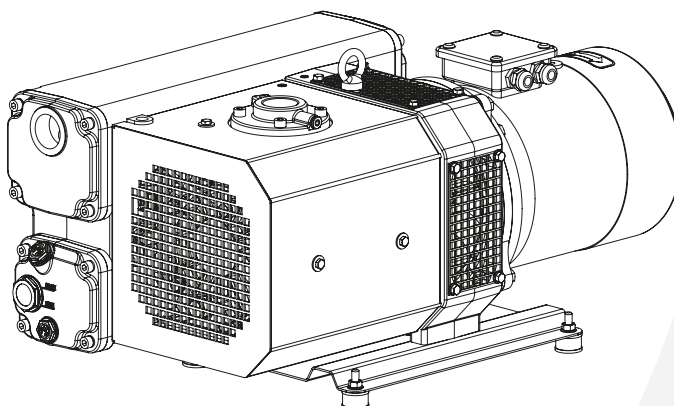


EU 107 H EU 107 HWT

*Lubricated vane
vacuum pump*



Technical data and parts lists

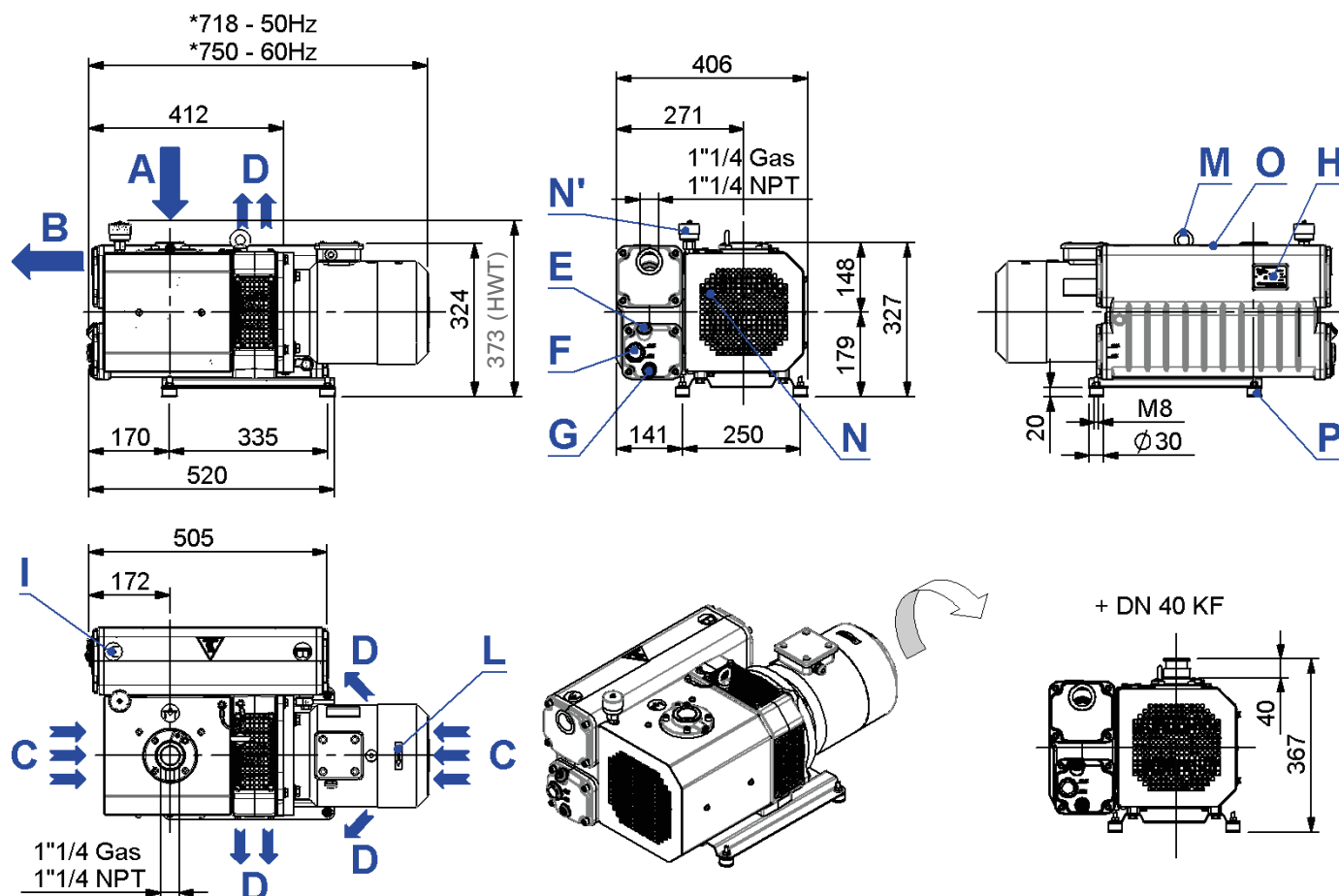
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Technical data and parts lists
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Overall dimensions and main parts

