

SERVICE MANUAL

STG ROTISSERIE OVEN MODELS

MODELS

Programmable controls STG8 P

Versions:

Solid Back

Pass-Through

Pass-Through with rotor button



Model STG8 P solid back

- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

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Versions		
Version	Issue date dd/mm/yy	Remarks
02/2007	01/02/2007	First release.
04/2010	01/04/2010	Textual changes. Troubleshooting adapted.
03/2014	01/03/2014	Textual changes. Electrical tests adapted.

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GENERAL TECHNICAL DATA

This manual covers the STG8 P series rotisserie ovens. Ovens will also be delivered in stacked versions.

- STG8 P - Oven with eight spits (32 to 40 chickens)

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

TECHNICAL DATA

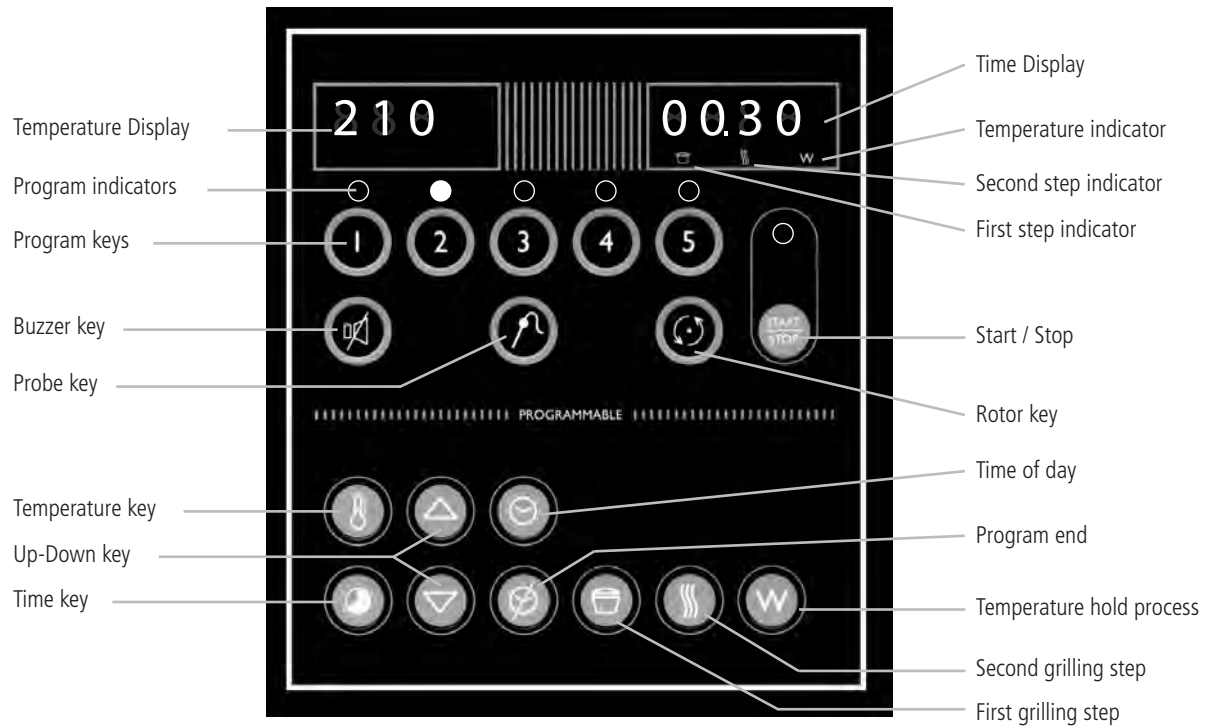
Type	STG 8 Pass Through	STG 8 P Solid Back
Power	10.500 W	10.500 W
Fuses needed with power connection 400V, 3N~50...60 Hz (3 phases with zero)	3 x 16A	3 x 16A
Fuses needed with power connection 200 or 230V, 3~50...60 Hz (3 phases without zero)	3 x 32A	3 x 32A
Standard plug from factory 5-pole Acc IEC309 and CEE-form	16A 3P+N+E	16A 3P+N+E
Net weight	181 kg	181 kg
Gross weight	217 kg	217 kg
Height	1025 mm	1025 mm
Width	985 mm	985 mm
Depth	865 mm	850 mm

Tools

- Standard set of tools.
- Metric wrenches, sockets and hex socket key wrenches.
- Multi meter and AC current clamp meter.
- Temperature tester.
- Insulation value tester (Megger).
- Field Service Grounding Kit.

PROGRAMMING INSTRUCTIONS FOR THE STG8 P

DISPLAY AND KEYS

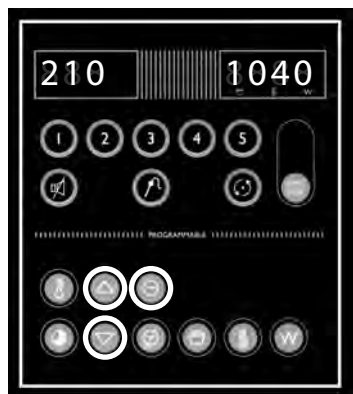


SETTING THE STG8 P



When the main switch is turned to "1" the display lights up and the rotisserie is ON.

SETTING ACTUAL TIME

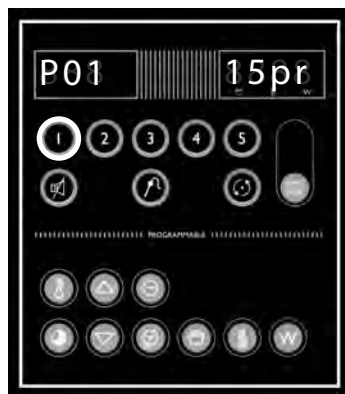


Press and hold Time of day key

Press Up or Down key

Release Time of day key

15 PROGRAMS



After the unit is switched-on the time display indicates: 15PR

Key 1:

1x = program 01

2x = program 06

3x = program 11

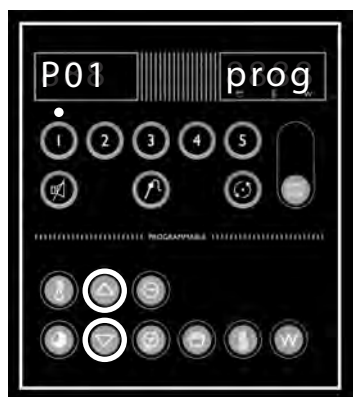
Key 2:

1x = program 02

2x = program 07

3x = program 12

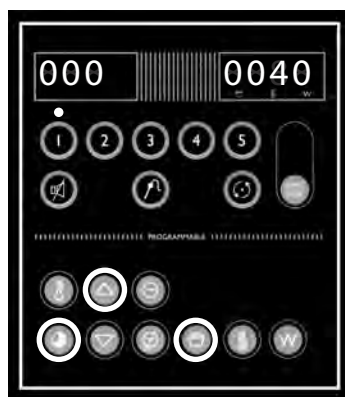
ENTERING A PROGRAM



Select Program number

Press both Up and Down keys during 2 seconds

FIRST COOKING STEP (TIME)



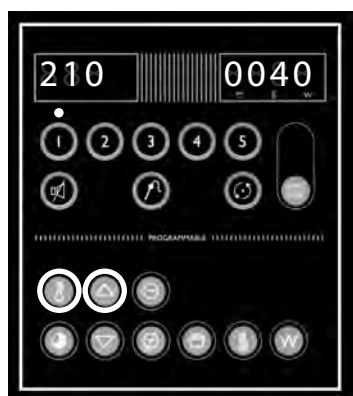
Press Cooking process key

Cooking symbol lights up

Press and hold the Time key

Press Up or Down key

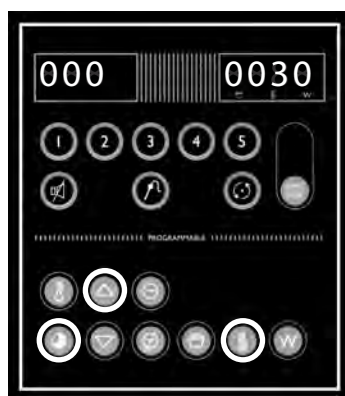
FIRST COOKING STEP (TEMP.)



Press and hold the Temperature key

Press Up or Down key

SECOND COOKING STEP (TIME)



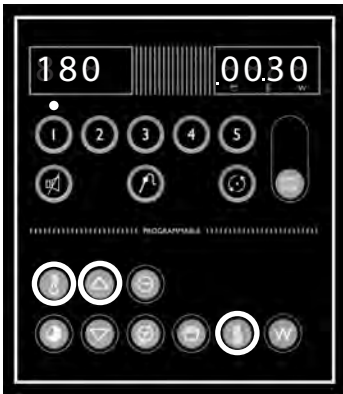
Press Grilling process key

Grilling symbol lights up

Press and hold the Time key

Press Up or Down key

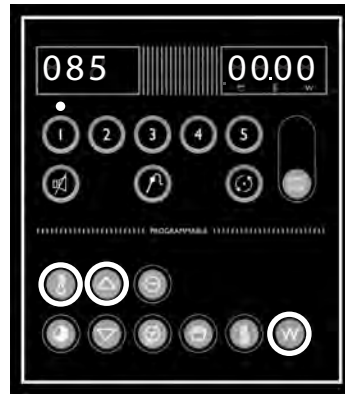
SECOND COOKING STEP (TEMP.)



Press and hold Temperature key

Press Up or Down key

TEMPERATURE HOLD



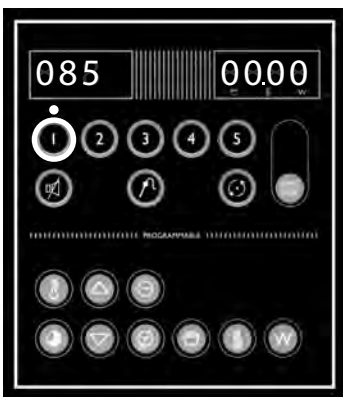
Press Temperature Hold process key

Temperature Hold symbol lights up

Press and hold the Temperature key

Press Up or Down key

LOADING PROGRAM



Press program number to load pre-set values

PROGRAM START & LOADING



Press Start / Stop key

On indicator lights up

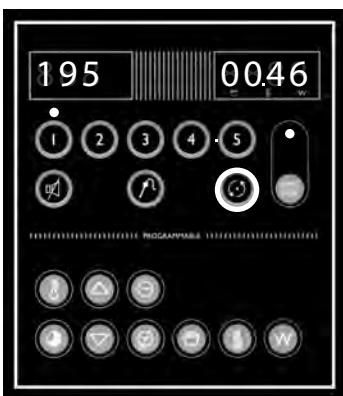
Press Rotor key to start turning the rotor

