

metos

WATER BOILERS

WKI
WKT
WKT-D

TYPE: 3, 10, 10HA, 10VA, 18, 20/3, 20/6, 25HA, 25VA, 40, 60, 80

Accessories

Tap and swivel arm left
Tap and swivel arm right
Tap and swivel two arms

Installation and Operation Manual



Dear Customer,

Congratulations on deciding to choose a Metos appliance for your kitchen activities. You made an excellent choice. We will do our best to make you a satisfied Metos customer like thousands of customers we have around the world.

Please read this manual carefully. You will learn correct, safe and efficient working methods in order to get the best possible benefit from the appliance. The instructions and hints in this manual will give you a quick and easy start, and you will soon note how nice it is to use the Metos equipment.

All rights are reserved for technical changes.

You will find the main technical data on the rating plate fixed to the equipment. When you need service or technical help, please let us know the serial number shown on the rating plate. This will make it easier to provide you with correct service.

For your convenience, space is provided below for you to record your local Metos service contact information.

METOS TEAM

Metos service phone number:.....

Contact person:.....

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1. General

Carefully read the instructions in this manual as they contain important information regarding proper, efficient and safe installation, use and maintenance of the appliance.

Keep this manual in a safe place for eventual use by other operators of the appliance.

The installation of this appliance must be carried out in accordance with the manufacturer's instructions and following local regulations. The connection of the appliance to the electric and water supply must be carried out by qualified persons only.

Persons using this appliance should be specifically trained in its operation.

Switch off the appliance in the case of failure or malfunction. The periodical function checks requested in the manual must be carried out according to the instructions. Have the appliance serviced by a technically qualified person authorized by the manufacturer and using original spare parts.

Not complying with the above may put the safety of the appliance in danger.

1.1 Symbols used in the manual



This symbol informs about a situation where a safety risk might be at hand. Given instructions are mandatory in order to prevent injury.



This symbol informs about the right way to perform in order to prevent bad results, appliance damage or hazardous situations.



This symbol informs about recommendations and hints that help to get the best performance out of the appliance.



This symbol informs about a function that has to be taken into account in self-control.

1.2 Symbols used on the appliance



This symbol on a part informs about electrical terminals behind the part. The removal of the part must be carried out by qualified persons only.

1.3 Checking the relationship of the appliance and the manual

The rating plate of the appliance indicates the serial number of the appliance. If the manuals are missing, it is possible to order new ones from the manufacturer or the local rep-

representative. When ordering new manuals it is essential to quote the serial number shown on the rating plate.

2. Safety

2.1 Safe use of the appliance

- Always remove the plug from the socket if the machine has to be opened for repair or maintenance
- Do not position the machine in areas where the temperature drops below the freezing point as there will always remain water in the system.
- Always plug the machine into an earthed wall socket.
- Do not submerge or spray the machine.
- Have all repairs carried out by a specially trained technician.
- During use, some parts will become very hot.
- In case the machine is not used for a relatively long period of time, it is advisable to remove the plug from the socket and to close the water drain (WKT-VA and WKI).

3. Functional description

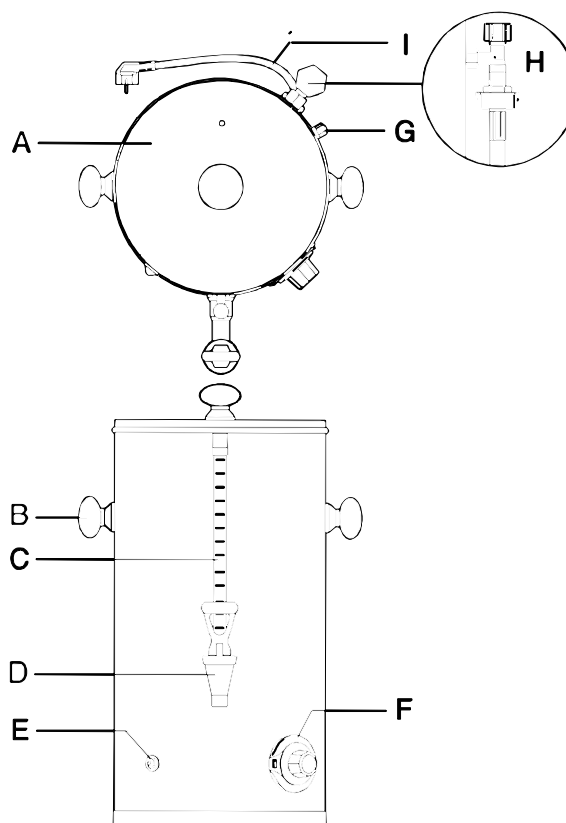
3.1 General

The storage water heaters WKI, WKT and WKT-D can be installed wherever large volume of hot water is needed for example for instant coffee, tea, cocoa, soup etc. The water heaters can fill both cups and small jugs. These storage water heaters are fitted for this purpose with a non-drip tap which is easy to operate. The water heaters can be supplied with either manual fill (WKT and WKT-D) or a fixed water connection for extra convenience.

The WKT-D is double-walled and has a polyurethane insulation (CfC free).

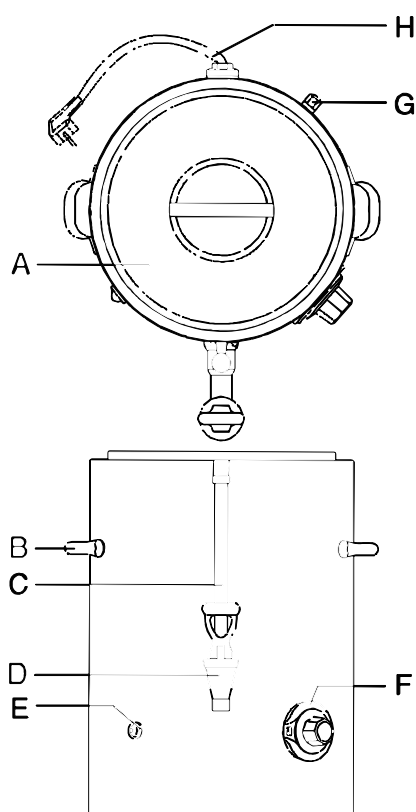
3.2 Construction

In the figures below the main parts are indicated



WKT

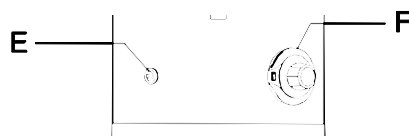
- A. Cover
- B. Handle
- C. Lever gauge with litre index scale
- D. Hot water no-drip tap
- E. Indicator light
- F. Adjustable thermostat
- G. Dry-boil safety guard
- H. Water connection with float mechanism (only WKT-VA)
- I. Electrical supply

**WKT-D**

- A. Cover
- B. Handle
- C. Lever gauge with litre index scale
- D. Hot water no-drip tap
- E. Indicator light
- F. Adjustable thermostat
- G. Dry-boil safety guard
- H. Electrical supply

3.3 Operating principle

3.3.1 Operating switches and indicator lights



- E. Heating element indicator light
- F. Adjustable thermostat

4. Operation instructions

4.1 Before using the appliance

4.1.1 Preparing the operation

The following procedure should be carried out before a new appliance is used.

Manual filling (WKT-HA, WKT-D)

- Remove the cover of the storage water heater
- Fill the storage water heater with water, till the mark on the litre index scale. Never overfill the reservoir.
- Replace always the cover of the storage water heater.
- Put the plug fitting in the socket and switch the machine on by turning the thermostat (F) to the required temperature.
- The indicator light (E) will now light up until the water has reached the correct temperature.
- When the indicator light goes out, the storage water heater is ready for use. During use the indicator light will regularly go on and off, to show that the water is heating up.
- Check regularly (after draining of hot water) if the water heater needs refilling.

Draw off an amount of hot water, when the machine is used for the first time.

Water connection (WKT-VA)

- Connect the water supply hose to the swivel joint at the back of the machine and to a manually operated water stop valve. Attention! use cold water only.
- Open the manually operated water stop valve and check that the swivel connections are not leaking
- Open the swivel joint (H) on the upper side of the machine, the storage water heater will fill up. The float mechanism stops the filling if the storage water heater is full.
- Put the plug in the socket and switch the machine on by turning the thermostat (F) to the required temperature.
- The indicator light (E) will now light up until the water has reached the correct temperature.
- When the indicator light goes out, the storage water heater is ready for use. During use the indicator light will regularly go on and off, to show that the water is heating up.

Draw off an amount of hot water, when the machine is used for the first time.

Water connection (WKI)

- Open the water mains tap and switch on the electrical mains switch.
- Push up the orange switch on the left side. When water is visible in the level gauge on the side of the heater, switch on the heating with the green switch. The storage water heater will fill up. The float mechanism stops the filling if the storage water heater is full.
- Adjust the water temperature to + 97°C with the thermostat.
- When the water temperature has reached ca. + 97°C, the storage water heater is ready for use.
- Close the automatic water filling by pushing down the orange water filling switch.
- First open the hot water tank fully and then close it a little bit. In this way air is removed from the pipes and water more easily flows into the heater.
- Turn on the automatic water filling again after the dosaging.

4.2 Operation procedures

4.2.1 Temperature protection

There is a temperature protection in the machine that can be accessed from the outside. This protection (G) is located at the back of the machine. This protection is activated when the temperature goes too high. The most common cause for activating the security is scale that has not been removed in time.

If the temperature protection operates proceed as follows:

- Let the unit cool down.
- Unscrew the black protection cover.
- Push the button, that now appears and replace the black cover and fasten it tightly.

When the protection triggered due to scale formation, proceed according to the chapter "Descaling". When the cause was not scale formation, please call service.

4.3 After use

After use, close the water tap and turn off the electrical mains switch. The storage water heater can be left on over night with a water temperature of ca. 70°C.

4.3.1 Cleaning

Clean the machine with a clean damp cloth. Avoid using abrasive. It can cause scratches and dim spots. Remove scale deposits by using a scale remover.

4.3.2 Descaling

During operation scale will form in the machine. Therefore the machine needs to be descaled approx. once per month to guarantee the lowest energy consumption and proper functioning.

Dependent on the frequency of usage and the hardness of the water, we advise a regular visual inspection of the unit.

Remove the cover of the storage water heater regular; If there is loose scale grid on the bottom, or if there is severe scale formation on the walls, then the unit needs descaling.

In some cases it is sufficient to remove loose scale grid.

WKT, WKT-D

- Switch off the machine and remove the plug from the wallsocket.
- Close the water output tap, detach the water hose (WKT-VA and WKI) and remove the cover from the storage water heater.
- Turn the machine upside down above the sink. Loose scale grid will then come out.
- When there is no more scale in the machine, it can be operated as usual. To remove remaining scale formation use descaling solvent.
- Carefully read the caution notice and the directions on the descaling solvent.
- Dissolve descaling solvent into 2 litres of warm water according to the instructions.
- Fill the hot water reservoir with the solution. This will now undergo a reaction with the scale deposits.
- Allow the solution to soak in for about 10 minutes until the frothing has stopped.
- Tap some of the acid off and pour it back into the reservoir.
- Turn the machine upside down above the sink. Rinse the reservoir and the hot water tap clean with hot water.
- When there is no more scale in the machine, it can be operated as usual. Consult chapter "Connection to the water supply system (WKT-VA and WKI)" and "Preparation before use".