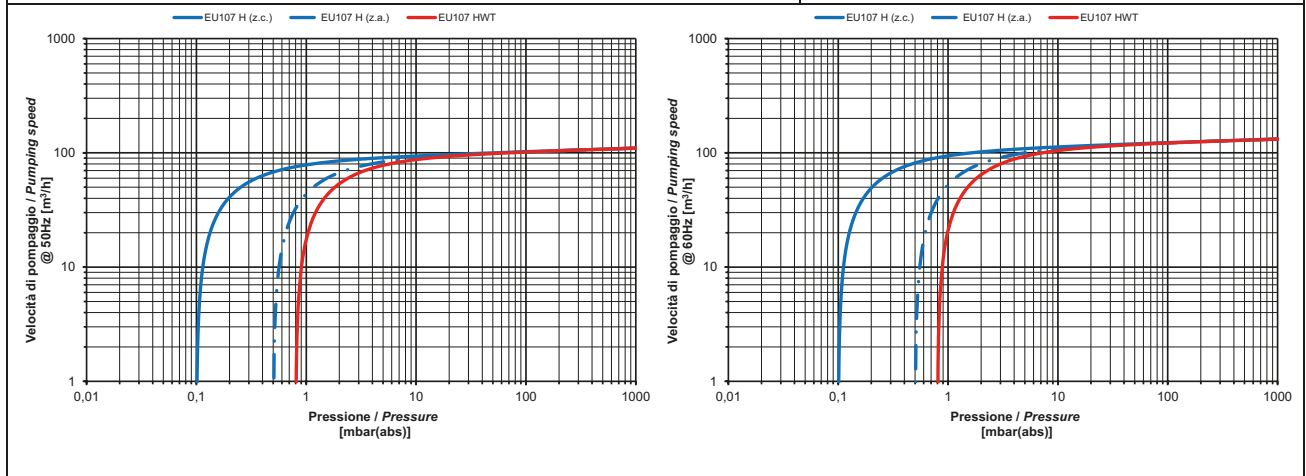


*Dimensions subject to changes depending on the motor brand

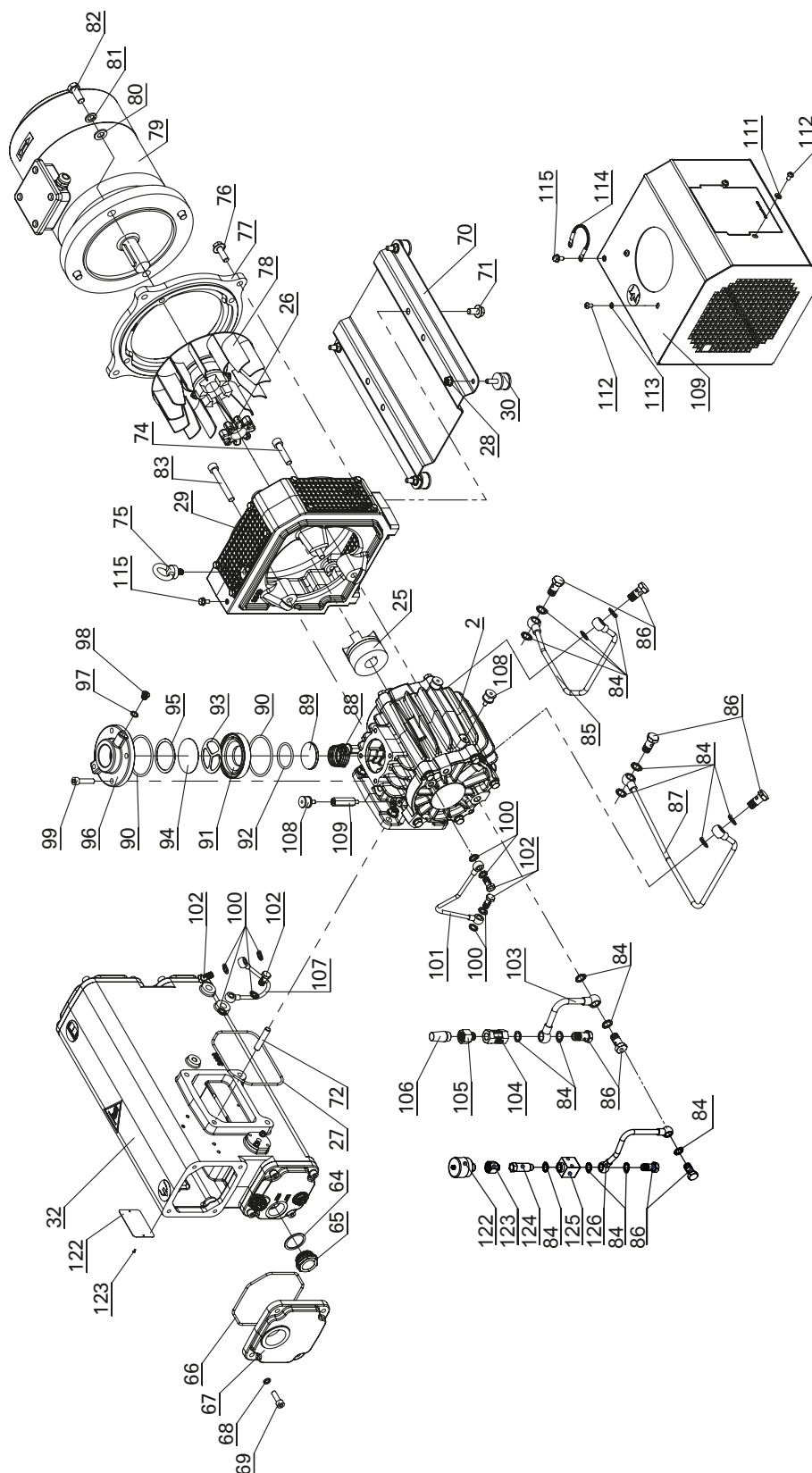
- | | |
|----------|-------------------------|
| A | Inlet |
| B | Exhaust |
| C | Cooling air inlet |
| D | Cooling air outlet |
| E | Oil filling plug |
| F | Oil sight glass |
| G | Oil drain plug |
| H | Pump name plate |
| L | Rotation plate |
| M | Lifting eyebolt |
| N | Gas ballast valve |
| O | Hot surfaces name plate |
| P | Vibration damper |

