

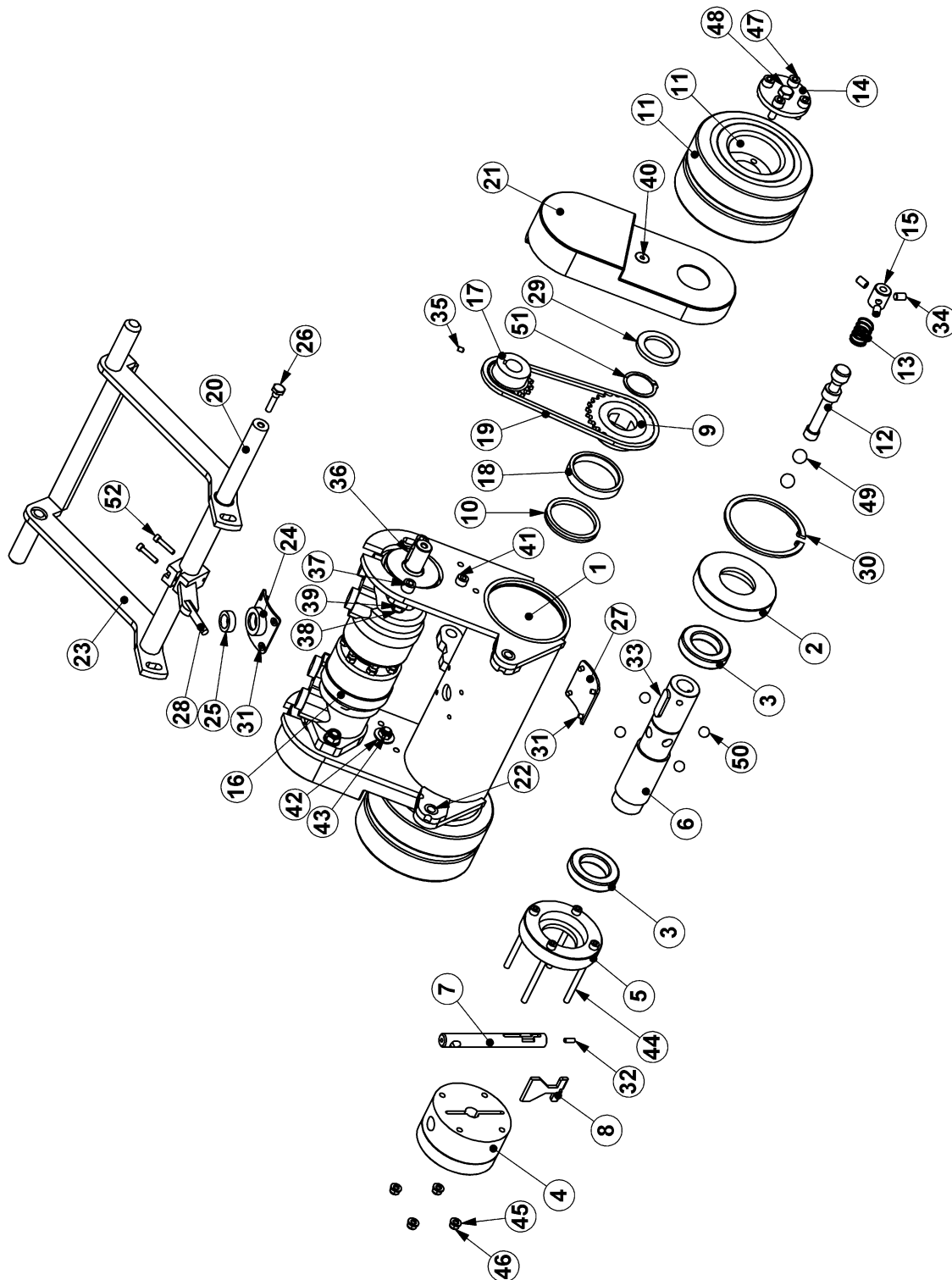


SERVICE MANUAL BMP-335 EHY/GHY

VERSION 2.3

1. Spare parts

Drive unit

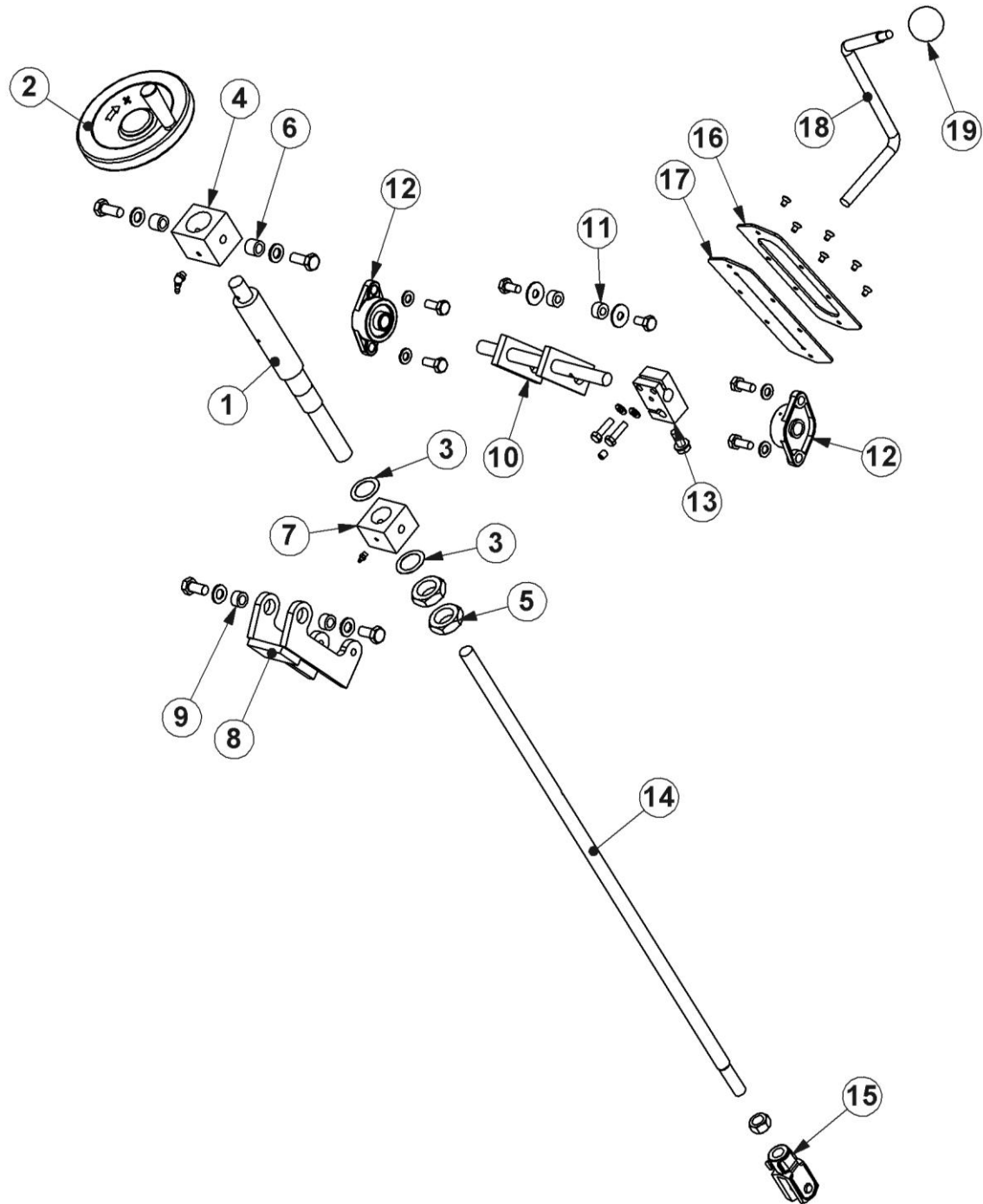




Drive unit

Item	Part number	Description	Qty.
1	E03854	Drive bracket	1
2	E03863	Bearing house outer	2
3	E01477	Bearing	4
4	E03855	Clutch house	1
5	E03862	Bearing house inner	2
6	E03864	Wheel shaft	2
7	E03860	Shaft slide plate	1
8	E03861	Slide plate	1
9	E03936	Bottom sprocket	2
10	E03939	V-ring seal	2
11	E03935	Wheel complete	2
12	E03865	Coupling shaft	2
13	E03942	Spring	2
14	E03869	End plate	2
15	E03866	Spring retainer	2
16	350-4005-S	Hydraulic motor	2
17	E03945	Sprocket	2
18	E03937	Distance ring	2
19	E00237 (1.5M)+ E00238 + E00451	Chain complete	2
20	E03870	Hinge shaft	1
21	E03871	Chain guard	2
22	E03943	Bush	2
23	E03948	Treadle	1
24	E03946	Dust protection	1
25	E03947	Felt seal	1
26	E04035	Hinge bolt	2
27	E04034	Cover plate	1
28	E04037	Lever	1
29	E04462	Felt seal	2
30		Circlip Ø120	2
31		M6x10 Hexagon socket screw	8
32		M6x16 Hexagon socket screw	1
33		14x9x50 Parallel key	2
34		M10x16 Hexagon socket screw	6
35		M6x8 HEXAGON SOCKET SCREW	2
36		30x8x7 Parallel key	2
37		M12x40 Hexagon Socket Head Cap	4
38		M12-Plastic Insert Nut	4
39		M12-Washer	4
40		M10x40 Countersunk Head Screw	2
41		M10x35 Hexagon Socket Head Cap	2
42		M10-Washer Ø30	2
43		M10-Plastic Insert Nut	2
44		M8x110 Hexagon Socket Head Cap	4
45	BE0003	M8 WASHER	4
46		M8 plastic insert nut	4
47		M10x25 Hexagon Socket Head Cap	8
48		M12x35 Bolt	2
49	E03941	Ball Ø20	4
50	E03940		8
51		Circlip Ø45	2
52		M6x30 Hexagon Socket Head Cap	2

