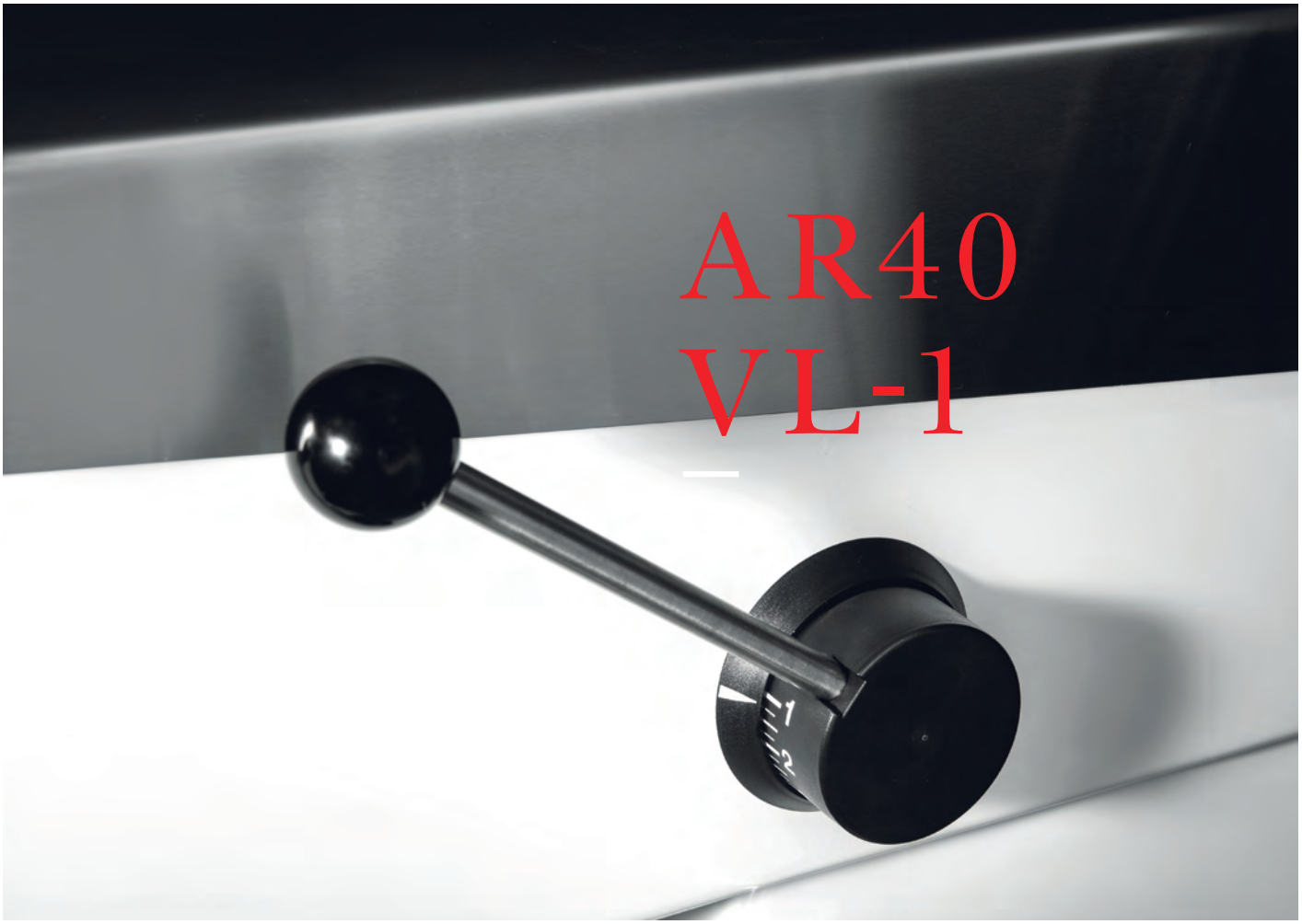

AR40
VL-1

Spare parts manual

Valid from machine number:
40008430

Varimixer

Varimixer A/S
Kirkebjerg Søpark 6
DK-2605 Brøndby
Denmark

P: +45 4344 2288
E: info@varimixer.com
www.varimixer.com

DRN: 24040-1302
2020 05 28

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ORDERING OF SPARE PARTS:

Sales of spare parts for our mixers, are handled in our sales and service department. When ordering spare parts, the following information must be provided:

1. **Type of machine.**

2. **Number of the machine.**

3. **Article number of the spare part in question. (Order no.)**

4. **Method of conveyance.**

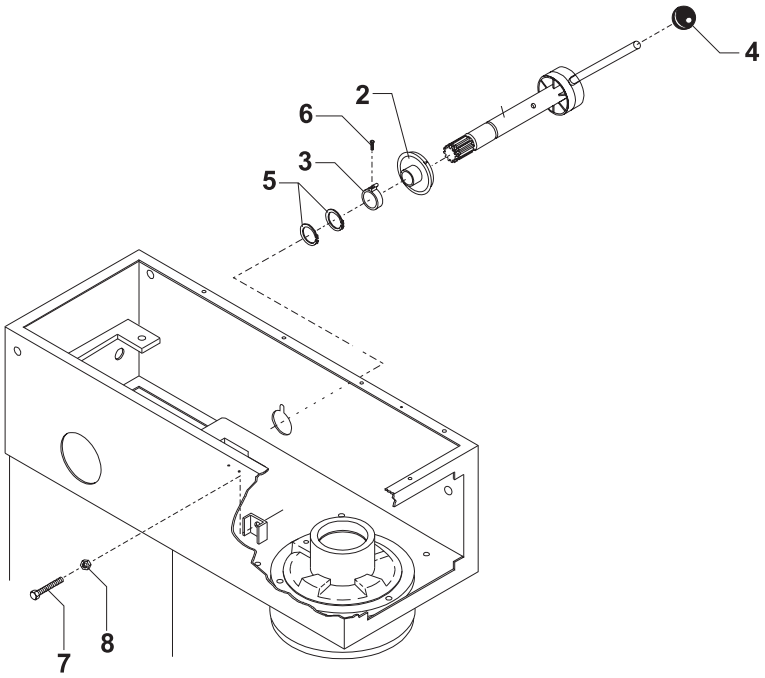
If one of the above pieces of information is missing, please contact our sales and service department before placing the order, as then we can assist you in finding the correct article number **(order no.)** of the spare part in question.

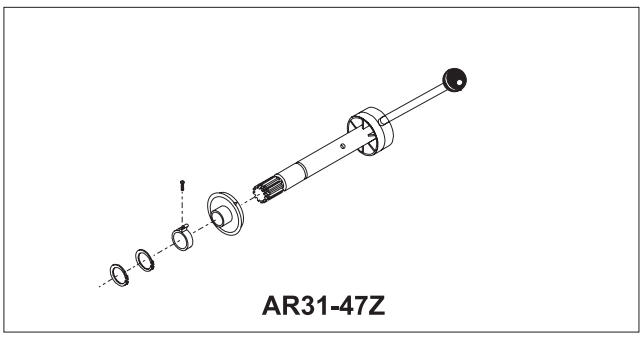
A few spare spare parts are not sold alone, in such cases reference is made at the pos.number to the assembly number to be used for ordering. The assembley numbers are shown on the relevant pages.