Technical characteristics

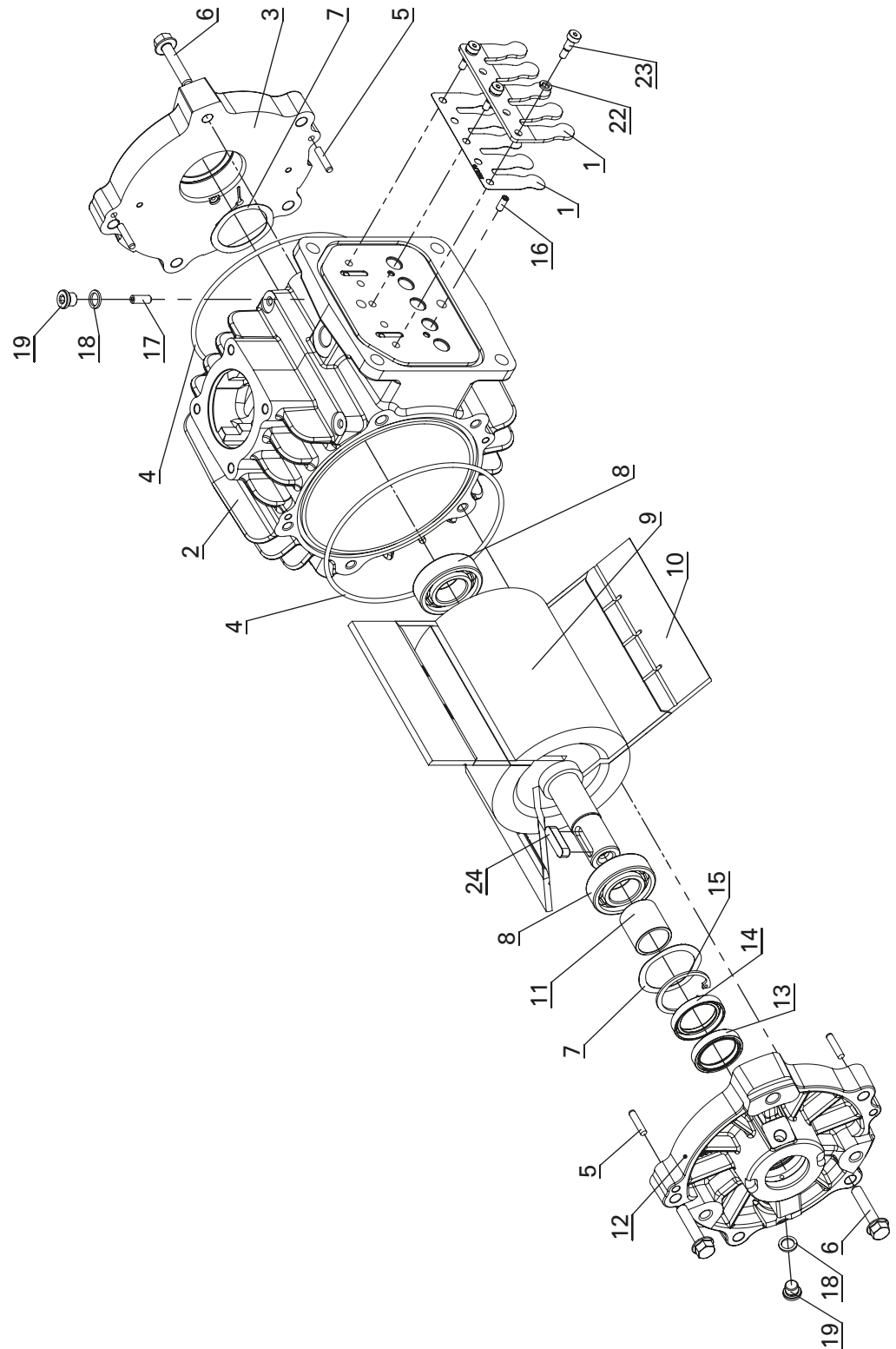
		EU107 H	EU107 HWT
Portata nominale* Nominal speed* Débit nominal* Nennsaugvermögen* Caudal nominal*	m ³ /h	50Hz 60Hz	110 130
Pressione limite totale con zavorratore chiuso* Ultimate total pressure with gas ballast valve closed* Vide final total avec lest d'air fermé *	mbar	≤ 0,1	-
Grenzdruck bei geschlossenem Gasballastventil * Presión final total con valvula gas-ballast cerrada *	Pascal	≤ 10	-
Pressione limite totale con zavorratore aperto* Ultimate total pressure with gas ballast valve open* Vide final total avec lest d'air ouvert *	mbar	≤ 0,5	≤ 0,8
Grenzdruck bei offenem Gasballastventil * Presión final total con valvula gas-ballast abierta *	Pascal	≤ 50	≤ 80
Potenza motore # / Numero di giri Motor power # / Rotational speed Puissance moteur # / Numéro de révolutions Motorleistung # / Drehzahl Potencia motor # / Velocidad de giro		50Hz ~3 60Hz ~3	2,2 kW - 1500 min ⁻¹ 3 kW - 1800 min ⁻¹
Caratteristiche motore elettrico Electric motor characteristics Caractéristiques moteur électrique Motoreigenschaften Características motor eléctrico		50Hz ~3 60Hz ~3	IM B5 230/400 V IM B5 460 V
Livello di pressione acustica Sound pressure level Niveau de pression acoustique Schalldruckpegel Nivel de presión acústica	dB(A) EN ISO 2151	50Hz 60Hz	66 68