Press Rotor key again to stop

Load the rotisserie with products

OPTIONAL SETTINGS FOR THE HR8 P

INTERRUPTING ACTIVE PROGRAM



Press Rotor key

Heaters and front lamp switch off

Rotor stops

On indicator is blinking

Process time in hold

SET ADDITIONAL BUZZER SIGNAL

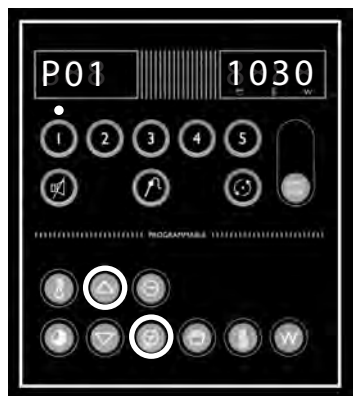


Select a pre-defined program

Press and hold Buzzer key

Press Down key

SET PROGRAM END TIME

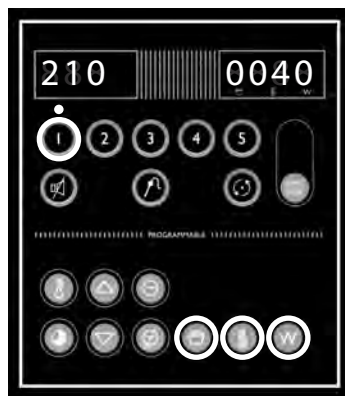


Select a pre-defined program

Press and hold the Program end key

Press Up key

DISPLAY SET TIME & TEMPERATURE



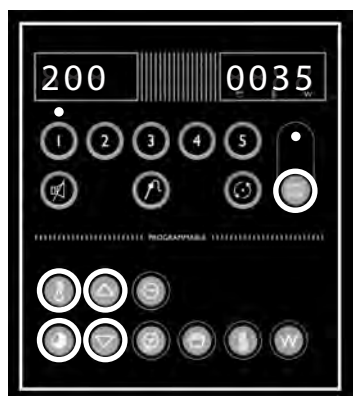
Select a pre-defined program

Press Cooking, Grilling or Temperature hold key

No time indication for Temperature hold

Visible during process or program selection

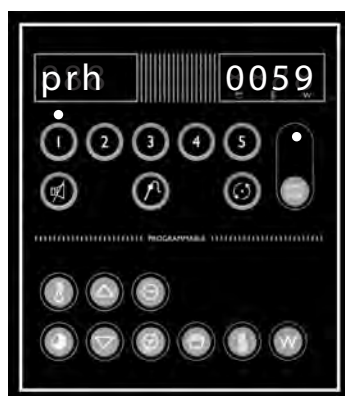
ADJUSTING ACTIVE PROGRAM



Press and hold Temperature or Time key

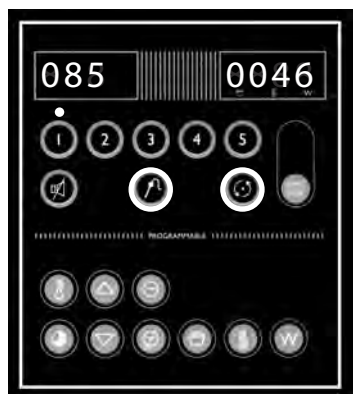
Adjust temperature or time with Up or Down key

PREHEAT INDICATION



Under 40°C (104°F) the display shows PRH

TEMPERATURE PROBE (OPTIONAL)



Press the Rotor key

Insert the probe in the meat up to the core

Press Temperature sensor key; after 20 seconds the temperature reading switches off

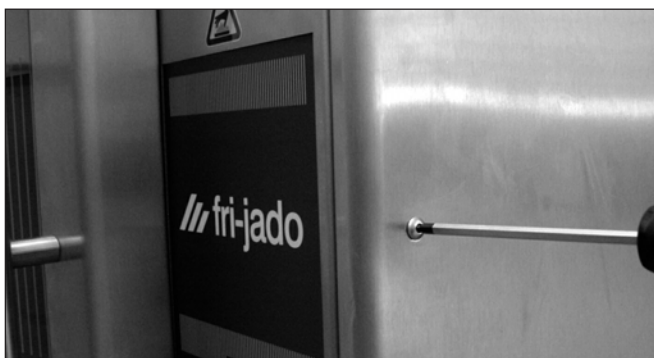
INDICATIONS DURING PROCESS

- Process indicators shows actual process after completion indicator switches off.
- Time display shows remaining program time which is the sum of the remaining cooking and grilling time.
- Temperature display indicates actual temperature in the grill. Under 40°C (104°F) the display shows PRH (preheat).
- When remaining time reaches 0, the process indicators and the On-indicator switches off.

REMOVAL AND REPLACEMENT OF PARTS FOR THE STG8 P

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

RIGHT OR LEFT SIDE PANEL



1. Remove the screws that secure the panel to the frame.
2. Remove the panel.
3. Reverse the procedure to install.

TOP COVER



1. Remove the left side panel according prior procedure.
2. Remove the screws securing both large and small top covers.
3. Remove the top cover. (Lift at left side and remove to the left).
4. Reverse the procedure to install.

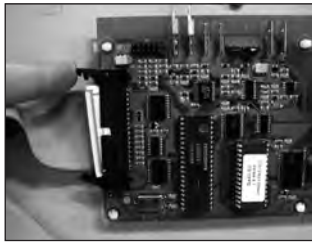
KNOB



1. Remove cover plate on the knob with a small screw driver.
2. Loosen the screw inside the knob.
3. Remove the knob with ring.
4. Reverse the procedure to install.

Note: check that the ring behind the knob is in the right position and runs free from the panel.

OPERATING PANEL

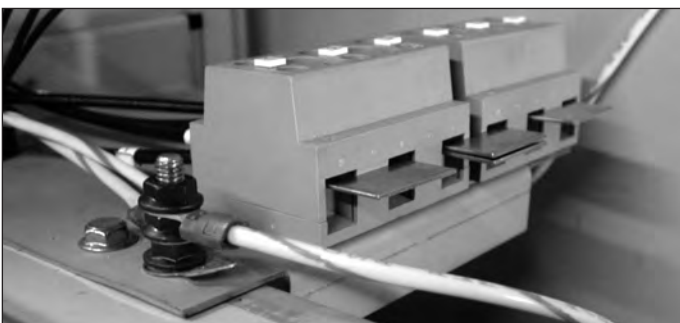


1. Remove the right side panel according prior procedure.
2. Remove the knobs according prior procedure.
3. Remove the screw that secures the panel.
4. Remove the 2 bolts on the backside of the operating panel.
5. Remove the screws that secure the meat probe holder and remove the holder (if supplied).
6. Remove the flatcable on the power section.
7. Remove the clip on the back, top left side that secures panel and frame.
8. Remove the operating panel.
9. Reverse the procedure to install.

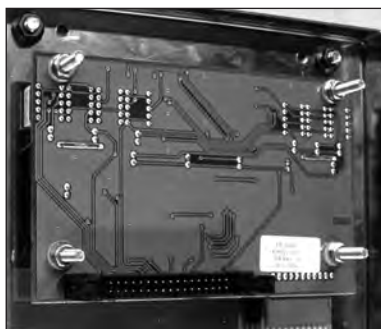
ELECTRIC PANEL



1. Remove the operating panel according prior procedure.
2. Remove on the front side the screws that secure the panel.
3. Remove on the inside bottom of the electric panel the bolt and nuts.
4. Disconnect the wiring.
5. Slide the electrical panel backwards.
6. Reverse the procedure to install.



DISPLAY



1. Remove the right side panel according prior procedure.
2. Disconnect the flatcable on the display.
3. Remove the clip on the back, top left side that secures panel and frame.
4. Remove the nuts and washers on the backside of the display and remove the metal cover.
5. Remove the nuts and plastic rings that secure the board and remove the board. Do not forget to disconnect the blue connector on the board.
6. Reverse the procedure to install.

PANEL AND KEYPAD ASSEMBLY



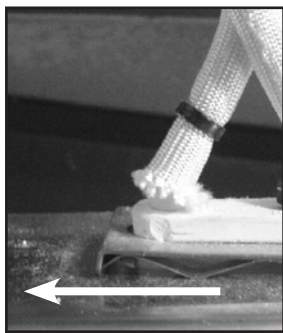
1. Remove the operating panel according prior procedure.
2. Remove the display according prior procedure.
3. Remove the nuts that secure the panel with foil and remove panel.
4. Reverse the procedure to install.

NAMEPANEL



1. Remove the operating panel according prior procedure.
2. Remove the 4 nuts that secure the panel and remove the panel.
3. Reverse the procedure to install.

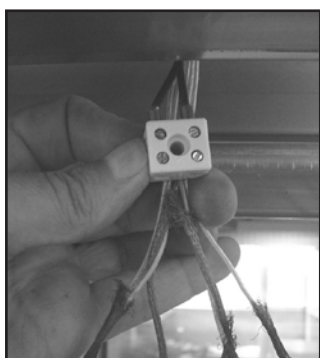
CERAMIC ELEMENT



1. Remove the rotor discs, suction and fan plate according prior procedures.
2. Remove the 3 screws that secure the reflector ass. and lower the reflector.
3. Loosen the bolts that secure the cover plate and turn the cover plate open towards yourself.
4. Lower the reflector until the connector is on the inside of the cabinet.
5. Remove the wiring of the ceramic element on the connector.
6. Remove the ceramic element from the reflector by sliding off the clip.
7. Reverse the procedure to install.

Note: On a single unit or on the top side of a stacked unit it is easier to remove the top plate and access the connector from this side.

HALOGEN LAMP HOLDER



1. Remove the screws that secure the lamp holder.
2. Lower the lamp holder until the connector is on the inside of the cabinet.
3. Remove the glass and lamp from the lamp holder. Turning direction of glass is counter clockwise.
4. Remove the wiring of the lamp on the connector.
5. Remove the holder. You have to deform the holder to take it out.
6. Insert a new holder and click this in.
7. Reverse the procedure to install.

Note: On a single unit or on the top side of a stacked unit it is easier to remove the top plate and access the connector from this side.

TRANSFORMER HALOGEN LAMPS



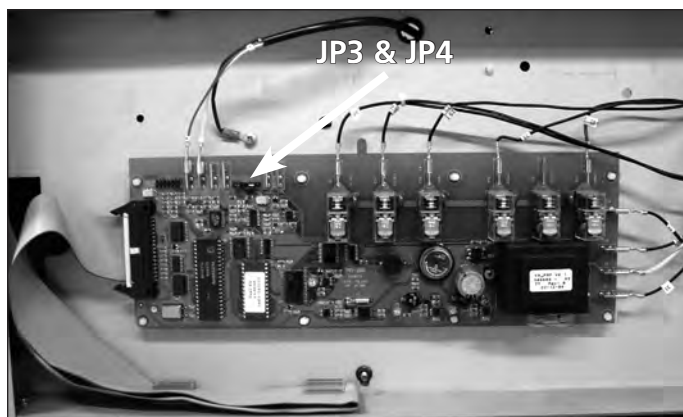
1. Remove the right side panel according prior procedure.
2. Remove the wiring.
3. Remove the screws that secures the transformer (bottom side) and remove the transformer.
4. Reverse the procedure to install.

ELECTRONIC TRANSFORMER HALOGEN LAMPS (TILL SERIAL NUMBER 100044773)



1. Remove the right side panel according prior procedure.
2. Remove the screw that secures the cover plate and remove the cover plate.
3. Remove the wiring.
4. Remove the screw that secures the transformer and remove the transformer.
5. Reverse the procedure to install.

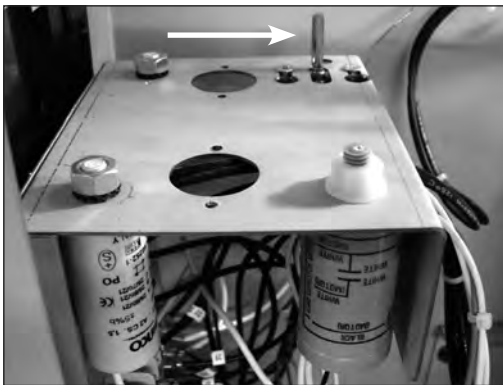
POWER AND I/O BOARD



1. Remove the right side panel according prior procedure.
2. Disconnect wiring and flatcable on the board.
3. Remove the board from the clips by pressing the clips together.
4. Reverse the procedure to install.