Lifting device

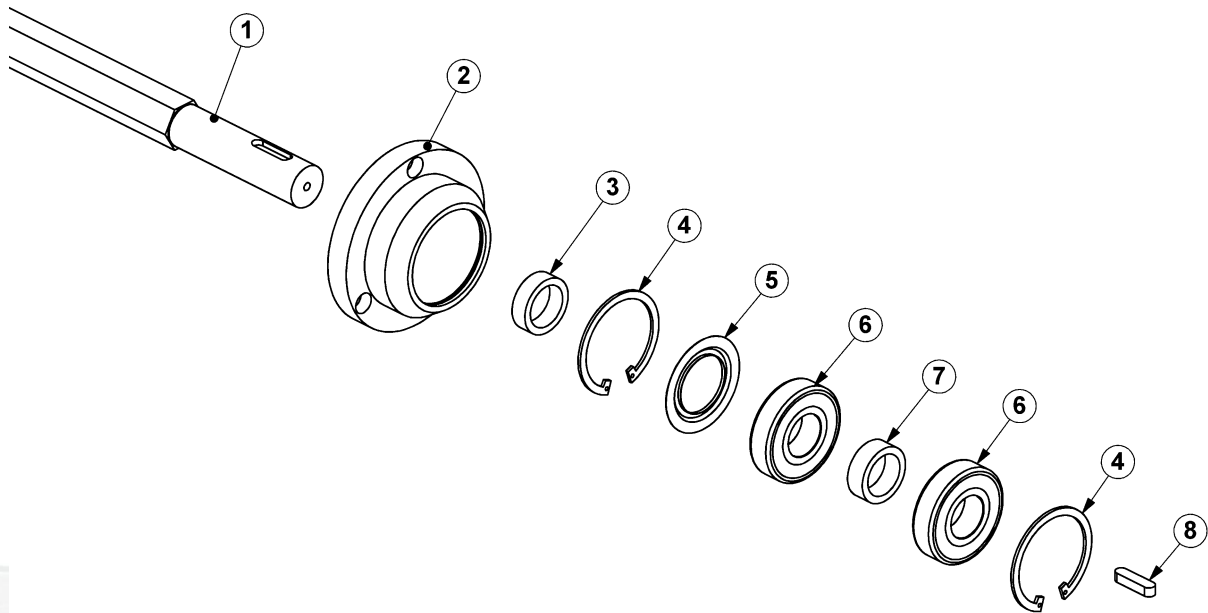




Lifting device

Item	Part number	Description	Qty.
1	E03349	Spindle sleeve	1
2	E03353	Handwheel	1
3	E03352	Shim 40x28x0.5	2
4	E03350	Upper bearing	1
5	BE1071	M27x1,5 nut	2
6	E03326	Bush	2
7	E03351	Lower bearing	1
8	E03356	Knee lever	1
9	E03363	Bushing	2
10	E03358	Knee lever axle	1
11	E03362	Bushing	2
12	E03359	Bearing	2
13	E03360	Clamping piece	1
14	E03355	Spindle	1
15	BE0561	M16 Fork Joint	1
16	E03368	Gasket cover plate	1
17	E03367	Gasket	1
18	E03365_1	Lever	1
19	E03365_2	Knob lever	1

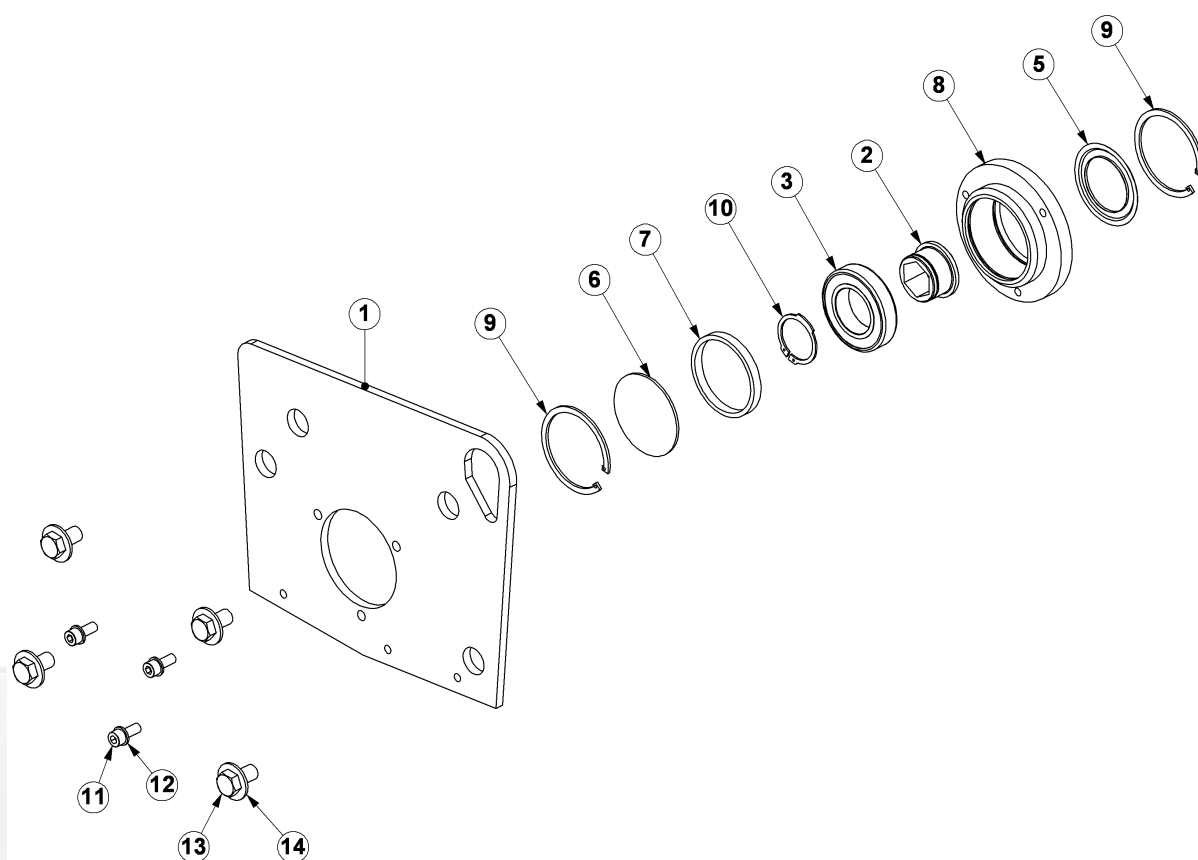
Bearing unit complete E03952



Item	Part number	Description	Qty.
1	E04041	Hexagon drive shaft	1
2	E03313	Bearing house left	1
3	E04042	Distance ring	1
4	BE0107	Circlip Ø80	2
5	E03312	Protection ring	1
6	E03991	Bearing	2
7	E03316	Distance bush	1
8	BE0661	Parallel key 10x8x50	1
1 - 8	E03952	Bearing unit complete	1



Side plate & bearing unit



Item	Part number	Description	Qty.
1	E06312	Side plate only	1
	E03932	Side plate only (For BMP's before 07-2010)	1
2	E03309	Hexagon driving support	1
3	E03992	Bearing	1
5	E03310	Protection ring	1
6	E03307	Cover disk	1
7	E03308	Distance ring	1
8	E03305	Bearing housing right	1
9	E03993	Circlip Ø90	2
10	BE0126	Circlip Ø50	1
11	BE0443	M10x25 Hexagon Socket Head Cap	3
12	BE0004	M10-Washer	3
13	BE0585	M16x30 Bolt	4
14	BE0306	M16-Washer	4
2-10	E03953	Bearing unit complete	1

This exploded view diagram illustrates the assembly of a mechanical device, likely a small pump or motor. The components are numbered 1 through 20:

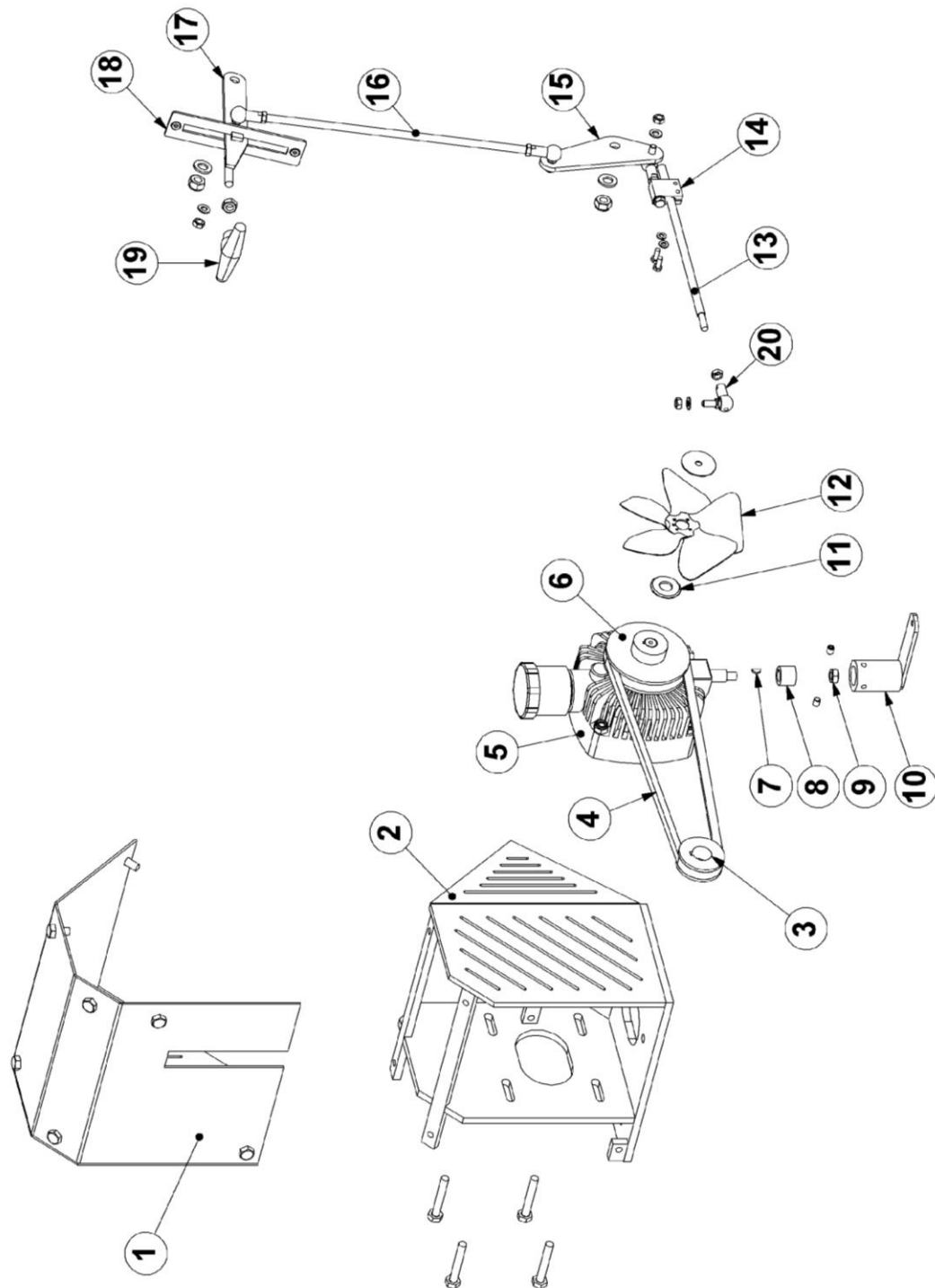
- 1**: Main cylindrical housing with a mounting flange.
- 2**: Small circular component, possibly a bearing or seal.
- 3**: Small gear or impeller component.
- 4**: Small circular component, possibly a bearing or seal.
- 5**: Fan or impeller with three blades.
- 6**: Small cylindrical component, possibly a pin or bush.
- 7**: Motor or actuator unit with a threaded base.
- 8**: Small cylindrical component, possibly a pin or bush.
- 9**: Small cylindrical component, possibly a pin or bush.
- 10**: Small cylindrical component, possibly a pin or bush.
- 11**: Rectangular mounting plate or base.
- 12**: Small component, possibly a pin or bush.
- 13**: Small component, possibly a pin or bush.
- 14**: Small component, possibly a pin or bush.
- 15**: Long shaft or rod.
- 16**: Rectangular mounting plate or base.
- 17**: Small component, possibly a pin or bush.
- 18**: Small component, possibly a pin or bush.
- 19**: Small component, possibly a pin or bush.
- 20**: Small component, possibly a pin or bush.

The diagram shows the relative positions and assembly sequence of these parts, with arrows indicating the direction of assembly.



Hydraulic pump & drive control of BMP-335 EHY

Item	Part number	Description	Qty.
1	E04001	Pump motor	1
2	E04050	Coupling part 1	1
3	E04052	Coupling insert	1
4	E04051	Coupling part 2	1
5	E03378	Fan	1
6	E03996_8	1/8 x 1/2 Woodruff key	2
7	E03996_1	Hydraulic gearbox	1
8	E04008	Adapter	1
9	BE0639	Nut 3/8-16 UNC	1
10	E03379	Lever	1
11	E04004	Cover	1
12	E03387	T-grip	1
13	E03984	Lever	1
14	E03366	Lock-in plate	1
15	E03385	Threated end	1
16	E04002	Bracket hydropump	1
17	E03985	Lever plate	1
18	E03388	Clamping piece	1
19	E03983	Rod	1
20	B20929	M8 Ball & socket joint	3

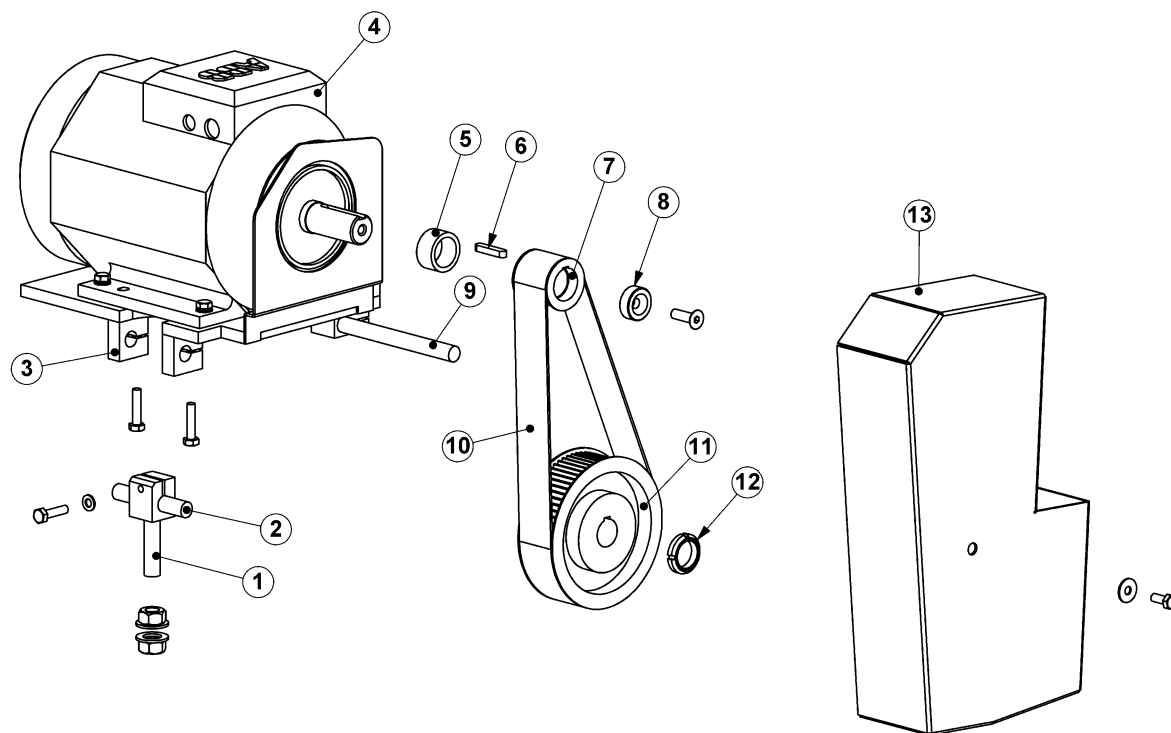
Hydraulic pump & drive control of BMP-335 GHY