Returning of spare parts is only allowed when agreed with:

Varimixer A/S

Fig no.	Order no.	Description
2	AR30-47.10	Disc with arrow
3	AR30-47.11	Clamp
4	STA3306	Knob
5	STA3414	Circlip
6	STA5247	Screw
7	STA5439	Screw
8	STA5810	Nut
	AR31-47Z	Speed selector assembly

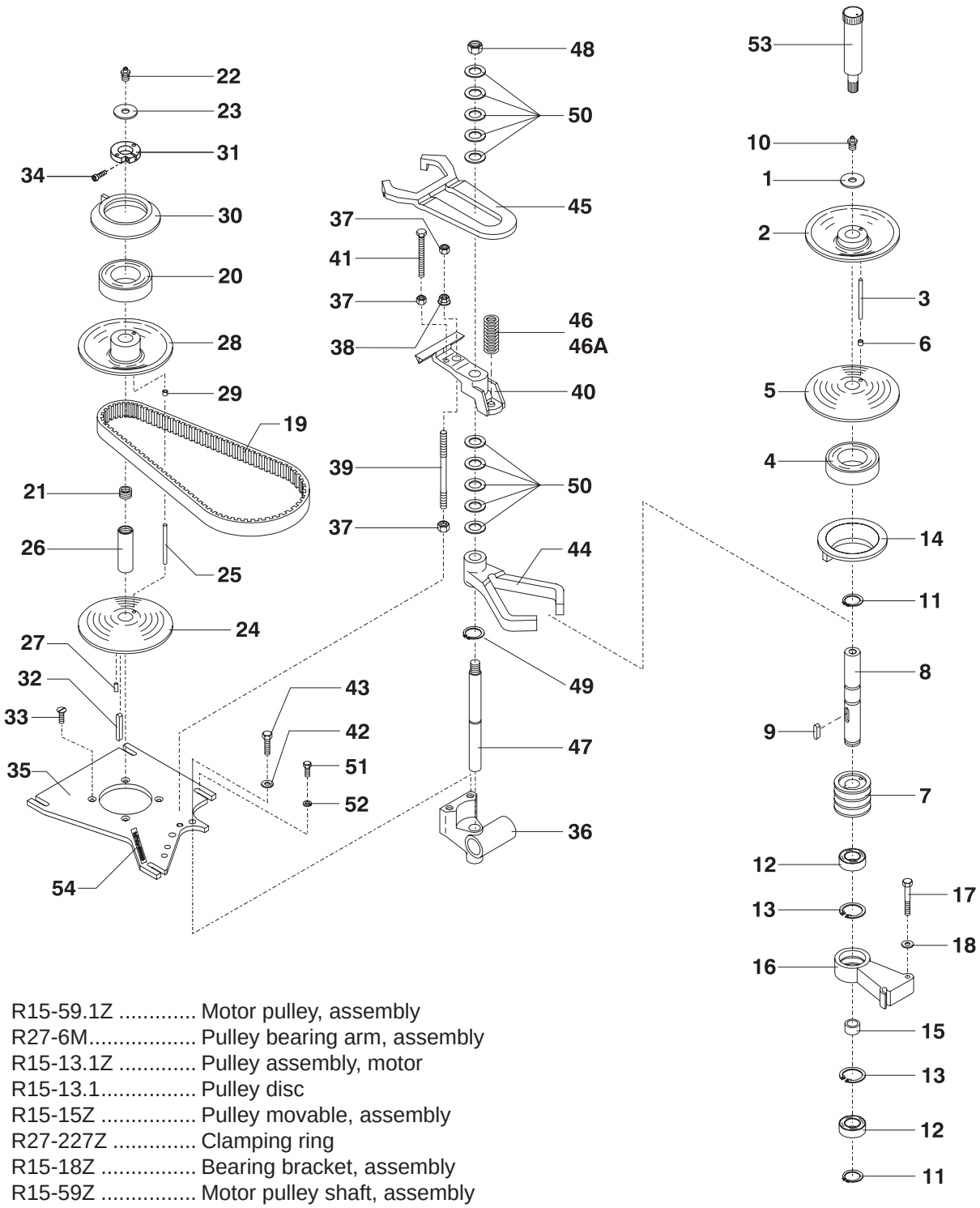




TRANSMISSION

Fig no.	Order no.	Description
1	STA6018	Washer
2	R15-13.1	Pulley assembly
3	R30-285	Pin
4	R15-103	Ball bearing
5	R15-15Z	Pulley movable, assembly
6	STA2505	Bearing bushing
7	R27-128	Pulley
8	R15-41Z	Bearing shaft assembly
9	STA2024	Key
10	STA3220	Grease nipple
11	STA3410	Circlip
12	6205 2RS	Ball bearing
13	STA3514	Circlip
14	R15-17.1	Switching ring
15	R15-143	Distance tube
16	R30-6	Bearing arm
17	STA5348	Screw
18	STA6033	Washer
19	R27-91	V-belt
20	R15-103	Ball bearing
21	R15-156	Threaded nipple
22	STA3220	Grease nipple
23	STA6018	Washer
24	R15-13.1Z	Pulley assembly
25	R30-285	Pin
26	R15-59.1Z	Motor pulley, assembly
27	STA5602	Screw
28	R15-15Z	Pulley movable, assembly
29	STA2505	Bearing bushing
30	R15-17.1	Switching ring
31	R27-227Z	Clamping ring
32	STA2011	Key
33	STA5018	Screw
34	STA5612	Screw
35	R60-61.1E	Base for motor
36	R15-18Z	Bearing bracket, assembly
37	STA5810	Nut
38	STA5895	Hex flange nut
39	AR31-305	Stud bolt
40	R20-26.1	Bracket for belt tightener
41	STA5446	Screw
42	STA6010	Washer
43	STA5345	Screw
44	R27-16M4	Fork for belt tightener, lower
45	R20-19	Fork for belt tightener
46	R20-275	Spring
46A	*2) .. W40P-275	
47	R15-46Z	Toothed rack assembly
48	STA5815	Nut
49	STA3407	Circlip
50	STA6040	Washer
51	STA5433	Screw
52	STA6034	Washer
53	R15-142	Grease gun
54	R20-249	Label, “Greased for life”

*2) .. Pizza version



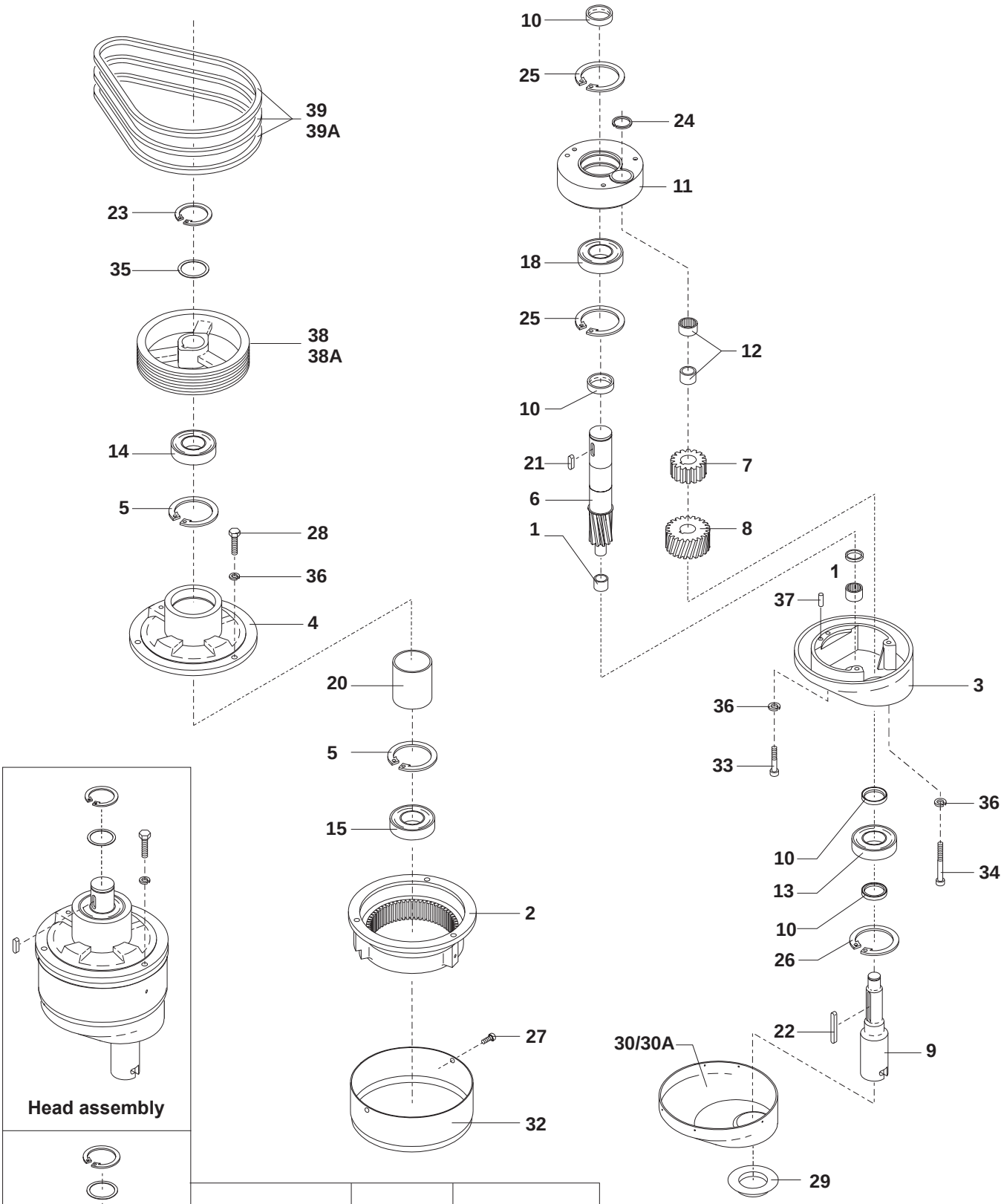
R15-59.1Z ..... Motor pulley, assembly
R27-6M..... Pulley bearing arm, assembly
R15-13.1Z ..... Pulley assembly, motor
R15-13.1..... Pulley disc
R15-15Z ..... Pulley movable, assembly
R27-227Z ..... Clamping ring
R15-18Z ..... Bearing bracket, assembly
R15-59Z ..... Motor pulley shaft, assembly
R15-46Z ..... Toothed rack, assembly
R15-41Z ..... Bearing shaft