Note: When installing new board, ensure that JP3 and JP4 on new board are set the same as on the old board.

HIGH LIMIT THERMOSTAT



1. Remove the right side panel according prior procedure.
2. Remove the suction and fan plate on the inside of the oven.
3. Remove the thermostat-probe from the clip in the oven and guide it outside through the opening in the side wall.
4. Remove the screws on the electric panel that secure the thermostat.
5. Remove the thermostat and disconnect the wiring.
6. Reverse the procedure to install.

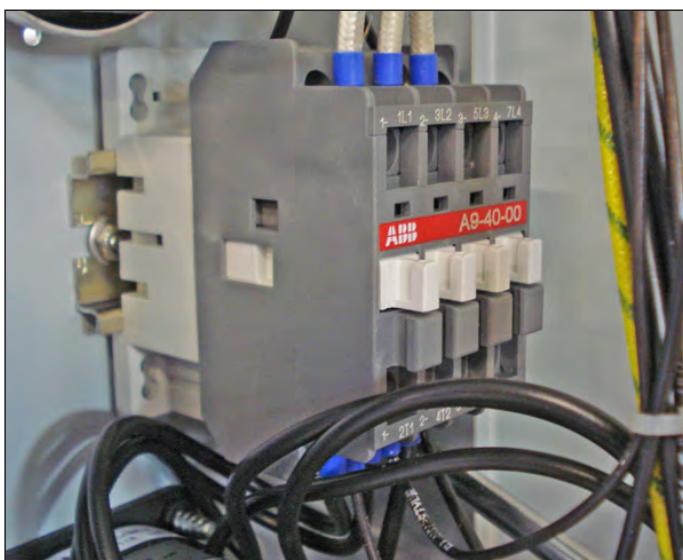
Note: Set the new high limit thermostat to its maximum position.

MAIN SWITCH



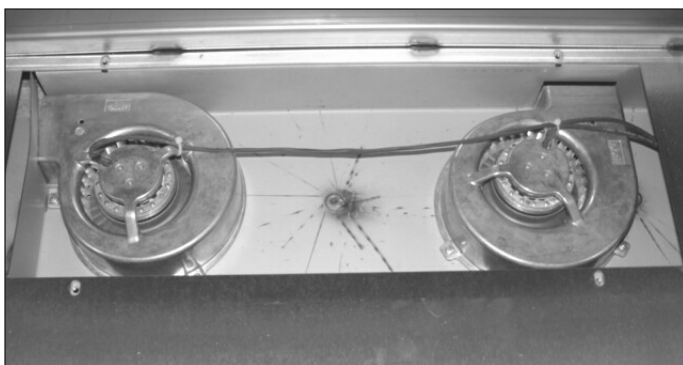
1. Remove the instrument panel according prior procedure.
2. Loosen the screws on the electric panel that secure the switch.
3. Remove the switch and disconnect the wiring.
4. Reverse the procedure to install.

CONTACTOR



1. Remove the right side panel according prior procedure.
2. Disconnect the lead wires to the contactor.
3. Push the locking tab down with a screw driver and lift the contactor out to remove it from the mounting bracket.
4. Reverse the procedure to install.

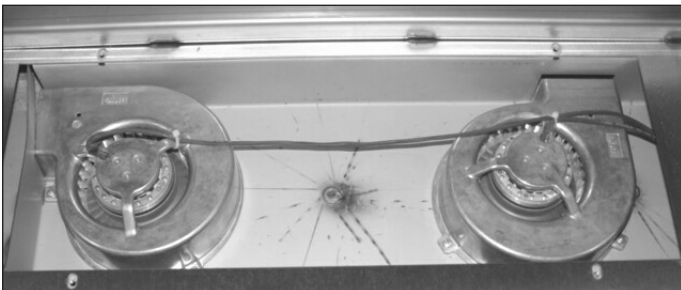
BLOWER MOTOR



1. Remove the right side panel and the top cover according to prior procedures.
2. Remove the rotor discs, suction and fan plate in the oven.
3. Remove the wing nut on the fan blade and remove fan blade. (Left handed threads)
4. Disconnect wiring of the motor.
5. Remove the screws that secure the motor and remove the motor.
6. Reverse the procedure to install.

Note: The blowers are equipped with a capacitor of 1,5 uF. Check the direction of rotation of the motor (clockwise, see arrow) and change the wiring if necessary.

BLOWER MOTOR BOTTOM ROTISSERIE (STACKED STG8 P)



1. Remove the right side panel according prior procedures.
2. Remove the rotor discs, suction and fan plate on the ceiling inside the bottom oven.
3. Remove the wing nut on the fan blade and remove fan blade. Left handed threads.
4. Remove fat drawer from the upper oven.
5. Remove the bolts that secure the intermediate plate and remove this plate.
6. Remove the drip trays from the upper oven.
7. Remove the bolts that secure the top plate and remove the top plate.
8. Disconnect the wiring of the motor.
9. Remove the screws that secure the motor and remove the motor.
10. Reverse the procedure to install.

Note: The blowers are equipped with a capacitor of 1,5 uF. Check the direction of rotation of the motor (clockwise, see arrow) and change the wiring if necessary.

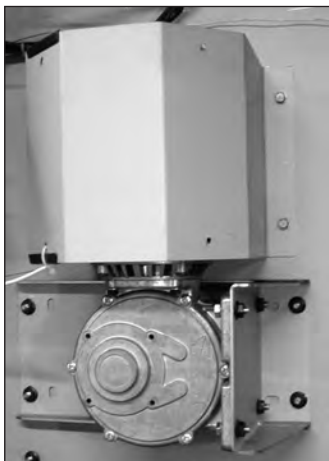
PT500 SENSOR



1. Remove the right side panel according to prior procedure.
2. Disconnect the wiring of the sensor.
3. Remove the screw that secures the sensor and remove the sensor.
4. Reverse the procedure to install.

Note: The wiring cable is an insulated cable with an earthing screen.

DRIVE MOTOR



1. Remove the right side panel and rotor discs according prior procedure.
2. Disconnect the wiring of the motor. Check where the wire, marked A is connected.
3. Remove the screws that secure the fan cover and remove the cover.
4. Set the drive arm in a position vertical downwards. This can be done electrically by pushing the rotor key or manually by turning the fan blade by hand.
5. Note down how far the drive arm sticks out from the inner wall (see white arrow).
6. Mark the position of the motor on the support and the support on the side wall with a marker.
7. Remove the bolts that secure the motor and the nuts that secure the motor support and remove the motor.
8. Check the white Teflon ring. Replace this if necessary.
9. Check the position of the red gasket between motor support and the side wall. Replace this if necessary.
10. Install the fan blade of the old motor on the new motor.
11. Reverse the procedure to install.

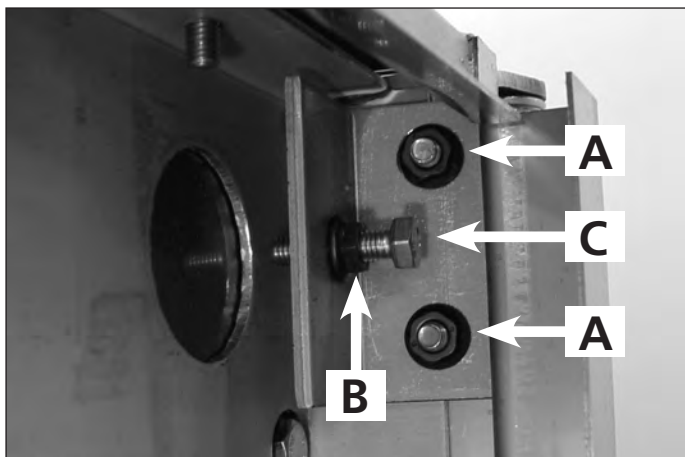
Note: Always make a test run of 15 minutes on maximum temperature to insure the motor is well mounted and adjusted and turns parallel to the side wall.

HEATING ELEMENT



1. Remove the rotor discs, right side panel, suction and fan plate according prior procedures.
2. Disconnect the wiring from the element.
3. Remove the mounting nut.
4. Remove the element from the mounting clip and pull it from the wall.
5. Reverse the procedure to install.

DOOR ADJUSTMENT (LEFT SIDE)



1. Remove the left side panel according prior procedure.
2. Loosen the nuts (A) of the upper hinge. The door must be closed.
3. Loosen the locknut (B) and adjust the bolt (C) in or out to adjust the door.
4. Tighten the nuts of the hinge and mount the left-hand panel.

DOOR GLASS INSIDE



1. Lift the door upward out of the hinges and place on a table.
 2. Remove the cap nuts and rings on the profiles of the door.
 3. Remove the profiles from the glass.
 4. Mount the profiles on the new glass. Do not forget the teflon rings of 2 mm inside the holes.
 5. Mount the cap nuts and rings.
- Note!** Tightening of nuts max. 6 Nm.
6. Place the door in the hinges.

DOOR OUTSIDE



1. Lift the inner door out of the hinges and lay this aside.
2. Remove the left side panel according prior procedure.
3. Remove the 2 nuts behind the upper hinge and loosen the locknut according prior procedure. The door must be closed.
4. Hold the door on both sides and move this towards yourself, before lifting it out of the hinge on the bottom side. See to it that the washers stay on the hinge.
Iso remove the top hinge.
5. Place the top hinge on the new door.
6. Place the new door on the hinge on the bottom side and push the 2 studs on the top hinge through the openings on the top side and screw the nuts on it .
7. Adjust the door according prior procedure.

Note: Tightening of nuts max. 6 Nm. or 4.5 lbf.ft



ELECTRICAL TESTS AND SERVICE PROCEDURES

WARNING: Disconnect the electrical power to the machine at the main circuit box. Place a tag on the circuit box indicating the circuit is being serviced.

HEATING ELEMENT TEST

Note: When testing the resistance of the element remove the wiring.

Type	Wattage/Voltage	Resistance Ω -5% + 10%	Current A
STG8 P	3100 / 208 3100 / 230	14.0 17.0	14.9 13.4
STG8 P	500 / 230	105.0	2.2 (2.0 at 208V)

CONTACTOR, DRIVE MOTOR AND BLOWER TEST

Note: When testing the resistance remove the wiring.