Hydraulic pump & drive control of BMP-335 GHY

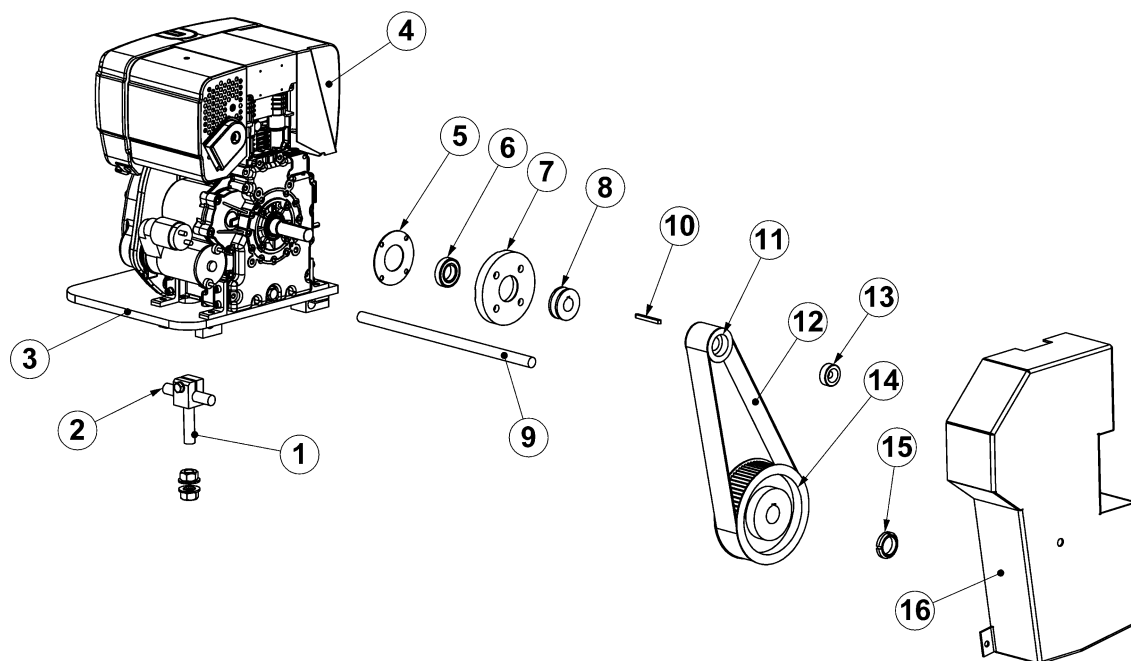
Item	Part number	Description	Qty.
1	E04797	Cover	1
2	E04795	Bracket hydropump	1
3	E04780	Pulley	1
4	E06052	Belt	1
5	E03373	Hydraulic pump	1
6	E03375	V-belt pulley	1
7	E03996_8	1/8 x 1/2 Woodruff key	2
8	E04008	Adapter	1
9	BE0639	Nut 3/8 – 16 UNC	1
10	E03379	Lever	1
11	E03376	Pulley washer	1
12	E06013	Fan	1
13	E03983	Rod	1
14	E03388	Clamping piece	1
15	E03985	Lever plate	1
16	E03385	Threaded end	1
17	E03984	Lever	1
18	E03366	Lock-in plate	1
19	E03387	T-grip	1
20	B20929	M8 Ball & socket joint	3

Drive BMP-335 EHY



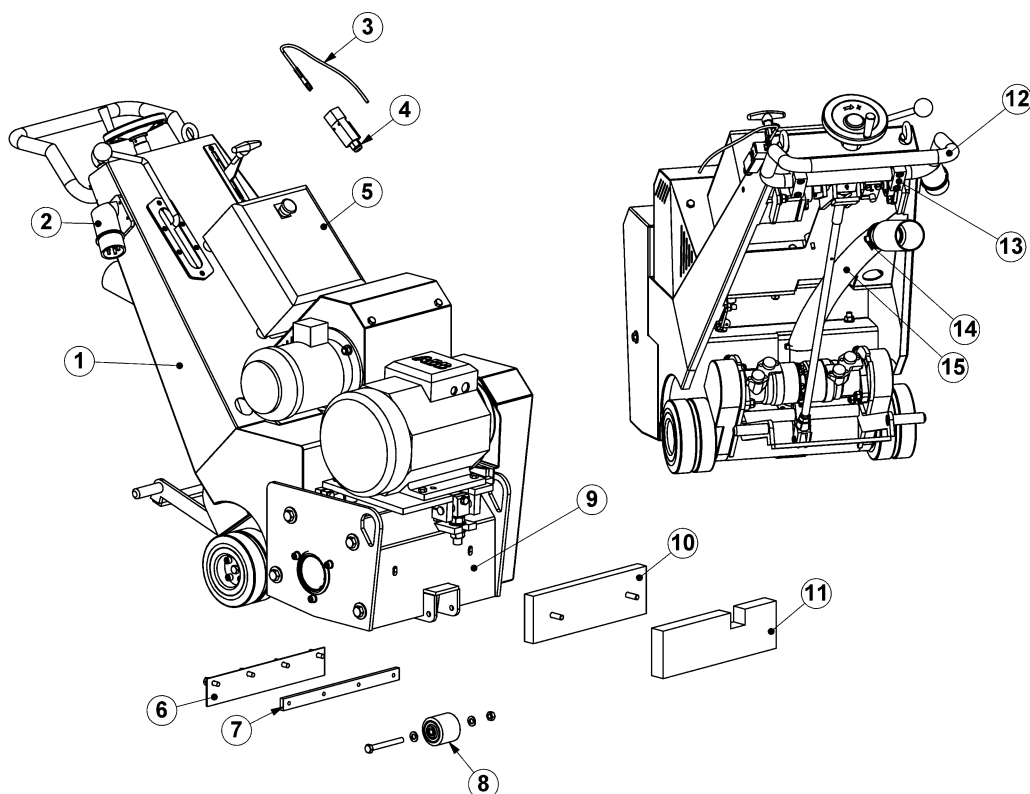
Item	Part number	Description	Qty.
1	E03392	Eye bolt	1
2	E03393	Bolt	1
3	E03977	Motor base plate	1
4	E04058-IE2	Motor 11 kW	1
5	E04014	Distance bush	1
6	BE0661	Parallel key 10x8x50	1
7	E03404	Pulley	1
	E04660	Pulley for 60Hz	1
8	E04013	Fixation bush	1
9	E03978	Shaft motor base plate	1
10	E04009	Belt	1
11	E03406	Pulley	1
12	BE0087	M35x1.5 slotted nut	1
13	E03998	Belt guard	1

Drive BMP-335 GHY



Item	Part number	Description	Qty.
1	E03392	Eye bolt	1
2	E03393	Bolt	1
3	E04774	Motor base plate	1
4	E04757	Diesel motor	1
5	E04049	Fill up plate	1
6	E03963	Bearing	1
7	E04047	Suspension bearing flange	1
8	E04780	Pulley	1
9	E03978	Shaft motor base plate	1
10		Parallel key	1
11	E04784	Pulley	1
12	E06004	Belt	1
13	E04013	Fixation bush	1
14	E03406	Pulley	1
15	BE0087	M35x1.5 slotted nut	1
16	E04798	Belt guard	1

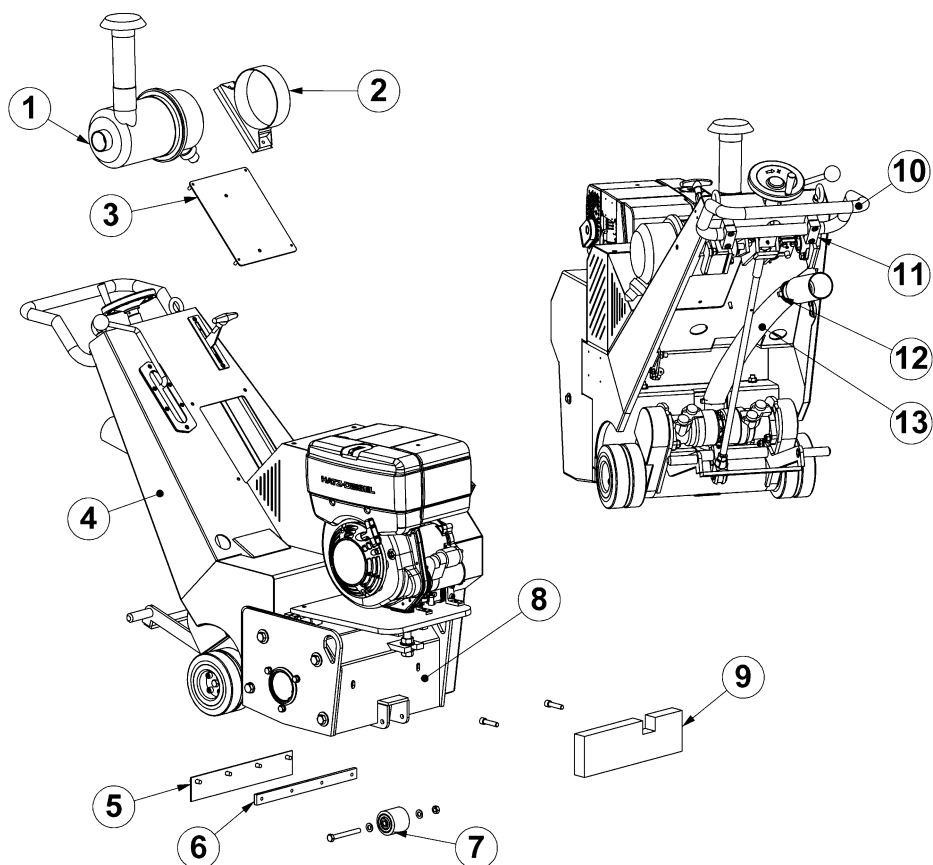
General parts for BMP-335 EHY



Item	Part number	Description	Qty.
1	E03974	Main body	1
2	DG17	Socket box	1
3	BG11758	Cord for deadman switch	1
4	BG11760	Deadman switch	1
5	E03997	Electrical panel	1
6	E03989	Rubber gasket	1
7	E03321	Clamping bar	1
8	E03317	Front wheel	1
9	E03931	Frame	1
10	E03412	Weight 1	1
11	E03413	Weight 2	1
12	E03382	Handle	1
13	E03381	Clamping piece	2
14	ST-73300	Hose clamp	2
15	E00561-1	Hose	0.7M