R15-59.1Z R27-6M	R15-13.1Z	R15-13.1	R15-15Z	R27-227Z R15-18Z	R15-59Z	R15-46Z	R15-41Z

PLANETARY HEAD

Fig no.	Order no.	Description
	*1) .. R40-2.2M	Planetary head, assembly
	*3) .. R40-2.4MR	
	*2) .. R40-2.15M	
	*4) .. R40-2.17MR	
1	R40-101Z	Needle bearing compl.
2	R40-1	Gear wheel rim
3	R40-2Z	Eccentric head, kit
3.1	*1) .. R40-2.2Z	Eccentric head assembly
	*2) .. R40-2.15Z	
4	R40-3Z	Main bearing, assembly
5 + 26	STA3526	Circlip
6	R40-30Z	Main shaft, assembly
7	R40-31	Rim pinion
8	R40-32	Rim pinion, lower
9	*1) .. R40-33Z	Bayonet shaft, kit
	*2) .. AR40-33.5Z	Shaft, bayonet double, kit
10	R40-34	Distance piece
11	R40-36Z	Eccentric disc mounted
12	R40-96	Needle bearing
13	R40-97	Ball bearing
14	R40-98	Ball bearing
15	R40-99	Ball bearing
18	R40-100	Ball bearing
20	R40-141	Distance tube
21	STA2030	Key
22	STA2040	Key
23	STA3425	Circlip
24	STA3474	Circlip
25	STA3520	Circlip
27	STA5256	Screw
28	STA5346	Screw
29	W40-209	Seal ring
30	W40-272	Headcap
32	*1) .. AR40-162H	Plastic cap, white
	*3) .. AR40-162G	Plastic cap, grey
33	STA5645	Screw
34	AR40-41	Screw
35	STA6043	Washer
36	STA6057	Lockwasher
37	STA6460	Grooved pin
38	*5) .. R40-129	Belt pulley
	*6) .. R40-129A	
39	*5) .. R40-90	V-belt
	*6) .. R40-90.1	

*1) .. Standard version
*2) .. Pizza, standard frame version
*3) .. Stainless steel frame version
*4) .. Pizza, Stainless steel frame version
*5) .. 50 Hz
*6) .. 60 Hz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Head assembly
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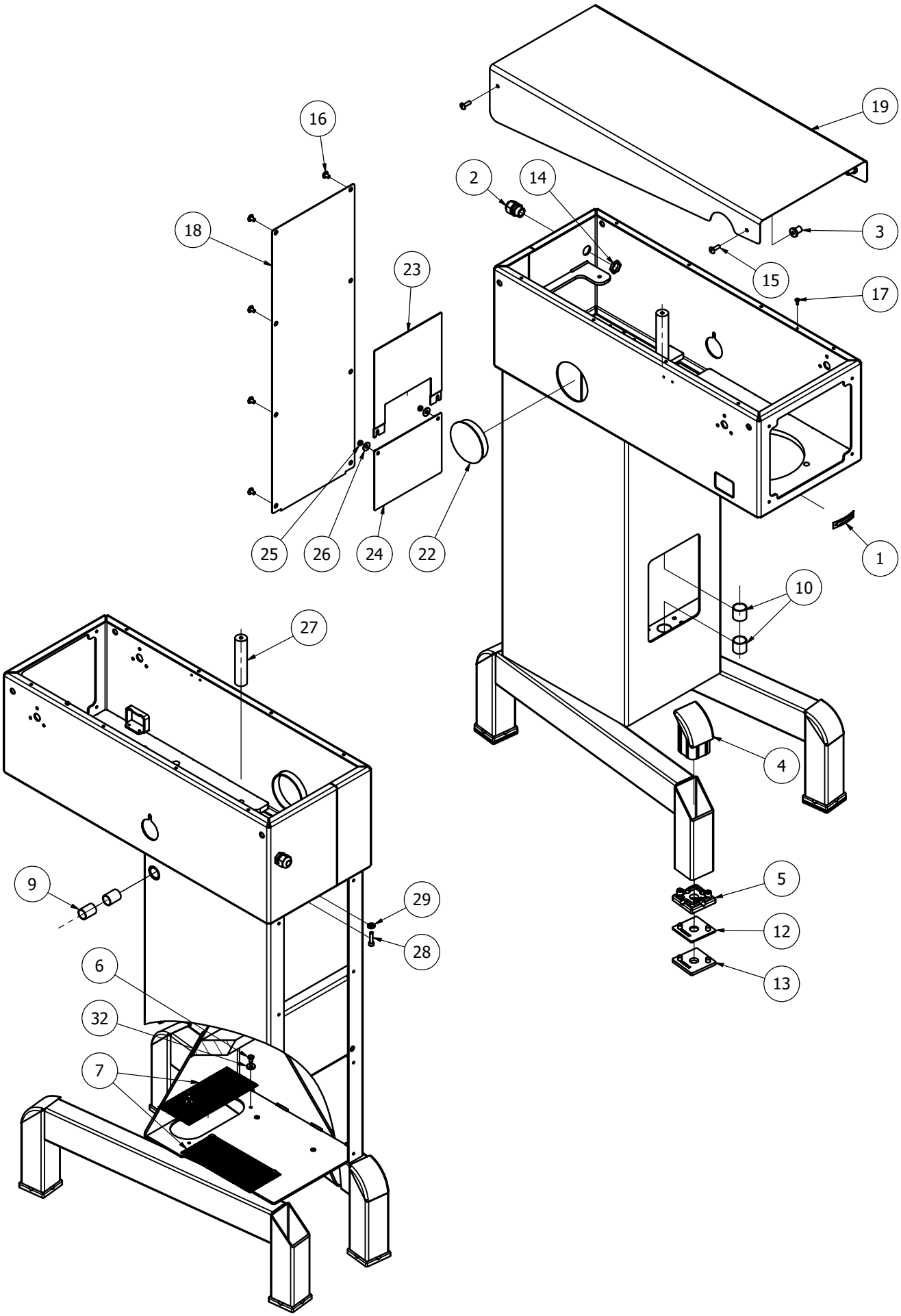
MACHINE COLUMN

Fig no.	Order no.	Description
1	R15-245	Arrow sign
2	STA3002	Cable gland
3	STA6580	Threaded bushing
4	AR30-212	Blanking plug
5	AR30-213	Levelling feet
6	STA5045	Screw
7	AR31-22.180	Grate
9	STA2515	Bearing bushing
10	STA2520	Bearing bushing
12	AR30-214.3	Adjustment plate, 3mm
13	AR30-214.6	Adjustment plate, 6mm
14	STA3014	Cable gland nut
15	STA5017	Screw
16	STA5080	Screw
17	STA5232	Self tapping Screw
18	AR31-22.17R	Cover plate
19	AR31P-21	Top cover
22	STA6510	Plug button
23	AR31-270	Cover plate, upper
24	AR31-271M	Cover plate, lower
25	STA5834	Lock Nut
26	STA6027	Washer
27	AR31-148E	Stay
28	STA5625	Screw
29	STA6056	Lock washer
32	STA6165	Washer