WKI

- Close the water filling with the orange switch, turn off the heating switch and empty all the water from the storage water heater by opening the water tap fully.
- Take off the lid and carefully remove all loose scale.
- Open the water filling switch and fill the heater until all scale is covered. Turn on the current and heat the water to 60°C.
- Add the descaling solvent from above, approximately 3 teaspoons per litre water. The solvent will undergo a frothing reaction. Warning: avoid breathing in the steam from the solvent. Use a mouth cover and rubber gloves.
- Allow the solution to soak in until the frothing has stopped, empty the heater and repeat the process.
- Rinse the heater by filling and emptying it three times.
- Put the lid back on.



Stay near the machine while maintenance is being carried out.

Operation instructions

When descaling, always follow the instructions of the descaling agent used.

It is advisable to wear protection glasses and gloves during descaling.

Allow the machine to run through at least three times to rinse the solution from the system after it has been descaled.

Wash your hands thoroughly after descaling.

The appliance should not be submerged or hosed off.

Make sure all the repairs to the appliance are carried out by a qualified technician.

5. Installation

5.1 Installation

WKI:

- Install the storage water heater firmly on the wall and connect water-, drain- and electrical connections.

5.2 Positioning the appliance

Place the WKT/WKT-D unit:

- At counter level and on a solid flat surface.
- Where it can be connected to the water outlet and the electricity grid.
- Such that it is not causing any damage in case of leakage.

5.3 Electrical connections

Depending on the model, the appliance should be connected according to the instructions in the figures below.

- For 240V 1 phase with plug socket.
- For 240V 1 phase (3-core cable)

The following remarks apply to the figure:

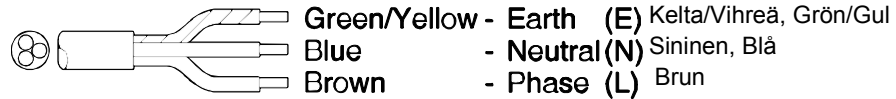
- If the plug fitted on the machine cable does not fit to your socket, replace it with a new plug that does fit.
- The replaced plug should be disposed of as it can be dangerous if plugged in a socket.

The following points should be observed when wiring a new plug:

- The green/yellow-coloured wire ("EARTH") should be connected to the terminal which is either marked with the letter "E", the "earth" symbol or coloured green or green/yellow.
- The blue-coloured wire ("NEUTRAL") should be connected to the terminal which is either marked with the letter "N" or coloured black.
- The brown-coloured wire ("PHASE") should be connected to the terminal which is either marked with the letter "L" or coloured red.

IMPORTANT! The 3 core main cable has the following wiring code:

- Green/yellow - Earth
- Blue - Neutral
- Brown - Phase



5.4 Water connections

WKT-VA:

- The WKT-VA requires a water stop valve to be near the machine
- Connect the water hose provided to the cold water supply and the water connection on the back of the unit. The hose has a length of 1.5 m.

5.5 Transport

Proceed as followed to transport the unit:

- Switch the machine off and remove the plug from the wallsocket.
- Close the water outlet tap and disconnect the supply hose (WKT-VA and WKT).
- Remove the cover of the reservoir. Turn the machine upside down to let the remaining water out above the sink.
- Replace the cover.
- The machine is now ready for transportation.
- Proceed with section "Installation" to reinstall the machine

6. Spare parts

WKI 10	17
WKI 10	19
WKI 10	21
WKI 10 VA	23
WKI 10 VA	25
WKI 10 VA	27
WKI 20 Va 3kW	29
WKI 20 Va 3kW	31
WKI 20 Va 3kW	33
WKI 20 L VA 6 kW.....	35
WKI 20 L VA 6 kW.....	37
WKI 20 L VA 6 kW.....	39
WKI 40 L VA.....	41
WKI 40 L VA.....	43
WKI 40 L VA.....	45
WKI 60 L VA.....	47

WKI 60 L VA.....	49
WKI 60 L VA.....	51
WKI 80 L VA.....	53
WKI 80 L VA.....	55
WKI 80 L VA.....	57
WKT 3 L HA	59
WKT 3 L HA	61
WKT 10 L HA	63
WKTD 10 L HA.....	65
WKTD 18 L HA.....	67
WKT25	69

6.1 Voltage codes

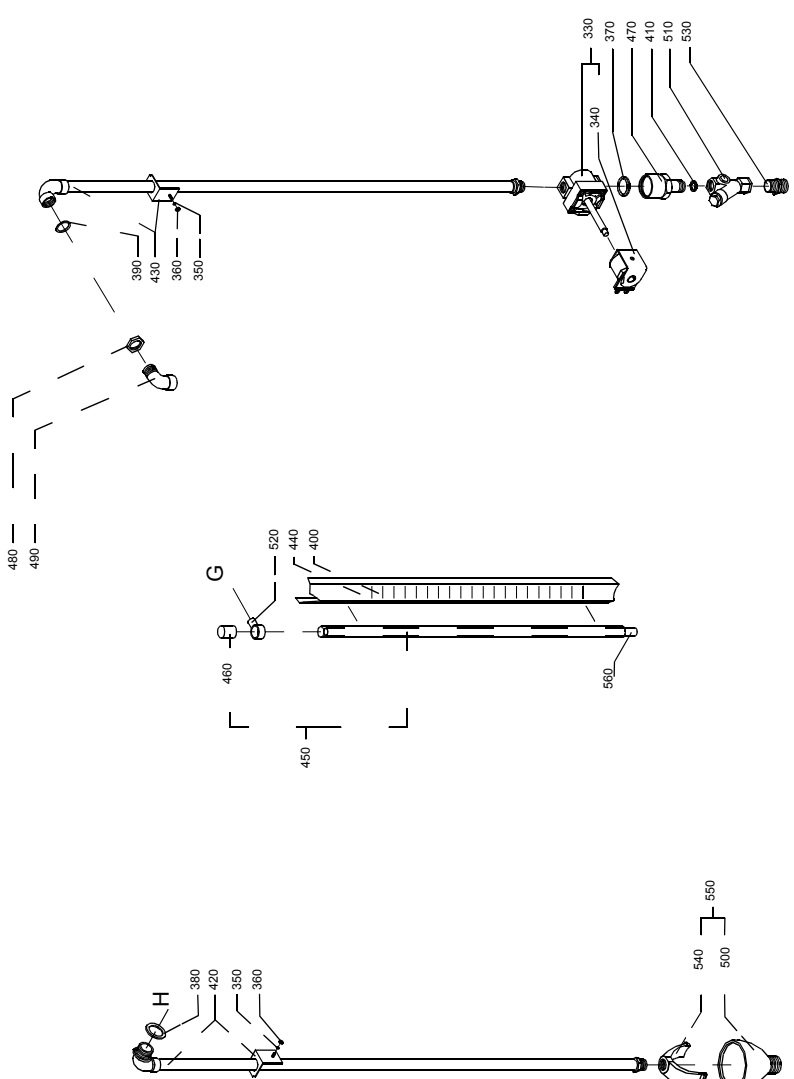
Voltage code	Voltage
A	3/N/PE~400/230V 50Hz
B	~250V 16A 50Hz
C	3/N/PE~380/220V 50Hz
D	3/PE~200V 50-60Hz
F	2/PE 220-240V 50Hz
G	3/N/PE~415/240V 50Hz
H	3/PE~230V 50Hz
I	3/PE~220V 60Hz
J	3/PE~380 50Hz
K	3/PE~400V 50Hz
L	3/PE~415V 50Hz
M	3/PE~440V 60Hz
N	3/PE~460V 60Hz
O	3/PE~480V 60Hz
P	1/N/PE~220-240V 50Hz
R	2/PE~220-230V 60Hz
S	3/N/PE~400/230V 50Hz
T	3/PE~230V 60Hz

6.2 Product codes

Product code	Full name
Model codes	
WKI	WKI
WKT	WKT
WKTD	WKT-D
Type codes	
3	3
10	10
10HA	10HA
10VA	10VA
18	18
203	20/3
206	20/6
25HA	25HA
25VA	25VA
40	40
60	60
80	80
Accessory codes	
m	Tap and swivel arm left
n	Tap and swivel arm right
o	Tap and swivel two arms



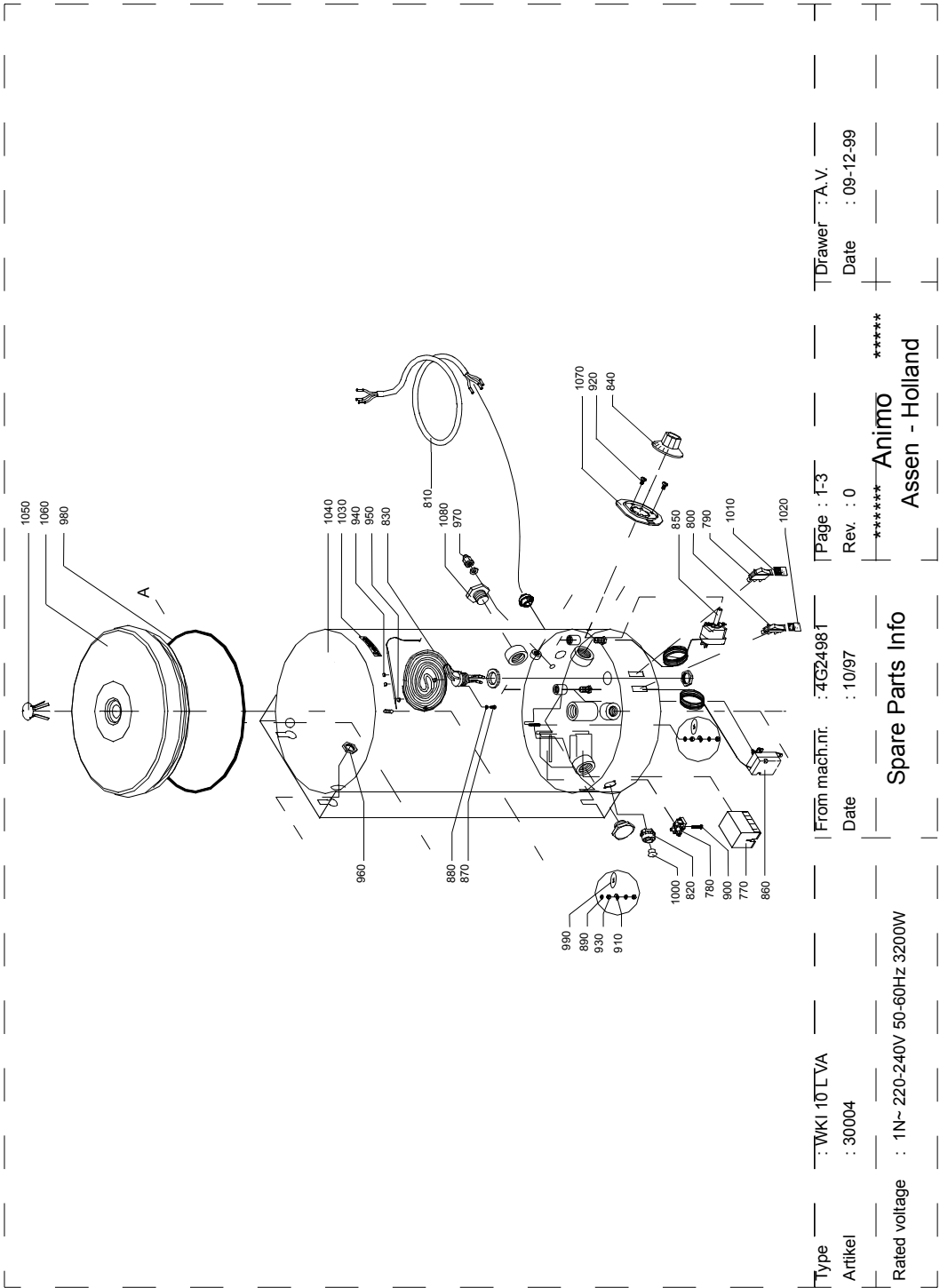
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20	5043203
30	5042203
40	5040205
50	5040209
60	5046814
70	5046124
80	5046105
90	5046104
100	5043215
110	5046815
120	5046816
130	5046817
140	5046818
150	5046819
160	5046820
170	5046821
180	5046822
190	5046846
200	5046847
210	5046848
220	5046849
230	5046850
240	5046851
250	5046852
260	5046853
270	5046854
280	5046894
290	5046855
300	5046856
310	5046857
320	5046858