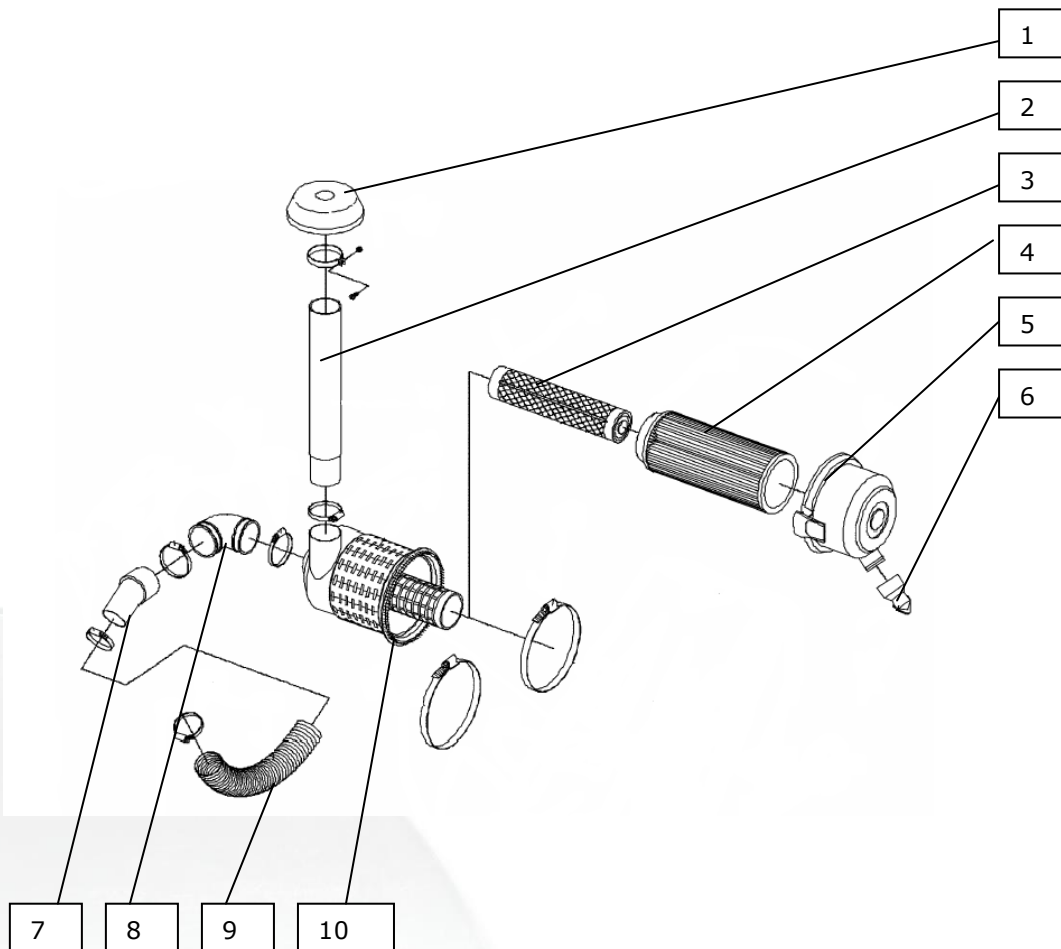


General parts for BMP-335 GHY



Item	Part number	Description	Qty.
1	E01610	Filter complete	1
2	E01613	Filter support	1
3	E06000	Cover plate	1
4	E03974	Main body	1
5	E03989	Rubber gasket	1
6	E03321	Clamping bar	1
7	E03317	Front wheel	1
8	E03931	Frame	1
9	E03413	Weight	1
10	E03382	Handle	1
11	E03381	Clamping piece	2
12	ST-73300	Hose clamp	2
13	E00561-1	Hose	0.7mtr

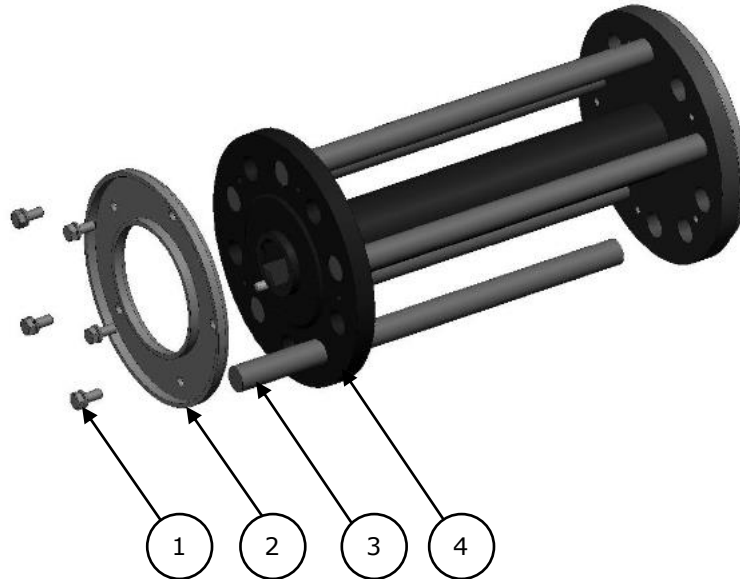
Air filter parts for BMP-335 GHY



Item	Part number	Description	Qty.
1	E01612	Rain cap	1
2	E01611	Connection pipe	1
3	-	Inner filter	1
4	-	Main filter	1
5	-	Filter cap	1
6	-	Cap	1
7	E06003	Adapter air filter	1
8	E06164	Corner Mann airfilter	1
9	004583	Hose	40cm
10	-	Filter housing	1
3-6,10	E01610	Filter housing complete	1

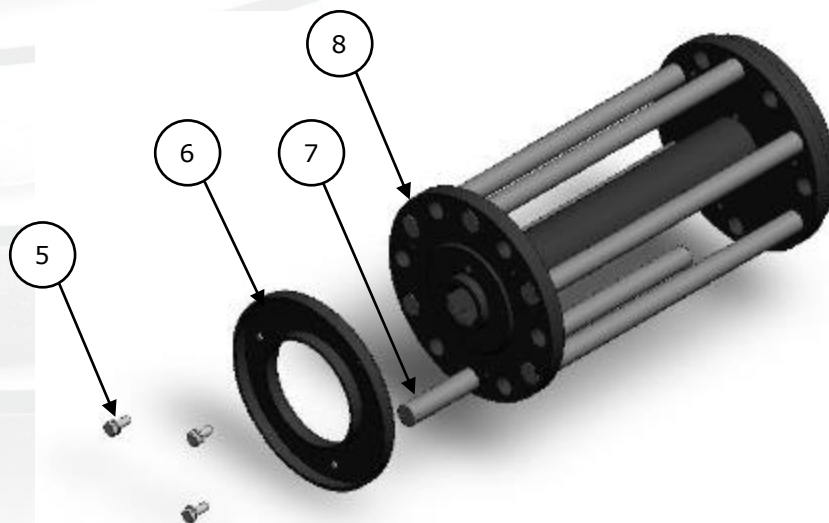


MPD335-522



Item	Part number	Description	Qty.
1	-	M8x20 bolt + M8 Spring lock washer	5
2	E03967	Retaining plate	2
3	MPA335-22	Drum shaft Ø22	5
4	-	Drum	1
1-4	MPD 335-522	Drum BMP-335 C/W 5 shafts 22 mm	
5	-	M8x20 bolt + M8 Spring lock washer	3
6	E04055	Retaining plate MPD335-620	1
7	MPA335-20	Drum shaft Ø20	6
8	-	Drum	1
5-8	MPD335-620	Drum BMP-335 C/W 6 shafts 20 mm	