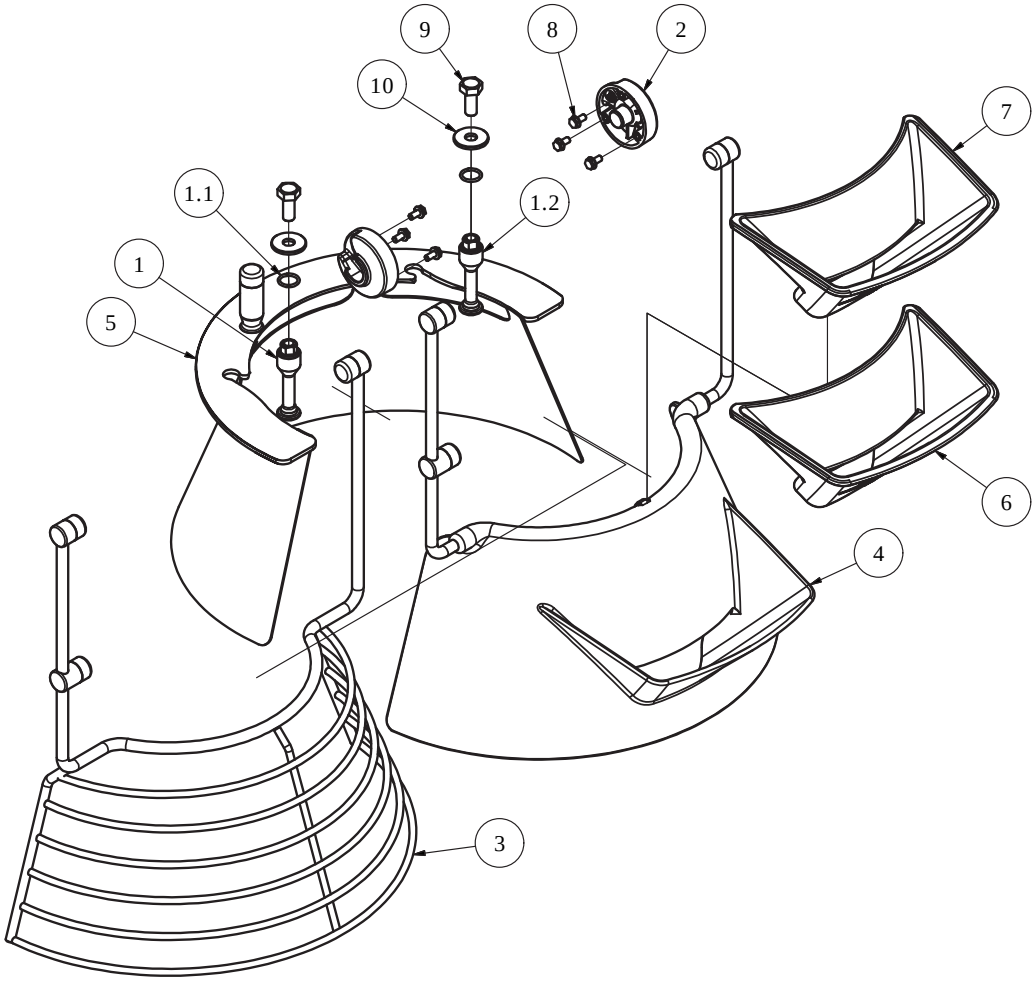
MACHINE COLUMN



SAFETY GUARD

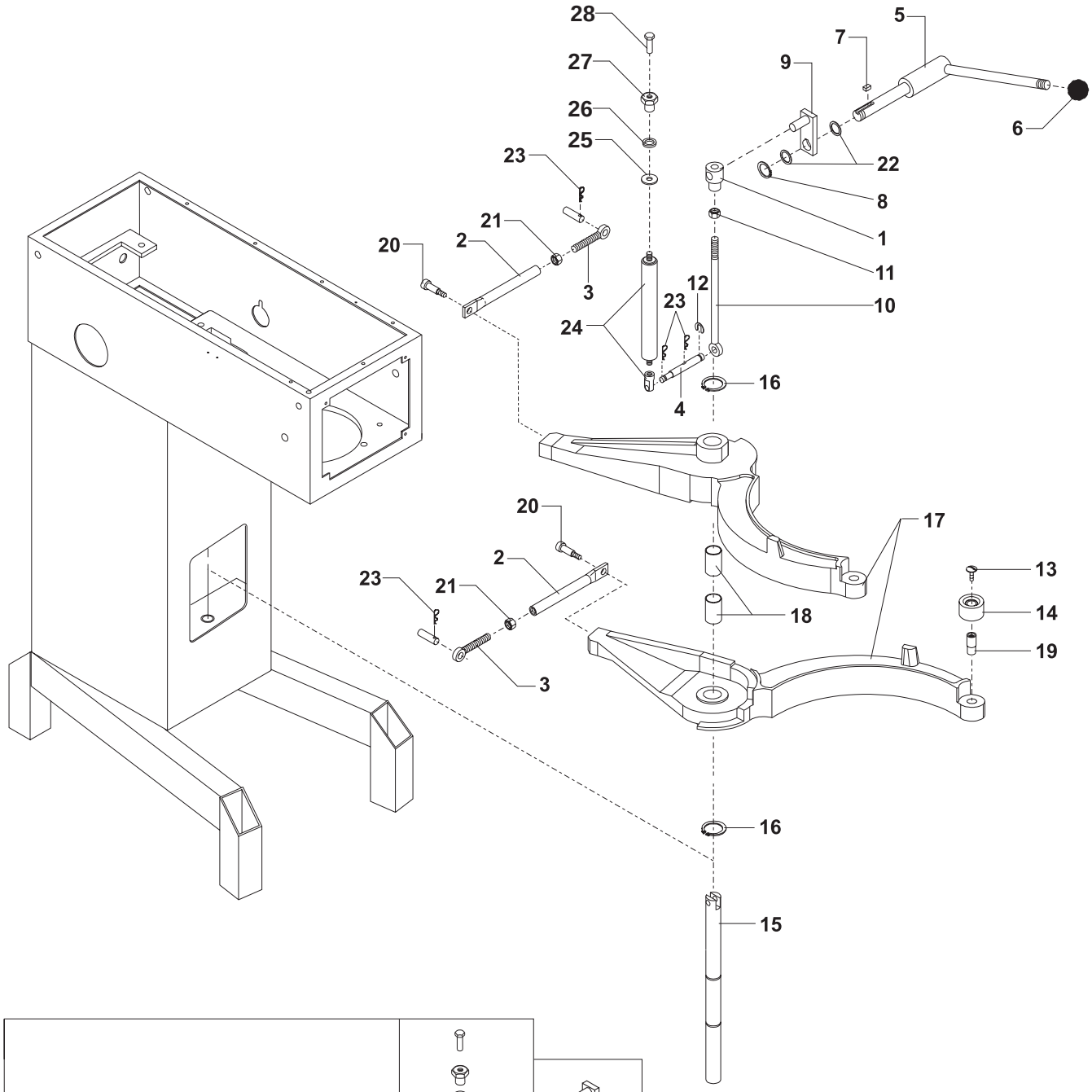
Fig no.	Order no.	Description
1	56AR31-102.1	Mounting shaft
1.1	STA3143	O-ring
2	56AR31-107M	Shield hinge
3	56AR41-21.1M	Safety guard wire
4	56AR41-21M	Safety guard removable
5	56AR41-22	Safety guard fixed
6	56AR41-280	Filling tray Grey
7	56WR41-280	Filling tray White
8	STA5047	Hex flange bolt
9	STA5344	Hex cap screw
10	STA6033	Washer