Pressione max vapore H ₂ O ammissibile Water vapour tolerance Pression de vapeur d'eau maximale admissible Wasserdampfverträglichkeit Presión máxima de vapor de agua admisible	mbar	30	100
Quantità vapore H ₂ O ammissibile Water vapour pumping capacity Capacité de pompage de la vapeur d'eau Wasserdampfkapazität Cantidad de vapor de agua admisible	kg/h	2,2	9
Quantità d'olio Quantity of oil Quantité d'huile Ölmenge Cantidad de aceite	l		2,6
Peso totale / senza motore Total weight / Without motor Poids total / Sans moteur Gesamtgewicht / Gewicht ohne Motor Peso total / Sin motor	kg	50Hz 60Hz	85 / 62 89 / 62
*Secondo accordi PNEUROP 6602. *According to Pneurop standard 6602. *Selon la norme Pneurop 6602. *Nach der Pneuop Norm 6602.. *Según la normativa Pneurop 6602. #Valido per temperature fino a 40°C e altitudini inferiori a 1000 m. #Valid for temperatures up to 40°C and altitudes lower than 1000 m. #Valable pour températures jusqu'à 40°C et pour altitudes inférieures à 1000 m. #Gültig für Temperaturen bis 40°C und für Höhen weniger als 1000 m. #Válido para temperaturas hasta 40°C y altitudes inferiores a 1000 m. con zavorratore chiuso with gas ballast valve closed avec lest d'air fermé geschlossenem Gasballastventil con valvula gas-ballast cerrada con zavorratore aperto with gas ballast valve open avec lest d'air ouvert offenem Gasballastventil con valvula gas-ballast abierta			