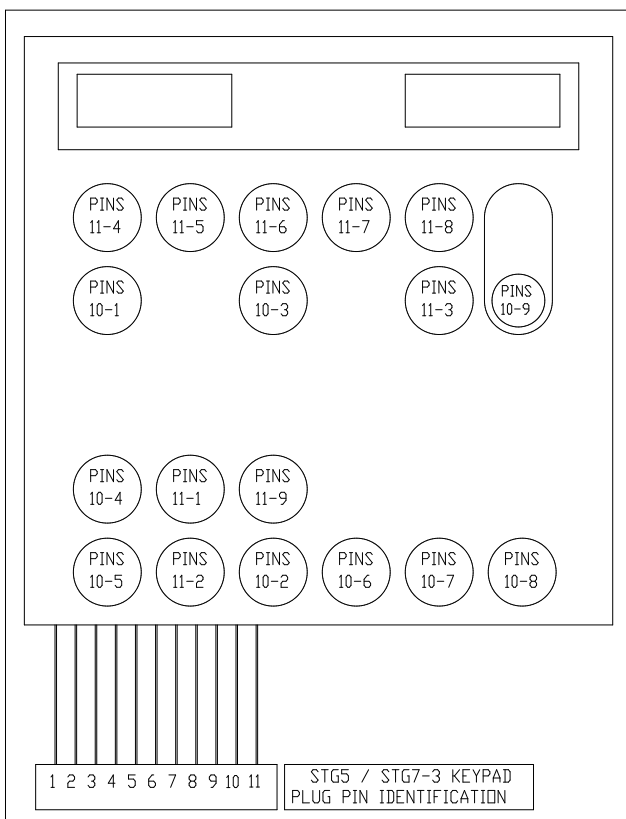
Type	Description	Voltage	Resistance Ω
STG 8	Contactator	208 / 230	Resistance of coil (A1 - A2) ~ 525
STG 8	Drive motor	208 / 230	Between white A and white wire ~ 234 Between white A and brown wire ~ 117 Between white and brown wire ~ 117
STG 8	Blower	208 / 230	Between brown and black wire ~ 500 Between blue and brown wire ~ 310 Between blue and black wire ~ 190

PT500 SENSOR TEST

Temperature		Resistance
°F	°C	± 5 Ohms
60	16	531
70	21	541
80	27	553
90	32	562
100	38	574
125	52	601
150	65	626
200	94	681
250	121	732
350	177	837
450	233	940

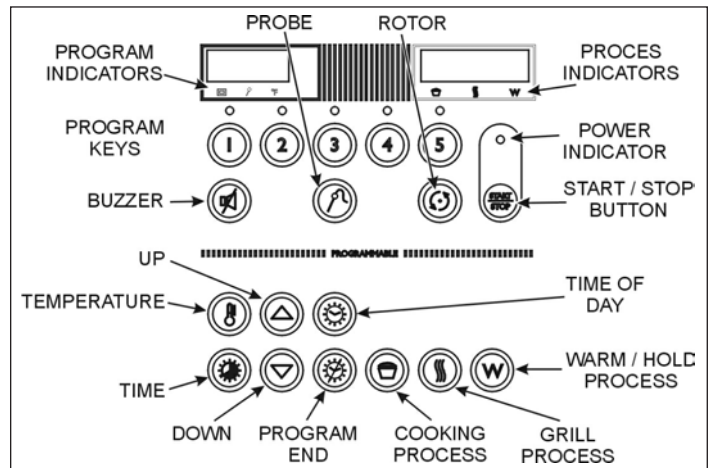
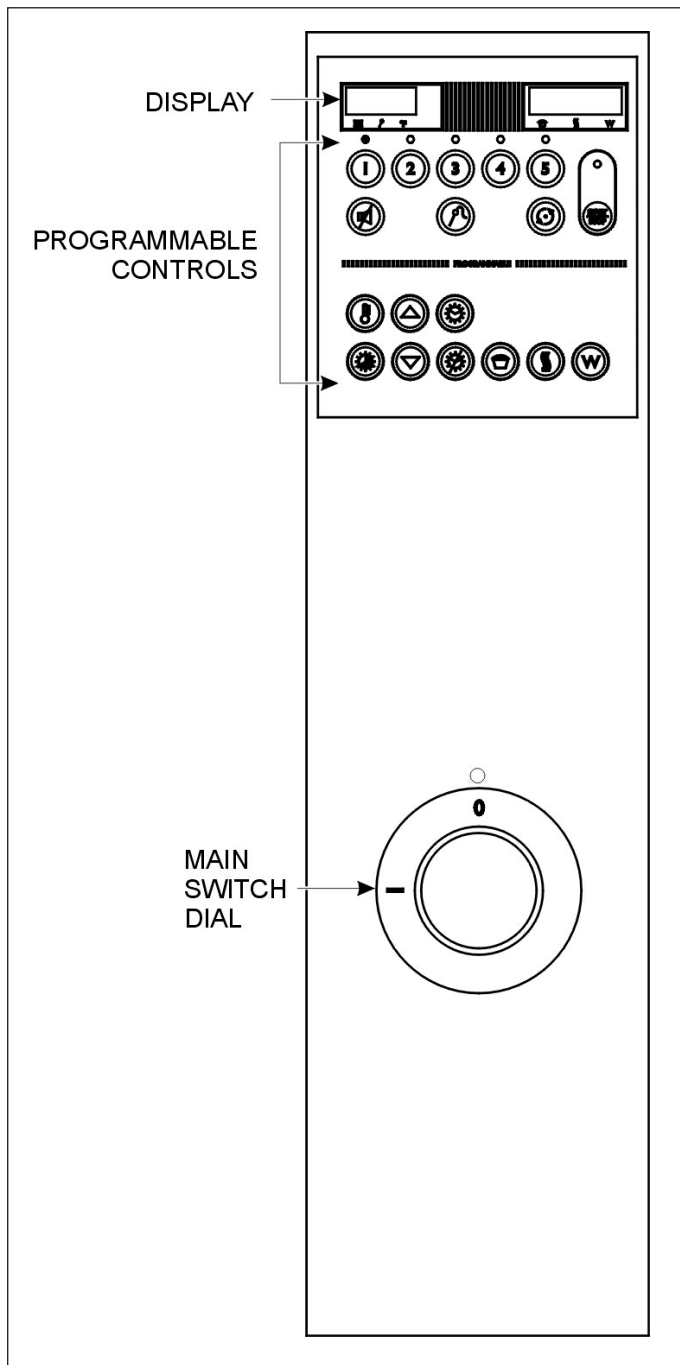
1. Remove the right side panel according prior procedure.
2. Remove the wiring from the sensor.
3. Connect a temperature sensor to the probe for comparison.
4. Test the probe with an Ohmmeter.

KEYPAD TEST



1. Remove the instrument panel according prior procedure.
2. Remove the display according prior procedure.
3. Remove the nuts that secure the panel with foil and remove panel.
4. Use a multimeter to test. Connect the measuring pins to the cable plug pins for each key to be tested as indicated in the diagram. You can set the multimeter on a beep signal or set it on resistance measuring. Press the key to be tested and the meter should give a beep signal or indicates a resistance less than 200 Ohms.

CONTROL LOCATION



GENERAL TROUBLESHOOTING LIST

TROUBLESHOOTING THE STG 8 P ROTISSERIE

Symptom	Possible causes
No power to oven controls.	1. Main breaker open. 2. Fuse F1 burned. 3. Main switch malfunction. 4. Wiring loose.
Main fuse or breaker blows.	1. Wiring incorrectly. 2. Heating element, drive motor, blower or contactor switch shorted. 3. Wiring shorted.
Drive motor does not run in program mode.	1. Capacitor malfunction. 2. Wiring loose. 3. Main switch malfunction. 4. Motor malfunction.
Drive motor stops and runs again after a certain period.	1. Thermal protection activated (105°C / 220°F). This shuts off after the temperature is below 105°C / 220°F.
Blower motor does not run.	1. Capacitor malfunction. 2. Motor inoperative. 3. Power board malfunction (relay). 4. Wiring loose.
Blower motor stops and runs again after a certain period.	1. Thermal protection activated (150°C / 302°F). This shuts off after the temperature is below 150°C / 302°F.
Overttemperature differs from temperature setting in program mode.	1. Incorrect line voltage. 2. Safety thermostat malfunction. 3. Safety thermostat probe not in right position. 4. Blower motor(s) inoperative (turning direction?) 5. Electronic control inoperative. 6. PT-500-sensor malfunction. 7. Dirty fanguard or fanblade(s).
All heating elements out, one quartzlamp and blowers operate while oven cavity is below set temperature.	1. Safety thermostat malfunction. 2. Contactor inoperative. 3. Power board malfunction. 4. Wiring loose.
Oven temperature does not reach desired temperature in program mode.	1. Safety thermostat malfunction. 2. Safety thermostat probe not in right position. 3. Contactor inoperative. 4. PT-500-sensor malfunction. 5. Electronic control inoperative. 6. Heater(s) inoperative. 7. Incorrect line voltage.
No display and/or keypad does not function.	1. Main braker on L1 open. 2. Loose flatcable from display to electronic control. 3. Fuse F4 (63mA) burned. 4. Fuse F1 (10A) burned. 5. Display and/or electronic control malfunction. 6. Keypad malfunction.
Count down clock does not count down during cooking process.	1. Christal of real time clock is broken. Change power board.
Halogen lamp(s) do not light up.	1. Lamp(s) broken. 2. Wiring loose. 3. Transformer malfunction.

ANALYTIC TROUBLESHOOTING LIST

SERVICING AND REPAIRING OF THE ROTISSERIE STG 8 P

This is an analytic description for servicing and repairing all major parts of the rotisseries and warmers. It consists off 4 basic steps to recognize and solve the problems. These steps are:

1. Symptoms.
2. Possible causes.
3. Solving of the problem: checking/action.
4. Replacing of parts and testing.
 - a. Replacing is described in the service manual.
 - b. For testing see programming of rotisserie on page 5 in this manual.

Description of part	Symptoms	Possible causes	Solving: checking/action
Inside door	Broken glass	Slamming of door.	Give instruction to operator.
		Fastening bolts and nuts are loose.	Tighten all fastenings.
		No sealing ring between steel and glass.	Mount new glass with sealing rings between glass and steel.
Outside door	Broken glass	Slamming of door.	Give instruction to operator.
		Fastening bolts and nuts are loose.	Tighten all fastenings.
		No sealing ring between steel and glass.	Mount new glass with sealing rings between glass and steel.
	Door adjustment	Door not well adjusted and closes against bottom side.	Adjust door on hinge and tighten the hinge plate.
Transformer	Lamps don't light up	Wiring.	Check the wiring. Check the power on the transformer.
		Transformer malfunction.	Check the 11.6V outgoing signal on the transformer.
		Relay on power board.	Check power on relay X18.

Description of part	Symptoms	Possible causes	Solving: checking/action
Heating element	Rotisserie doesn't reach adjusted temperature Duration of grilling time is too long	Wiring. Element malfunction. Wiring. Element malfunction.	Check the wiring. Check the power on the element. Check the current with AC current tester. See table on page 22. Check the wiring. Check the current with AC current tester. See table on page 22.
PT-sensor	Temperature indication on display runs up very fast and over the maximum of 250°C -482°F / 290°C - 550°F in 20 seconds) Temperature indication on display doesn't go up and stays on Prh Rotisserie doesn't reach adjusted temperature Temperature indication on display runs up too fast.	No connection between wires. Full contact between wires of sensor. Short circuit in sensor. Malfunction sensor. Sensor not in right position. Malfunction sensor.	Check the wiring. Check thin wire on sensor. Check the wiring. Measure resistance of sensor. This is zero. Measure resistance of sensor with a thermometer probe next to the sensor. See table on page 23. Check position of sensor. Measure resistance of sensor. See table on page 23.
Safety thermostat	Contactors doesn't come in after starting of program Contactors switches off before reaching the adjusted temperature in program	Wiring. Thermostat malfunction. Thermostat malfunction. Thermostat probe not in right position.	Check the wiring. Check if the thermostat is making contact. Check if the thermostat is turned fully clockwise (contact closed). Check the position of the thermostat probe.
Main switch	No power to all, or some oven controls Switch comes in, but one or more functions from the switch don't work.	Wiring. Malfunction of the cams on the switch. Contacts burned.	Check the wiring on the switch. Check the cams. Check the wiring. Check the power on all contacts. Check the contacts of the switch.