wki102e.cgm  480 490 380 420 350 360 450 460 G 520 440 400 560 540 500 550 330 340 370 470 410 510 530		Page : 2-3 Rev. : 0		Drawer : A.V. Date : 21-12-99	
Type : WK1 10 L HA Artikel : 30000	From mach.nr. : 2E09821 Date : 02/95	***** Animo ***** Assen - Holland		Spare Part Info	
Rated voltage : 1N~ 220-240V 50-60Hz 3400W					

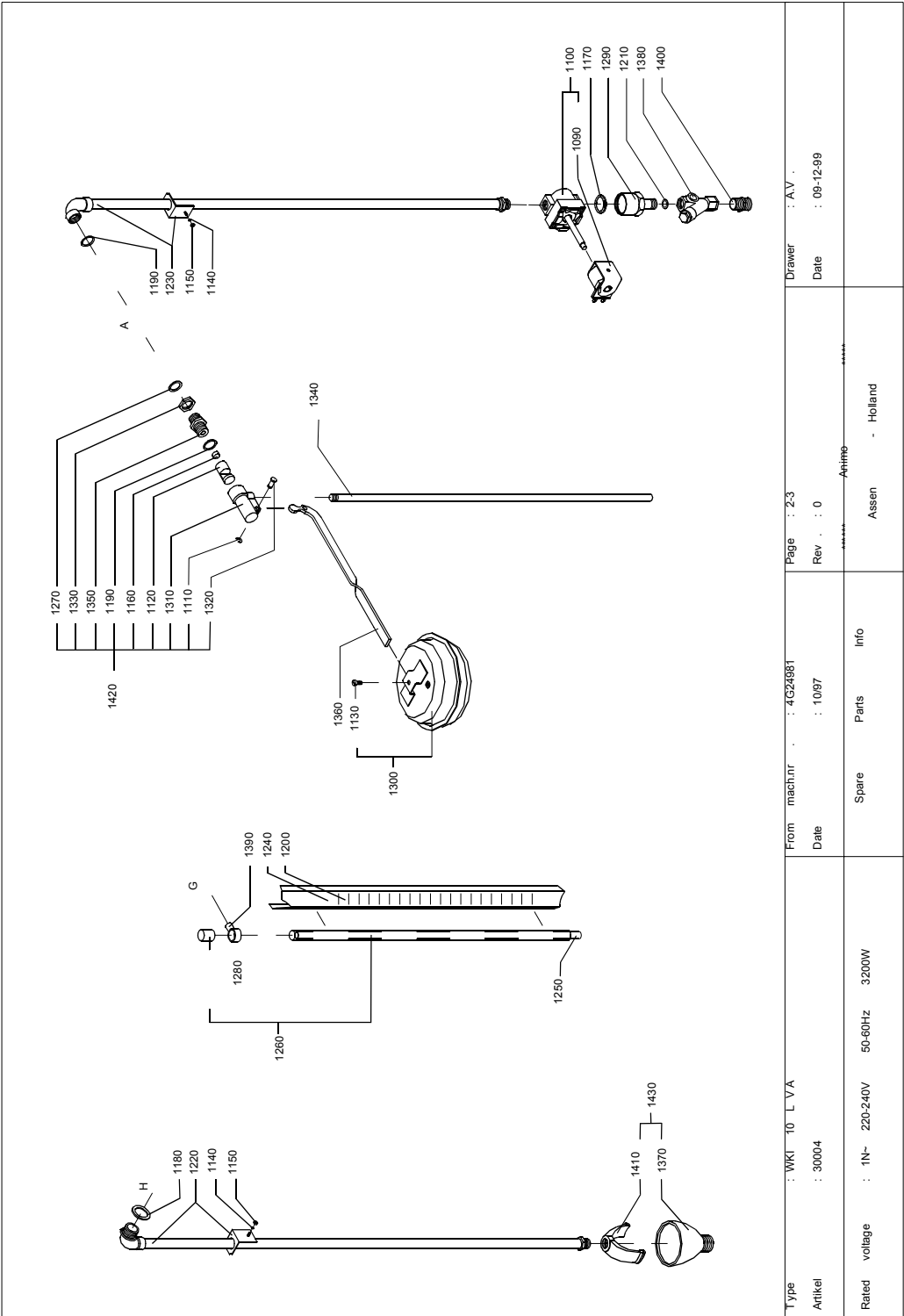
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410	5046864
420	5046865
430	5046866
440	5046867
450	5036868
460	5046869
470	5046870
480	5046871
490	5046872
500	5046873
510	5046874
520	5046875
530	5046876
540	5046877
550	5046878
560	5046879

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Rated voltage : 1N~ 220-240V 50-60Hz 3400W					

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580	5046112
590	5046907
600	5046880
610	5045022
620	5046881
630	5046817
640	5046821
650	5046882
660	5046883
670	5046884
680	5046885
690	5046886
700	5046887
710	5046888
720	5046889
730	5046890
740	5046891
750	5046892
760	5046893



ID	Code
MODULE:WKI 10 VA	
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790	5040205
800	5042206
810	5040209
820	5046814
830	5046124
840	5046105
850	5046104
860	5043215
870	5046815
880	5046816
890	5046817
900	5046818
910	5046819
920	5046820
930	5046821
940	5046822
950	5046846
960	5046847
970	5046848
980	5046849
990	5046850
1000	5046851
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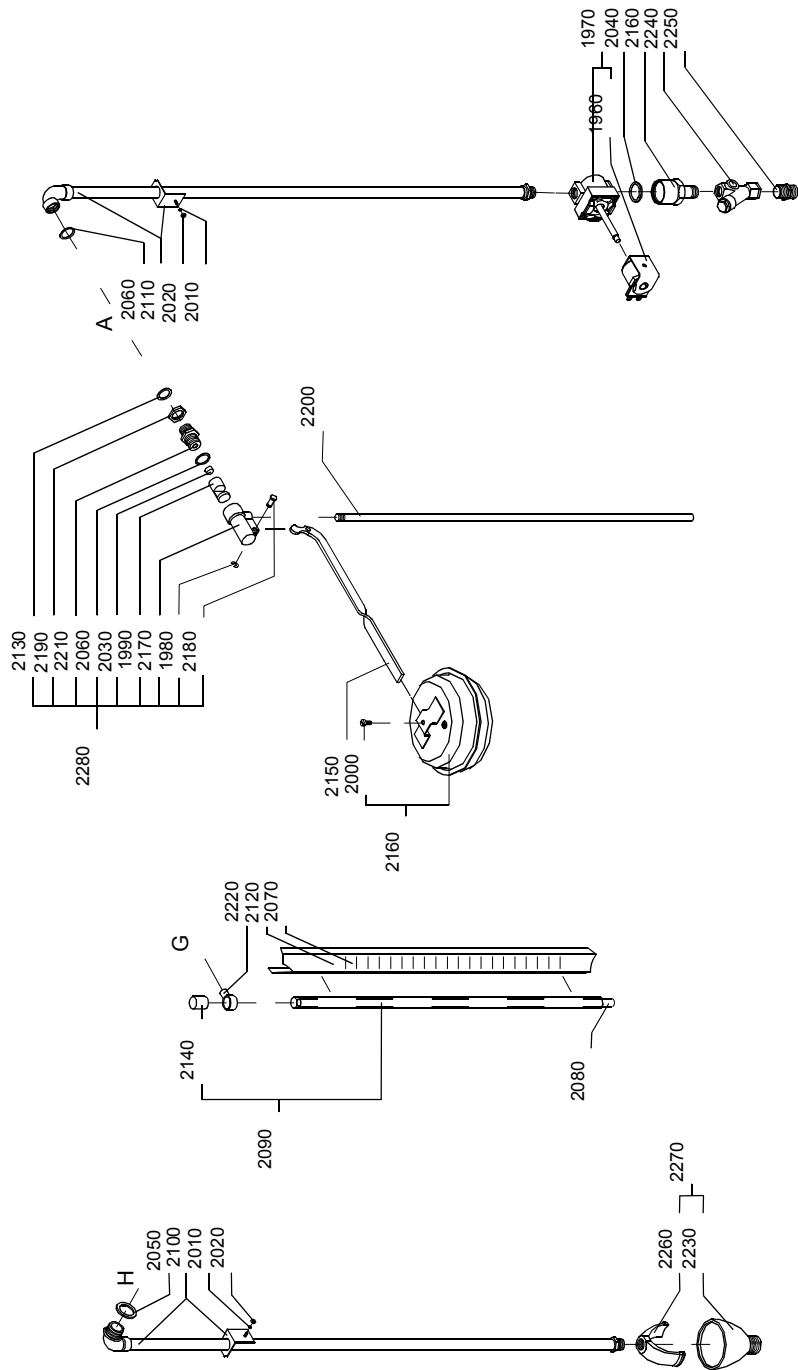
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1160	5046897
1170	5046860
1180	5046861
1190	5046862
1200	5046898
1210	5046864
1220	5046865
1230	5046866
1240	5046867
1250	5046879
1260	5036868
1270	5046899
1280	5046869
1290	5046870
1300	5046218
1310	5046900
1320	5046901
1330	5046871
1340	5046902
1350	5046903
1360	5046904
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1380	5046874
1390	5046875
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1410	5046905
1420	5046906
1430	5046878



ID	Code
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1460	5045022
1470	5046881
1480	5046907
1490	5046880
1500	5046817
1510	5046821
1520	5046882
1530	5046883
1540	5046884
1550	5046885
1560	5046908
1570	5046887
1580	5046888
1590	5046889
1600	5046890
1610	5046891
1620	5046892
1630	5046909