SAFETY GUARD



LIFTING SYSTEM

Fig no.	Order no.	Description
1	AR40-65M	Lifting nut
2 + 3 + 21	R30-69Z	Tensile rod
4	W40-603E	Pin
5	R27-62Z	Lifting lever assy.
6	STA3308	Ball knob, black
7	STA2020	Key
8	STA3407	Circlip
9	R27-63Z	Crank shaft complete
10	R27-83Z	Lifting bolt
11	STA5827	Nut
12	STA3580	Circlip
13	STA5088	Screw
14	AR31-128	Roll for bowl clamping
15	AR31-68Z	Bowl arm, guide rod
16	STA3467	Circlip
17	AR41-23/24Z	Bowl arm set, color black**
**	For other colors, please contact Varimixer A/S	
18	STA2522	Bearing bushing
19	AR31-127	Roller shaft
20	STA5690	Shoulder screw
21	STA5827	Nut
22	STA6044	Washer
23	STA6205	Cotter pin
24	W40-600M	Oil damper, assembly
25	STA6028	Washer
26	STA3126	O-ring
27	W40-605E	Nut for damper
28	STA5322	Screw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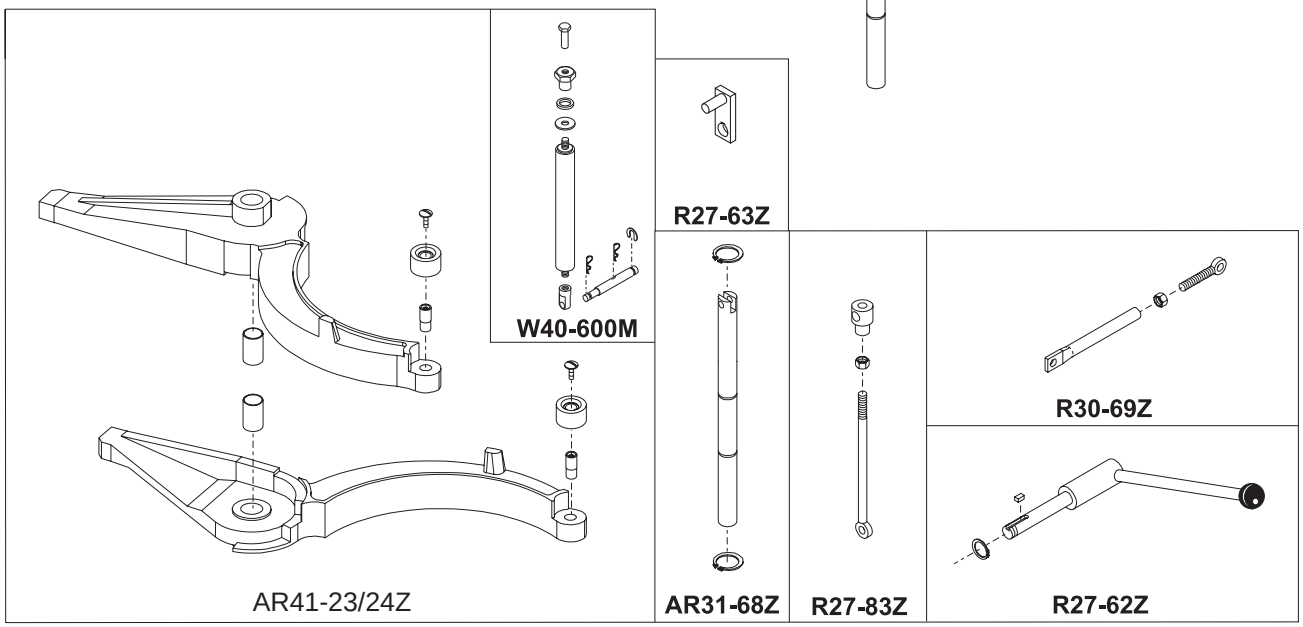

W40-600M
R27-63Z
AR41-23/24Z
AR31-68Z
R27-83Z
R30-69Z
R27-62Z

ATTACHMENT DRIVE

Fig no.	Order no.	Description
1	R15-5	Bearing hub
2	R20-9	Worm wheel
3	R15-10	Gear case
4	R15-11	Gear case cover
5	R20-49	Worm shaft
6	R20-52Z	Gear shaft assembly
7	R15-50Z	Attachment drive shaft assembly
8	STA2032	Key
9	R20-104	Ball bearing
10	R20-107	Oil seal
11	R20-300	Gasket
12	R20-300Z	Gasket kit
13	R20-301	Gasket
14	STA2007	Key
15	STA2011	Key
16	STA3410	Circlip
17	STA5018	Screw
18	6005 2RS	Ball bearing
19	STA5433	Screw
20	STA5908	Seal washer
21	STA6020	Washer
22	STA6054	Washer
23 + 29	STA6056	Lock washer
24	R15-211	Rubber ring
25	R15-214	End cover
26	R15-8M0	Engagement hub, white
27	STA5322	Screw
28	STA5561	Finger screw
30	STA6316	Pin

.....Identification of motor, see page 18.

31 ..Drive unit, cable included
.....Motor R40-85.1, 1,1 kW
.....07040-1130 ...
.....07040-1130R. stainless steel frame version
.....Motor W60-85.52, 2,2 kW
.....07030-2202
.....07030-2202R stainless steel frame version
.....Motor R60-85.1, 1,9 kW
.....07040-1901
.....07040-1901R stainless steel frame version
.....07040-1930 ... Pizza version
.....07040-1930R Pizza and stainless steel version

32 ..Drive unit with attachment Drive, cable included
.....Motor R40-85.1
.....07030-1140 ... 3F 1,1kW
.....07030-1140R. 3F 1,1kW, stainless steel frame version
.....Motor W60-85.52, 2,2 kW
.....07030-2212
.....07030-2212R stainless steel frame version
.....Motor R60-85.1, 1,9 kW
.....07040-1921
.....07040-1921R stainless steel version
.....07040-1940 ... Pizza version
.....07040-1940R Pizza and stainless steel frame version
.....Motor R60-85.3, 1,9 kW, 3x200/50-3x208/60
.....07040-1942
.....07040-1942R stainless steel frame version