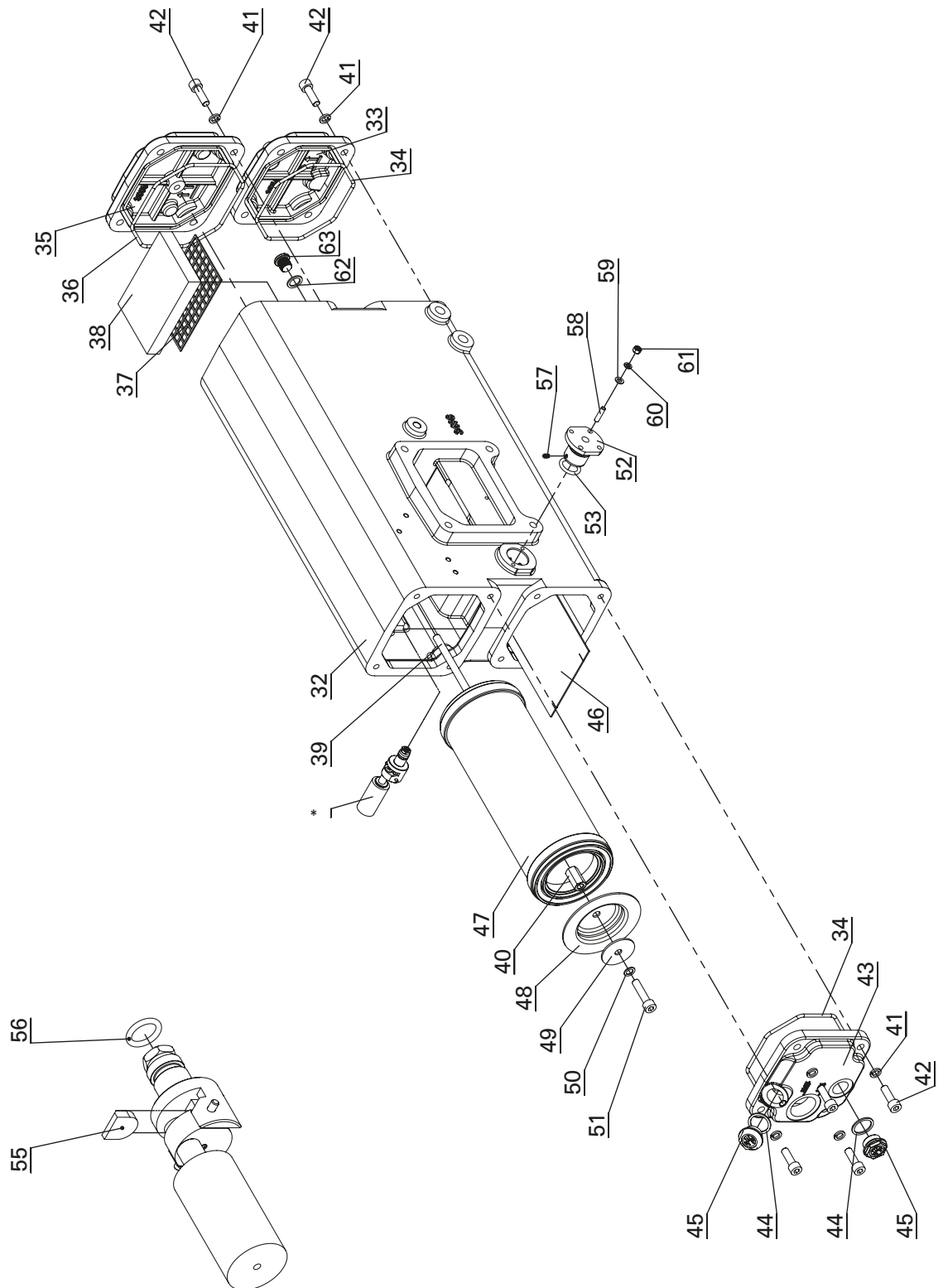
Exploded general



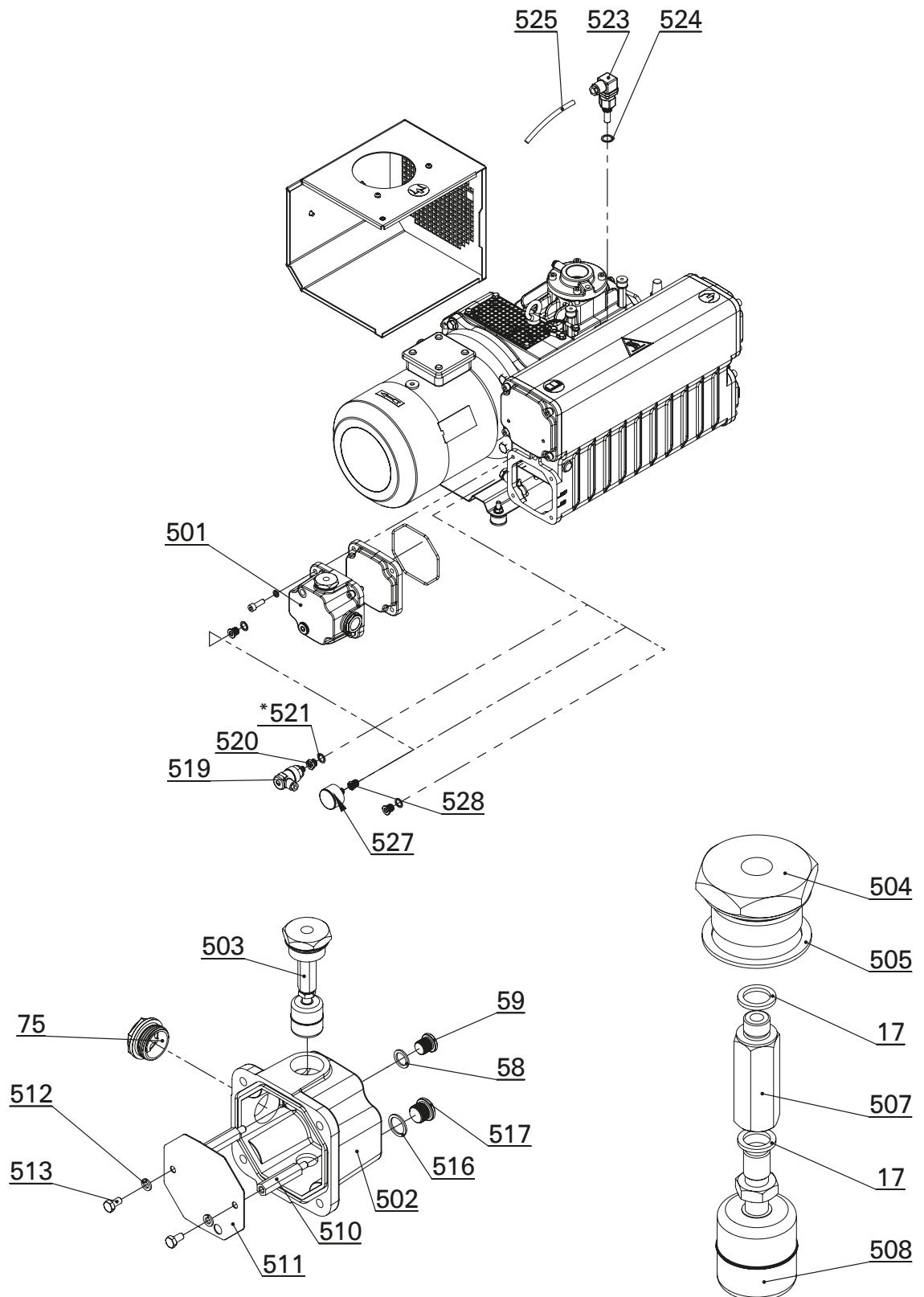
Exploded pump



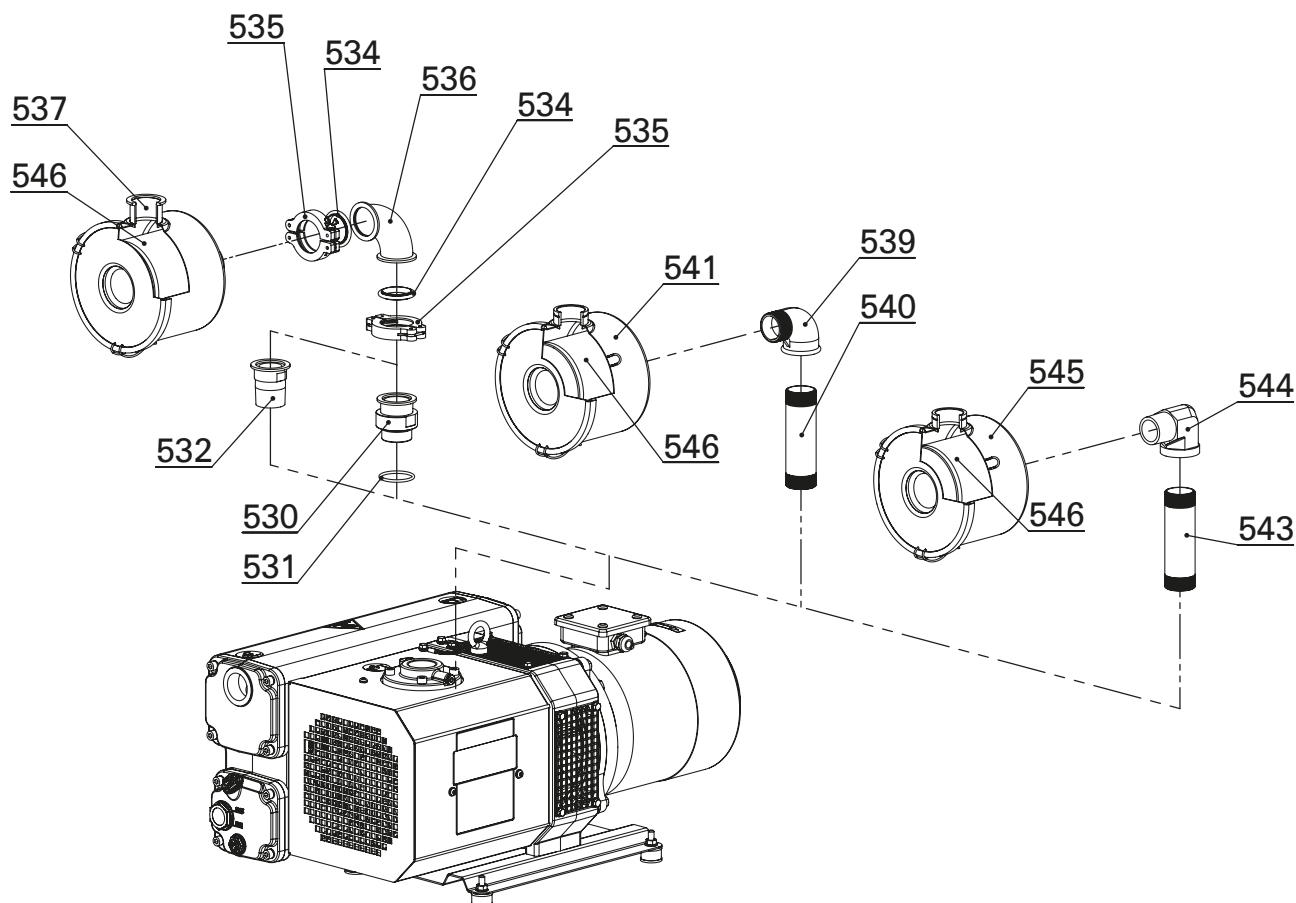
Exploded tank



Exploded accessories



Exploded accessories



Spare parts list

POS.		DESCRIPTION	PZ
1		Pump body assembly	1
2		Body of pump	1
3		External side cover	1
4	G		2
5		Ø5x24 Pin	4
6		M8x40 Hex. Screw (flanged and knurled)	9
7		D.52 Shim ring	2
8		Ball bearing 6205	2
9		Rotor	1
10		Vane	3