ID	Code
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1660	5040205
1670	5042206
1680	5040209
1690	5046814
1700	5046124
1710	5046105
1720	5046104
1730	5043215
1740	5046815
1750	5046816
1760	5046817
1770	5046818
1780	5046819
1790	5046820
1800	5046821
1810	5046822
1820	5046846
1830	5046847
1840	5046848
1850	5046850
1860	5046851
1870	5046910
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1910	34028
1920	5046856
1930	5046911
1940	5046855
1950	5046858

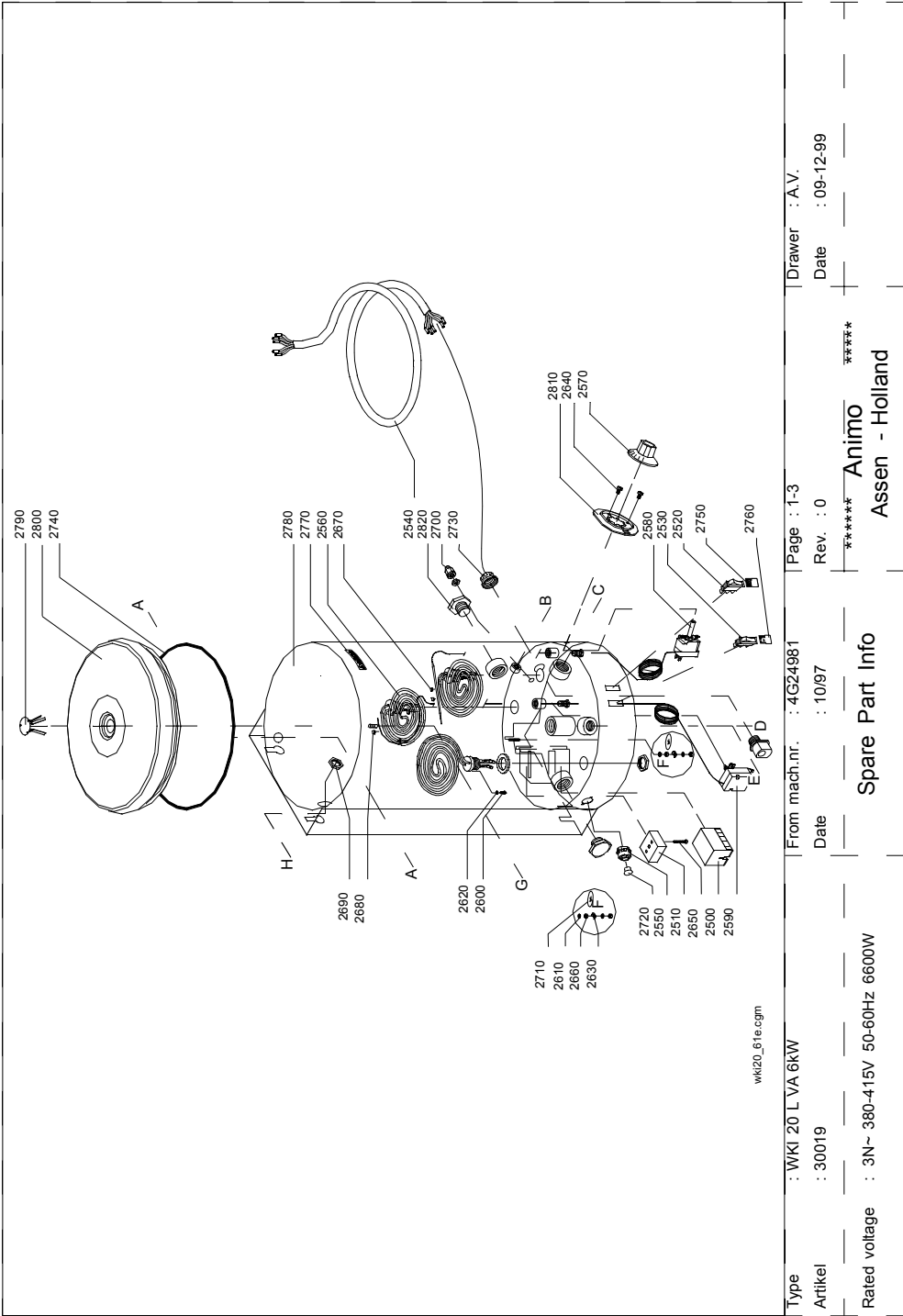


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ID	Code
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1980	5046895
1990	5046896
2000	5046815
2010	5046816
2020	5046859
2030	5046897
2040	5046860
2050	5046861
2060	5046862
2070	5046863
2080	5046912
2090	5046913
2100	5046914
2110	5046915
2120	5046916
2130	5046899
2140	5046869
2150	5046917
2160	5046870
2170	5046900
2180	5046901
2190	5046871
2200	5046918
2210	5046903
2220	5046875
2230	5046873
2240	5046874
2250	5046876
2260	5046877
2270	5046878
2280	5046906

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2300	5046112
2310	5045022
2320	5046919
2330	5046881
2340	5046907
2350	5046920
2360	5046817
2370	5046882
2380	5046883
2390	5046821
2400	5046924
2410	5046884
2420	5046886
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2460	5046890
2470	5046891
2480	5046892
2490	5046893



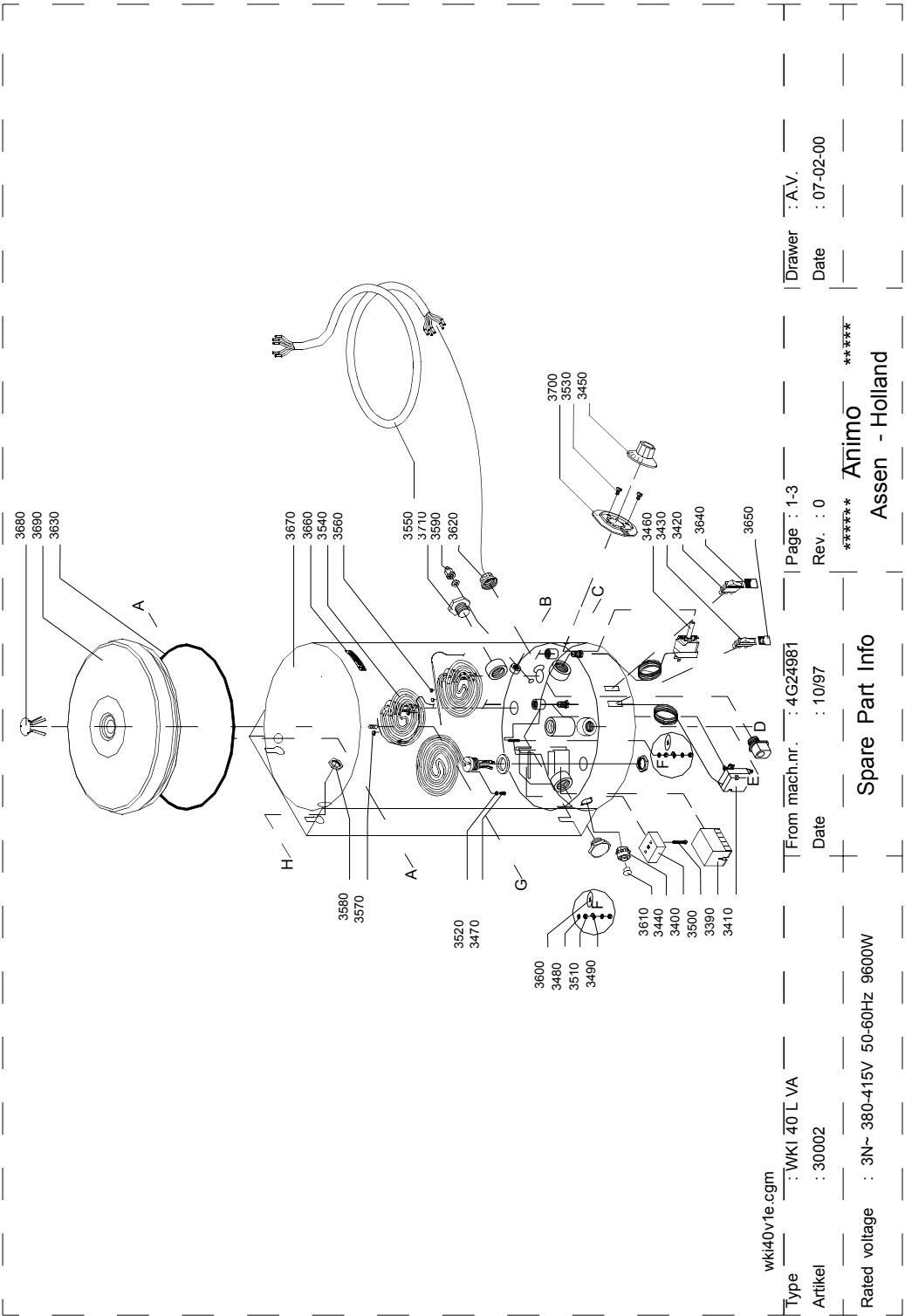
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2560	5046317
2570	5046105
2580	5046104
2590	5043215
2600	5046815
2610	5046817
2620	5046921
2630	5046819
2640	5046820
2650	5047014
2660	5046821
2670	5046822
2680	5046846
2690	5046847
2700	5046848
2710	5046850
2720	5046851
2730	5046922
2740	5046910
2750	5046852
2760	5046853
2770	5046854
2780	34029
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2820	5046858



ID	Code
MODULE:WKI 20 L VA 6 kW	
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2840	5041112
2850	5046895
2860	5046896
2870	5046815
2890	5046816
2900	5046859
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2920	5046861
2930	5046862
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2950	5046863
2960	5046912
2970	5046913
2980	5046914
2990	5046915
3000	5046916
3010	5046899
3020	5046869
3030	5046870
3040	5046900
3050	5046901
3060	5046871
3070	5046903
3080	5046873
3090	5046876
3100	5046877
3110	5046218
3120	5046917
3130	5046918
3140	5046874
3150	5046875
3160	5046878
3170	5046906

		Type : WKI 20 L VA 6kW Artikel : 30019		From mach.nr : 4G24981 Date : 10/97	Page : 3-3 Rev. : ***** Animo Assen - Holland	Drawer : A.V. Date : 09-12-99
Rated voltage : 3N~ 380-415V 50-60Hz 6600W		Spare Part Info				

