0.05mm
3	Stator	301010040010	1	NL30A
	Stator	301010040011	1	NL30B
	Stator	301010040012	1	NL30C
	Stator	301010040013	1	NL30D
	Stator	301010040014	1	NL30E
	Stator	301010040015	1	NL30F
4	Oil-spill valve plate	301010320003	1	
5	Oil-spill valve spring	363020000030	1	
6	Oil-spill valve cover	301010270022	1	
7	Oil-spill valve screw	351020030006	1	
8	Iron wire	363030000005	0.2	
9	Shim	352020070014	1	Shaft coverE/D/F,Thickness0.05mm
	Shim	352020070011	1	Shaft coverA/B/C,Thickness0.05mm

Item	Name	Part code	Qty	Note
10	Shim	352020070015	1	Shaft coverE/D/F,Thickness0.075mm
	Shim	352020070012	1	Shaft coverA/B/C,Thickness0.075mm
11	Shim	352020070016	1	Shaft coverE/D/F,Thickness0.1mm
	Shim	352020070013	1	Shaft coverA/B/C,Thickness0.1mm
12	Stator Bolt	351020020015	3	
13	Stator Bolt	351020020016	2	
14	Cross head screw	351020030020	1	
15	Nut	351020090002	1	
16	Socket head screws	351010030148	4	
17	Oil seal flange	301010310006	1	
18	O-ring	352010010031	1	
19	Oil seal	352020080020	1	
20	O-ring	352010010179	1	
21	Shaft Cover(Incl.bush)	301010020002	1	
22	O-ring	352010010128	1	
23	Rotor	301010030003	1	
24	Blades	301010050009	14	NL30D/E/F
	Blades	301010050008	14	NL30A/B/C/U/V/W
25	Cross head screws	351010030082	3	
26	O-ring	352010010230	3	
27	O-ring	352010010011	1	
28	O-ring	352010010018	1	
29	Exhausted valve sleeve	301010230002	1	
30	O-ring	352010010008	1	
31	Exhausted valve core	301010200011	1	
32	O-ring	352010010013	1	
33	Locknut	351010040063	5	
34	Bonded washers	352010030033	5	
35	Air out mutter	363060000001	1	