MPD335-620



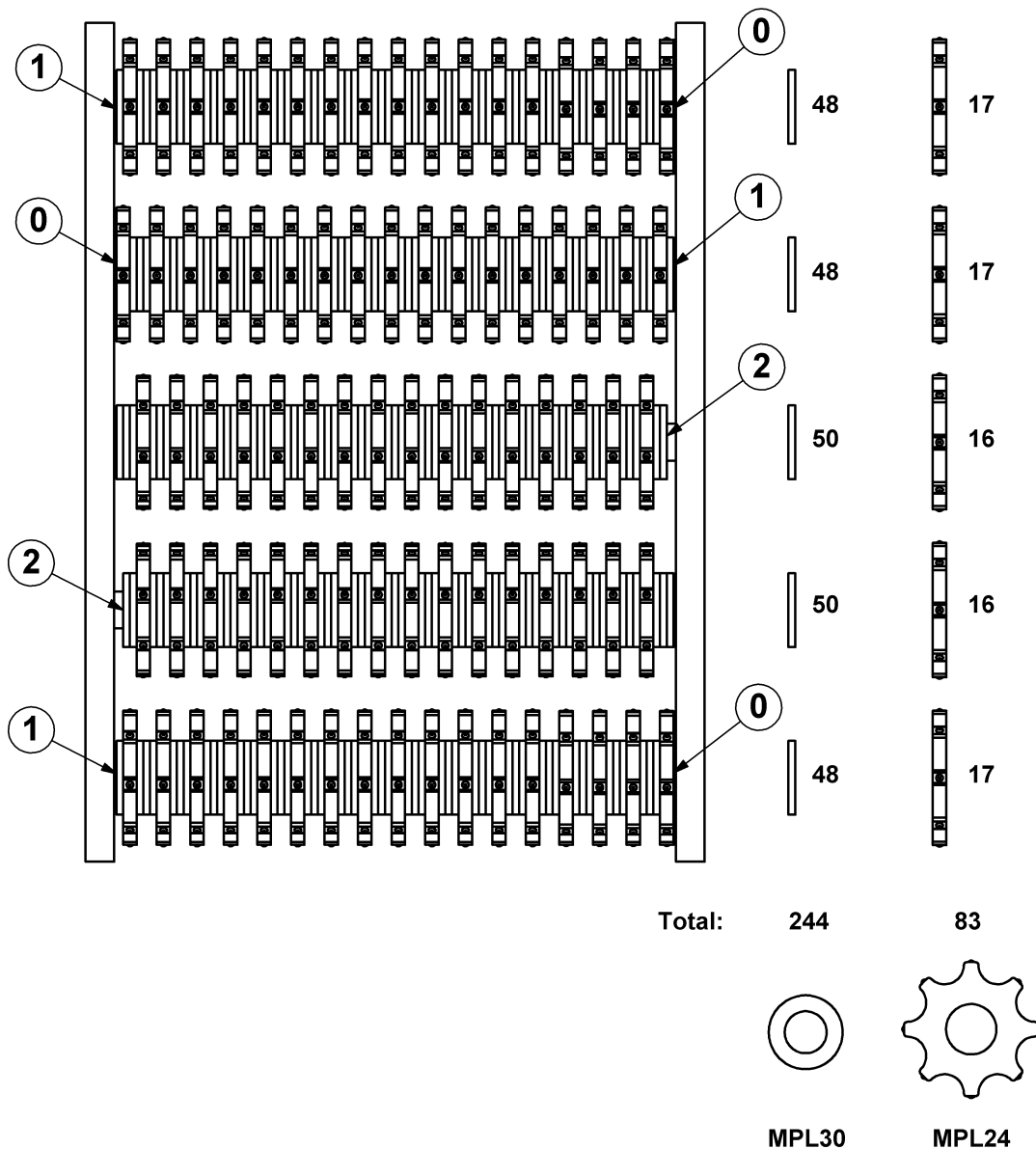


2. Assembly plans

Assembly plan MPD335-5L24S

1x	Drum	MPD335-522
5x	Drum shaft	MPA335-22
83x	Cutter	MPL 24
244x	Spacer ring	MPL 30

3 spacer rings between cutters



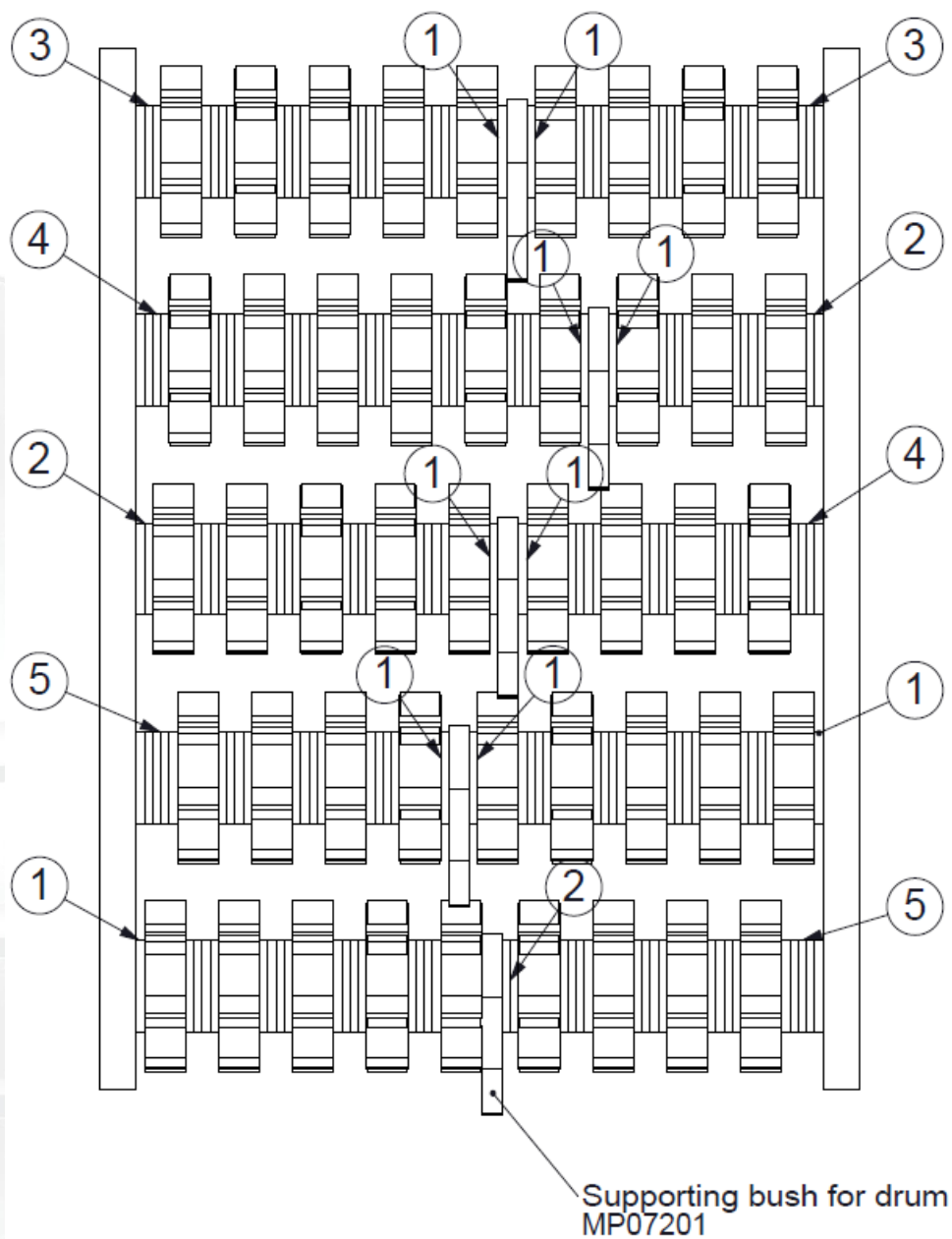


Assembly plan MPD335-522L29S

1x Drum
5x Drum shaft
45x Cutter
180x Spacer ring
5x Supp bush

MPD335-522
MPA335-22
MPL 29
MPL 30
MP07201

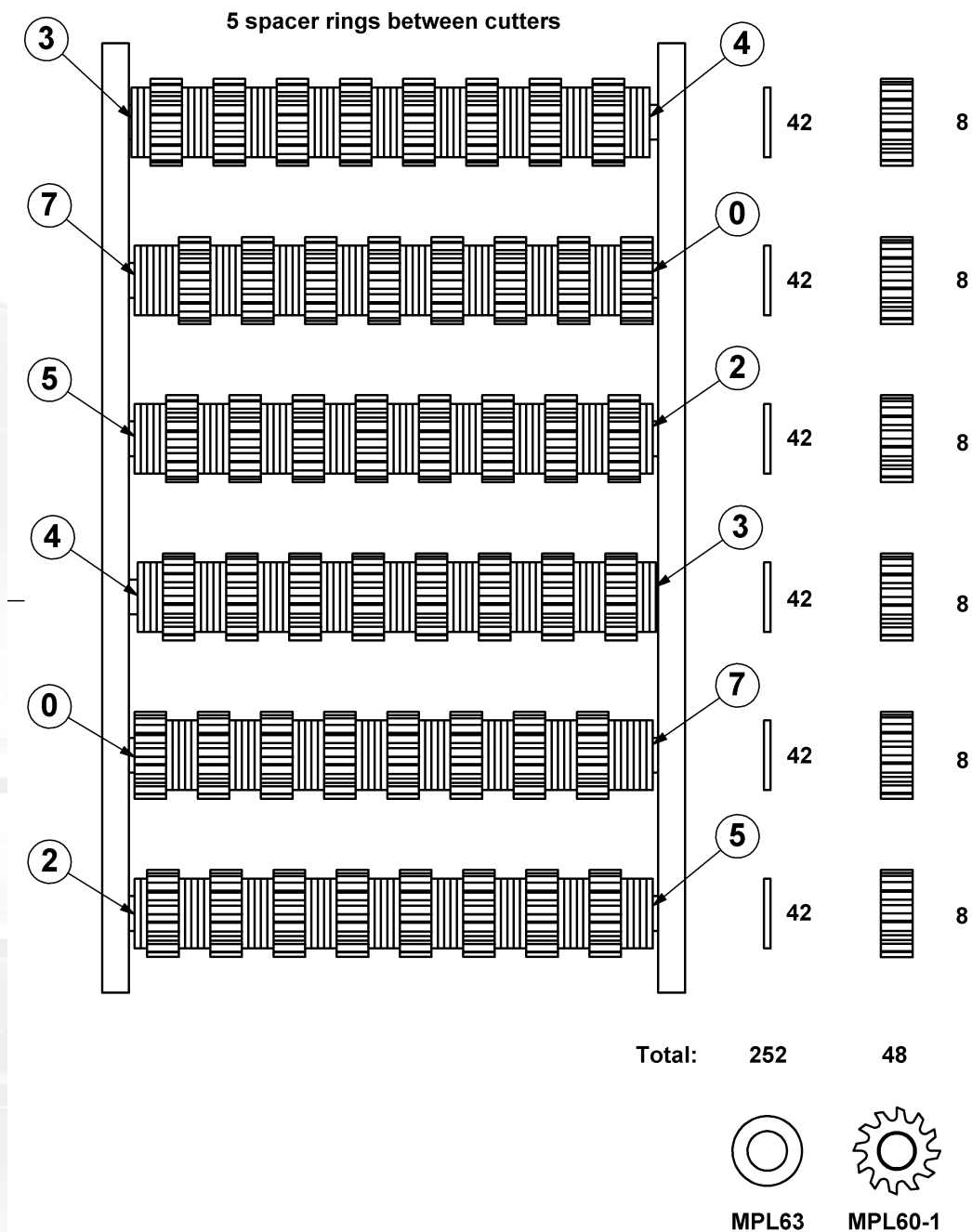
4 spacer rings between cutters





Assembly plan MPD335-620L60S

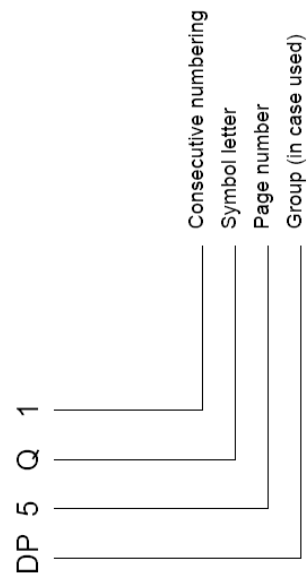
1x	Drum	MPD335-6/1
6x	Drum shaft	MPA335-20
48x	Cutter	MPL 60-1
252x	Spacer ring	MPL 63