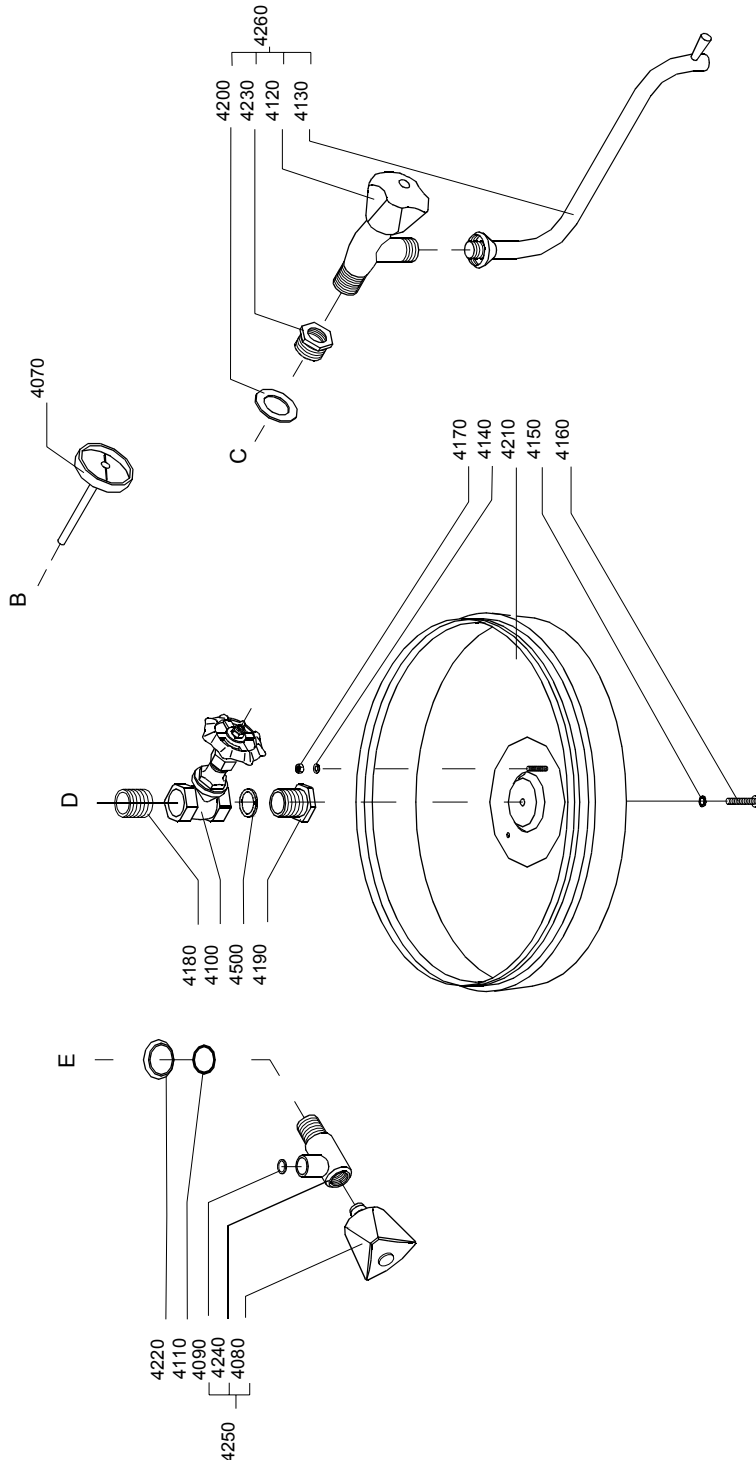
ID	Code
MODULE:WKI 20 L VA 6 kW	
3180	5046111
3190	5046112
3200	5046919
3210	5045022
3220	5046881
3230	5046907
3240	5046920
3250	5046817
3260	5046882
3270	5046821
3280	5046924
3290	5046884
3300	5046886
3310	5046883
3320	5046887
3330	5046889
3340	5046890
3350	5047012
3360	5046891
3370	5046892
3380	5046893



ID	Code
MODULE: WKI 40 L VA	
3390	3008456
3400	5044505
3410	5043215
3420	5040205
3430	5042206
3440	5046814
3450	5046105
3460	5046104
3470	5046815
3480	5046817
3490	5046819
3500	5047014
3510	5046821
3520	5046921
3530	5046820
3540	5046124
3550	5044276
3560	5046822
3570	5046846
3580	5046847
3590	5046848
3600	5046850
3610	5046851
3620	5046922
3630	5046935
3640	5046852
3650	5046853
3660	5046854
3670	34030
3680	5046856
3690	5046936
3700	5046923
3710	5046858

		Type : WKI 40 L VA Artikel : 30002 Rated voltage : 3N~ 380-415V 50-60Hz 9600W		From mach.nr : 4G24981 Date : 10/97	Page : 2-3 Rev. : ***** Animo Assen - Holland	Drawer : A.V. Date : 07-02-00
		Spare Part Info				

ID	Code
MODULE:WKI 40 L VA	
3720	5046125
3730	5041112
3740	5046895
3750	5046896
3760	5046815
3770	5046816
3780	5046859
3790	5046897
3800	5046860
3810	5046861
3820	5046862
3830	5046925
3840	5046926
3850	5046927
3860	5046928
3870	5046929
3880	5046930
3890	5046411
3900	5046899
3910	5046869
3920	5046870
3930	5046931
3940	5046218
3950	5046901
3960	5046900
3970	5046871
3980	5046932
3990	5046903
4000	5046873
4010	5046874
4020	5046875
4030	5046876
4040	5046877
4050	5046906
4060	5046878

			Page : 3-3 Rev. : ***** Animo Assen - Holland		Drawer : AV . Date : 07-02-00
Type : WKI 40 L VA Artikel : 30002	From mach.nr : 4G24981 Date : 10/97	Spare Part Info			
Rated voltage : 3N~ 380-415V 50-60Hz 9600W					

ID	Code
MODULE:WKI 40 L VA	
4070	5046111
4080	5046112
4090	5045022
4100	5046919
4110	5046881
4120	5046907
4130	5046933
4140	5046817
4150	5046882
4160	5046883
4170	5046821
4180	5046924
4190	5046884
4200	5046887
4210	5046991
4220	5046889
4230	5046890
4240	5046891
4250	5046892
4260	5046934

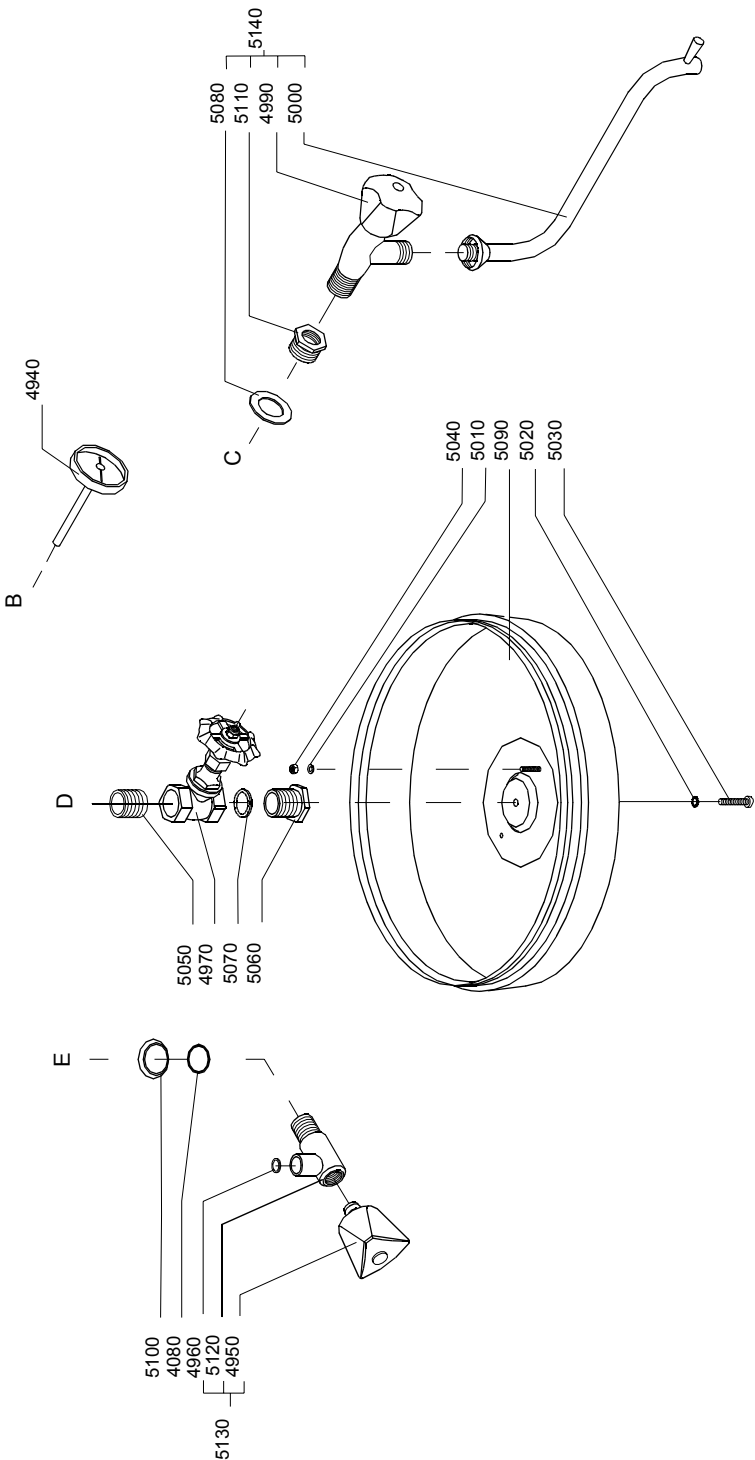
4560
4570
4480
A
4550
4540
4330
4430
4460
4450
4390
4370
4310
4590
4470
4510
4580
4400
4340
4490
4380
4430
4410
4500
4320
4280
4420
4270
4360
4350
4300
4290
4520
4530
4400
4340
4580
4400
4340
B
C
D
E
F
G
H

Type	: WKI 60 L VA	From mach.nr.	: 4G24981	Page	: 1-3	Drawer	: A.V.
Artikel	: 30018	Date	: 10/97	Rev.	: 0	Date	: 11-02-00
Rated voltage	: 3N~ 380-415V 50-60Hz 9600W	Spare Part Info					
***** Animo *****						Assen - Holland	