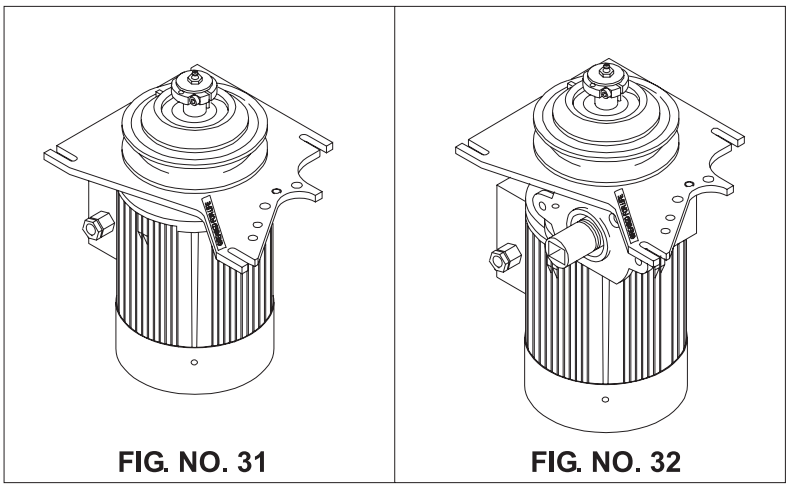
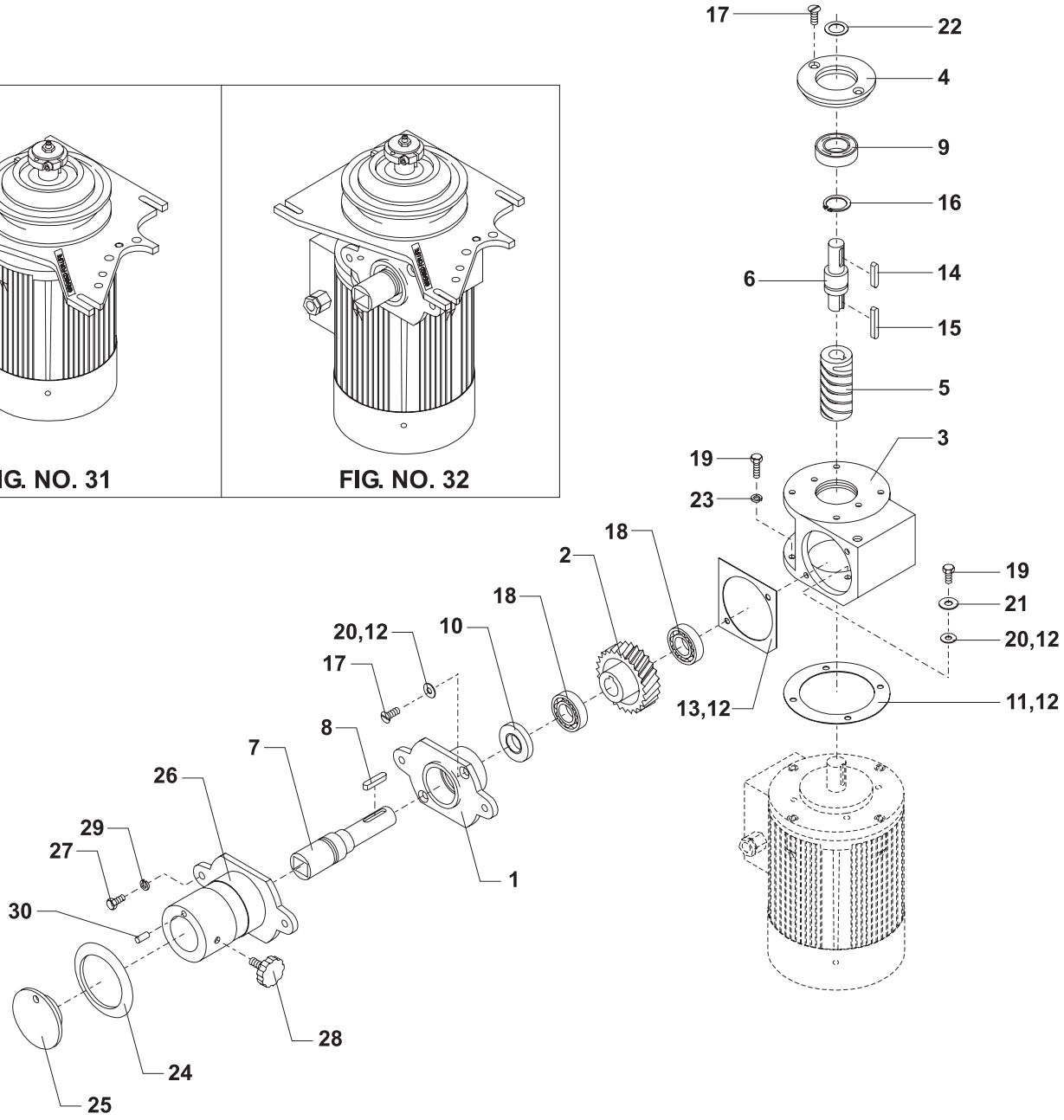
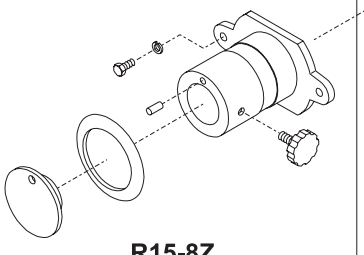