11		LR 25x30x30 Bushing	1
12		Motor side cover	1
13	G	BABSL 30x40x7 Seal ring	1
14	G	BA 30x42x7 Seal ring	1
15		I42 Seejer	1
16		M5x12 Hex. Socket set screw	2
17		Ø2,5mm reduction (M6x16)	2
18		1/8"G Al washer	3
19		1/8"G Plug	3
20		Plate	1
21		Plate support	1
22		Ø6 Lock washer	3
23		M6x10 Hex. socket head ground screw	3
24		8x7x30 key	1
25		Pump side coupling half	1
26	R	Elastic coupling insert	1
27	G	OR4525	1
28		M8 Nut flanged and knurled	4
29		Sleeve	1
30		Vibration damping foot	4
31		Tank assembly	1
32		Tank	1
33		Motor side lower cover	1
34	G R	OR4450	2
35		Motor side upper cover	1
36	G	OR4512	1
37		Demister support mesh	1
38		Tank demister	1
39		Stay bolt for exhuast filter	1
40		Exhaust filter stay bolt sleeve	1
41		Ø8 Elastic washer	12
42		M8 x 25 Hex. Socket head screw	12
43		Ext. side lower tank cover	1
44	R	1/2"G Fibre washer	2
45		1/2"G Filling-discharge plug	2
46		Tank micro-stretched sheet	1
47	R	Exhaust filter	1