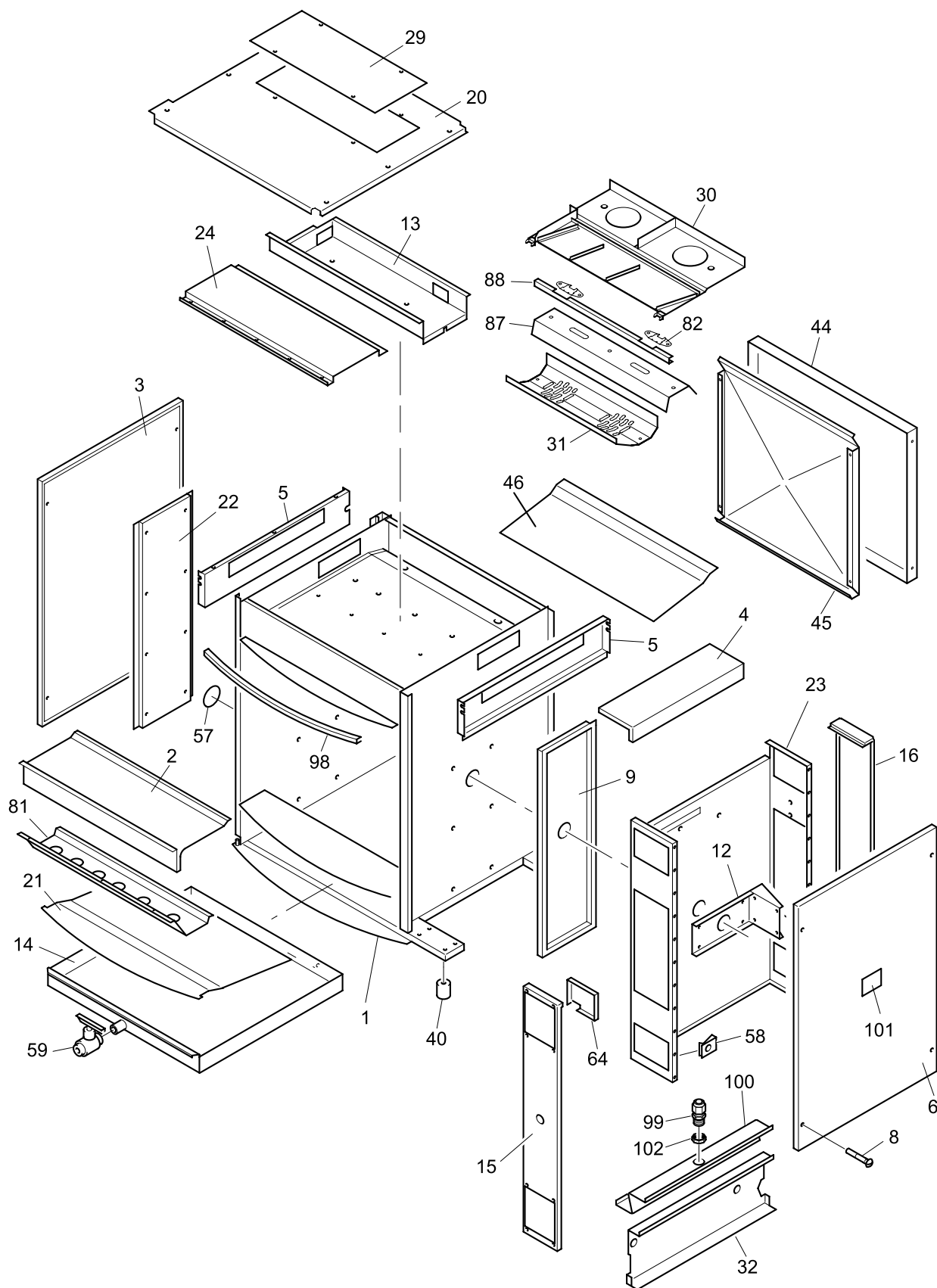
Description of part	Symptoms	Possible causes	Solving: checking/action
Contactor	Contactor doesn't come in	Wiring. Coil malfunction. Contact burned. Thermostat malfunction.	Check the wiring. Check resistance of the coil. See table on page 22. This should be 525Ω. Check the contacts of the contactor. Check thermostat (see safety thermostat)
Keypad on display	No possibility to make a program	Permanent contact of one, or more, membrane keys. Some keys don't function.	Check key functions. Check functions of key path. See table on page 23. Check grey flat cable connection. Check green flat cable connection. Check functions after connecting a new grey flat cable.
Display and power board	No illumination on display Some functions don't work or stay activated No possibility to make a program	Wiring. Fuse burned. Flat cable. Display malfunction. Power board malfunction. Relay malfunction. Power board malfunction.	Check the wiring. Check the power on the board. Check the 63 mA fuse on the power board. Replacing of fuse for 100 mA is permitted. Check grey flat cable connection. Check functions after connecting a new grey flat cable. Check power to display on connector J1 of power board. 5V DC between pin 30 and 32 or between 31 and 33. Check functions after connecting a new display board. Check functions after connecting a new power board. Check relay on function with problem. Check functions after connecting a new power board.

Description of part	Symptoms	Possible causes	Solving: checking/action
Capacitor	Drive motor or blower don't work	Wiring. Capacitor malfunction.	Check the wiring. Check function after connecting a new capacitor. Checking of capacitor: Discharge capacitor with screwdriver. Set meter on MΩ and connect the pins of the meter on contacts, value runs up. Change the pins on contacts, value runs up again. This means the capacitor is OK.
Drive motor	Motor doesn't run Motor runs after starting it up by hand Motor stops during process and comes in again after a period of time Fuse F1 or F2 burned	Wiring. Coil malfunction Reduction gearbox. Relay on power board. Capacitor malfunction. Coil overheated, thermistor switches off (105°C – 221°F). Short circuit in coil to earth	Check the wiring. Check the power to the motor. Check resistance of the coils. See table on page 22. Between whiteA and white wire 234Ω Between whiteA and brown wire 117Ω Between white and brown wire 117Ω. Check if reduction gearbox is blocked. Check power on relay X14. Check capacitor (see capacitor) or connect new capacitor. Check position of fan blade. Air is sucked up over the motor. Check cooling circuit of motor. Check if rotisserie is close to another heat source. Measure temperature motor during process. Check insulation value of coil with Megger on 500V. Minimum value is 0.5 MΩ.

Description of part	Symptoms	Possible causes	Solving: checking/action
Blower	Blower doesn't run	Wiring.	Check the wiring. Check the power on the blower.
		Coil malfunction.	Check resistance of the coils. See table on page 22. Between blue and brown wire = 310Ω Between blue and black wire = 190Ω Between brown and black wire = 500Ω.
		Relay on power board.	Check power on relay X9 and X10.
	Blower runs after starting it up by hand	Capacitor malfunction.	Check capacitor (see capacitor) or connect new capacitor.
	Blower stops during process and comes in again after a period of time	Coil overheated, thermistor switches off (150°C – 302°F).	Check cooling circuit of blower. Check if rotisserie is close to another heat source. Measure temperature blower during process.
	Temperature indication on display runs up very fast (180°C - 355°F after 5 minutes) Fuse F1 burned	Blower doesn't turn and heat stays in top of cavity Short circuit in coil to earth	Check the wiring. Check the power on the blower. Check insulation value of coil with a Megger on 500V. Minimum value is 0.5 MΩ.

EMPTY PAGE

STG8 P SOLID BACK - SHEET IRON WORK



Item	Partnumber	Qty.	Description
2	9170525	1	Heat shield
3	9170419	1	Side panel, left
4	9174005	1	Cover, removable
5	9170421	2	Side panel, top
6	9170531	1	Side panel, right
8	4288322	8	Screw M5 x 10, SS socket button head
9	9170425	1	Reinforcement, side plate, right
12	9170444	1	Support, gear motor
13	9170650	1	Mounting plate, blower
14	9170451	1	Drawer
15	9170544	1	Operation panel
16	9174031	1	Panel, customer side
20	9174004	1	Cap, top
21	9174010	1	Bottom plate, stainless steel
21	9172202	1	Bottom plate, coated
22	9174013	1	Reinforcement, side plate, left
23	9174015	1	Cover plate, machine components
24	9174016	1	Ceiling
29	9174099	1	Cover, removable
30	9170526	1	Cover plate, blower
31	9174627	1	Air guide plate
32	9174034	1	Mounting plate
40	9171125	4	Leg, rubber 50 mm
40A	9011260	4	Leg, rubber 40 mm (till 01-01-2008)
44	9170505	1	Back wall, outside
45	9174681	1	Back wall, inside stainless steel
46	9174280	1	Bottom plate, stainless steel
46	9172232	1	Bottom plate, coated
57	9112430	4	Washer, insulation support
58	9172053	8	Nut
59	9171008	1	Drain-tap with handle
64	9174146	1	Protection plate, electric components
81	9174642	1	Lamp holder
82	9170651	2	Cover plate
87	9174641	1	Reflector
88	9174643	1	Bracket, reflector
98	9172116	1	Sealing profile, Silicon L= 71 cm
99	9261022	1	Strain relief M25
100	9174140	1	Spark catcher
101	9110810	1	Indication plate
102	9261023	1	Connector M25

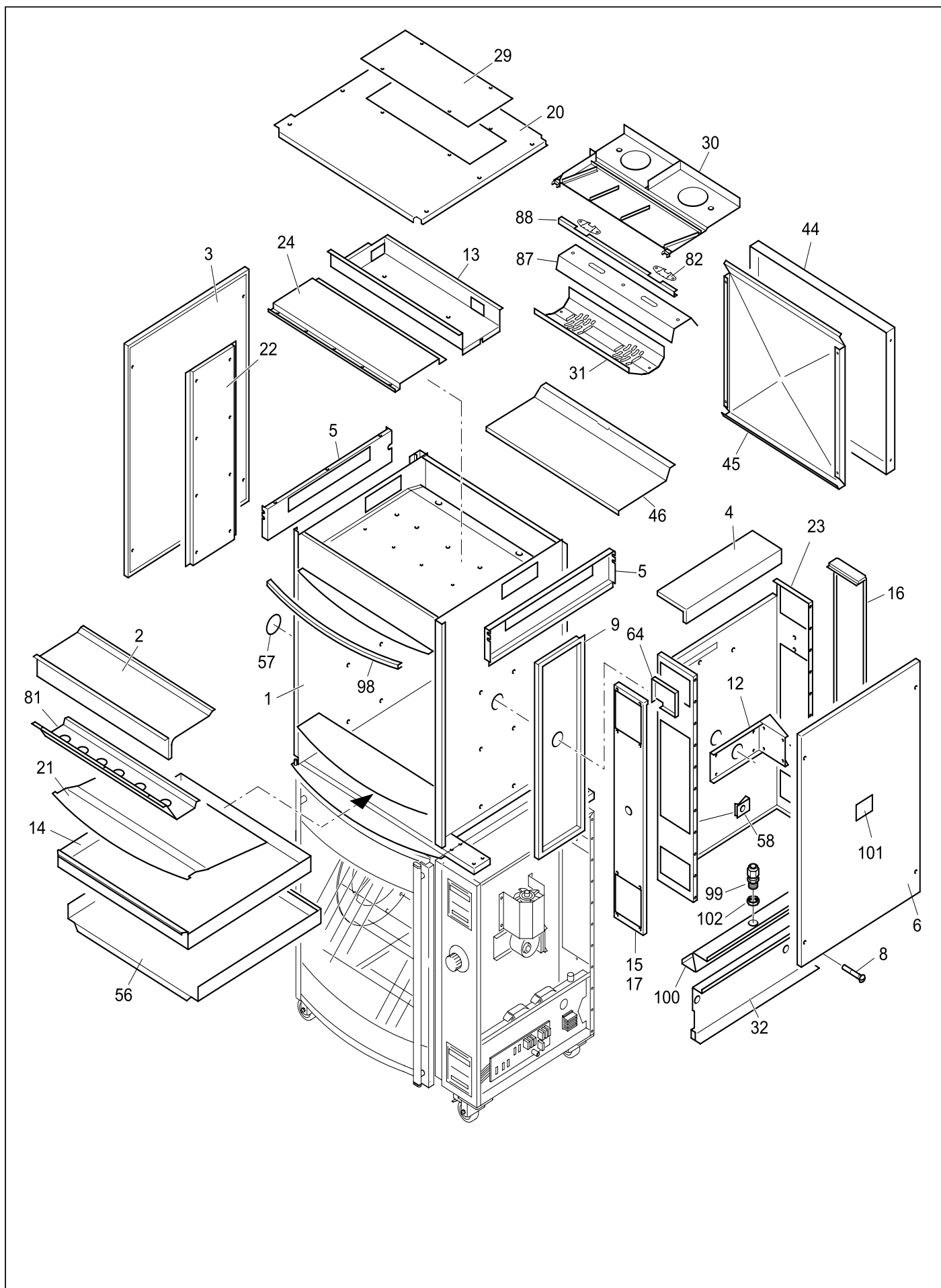
This exploded view diagram illustrates the assembly of a mechanical unit, likely a control panel or a specialized enclosure. The components are numbered as follows:

- Top Section:** Includes parts 38-1 through 38-6, 43, 47, 72, 72-1, 73, 74, and 97.
- Central Assembly:** Features two circular components (18-1, 18-2, 18-3, 18-4, 18-5, 18-6) and a central frame (18).
- Left Side Components:** Includes parts 39-1 through 39-10, 39-S, 39, 39.5, 39.6, 39.7, 39.8, 39.9, 39.10, 39.11, 39.12, 39.13, 39.14, 39.15, 39.16, 39.17, 39.18, and 11.
- Right Side Components:** Includes parts 41, 41-1, 41-2, 49, 52, 53, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 70-1, 70-2, 70-3, 70-4, 70-5, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811

Item	Partnumber	Qty.	Description
11	9170427	1	Hinge, left
18	9172274	1	Rotorset ass., stainless steel
18-1	9070272	1	Rotor shaft, ass.
18-2	9174623	2	Rotor disc
18-3	4288231	12	Tensilock bolt M5x10, stainless steel
18-4	9172169	14	Support pin, stainless steel
18-5	0142056	28	Spring washer M8, support pin, stainless steel
18-6	4312271	28	Nut M8, support pin, stainless steel
34	9173051	1	Electric panel, ass.
34-1	0166555	1	Earth symbol
34-2	8033659	1	Connecting block, 9-pol.
34-5	9044564	1	Connecting block, 1,2,3
34-6	9044572	1	Connecting block, 4,5,6
34-7	9070531	1	Thermostat 50-250 °C
34-8	9070840	2	Grommet
34-9	3500069	1	Contacto
34-10	9077088	1	Bracket, magnetic switch
34-11	9077101	1	Capacitor 2,5 uF
34-11A	9077102	1	Capacitor 3 mF (till serial nr. 100061450)
34-12	9110030	2	Capacitor 1,5 mF
34-15	9174106	1	Electric panel
34-16	9171140	1	Main switch
34-16A	9172328	1	Main switch (till serial nr. 100050804)
34-16B	9172057	1	Main switch (till 31-12-2006)
35	9174161	1	Protection support
36	9110797	1	Sealring, drive bearing
37	9173004	1	Gearmotor, complete with drive arm and capacitor 2,5 uF
38	9179862S	1	Door inside, ass.
38-1	9172001	1	Glass, inner
38-2	0211520	2	Bolt M5 x 12 ss hexagon head
38-3	9170423	1	Hinge profile
38-4	3702341	8	Flange bush, PTFE 2 mm
38-5	9174029	2	Cover profile, inner glass
38-6	4285408	4	Nut, M5
38-7	9174633	1	Profile
38-8	9070141	10	Magnet block
38-9	9174632	1	Holder, magnet
38-10	9172291	2	Spacing pin
39.5	9179861S	1	Door service side, ass.
39	9172115	1	Glass black, outer incl. hinge profile
39-1	9172019	1	Glass black, outer
39-2	9170535	1	Hinge profile
39-3	9172079	2	Protection profile
39-4	9172054	2	Brass bearing 8 mm
39-5	9172122	2	Brass bearing 8 mm, adjusted
39-6	4288321	2	Screw M5 x 16, SS socket button head
39-7	3702342	8	Flange bush, PTFE 3 mm
39-8	4311110	2	Washer

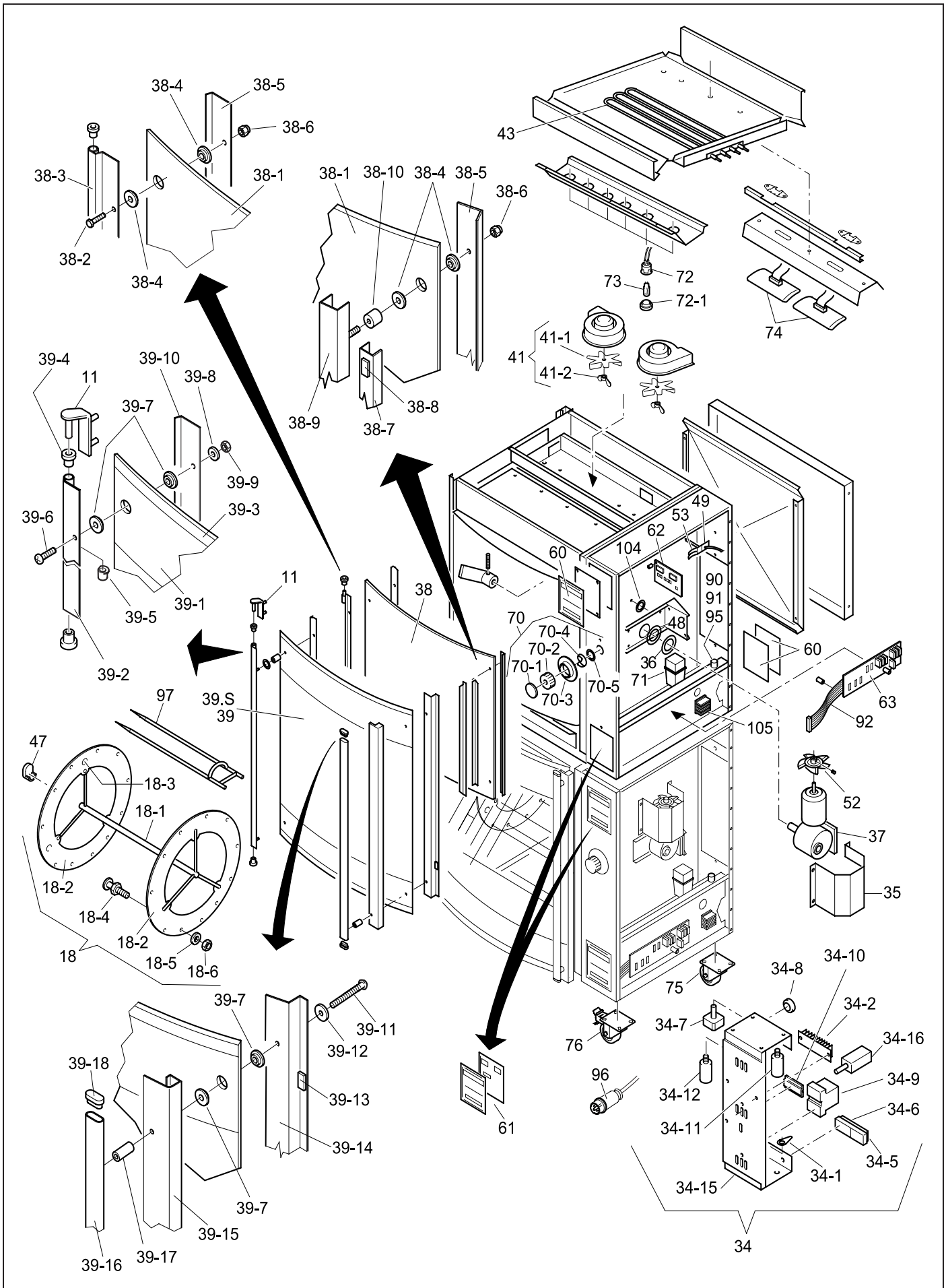
Item	Partnumber	Qty.	Description
39-9	0144359	2	Nut, self locking M5
39-10	9174022	1	Mounting profile, hinge side
39-11	4288320	2	Screw M5x45 SS
39-12	9174680	2	Washer
39-13	9070141	12	Magnet block
39-14	9174631	1	Fastening, door handle
39-15	9170536	1	Profile, magnet
39-16	9174131	1	Door handle
39-17	9172300	2	Spacing pin
39-18	9171014	2	Plug, door handle
41	9140027	2	Blower
41-1	9141934	2	Fan blade
41-2	9073150	2	Wingnut, left hand threaded
43	9044653	3	Heating element , 3100 W
47	9172063	1	Steel bearing, 14 mm
48	9073131	1	Sealing ring
49	9070094	1	Temperature sensor
50	9172259	1	Rotor disc, right, coated, incl. support pins
51	9172258	1	Rotor disc, left, coated, incl. support pins
52	2000072	1	Fanblade, gearmotor
53	9044140	1	Sensor cable
60	9172040	2	Name plate Fri-Jado, foil + back-plate
61	9172045	1	Keypad + backplate
62	9110242	1	Display
63	9110276	1	Power and I/O board
70	9173017	1	Main power knob assembly
70-1	9172049	1	Cover, knob
70-2	9172021	1	Control knob, grey
70-3	9172037	1	Back plate, main switch 0-1
70-4	9172052	1	Locking ring, knob
70-5	9110802	1	Plug, TG
71	3701023	1	Transformer 200 W, Halogen lamps
71A	3701026	2	Transformer, Halogen lamps (till serial number 100044773)
72	9171135S	6	Lamp holder, incl. glass
72A	9171078	6	Lamp holder, incl. glass (till serial number 100043535)
72-1	9171136	6	Glass lamp holder
72A-1	9171126	6	Glass lamp holder (till serial number 100043535)
73	3701052	6	Halogen lamp 20W, 12V/300°C
74	9044650	2	Heating element, Ceramic, 500 W
90	9110026	2	Fuse holder
91	9110025	2	Fuse housing
92	9172113	1	Flatcable, 34-pol. (P)
95	9171120	2	Fuse 5x20, ceramic T10A
96	9070028	1	Connecting cable with plug
97	9172153	8	Meatfork STG 7 (8mm.)
104	9171018	3	Plug
105	9151010	1	Connecting block