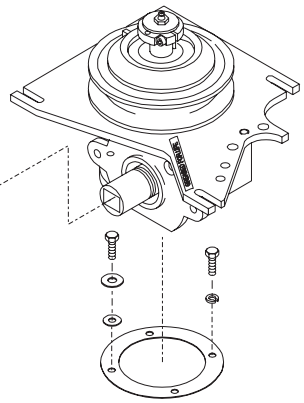
FIG. NO. 31

FIG. NO. 32



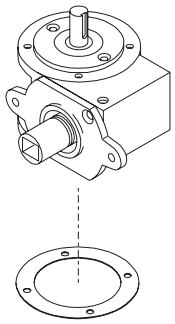


R15-8Z

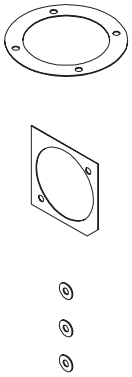


R30-10.5Z

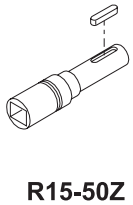
AR30-10Z



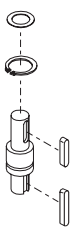
R30-10.5M



R20-300Z



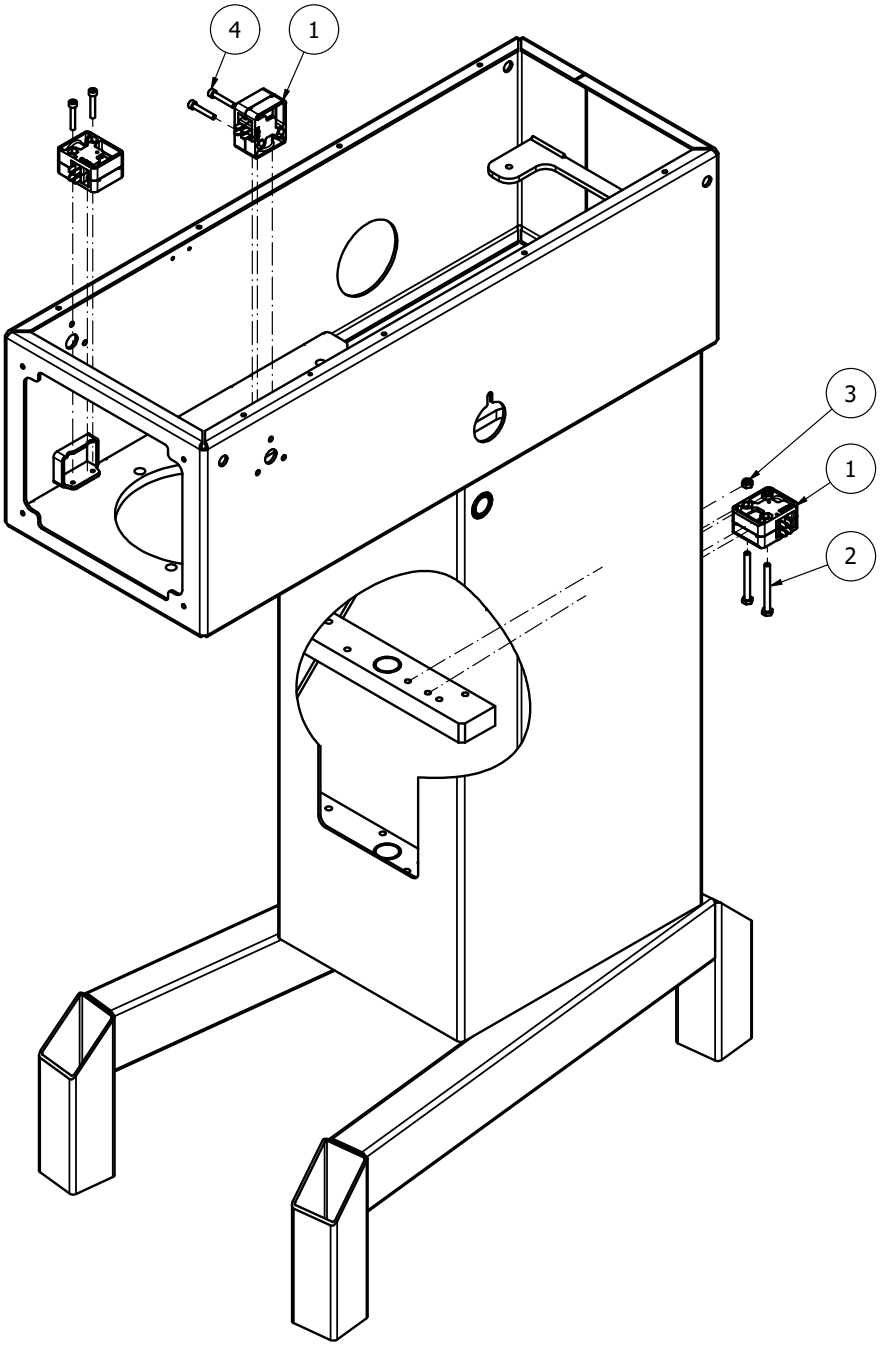
R15-50Z



R20-52Z

MICROSWITCHES

Fig no.	Order no.	Description
1	56CR10-111M	Safety Switch
2	STA5320	Hex cap screw
3	STA5837	Lock Nut
4	STA5721	Hex cap screw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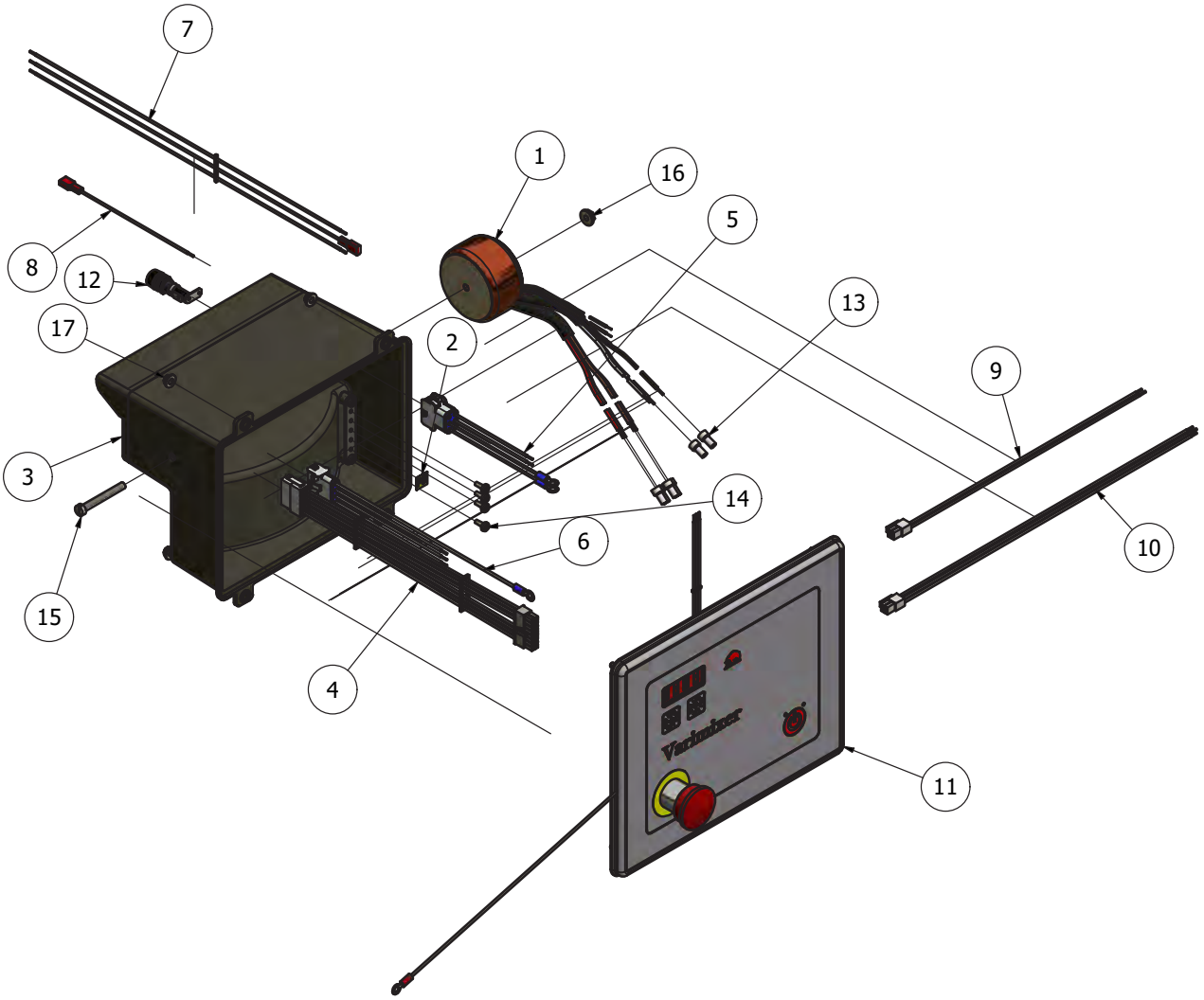
ELECTRIC COMPONENTS

Fig no.	Order no.	Description
1 ..... *2) ..	AR10E-430	Isolating transformer
2	AR30-453.1.....	Physical earth label
3 ..... *1) ..	AR31-152.1M.....	Enclosure assembly
..... *2) ..	AR31-152.3M.....	
4	AR31-194.18M.....	Safety cable
5 ..... *1) ..	AR31-194.54M.....	Power supply cable
..... *2) ..	AR31-194.57M.....	
6	AR31-194.63M.....	Motor cable
7	AR31-194.80M.....	Fuse cable
8	AR31-194.81M.....	Fuse cable
9	AR31-194.84M.....	Signal cable
10	AR31-194.85M.....	Signal cable
11..... *3) ..	AR31-530.13M.....	Front panel assembly
..... *4) ..	AR31-530.17M.....	
12	08030-0804.....	Fuse holder with fuse
12.1	R20E-418.2.....	Fuse
13 ..... *2) ..	STA3046	Crimp connector
14	STA5232	Self tapping Screw
15 ..... *2) ..	STA5250	Screw
16 ..... *2) ..	STA5896	Hex flange nut
17	STA5897	Hex flange nut

..... **Only** .....
..... *1) .. Without isolating transformer
..... *2) .. With isolating transformer
..... *3) .. Panel power supply > 200V
..... *4) .. Panel power supply < 200V

Frequency [Hz]	Voltage [V]	Motor [Oder no.]	Power [kW]	Current [A]	Connection	Contactor, [fig.22]	Thermal Overload Relay [fig.23]
50	3x230	**R40-85.1**	1,1	5	**Δ**	AR31-88.004	AR31-88.012
	3x380-415			2,9	**Y**	AR31-88.005	AR31-88.012
60	3x480			2,6			AR31-88.011
	1x208	**W60-85.61**	2,2	10	**Y**	R100-88.8+ R20-88.44	R20-88.24
	3x208	**R60-85.3**		7,8	**Δ**	R100-88.8	R20-88.12
50	3x230	**R60-85.1**	1,85	8,4	**Δ**	R20-88.5+ R20-88.44	R20-88.23
	0+3x380-415			4,85	**Y**	AR31-88.005	AR31-88.012
60	3x480			4,4			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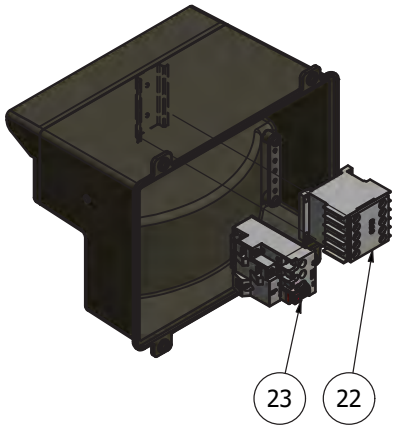
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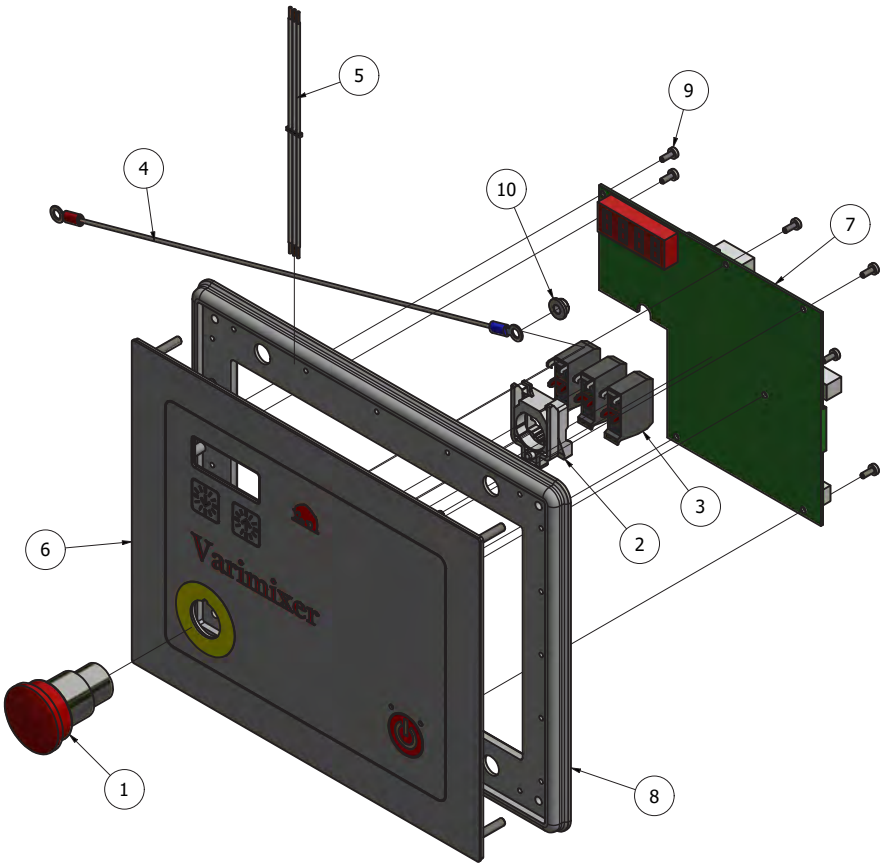
FRONT PANEL ASSEMBLY