1-3Intake Valve assy



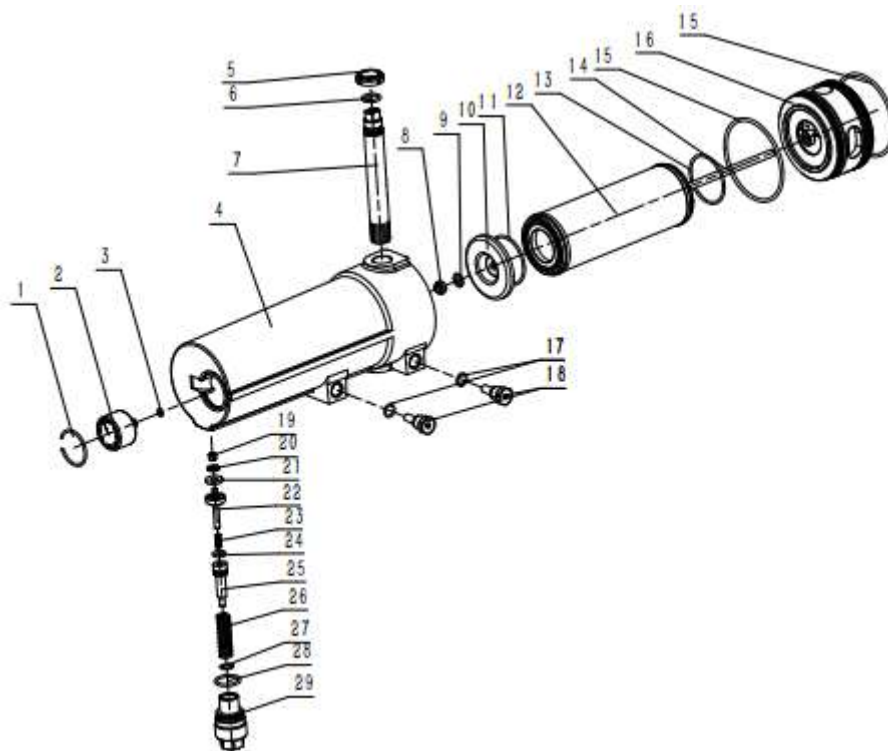
Pic5 Intake Valve assy

Item	Name	Part code	Qty	Note
	Intake Valve assy	201080000007	1	
1	Intake valve body	301010160020	1	
2	Socket screw	351010030024	1	
3	Intake valve sleeve	301010220003	1	
4	Intake valve spring	363020000033	1	
5	Intake valvePiston	301010300007	1	
6	Intake valve Cover	301010270007	1	
7	O-ring	352010010056	1	
8	Circlip	351010070008	1	

Item	Name	Part code	Qty	Note
9	Socket screw	351010030010	1	
10	Intake valve rod	301010280006	1	
11	Intake valve pad	301010270024	1	
12	Sealing gasket	352020050020	1	
13	Intake valve lowliner	301010290002	1	
14	Locknut	351010040062	1	
15	O-ring	352010010063	1	
16	Intake valve Cover	301010270008	1	
17	Socket head screws	351010030168	2	
18	Servo-valve Core	301010200008	1	
19	Servo-valve Spring	363020000024	1	7/10bar
	Servo-valve Spring	363020000050	1	13bar
20	Servo-valve Rod	301010290007	1	
21	Gasket	351020040022	1	
22	Servo-valve Nut	351020090010	1	
23	Set screw	351010030044	1	
24	Hexagon nut	351010040014	1	
25	Unload valveCore	301010200006	1	
26	O-ring	352010010204	1	
27	O-ring	352010010006	1	
28	Unload valve sleeve	301010220008	1	
29	O-ring	352010010016	1	
30	Unload valve Rod	301010290005	1	
31	Unload valve sleeve	301010260001	1	
32	Vaccum valve Spring	363020000014	1	

Item	Name	Part code	Qty	Note
33	Steel ball	353030000003	1	
34	O-ring	352010010017	2	
35	Vaccum valve sleeve	301010230008	1	
36	Vaccum valveCore	301010200001	1	
37	Bonded washers	352010030011	1	
38	Screw cap	351020080005	1	

1-4 Oil Separator Assy



Pic7 Oil Separator Assy

Item	Name	Part code	Qty	Note
	Oil Separator Assy	201060000025	1	
1	Circlip	351010080002	1	
2	Pressure gauge	359010000004	1	
3	O-ring	352010010013	1	
4	Oil separation vessel	301010060006	1	

Item	Name	Part code	Qty	Note
5	Nut	351020090002	1	
6	O-ring	352010010053	1	
7	Air tube	301010240002	1	
8	Locknut	351010040063	1	
9	Oil separation Gasket	351020040040	1	
10	Oil separation Core Cover	301010270031	1	
11	O-ring	352010010121	1	
12	Oil separationCore	357040000004	1	
13	O-ring	352010010076	1	
14	Oil separationBolt	351020020009	1	
15	O-ring	352010010117	2	
16	Oil separationbase	301010130002	1	
17	O-ring	352010010019	2	
18	Oil return valve	361030000002	2	
19	Locknut	351010040060	1	
20	Gasket	351020040004	1	
21	Minimum pressure valve seal gasket	352020050021	1	
22	Minimum pressure valve bar	301010280002	1	
23	Minimum pressure valve Spring	363020000005	1	
24	O-ring	352010010048	1	
25	Minimum pressure valve rod	301010210001	1	
26	Minimum pressure valve Spring	363020000006	1	
27	Gasket	351020040009	1	
28	O-ring	352010010060	1	
29	Minimum pressure valve body	301010170002	1	