STG8 + 8P SOLID BACK - SHEET IRON WORK



Item	Partnumber	Qty.	Description
1		1	Frame, ass.
2	9170525	2	Heat shield
3	9170419	2	Side panel, left
4	9174005	1	Cover, removable
5	9170421	4	Side panel, top
6	9170531	2	Side panel, right
8	4288322	16	Screw M5 x 10, SS socket button head
9	9170425	2	Reinforcement, side plate, right
12	9170444	2	Support, gear motor
13	9170650	2	Mounting plate, blower
14	9170534	2	Drawer
15	9170540	1	Operation panel, top
16	9174031	2	Panel, customer side
17	9170541	2	Operation panel, bottom
20	9174646	2	Cap, top
21	9174010	2	Bottom plate, stainless steel
21	9172202	2	Bottom plate, coated
22	9174013	2	Reinforcement, side plate, left
23	9174015	2	Cover plate, machine components
24	9174016	2	Ceiling
29	9174099	2	Cover, removable
30	9170526	2	Cover plate, blower
31	9174627	2	Air guide plate
32	9174034	2	Mounting plate
44	9170505	2	Back wall, outside
45	9174681	2	Back wall, inside
46	9174280	2	Bottom plate, stainless steel
46	9172232	2	Bottom plate, coated
56	9170481	1	Separation plate
57	9112430	8	Washer, insulation support
58	9172053	16	Nut
64	9174146	2	Protection plate, electric components
81	9174642	2	Lamp holder
82	9170651	4	Cover plate
87	9174641	2	Reflector
88	9174643	2	Bracket, reflector
98	9172116	2	Sealing profile, Silicon L= 71 cm
99	9261022	1	Strain relief M25
100	9174140	2	Spark catcher
101	9110810	1	Indication plate
102	9261023	1	Connector M25

STG8 + 8P SOLID BACK - COMPONENTS



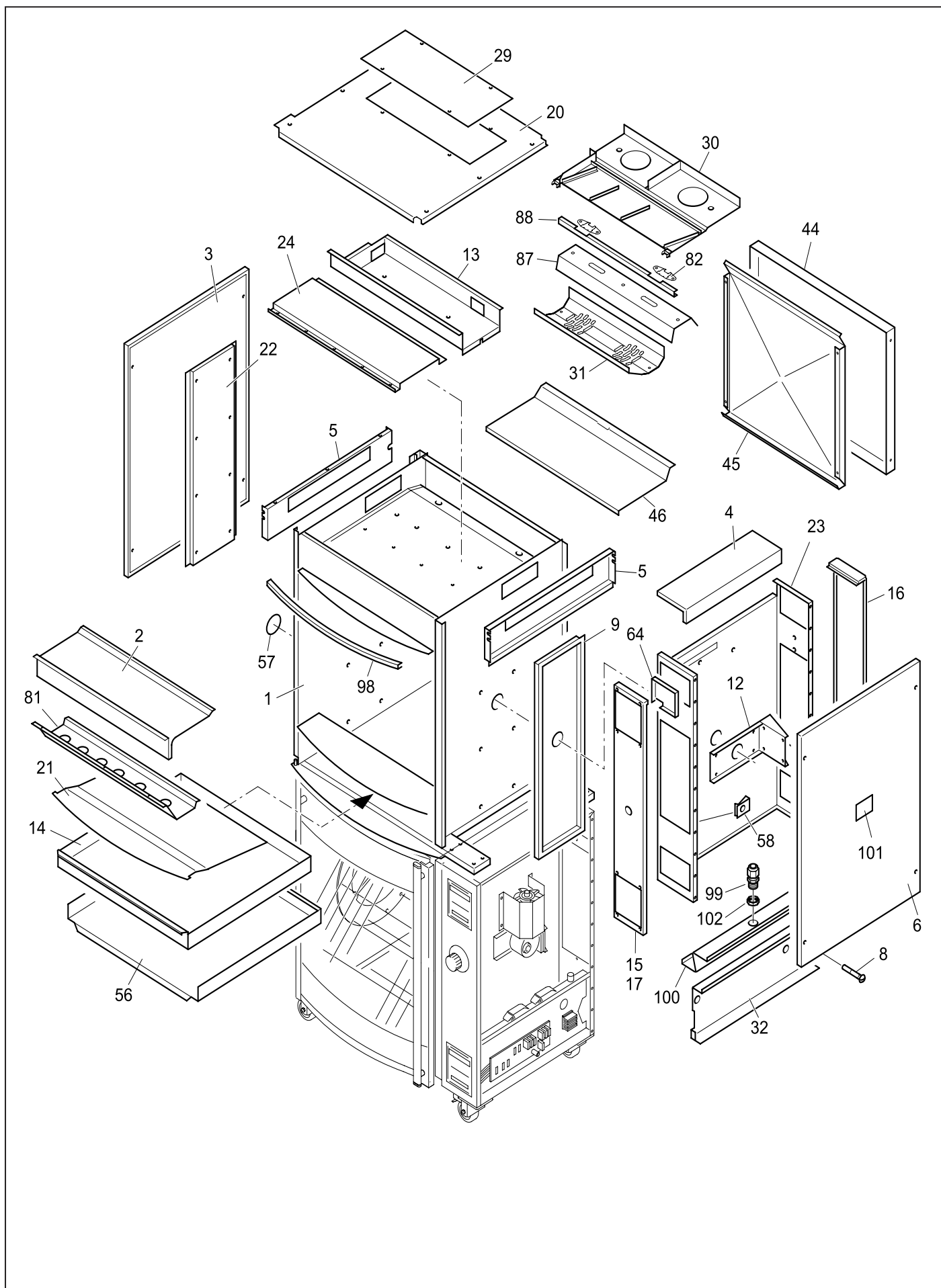
Item	Partnumber	Qty.	Description
11	9170427	2	Hinge, left
18	9172274	2	Rotorset ass., stainless steel
18-1	9070272	2	Rotor shaft, ass.
18-2	9174623	4	Rotor disc
18-3	4288231	24	Tensilock bolt M5x10, stainless steel
18-4	9172169	28	Support pin, stainless steel
18-5	0142056	28	Spring washer M8, support pin, stainless steel
18-6	4312271	28	Nut M8, support pin, stainless steel
34	9173022	2	Electric panel, ass.
34-1	0166555	2	Earth symbol
34-2	8033659	2	Connecting block, 9-pol.
34-5	9044564	2	Connecting block, 1,2,3
34-6	9044572	2	Connecting block, 4,5,6
34-7	9070531	2	Thermostat 50-250 °C
34-8	9070840	4	Grommet
34-9	3500069	2	Contact
34-10	9077088	2	Bracket, magnetic switch
34-11	9077101	2	Capacitor 2,5 uF
34-11A	9077102	2	Capacitor 3 mF (till serial nr. 100061450)
34-12	9110030	4	Capacitor 1,5 mF
34-15	9174106	2	Electric panel
34-16	9171140	2	Main switch
34-16A	9172328	2	Main switch (till serial nr. 100050804)
34-16B	9172057	2	Main switch, 4-pole (till 31-12-2006)
35	9174161	2	Protection support
36	9110797	2	Sealring, drive bearing
37	9173004	2	Gearmotor, complete with drive arm and capacitor 2,5 uF
38	9179862S	2	Door inside, ass.
38-1	9172001	2	Glass, inner
38-2	0211520	4	Bolt M5 x 12 ss hexagon head
38-3	9170423	2	Hinge profile
38-4	3702341	16	Flange bush, PTFE 2 mm
38-5	9174029	4	Cover profile, inner glass
38-6	4285408	8	Nut, M5
38-7	9174633	2	Profile
38-8	9070141	20	Magnet block

Item	Partnumber	Qty.	Description
38-9	9174632	2	Holder, magnet
38-10	9172291	4	Spacing pin
39.5	9179861S	2	Door service side, ass.
39	9172115	2	Glass black, outer incl. hinge profile
39-1	9172019	2	Glass black, outer
39-2	9170535	2	Hinge profile
39-3	9172079	4	Protection profile
39-4	9172054	4	Brass bearing 8 mm
39-5	9172122	4	Brass bearing 8 mm, adjusted
39-6	4288321	4	Screw M5 x 16, SS socket button head
39-7	3702342	16	Flange bush, PTFE 3 mm
39-8	4311110	4	Washer
39-9	0144359	4	Nut, self locking M5
39-10	9174022	2	Mounting profile, hinge side
39-11	4288320	4	Screw M5x45 SS
39-12	9174680	4	Washer
39-13	9070141	24	Magnet block
39-14	9174631	2	Fastening, door handle
39-15	9170536	2	Profile, magnet
39-16	9174131	2	Door handle
39-17	9172300	4	Spacing pin
39-18	9171014	4	Plug, door handle
41	9140027	4	Blower
41-1	9141934	4	Fan blade
41-2	9073150	4	Wingnut, left hand threaded
43	9044653	6	Heating element, 3100 W
47	9172063	2	Steel bearing, 14 mm
48	9073131	2	Sealing ring
49	9070094	2	Temperature sensor
50	9174623	4	Rotor disc 3 mm, stainless steel
52	2000072	2	Fanblade, gearmotor
53	9044140	2	Sensor cable
60	9172040	4	Name plate Fri-jado, foil + backplate
61	9172045	2	Keypad + backplate

Item	Partnumber	Qty.	Description
62	9110242	2	Display
63	9110276	2	Power and I/O board
70	9173017	2	Main power knob assembly
70-1	9172049	2	Cover, knob
70-2	9172021	2	Control knob, grey
70-3	9172037	2	Back plate, main switch 0-1
70-4	9172052	2	Locking ring, knob
70-5	9110802	2	Plug, TG
71	3701023	2	Transformer 200 W, Halogen lamps
71A	3701026	4	Transformer, Halogen lamps (till serial number 100044773)
72	9171135	12	Lamp holder, incl. glass
72A	9171078	12	Lamp holder, incl. glass (till serial number 100043535)
72-1	9171136	12	Glass, lamp holder
72A-1	9171126	12	Glass, lamp holder (till serial number 100043535)
73	3701052	12	Lamp 20W, 12V/300°C
74	9044650	4	Heating element, Ceramic, 500 W
75	9172065	2	Castor without brake
76	9172066	2	Castor with brake
78	4289966	4	Distance ring, outerglass
90	9110026	2	Fuse holder
91	9110025	2	Fuse housing
92	9172113	2	Flatcable, 34-pol. (P)
95	9171120	2	Fuse 5x20, ceramic T10A
96	9070044	1	Connecting cable with plug
97	9172153	16	Meatfork STG 7 (8mm.)
104	9171018	6	Plug
105	9151010	2	Connecting block