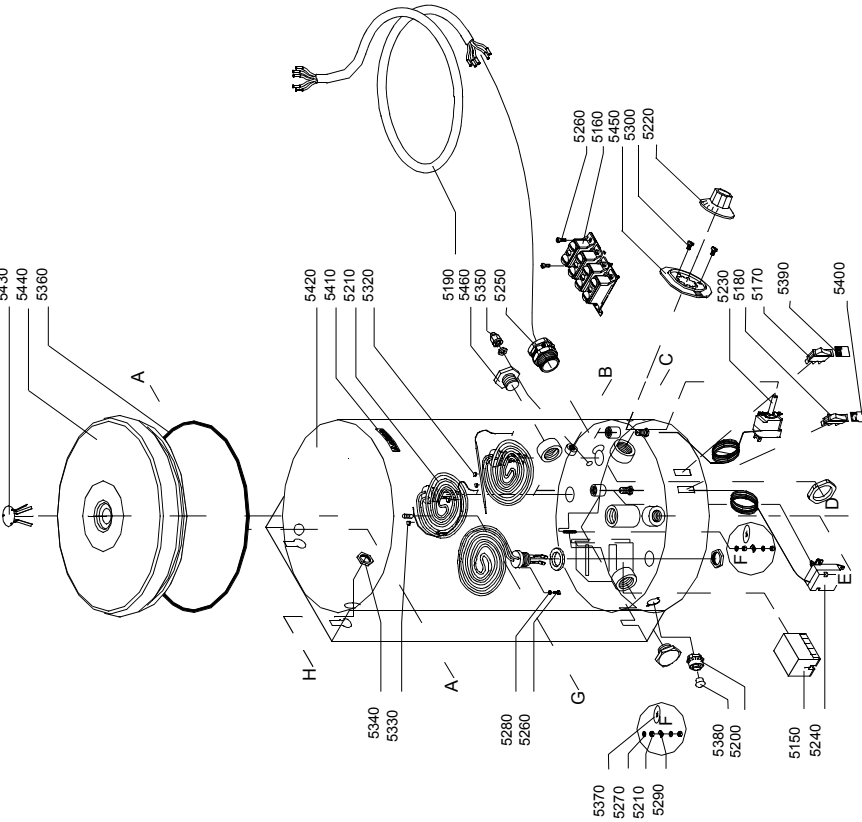
ID	Code
MODULE:WKI 60 L VA	
4270	3008456
4280	5044505
4290	5040205
4300	5042206
4310	5044276
4320	5046814
4330	5046124
4340	5046105
4350	5046104
4360	5043215
4370	5046815
4380	5046817
4390	5046921
4400	5046820
4410	5046819
4420	5047014
4430	5046821
4440	5046822
4450	5046846
4460	5046847
4470	5046848
4480	5046935
4490	5046850
4500	5046851
4510	5046922
4520	5046852
4530	5046853
4540	5046854
4550	34031
4560	5046856
4570	5046936
4580	5046923
4590	5046858

		Type : WKI 60 L VA Artikel : 30018		From mach.nr : 4324981 Date : 10/97	Page : 2-3 Rev. : ***** Animo Assen - Holland	Drawer : A.V. Date : 11-02-00
Rated voltage : 3N~ 380-415V 50-60Hz 9600W		Spare Part Info				

ID	Code
MODULE:WKI 60 L VA	
4600	5041112
4610	5046125
4620	5046896
4630	5046895
4640	5046815
4650	5046859
4660	5046816
4670	5046897
4680	5046860
4690	5046861
4700	5046862
4710	5046925
4720	5046926
4730	5046900
4740	5046901
4750	5046871
4760	5046899
4770	5046903
4780	5046937
4790	5046938
4800	5046939
4810	5046940
4820	5046870
4830	5046869
4840	5046931
4850	5046218
4860	5046932
4870	5046873
4880	5046874
4890	5046875
4900	5046876
4910	5046877
4920	5046906
4930	5046878

			wiki60v3e.cgm	
Type : WKI 60 L VA	From mach.nr . : 4G24981	Page : 3-3	Drawer : A.V .	***** Animo ***** Assen - Holland
Artikel : 30018	Date : 10/97	Rev . :	Date : 11-02-00	
Rated voltage : 3N~ 380-415V 50-60Hz 9600W	Spare Part Info			

ID	Code
MODULE:WKI 60 L VA	
4940	5046111
4950	5046112
4960	5045022
4970	5046919
4980	5046881
4990	5046907
5000	5046933
5010	5046817
5020	5046882
5030	5046883
5040	5046821
5050	5046924
5060	5046884
5070	5046886
5080	5046887
5090	5046991
5100	5046889
5110	5046890
5120	5046891
5130	5046892
5140	5046934

 wk80v1e.cgm		Type : WKI 80 L VA Artikel : 30003		From mach.nr. : 4G24981 Date : 10/97	Page : 1-3 Rev. : 0	Drawer : A.V. Date : 14-02-00
Rated voltage : 3N- 380-415V 50-60Hz 19200W		Spare Part Info		***** Animo ***** Assen - Holland		

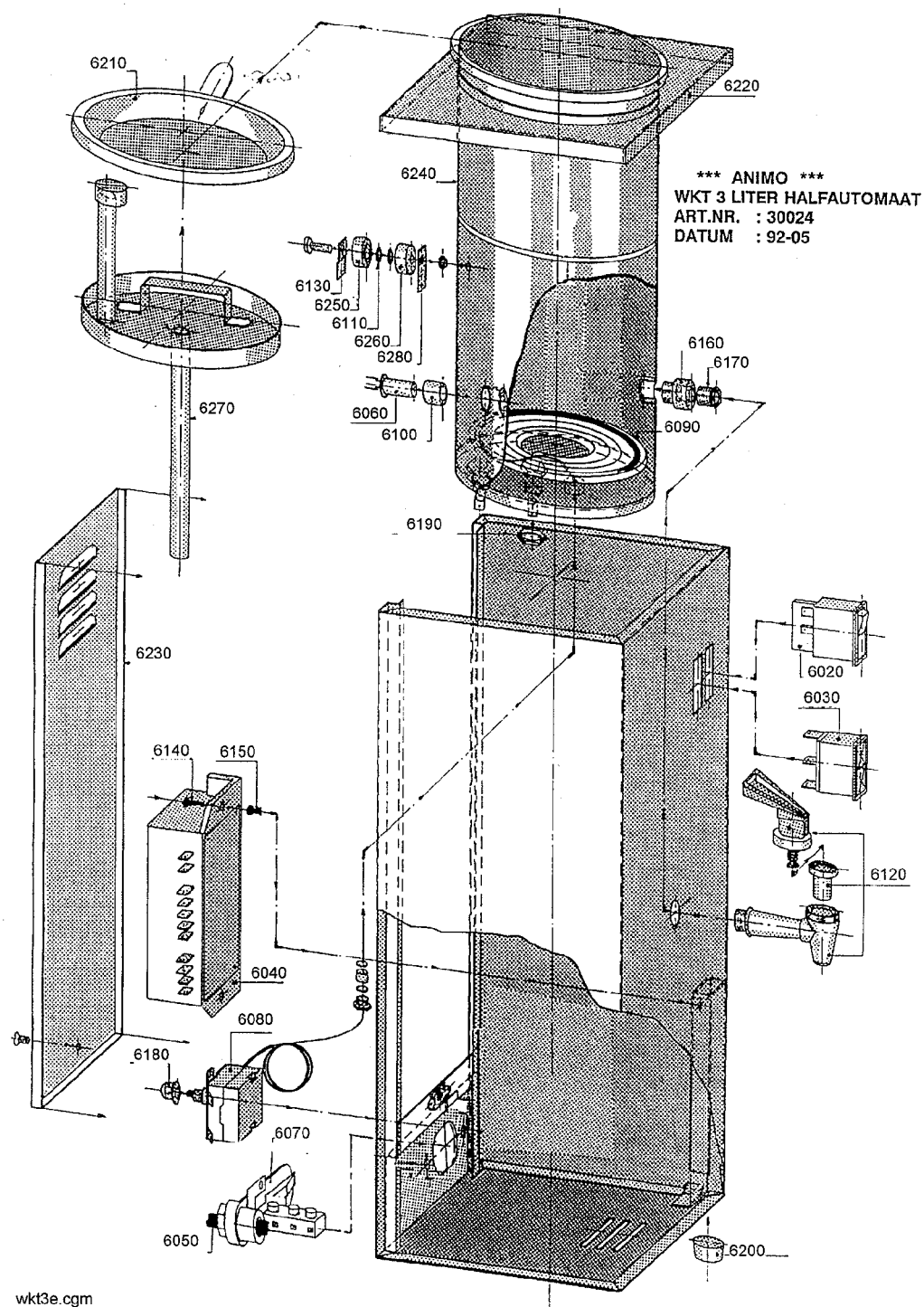
ID	Code
MODULE:WKI 80 L VA	
5150	3008456
5160	5046941
5170	5040205
5180	5042206
5190	5046942
5200	5046814
5210	5046124
5220	5046105
5230	5046104
5240	5043215
5250	03700
5260	5046815
5270	5046817
5280	5046921
5290	5046819
5300	5046820
5310	5046821
5320	5046822
5330	5046846
5340	5046847
5350	5046848
5360	5046935
5370	5046850
5380	5046851
5390	5046852
5400	5046853
5410	5046854
5420	5046992
5430	5046856
5440	5046943
5450	5046923
5460	5046858

		Type : WKI 80 L VA Artikel : 30003		From mach.nr. : 4G24981 Date : 10/97	Page : 2-3 Rev. : 0	Drawer : A.V. Date : 14-02-00
Rated voltage : 3N~ 380-415V 50-60Hz 19200W		Spare Part Info		***** Animo Assen - Holland *****		

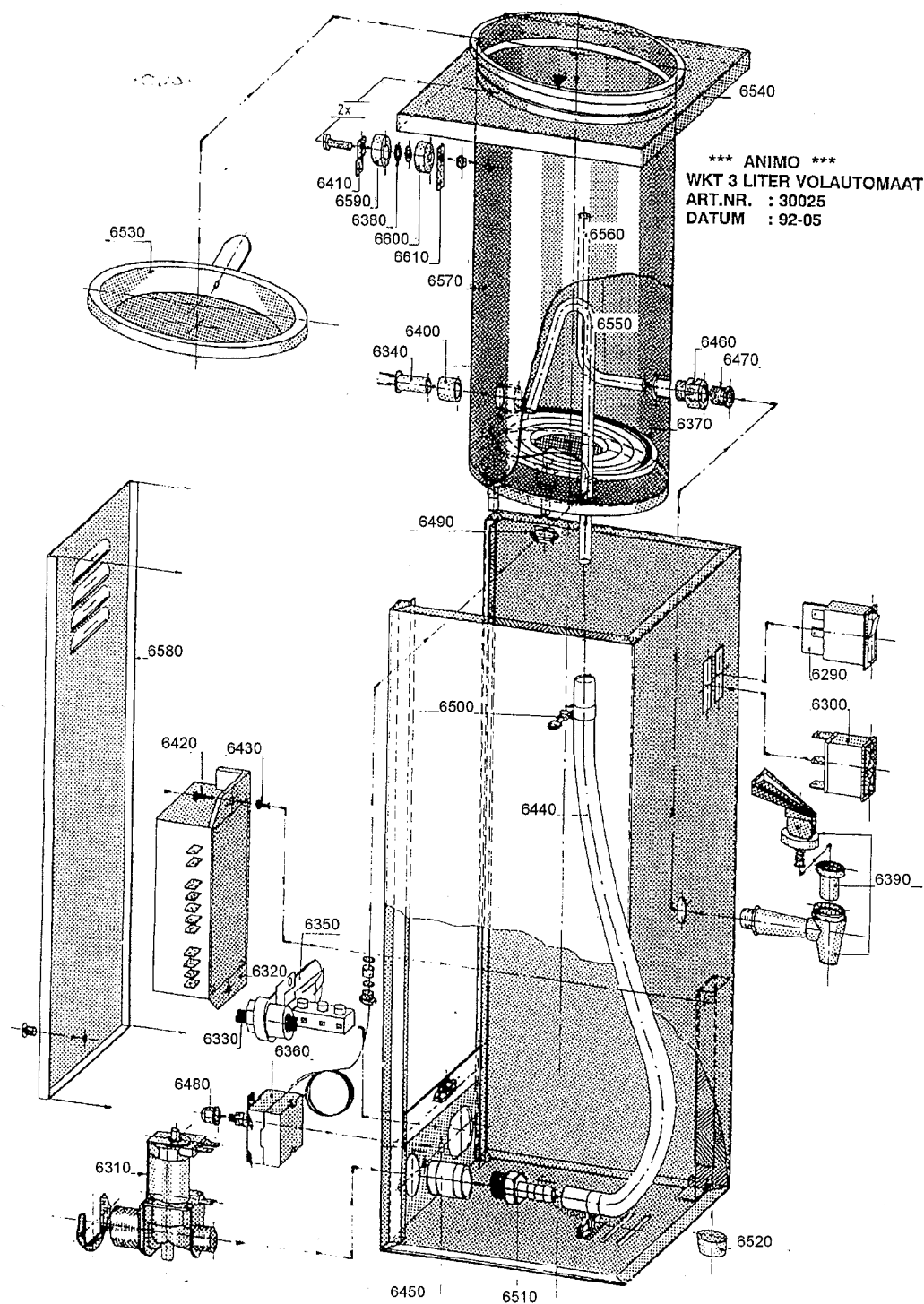
ID	Code
MODULE:WKI 80 L VA	
5470	5046125
5480	5046125
5490	5041112
5500	5046896
5510	5046815
5520	5046816
5530	5046859
5540	5046897
5550	5046860
5560	5046861
5570	5046862
5580	5046944
5590	5046945
5600	5046946
5610	5046947
5620	5046948
5630	5046949
5640	5046950
5650	5046951
5660	5046899
5670	5046869
5680	5046952
5690	5046218
5700	5046900
5710	5046901
5720	5046871
5730	5046953
5740	5046903
5750	5046873
5760	5046875
5770	5046876
5780	5046877
5790	5046906
5800	5046878