48		Disk for exhaust filter	1
49		Ø8/40 Washer	1
50		Al ø8.4/13x1 Washer	1
51		M8 x 35 Hex. Socket head screw	1
52		Float port	1
53	G		1
54		Float valve	1
55	G	Rubber seal	1
56	G	OR 108	1
57		M4x8 Hex. Sock. Stud bolt	1
58		Stud bolt	2
59		Ø5 washer	2
60		Ø5 elastic washer	2
61		M5 Nut	2
62		1/4"G Al washer	1
63		1/4"G Hexagon socket head plug	1
64		1"G Fibre washer	1
65	R	1" Oil sight glass	1
66	G	OR4512	1
67		External side upper cover	1
68		Ø8 Elastic washer	4
69		M8 x 25 Hex. Socket head screw	4
70		Base-plate	1
71		M10x20 Hexagon screw flanged and knurled	4
72		M10x35 Stud bolt	4
73		M10 Nut flanged and knurled	4
74		M10x45 Hex. socket head screw	2
75		M10 Eyebolt	1
76		M10x30 Hexagon screw flanged and knurled	4
77		Motor flange	1
78		Fan assembly	1
79		Electric motor	1
80		Ø12 washer	4
81		Ø12 elastic washer	4
82		M12x30 Hex. screw	4
83		M10x75 Hex. Socket head screw	1
84		1/4"G Cu washer	12 (13 HWT)
85		Motor side lubrication pipe	1
86		1/4"G Hollow bolt	6
87		Ext. Side lubrication pipe	1
88		Helicoidal spring	1
89		Inlet valve plate	1
90	G		2
91		Inlet valve disk	1
92	G		1
93		Inlet mesh support	1
94		Inlet filtering mesh	1
95		D.62 Shim ring	1

Spare parts list

96	Inlet port	1
97	1/8"G Al washer	1
98	1/8"G Plug	1
99	M8 x 35 Hex. Socket head screw	4
100	1/8"G Cu washer	8
101	Oil recovery pipe	1
102	1/8"G Hollow bolt	4
103	Gas ballast pipe	1 (0 HWT)
104	1/4"G ball valve	1 (0 HWT)
105	1/4"G Fitting+ non return valve	1 (0 HWT)
106	Silencer	1 (0 HWT)
107	Oil pipe (outlet seal ring)	1
108	Vibration damping foot	4
109	Vibration damping foot extension	2
110	Carter	1
111	Ø6 washer	2

112	M6x10 Hexagon socket oval head screws	4
113	Ø5 washer	2
114	Ground wire	1
115	M6x12 Hex. screw flanged and knurled	2
116	High temperature label	1
117	Inlet label	1
118	Exhaust label	1
119	Manual Label	1
120	MS-101 label	1
121	Rotation label	1
122	Gas ballast	1 (0 HWT)
123	Reduction 3/8"-1/4"	1 (0 HWT)
124	Extension fitting	1 (0 HWT)
125	Gas ballast support	1 (0 HWT)
126	HWT Gas ballast pipe	1 (0 HWT)

Accessories parts list

POS.	DESCRIPTION	PZ
501	MS-101 oil level protection switch	1
502	Cover for Oil level protection switch	1
503	Oil level switch assembly	1
504	Oil level switch port	1
505	1"G Al washer	1
17	1/8"G Al washer	2
507	Oil level switch extension	1
508	Oil level switch	1
75	1" Oil sight glass	1
510	Spacer	2
511	Partition	1
512	Ø6 elastic washer	2
513	M6x12 Hex. head screw fully threaded	2
58	1/4"G Al washer	1
59	1/4"G Hexagon socket head plug	1
516	3/8"G Al washer	1
517	3/8"G Hexagon socket head plug	1
518	Exhaust filter control pressure switch	1
519	Pressure switch	1
520	1/4"-1/8"G M-f Cil. Reduction	1
*521	1/4"G Al washer	1
506	Pump thermal protection switch	1
523	Safety temperature switch	1

524	3/8"G Al washer	1
525	Silicone cable	1
526	Pressure gauge kit	1
527	Pressure gauge for exhaust filter	1
528	M-f 1/4"-1/8" G adapter	1
529	GAS / KF Adapter kit	1
530	GAS / KF Adapter	1
531	G OR 147	1
532	NPT / KF Adapter	1
533	Connection fitting kit for KF filter	1
534	DN40KF Centering ring	2
535	DN40KF Clamping ring	2
536	DN40KF Elbow 90°	1
537	DN40KF Inlet filter	1
538	Connection fitting kit for gas filter	1
539	A4 1"1/4G Elbow union	1
540	M-M 1"1/4G Pipe fitting	1
541	1"1/4G Inlet filter	1
542	Connection fitting kit for NPT Filter	1
543	M-M 1"1/4 NPT Pipe fitting	1
544	1"1/4 NPT Elbow	1
545	1"1/4 NPT Inlet filter	1
546	R Filter element intake filter	1



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