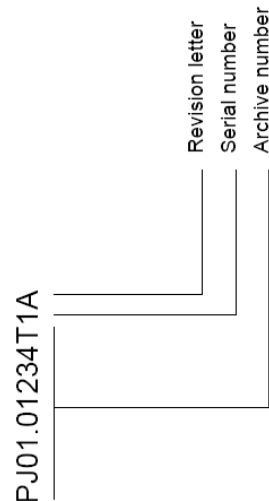
3. Electric schedules

E03997 / 3x 400V / 11kW / 50Hz

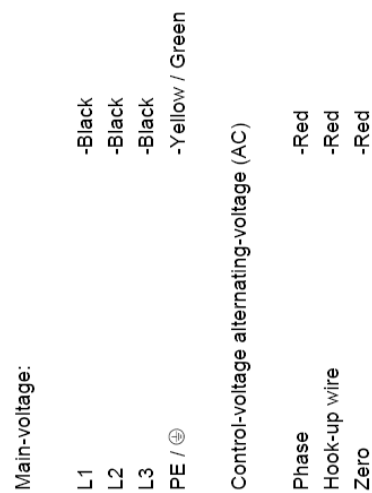
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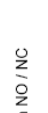
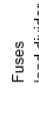
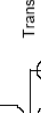
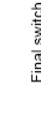


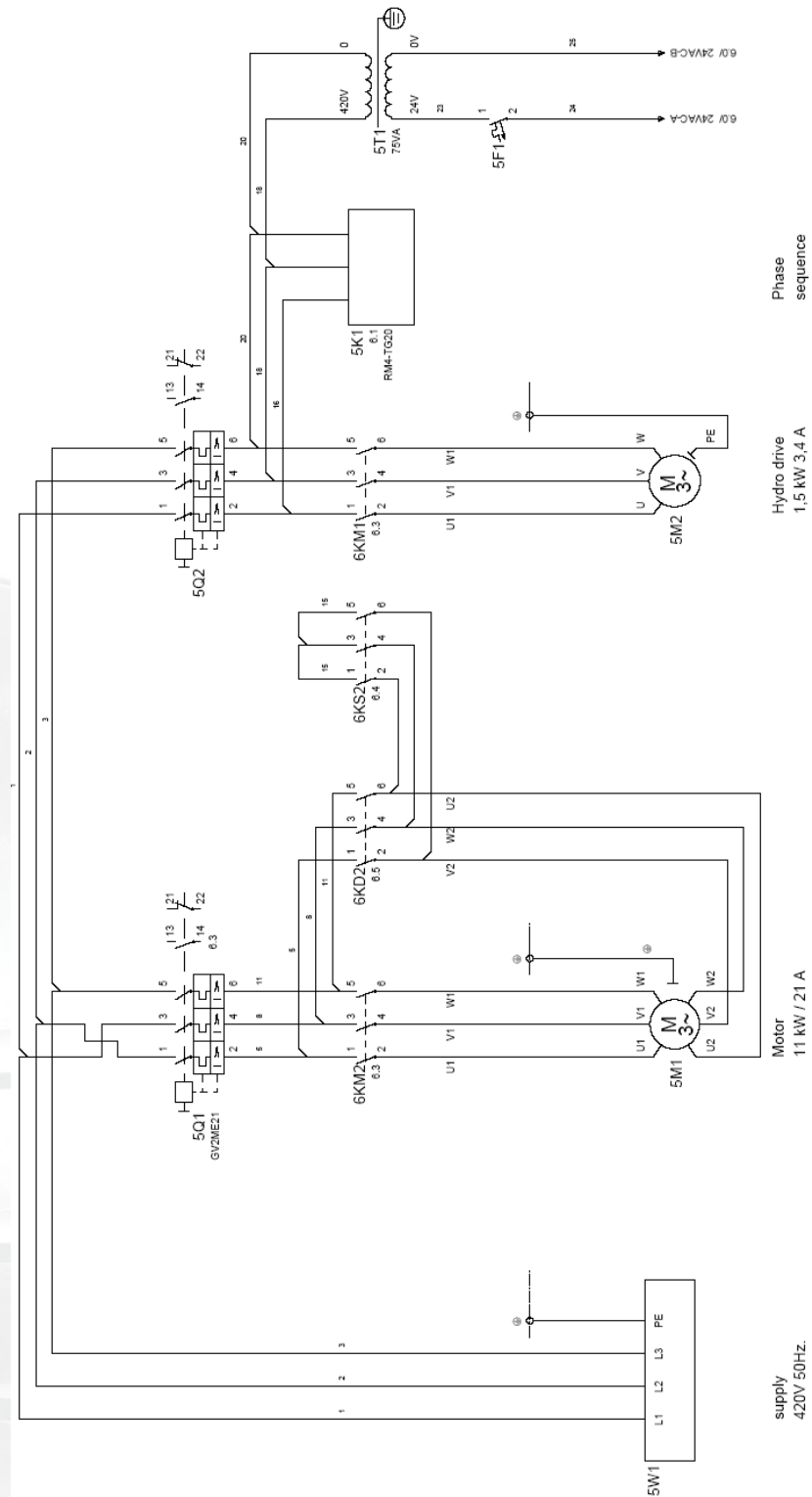
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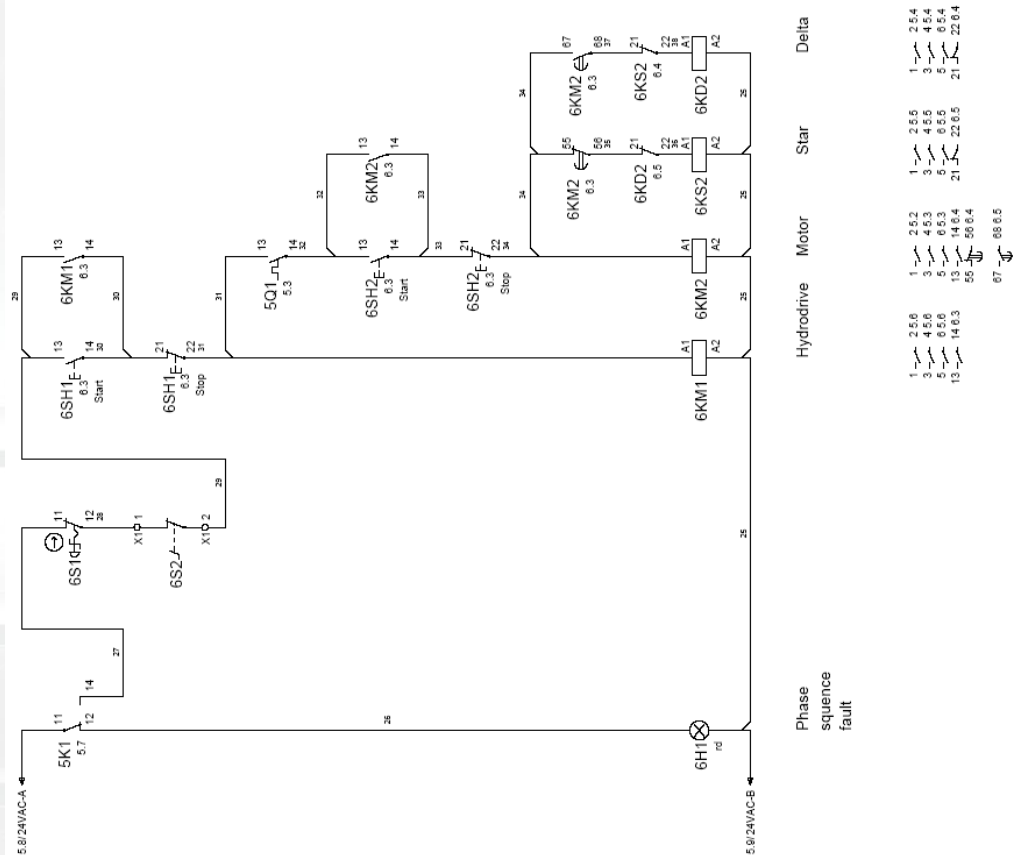