		wki80v3e cgrm		Page : 3-3 Rev. : 0		Drawer : A.V. Date : 14-02-00	
Type : WKI 80 L VA	From mach.nr. : 4G24981	Spare Part Info		***** Animo *****		Assen - Holland	
Artikel : 30003	Date : 10/97						
Rated voltage : 3N~ 380-415V 50-60Hz 19200W							

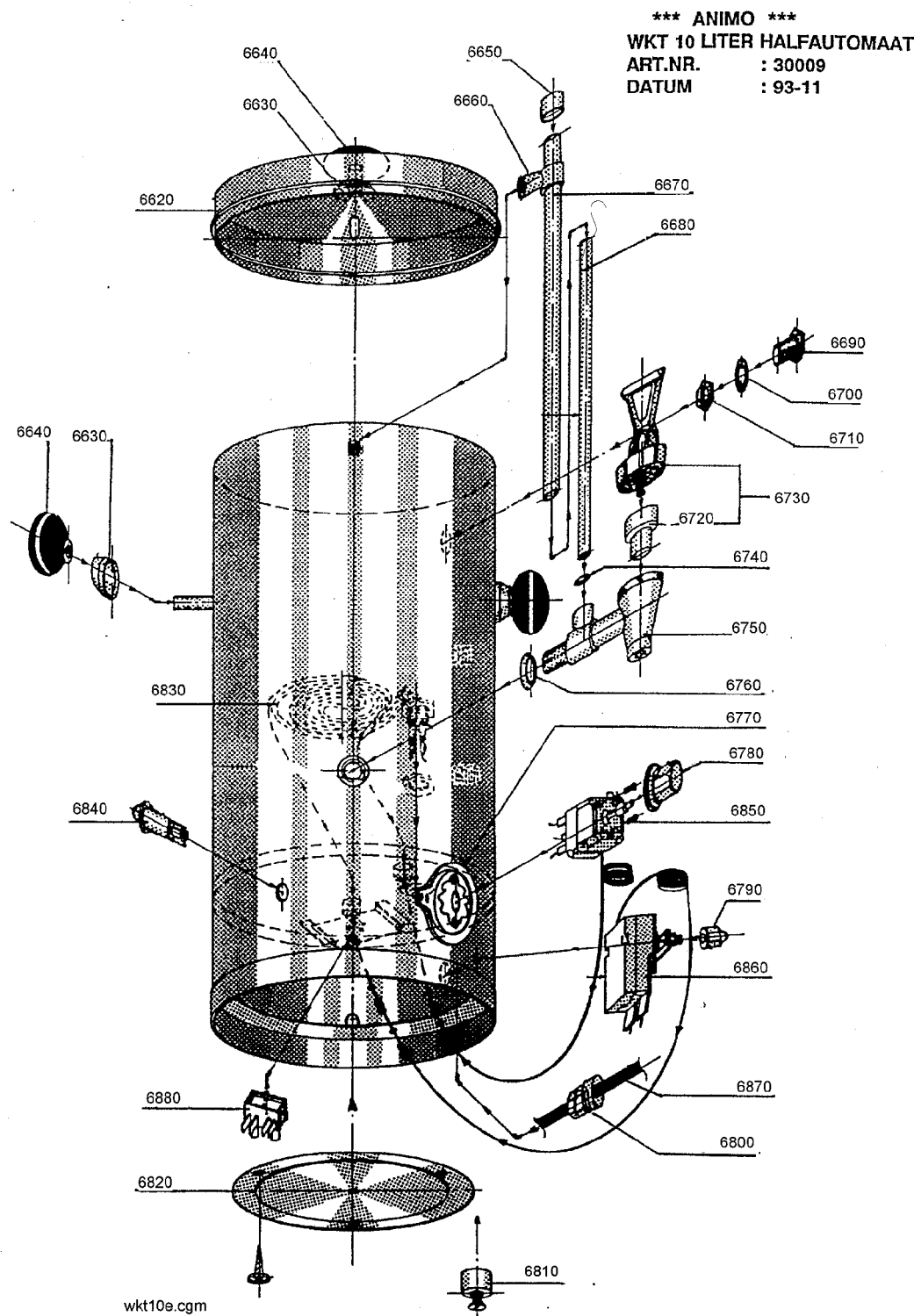
ID	Code
MODULE:WKI 80 L VA	
5810	5046111
5820	5046112
5830	5045022
5840	5046919
5850	5046881
5860	5046907
5870	5046933
5880	5046817
5890	5046882
5900	5046883
5910	5046821
5920	5046924
5930	5046884
5940	5046886
5950	5046887
5960	5046889
5970	5046993
5980	5046890
5990	5046891
6000	5046892
6010	5046934



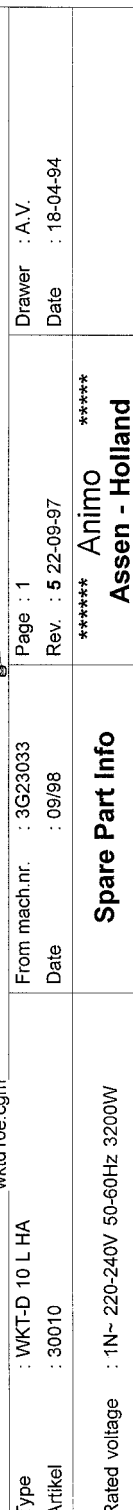
ID	Code
MODULE:WKT 3 L HA	
6020	5044101
6030	5044109
6040	5040215
6050	5040209
6060	5043212
6070	5046971
6080	5043215
6090	5046954
6100	5043219
6110	5046955
6120	5046829
6130	5041221
6140	5043223
6150	5043224
6160	5046956
6170	5046957
6180	5046848
6190	5046863
6200	5040235
6210	5041243
6220	5046995
6230	5046996
6240	5046958
6250	5046997
6260	5046959
6270	5046960
6280	5041263



ID	Code
MODULE:WKT 3 L HA	
6290	5044101
6300	5044109
6310	5044114
6320	5040215
6330	5040209
6340	5043212
6350	5046971
6360	5043215
6370	5046954
6380	5046955
6390	5046829
6400	5043219
6410	5041221
6420	5043223
6430	5043224
6440	5046961
6450	5046962
6460	5046956
6470	5046957
6480	5046848
6490	5046963
6500	5046964
6510	5046965
6520	5040235
6530	5041243
6540	5046995
6550	5046998
6560	5046999
6570	5046966
6580	5046996
6590	5046997
6600	5046959
6610	5041263



ID	Code
MODULE:WKT 10 L HA	
6620	5046967
6630	5044202
6640	5044201
6650	5046869
6660	5046875
6670	5046968
6680	5046969
6690	5047000
6700	5046862
6710	5046871
6720	5045011
6730	5045012
6740	5045022
6750	5046970
6760	5046889
6770	5046855
6780	5046105
6790	5046848
6800	5046814
6810	5044126
6820	5045033
6830	5046124
6840	5045018
6850	5046104
6860	5043215
6870	5040209
6880	5043203



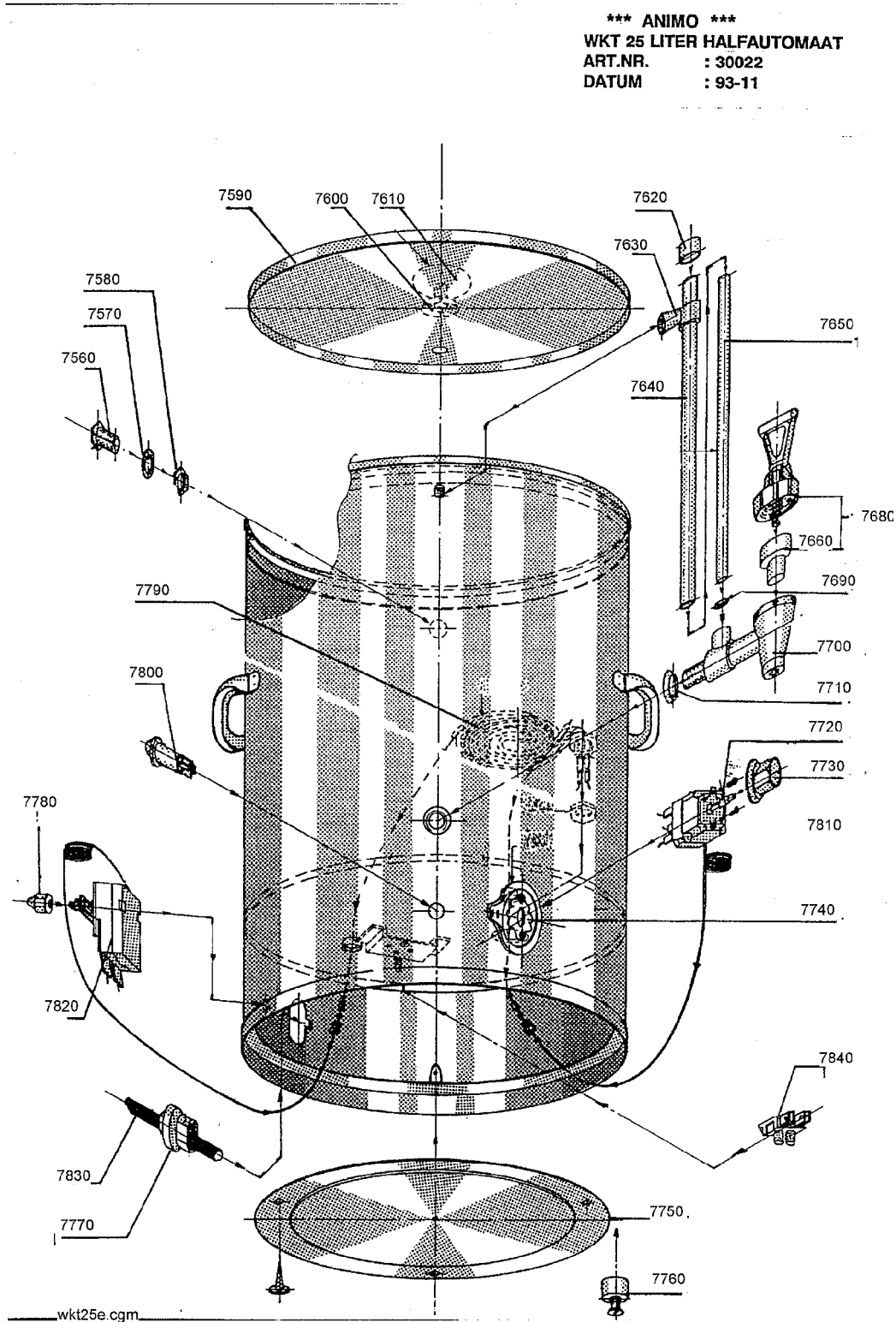
ID	Code
MODULE:WKTD 10 L HA	
6890	5040209
6900	5045018
6910	5046971
6920	5046124
6930	5046105
6940	5046104
6950	5043215
6960	5043219
6970	5045022
6980	5045012
6990	5045011
7000	5046972
7010	5046815
7020	5046816
7030	5046973
7040	5046822
7050	5046846
7060	5046974
7070	5046848
7080	5046975
7090	5046976
7100	5046977
7110	5046978
7120	5047016
7130	5046979
7140	5046855
7150	5046980
7160	5046981
7170	5046982
7180	5046970
7190	5046983
7200	5046984
7210	5045013