Fig no.	Order no.	Description
1	AR31-174.35	Switch emergency stop
2	AR31-174.36	Switch mounting Collar
3	AR31-174.37	Switch contact block
4	AR31-194.41M	Grounding cable
5	AR31-194.82M	Supply cable
6	AR31-530.3	Front panel
7	*3) AR31-532.2	Control board
	*4) AR31-532.4	
8	AR31-562	Gasket
9	STA5762	Pan head screw
10	STA5897	Hex flange nut

*3) Panel power supply > 200V
*4) Panel power supply < 200V

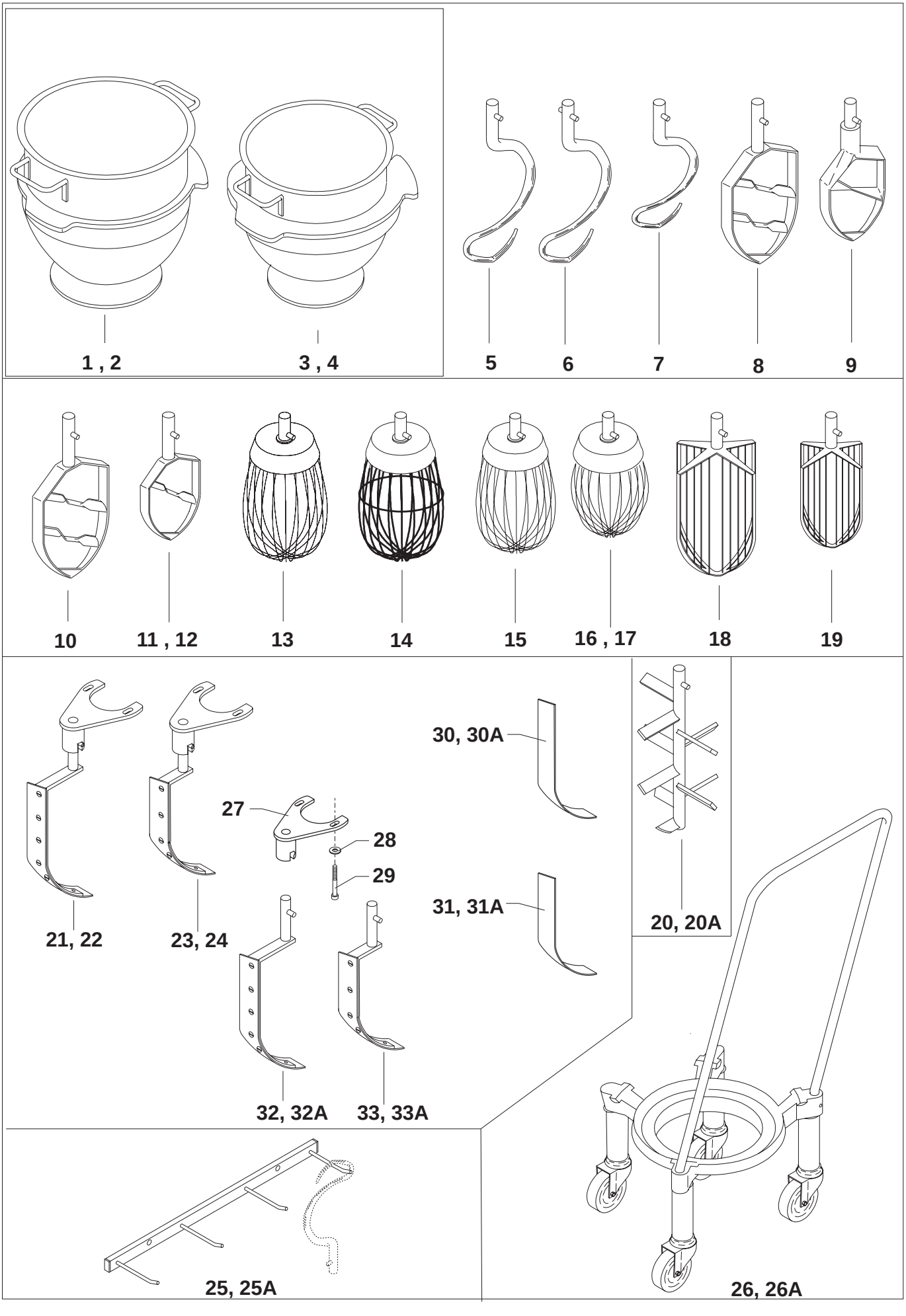
FRONT PANEL ASSEMBLY



BOWLS AND MIXING TOOLS

Fig no.	Order no.		Description
1	R40-75M	A	Bowl
2	R40-75.1M	A	Bowl, acid proof stainless steel
3	R40-75AM	B	Bowl
4	R40-75A1M	B	Bowl, acid proof stainless steel
5	R40-78M	A	Hook
6	W40-78M	A	Hook, double pin, pizza
7	R40-78AM	B	Hook
8	R40-27.2M	A	Flat beater
9	R40-27AM	B	Flat beater
10	R40-27.1M	A	Flat beater, acid proof stainless steel
11	R40-27A2M	B	Flat beater
12	R40-27A1M	B	Flat beater, acid proof stainless steel
13	R40-28M	A	Stirring whip
14	R40-28MS	A	Whip, reinforced
15	R40-28MT	A	Whip with thinner wires
16	R40-28AM	B	Stirring whip
17			
18	14R40	A	Wing whip
19	14R40A	B	Wing whip
20	39R40	A	Powder mixer
21			
22	** 42AR41	A	Scraper with Nylon blade and holder
23	** 42AR41T	A	Scraper with Teflon blade and holder
24	** 42AR41A	B	Scraper with Nylon blade and holder
24A	** 42AR41AT	B	Scraper with Teflon blade and holder
25	48R20Z	B	Rack for mixing tools
25A	48R60Z	A	Rack for mixing tools
26	22R40	A	Bowl truck
26A	22R40A	B	Bowl truck
27	42AR41-101M		Scraper holder
28	STA6029		Washer
29	STA5652		Screw
30	42R40-204	A	Nylon blade for scraper
30A	42R40-204T	A	Teflon blade for scraper
31	42R40A-204	B	Nylon blade for scraper
31A	42R40A-204T	B	Teflon blade for scraper
32	42AR41-202	A	Scraper with Nylon blade
32A	42AR41-202T	A	Scraper with Teflon blade
33	42AR41A-202	B	Scraper with Nylon blade
33A	42AR41A-202T	B	Scraper with Teflon blade

All materials Stainless steel, unless otherwise specified
** Adapted by mounting
A Full size bowl
B Half size bowl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Varimixer A/S
Kirkebjerg Søpark 6
DK-2605 Brøndby
Denmark

P: +45 43 44 22 88
E: info@varimixer.com
www.varimixer.com