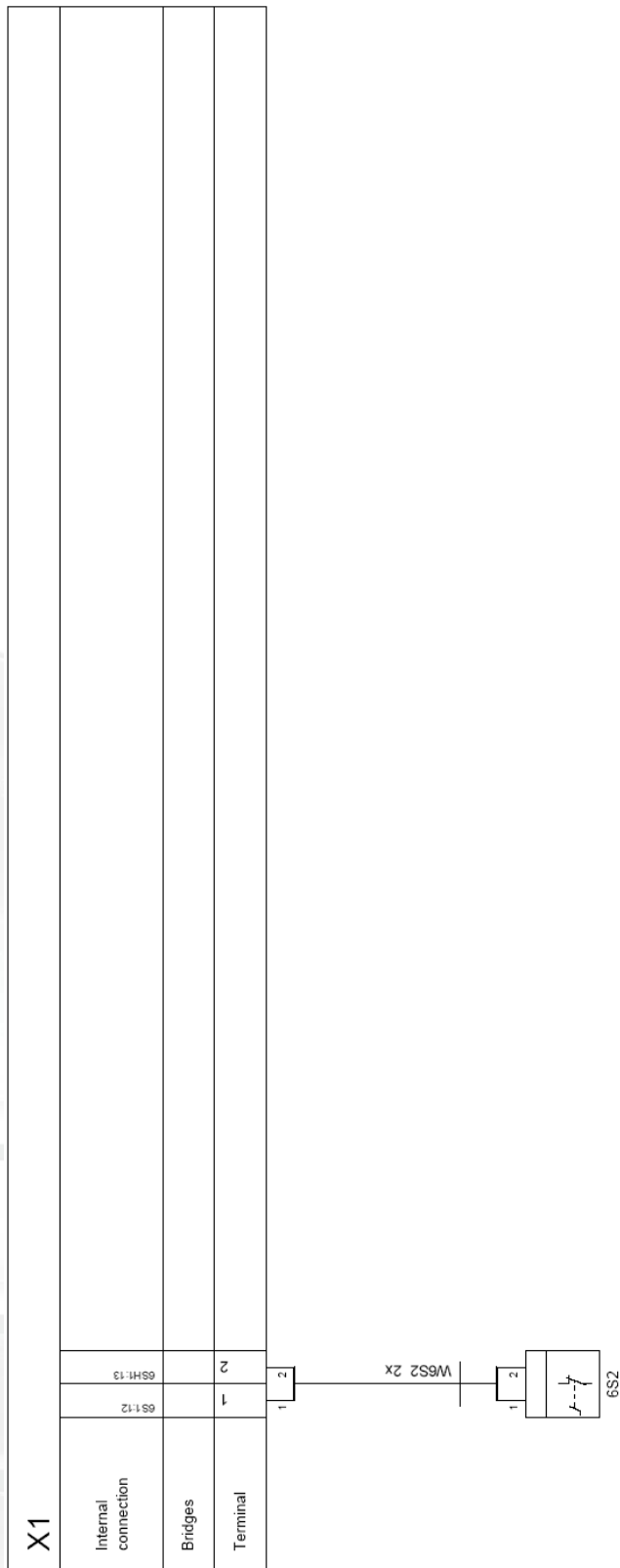
Wire color:



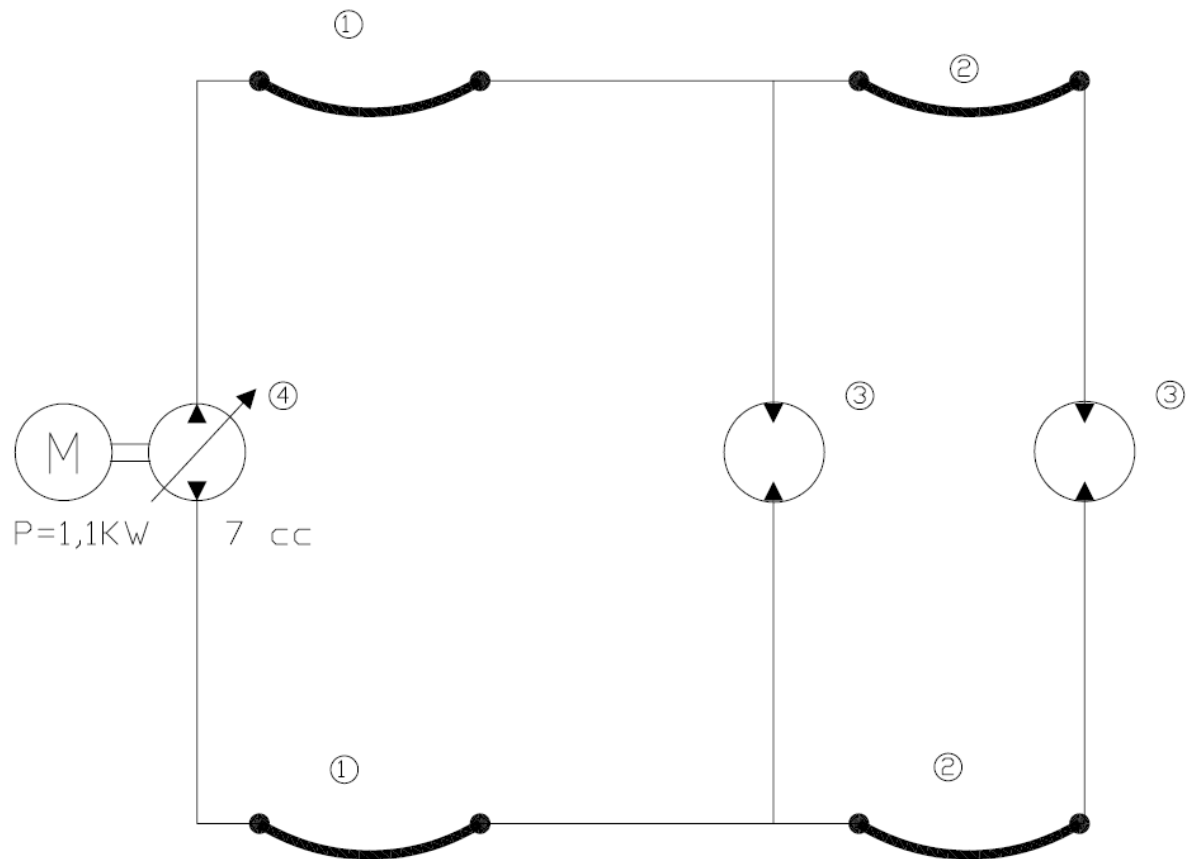
						
Emergency stop NC	Emergency stop NC	Emergency stop NC	Emergency stop NC	Emergency stop NC	Emergency stop NC	Emergency stop NC
						
NC Contact Drop-out delayed	NC Contact Drop-out delayed	NC Contact Drop-out delayed	NC Contact Drop-out delayed	NC Contact Drop-out delayed	NC Contact Drop-out delayed	NC Contact Drop-out delayed
						
NO Contact Cut-in delayed	NO Contact Cut-in delayed	NO Contact Cut-in delayed	NO Contact Cut-in delayed	NO Contact Cut-in delayed	NO Contact Cut-in delayed	NO Contact Cut-in delayed
						
Contact NO / NC	Contact NO / NC	Contact NO / NC	Contact NO / NC	Contact NO / NC	Contact NO / NC	Contact NO / NC
						
Rotary switch NO / NC	Rotary switch NO / NC	Rotary switch NO / NC	Rotary switch NO / NC	Rotary switch NO / NC	Rotary switch NO / NC	Rotary switch NO / NC
						
Pushbutton NO / NC	Pushbutton NO / NC	Pushbutton NO / NC	Pushbutton NO / NC	Pushbutton NO / NC	Pushbutton NO / NC	Pushbutton NO / NC
						
Level switch NO / NC	Level switch NO / NC	Level switch NO / NC	Level switch NO / NC	Level switch NO / NC	Level switch NO / NC	Level switch NO / NC
						
Pressure switch NO / NC	Pressure switch NO / NC	Pressure switch NO / NC	Pressure switch NO / NC	Pressure switch NO / NC	Pressure switch NO / NC	Pressure switch NO / NC
						
Pilot light	Pilot light	Pilot light	Pilot light	Pilot light	Pilot light	Pilot light
						
Main switch	Main switch	Main switch	Main switch	Main switch	Main switch	Main switch
						
Fuses load divider	Fuses load divider	Fuses load divider	Fuses load divider	Fuses load divider	Fuses load divider	Fuses load divider
						
Diode module	Diode module	Diode module	Diode module	Diode module	Diode module	Diode module
						
Resistance	Resistance	Resistance	Resistance	Resistance	Resistance	Resistance
						
Motor safety switch	Motor safety switch	Motor safety switch	Motor safety switch	Motor safety switch	Motor safety switch	Motor safety switch
						
Final switch NO / NC	Final switch NO / NC	Final switch NO / NC	Final switch NO / NC	Final switch NO / NC	Final switch NO / NC	Final switch NO / NC







Hydraulic schedule



Item	Part number	Description	Remarks	Qty.
1	E03996_2	Hydraulic hose	Long	2
2	E03996_3	Hydraulic hose	Short	2
3	350-4005-S	Hydraulic motor		2
4	E03996_1	Hydraulic pump CW	335EHY	1
4	E03373	Hydraulic pump CCW	335GHY	1
	E03996_4	Coupling GE 12L3/4UNFOMD	For pump	2
	E03996_5	Coupling GE 12LR1/2OMD	For motor	4
	E03996_6	T-coupling EL 12LOMD		2
	E07859	Elbow coupling EW 12LOMD		5
	E03996_8	Key 1/8 x 1/2 inch		1



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