☐ Zie Stroomkring schema / Onderdelenlijst
☐ See Circuit schema / Sparepartlist
☐ Voir Circuit schema / Liste des pieces de rechanges
☐ Sieh Stromkreis schema / Ersatzteilliste

wktd18e.cgm

Type : WKT-D 18 L HA	From mach.nr. : 3G23033	Page : 1	Drawer : A.V.
Artikel : 30012	Date : 09/98	Rev. : 5 22-09-97	Date : 18-04-94
Rated voltage : 1N~ 220-240V 50-60Hz 3200W	***** Animo ***** Assen - Holland		

ID	Code
MODULE:WKTD 18 L HA	
7230	5040209
7240	5045018
7250	5046971
7260	5046124
7270	5046105
7280	5046104
7290	5043215
7300	5043219
7310	5045022
7320	5045012
7330	5045011
7340	5046972
7350	5046815
7360	5046816
7370	5046973
7380	5046822
7390	5046846
7400	5046974
7410	5046848
7420	5046975
7430	5046976
7440	5046977
7450	5046978
7460	5047016
7470	5046985
7480	5046923
7490	5046980
7500	5046981
7510	5046982
7520	5046970
7530	5046984
7540	5046986
7550	5045013



ID	Code
MODULE:WKT25	
7560	5047000
7570	5046881
7580	5046871
7590	5047002
7600	5044202
7610	5044201
7620	5045024
7630	5046875
7640	5046987
7650	5046988
7660	5045011
7680	5045012
7690	5045022
7700	5046970
7710	5046889
7720	5046989
7730	5046105
7740	5046923
7750	5046984
7760	5044126
7770	5046814
7780	5046848
7790	5046124
7800	5045018
7810	5046104
7820	5043215
7830	5040209

7. Technical specifications

WKI 10 LITER

WKI 10 Liter VA

WKI 20 LITER 3kW

WKI 20 LITER 6kW

WKI 40 LITER

WKI 60 LITER

WKI 80 LITER

WKT 3 HA

WKT 3 VA

WKT 10 VA

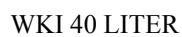
WKT 10 HA

WKT-D 10 HA

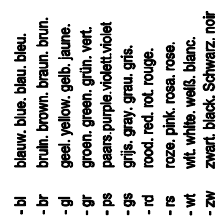
WKT-D 18 HA

WKT 25 HA

WKT 25 VA

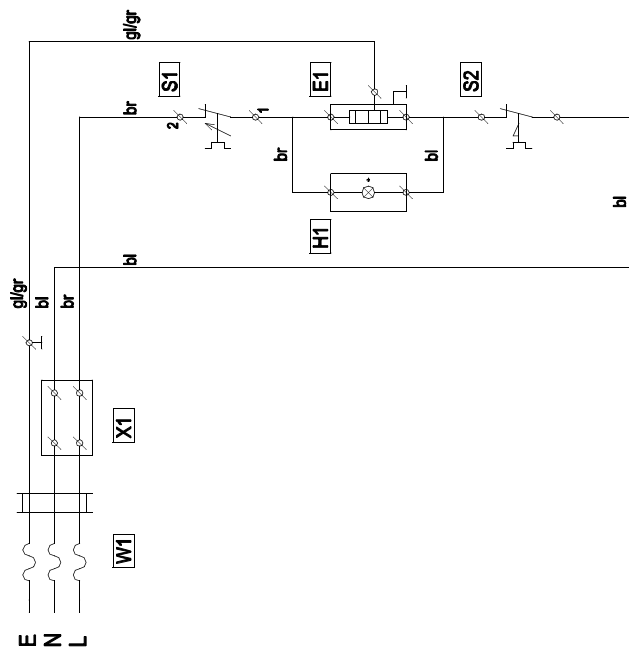






- ☐ zie exploded view / onderdelenlijst
☐ see exploded view / sparepartslist
☐ siehe Explosionszeichnung / Ersatzteilliste
☐ voir dessin explosé / liste des pièces de rechange

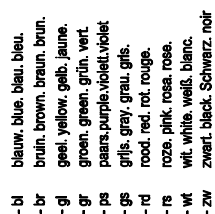
WKI 80 LITER



- | | |
|--------------------------|--|
| ☐ | zie exploded view / onderdelenlijst |
| ☐ | see exploded view / sparepartlist |
| ☐ | siehe Explosionszeichnung / Ersatzteilliste |
| ☐ | voir dessin explosé / liste des pièces de rechange |

- bi	blauw. blue. blau. bleu.
- br	bruin. brown. braun. brun.
- gi	geel. yellow. gelb. jaune.
- gr	groen. green. grün. vert.
- ps	paars. purple. violet.violet
- gs	grijs. gray. grau. gris.
- rd	rood. red. rot. rouge.
- rs	roze. pink. rosa. rose.
- wt	wit. white. weiß. blanc.
- zw	zwart. black. Schwarz. noir.

Type	: WKT 10 VA	From mach.nr. : 64894	Page : 1	Drawer : K.J.D.
Artikel	: 30027	Date : 12-83	Rev. :	Date : 10-11-93
Rated voltage: 1N~ 220-240V 50-60Hz 3200W		Checked :		
		Drawing nr. : S30027		
		Animo Assen Holland		

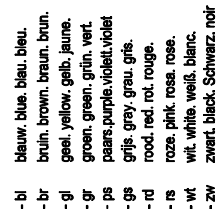


- | | | | |
|---|-----------------------|---------------------------|-----------------|
| Type : WKT 10 HA | From mach.nr. : 64894 | Page : 1 | Drawer : K.J.D. |
| Artiel : 30009 | Date : 12-83 | Rev. : 1 | Date : 12-03-93 |
| CIRCUIT DIAGRAM | | Checked : | |
| Rated voltage: 1N~ 220-240V 50-60Hz 3200W | | Drawing nr. : S30009 | |
| | | Animo
Assen
Holland | |



- | | | | | |
|----|--------|---------|----------|---------|
| bl | blauw. | blue. | blau. | bleu. |
| br | bruin. | brown. | braun. | brun. |
| gl | geel. | yellow. | gelb. | jaune. |
| gr | groen. | green. | grün. | vert. |
| ps | paars. | purple. | violet. | violet. |
| gs | grijs. | gray. | grau. | gris. |
| rd | rood. | red. | rot. | rouge. |
| rs | roze. | pink. | rosa. | rose. |
| rw | wit. | white. | weiß. | blanc. |
| zw | zwart. | black. | Schwarz. | noir. |

Type : WKT-D 10 HA	From mach.nr. : 1C03116	Page : 1	Drawer : K.J.D.
Artikel : 30010	Date : 02-93	Rev. :	Date : 11-02-93
Rated voltage: 1N~220-240V 50-60Hz 3200W	CIRCUIT DIAGRAM	Animo Assen Holland	
		Checked :	Drawing nr. : S30010



- | | |
|--------------------------|--|
| ☐ | zie exploded view / onderdelenlijst |
| ☐ | see exploded view / sparepartlist |
| ☐ | siehe Explosionszeichnung / Ersatzteilliste |
| ☐ | voir dessin explosé / liste des pièces de rechange |

WKT-D 18 HA

Technical specifications

Item	Model	Type	Specification
Volume	WKT	3	3 l
Volume	WKTD, WKT, WKI	10, 10HA	10 l
Volume	WKT	10VA	ca. 8 l
Volume	WKT	25HA	25 l
Volume	WKT	25VA	ca. 21 l
Volume	WKTD	18	18 l
Volume	WKI	203, 206	20 l
Volume	WKI	40	40 l
Volume	WKI	60	60 l
Volume	WKI	80	80 l
Hourly capacity	WKT, WKTD		30 l/h
Hourly capacity	WKI	10, 203	30 l/h
Hourly capacity	WKI	206	60 l/h
Hourly capacity	WKI	40, 60	90 l/h
Hourly capacity	WKI	80	180 l/h
Heating time 20-97°C	WKT, WKTD	10	24 min
Heating time 20-97°C	WKT	25	50 min
Heating time 20-97°C	WKTD	18	40 min
Water connection	WKI		yes
Water connection	WKT	10VA, 25VA	yes
Water connection	WKT, WKTD	10HA, 25HA, 10, 18	no
Electrical connection	WKT, WKTD		1N~220-240V
Electrical connection	WKI	10, 203	1N~220-240V
Electrical connection	WKI	206, 40, 60, 80	3N~400V
Dimensions hxd	WKI	10	520x224 mm
Dimensions hxd	WKI	203, 206	585x304 mm
Dimensions hxd	WKI	40	685x388 mm
Dimensions hxd	WKI	60	855x388 mm
Dimensions hxd	WKI	80	891x445 mm
Dimensions hxd	WKT	10HA, 10VA	550x225 mm
Dimensions hxd	WKT	25HA, 25VA	500x340 mm
Dimensions hxd	WKTD	10	425x307 mm
Dimensions hxd	WKTD	18	576x307 mm
Holding temperature			97°C