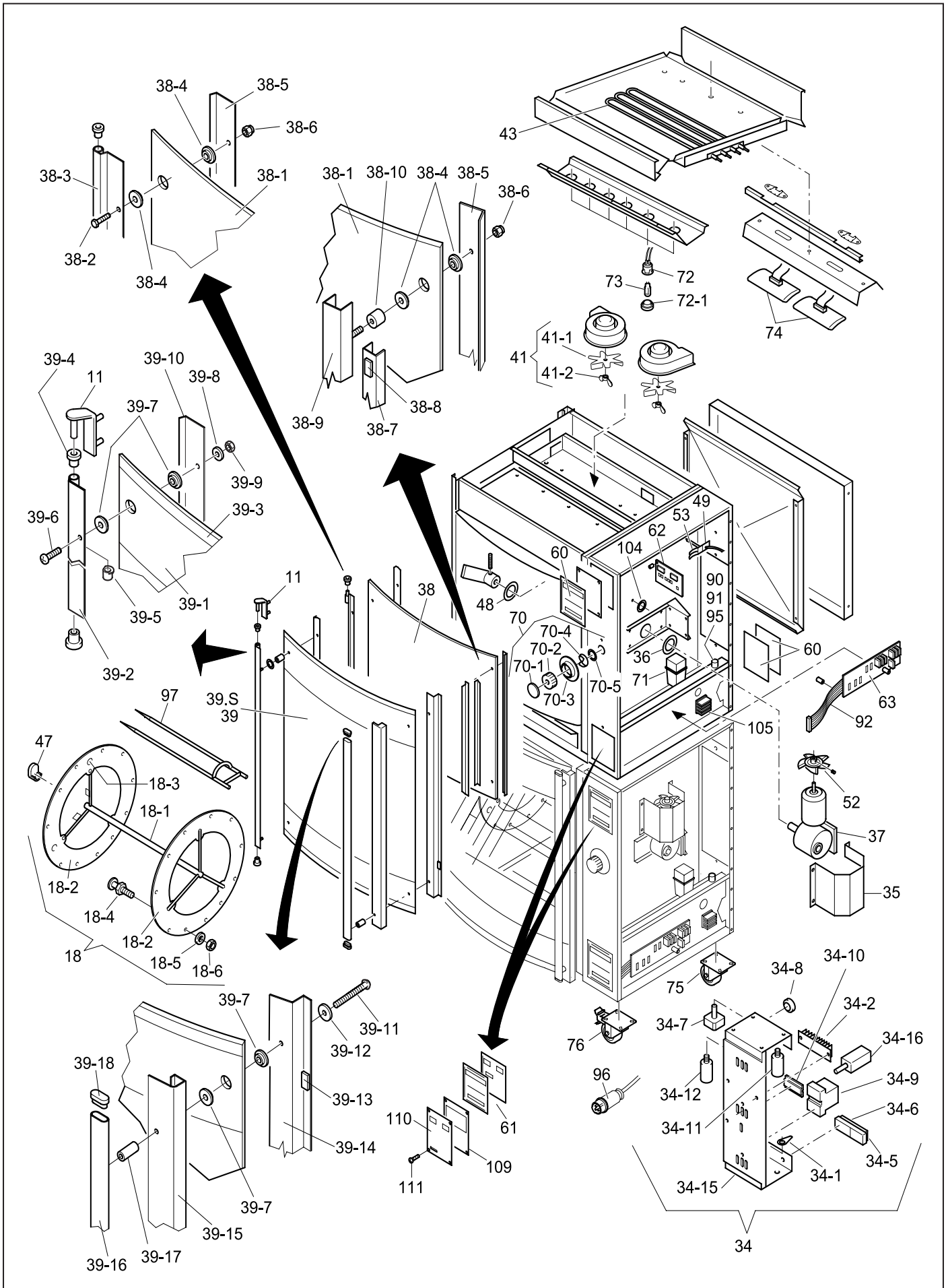
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STG8 + 8P WITH KEYPAD PROTECTION, SOLID BACK - SHEET IRON WORK



Item	Partnumber	Qty.	Description
1		1	Frame, ass.
2	9170525	2	Heat shield
3	9170419	2	Side panel, left
4	9174005	1	Cover, removable
5	9170421	4	Side panel, top
6	9170531	2	Side panel, right
8	4288322	16	Screw M5 x 10, SS socket button head
9	9170425	2	Reinforcement, side plate, right
12	9170444	2	Support, gear motor
13	9170650	2	Mounting plate, blower
14	9170534	2	Drawer
15	9170540	1	Operation panel, top
16	9174031	2	Panel, customer side
17	9170541	2	Operation panel, bottom
20	9174646	2	Cap, top
21	9174010	2	Bottom plate, stainless steel
21	9172202	1	Bottom plate, coated
22	9174013	2	Reinforcement, side plate, left
23	9174015	2	Cover plate, machine components
24	9174016	2	Ceiling
29	9174099	2	Cover, removable
30	9170526	2	Cover plate, blower
31	9174627	2	Air guide plate
32	9174034	2	Mounting plate
44	9170505	2	Back wall, outside
45	9174681	2	Back wall, inside
46	9174280	2	Bottom plate, stainless steel
46	9172232	1	Bottom plate, coated
56	9170481	1	Separation plate
57	9112430	8	Washer, insulation support
58	9172053	16	Nut
64	9174146	2	Protection plate, electric components
81	9174642	2	Lamp holder
82	9170651	4	Cover plate
87	9174641	2	Reflector
88	9174643	2	Bracket, reflector
98	9172116	2	Sealing profile, Silicon L= 71 cm
99	9261022	1	Strain relief M25
100	9174140	2	Spark catcher
101	9110810	1	Indication plate
102	9261023	1	Connector M25

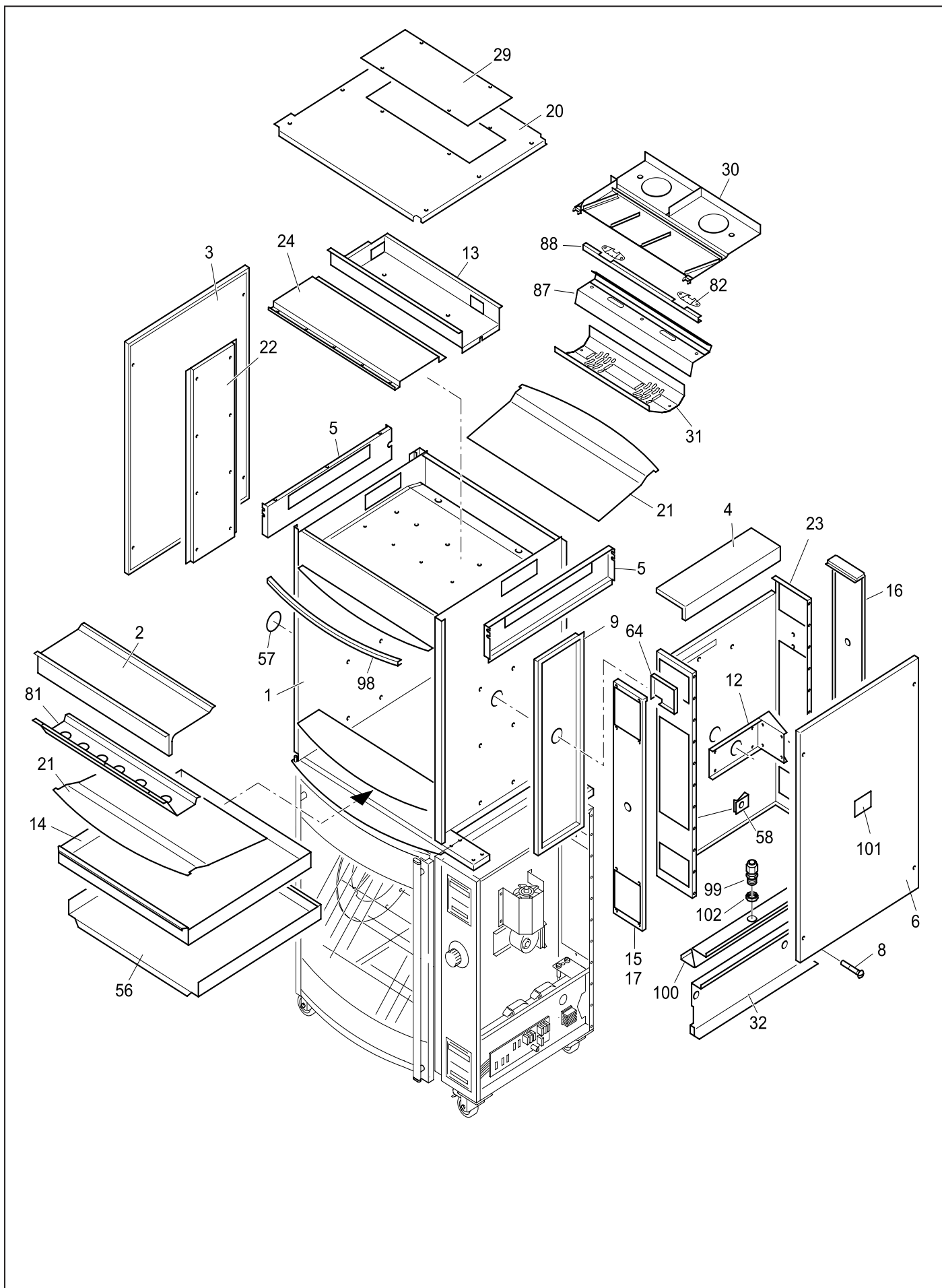
STG8 + 8P WITH KEYPAD PROTECTION, SOLID BACK - COMPONENTS



Item	Partnumber	Qty.	Description
11	9170427	2	Hinge, left
18	9172274	2	Rotorset ass., stainless steel
18-1	9070272	2	Rotor shaft, ass.
18-2	9174623	4	Rotor disc
18-3	4288231	24	Tensilock bolt M5x10, stainless steel
18-4	9172169	28	Support pin, stainless steel
18-5	0142056	28	Spring washer M8, support pin, stainless steel
18-6	4312271	28	Nut M8, support pin, stainless steel
34	9173022	2	Electric panel, ass.
34-1	0166555	2	Earth symbol
34-2	8033659	2	Connecting block, 9-pol.
34-5	9044564	2	Connecting block, 1,2,3
34-6	9044572	2	Connecting block, 4,5,6
34-7	9070531	2	Thermostat 50-250 °C
34-8	9070840	4	Grommet
34-9	3500069	2	Contacto
34-10	9077088	2	Bracket, magnetic switch
34-11	9077101		Capacitor 2,5 uF
34-11A	9077102	2	Capacitor 3 mF (till serial nr. 100061450)
34-12	9110030	4	Capacitor 1,5 mF
34-15	9174106	2	Electric panel
34-16	9171140	2	Main switch
34-16A	9172328	2	Main switch (till serial nr. 100050804)
34-16B	9172057	2	Main switch, 4-pole (till 31-12-2006)
35	9174161	2	Protection support
36	9110797	2	Sealring, drive bearing
37	9173004	2	Gearmotor, complete with drive arm and capacitor 2,5 uF
38	91798625	2	Door inside, ass.
38-1	9172001	2	Glass, inner
38-2	0211520	4	Bolt M5 x 12 ss hexagon head
38-3	9170423	2	Hinge profile
38-4	3702341	16	Flange bush, PTFE 2 mm
38-5	9174029	4	Cover profile, inner glass
38-6	4285408	8	Nut, M5
38-7	9174633	2	Profile
38-8	9070141	20	Magnet block
38-9	9174632	2	Holder, magnet
38-10	9172291	4	Spacing pin
39.5	91798615	2	Door service side, ass.
39	9172115	2	Glass black, outer incl. hinge profile
39-1	9172019	2	Glass black, outer
39-2	9170535	2	Hinge profile
39-3	9172079	4	Protection profile
39-4	9172054	4	Brass bearing 8 mm
39-5	9172122	4	Brass bearing 8 mm, adjusted
39-6	4288321	4	Screw M5 x 16, SS socket button head
39-7	3702342	16	Flange bush, PTFE 3 mm
39-8	4311110	4	Washer
39-9	0144359	4	Nut, self locking M5
39-10	9174022	2	Mounting profile, hinge side

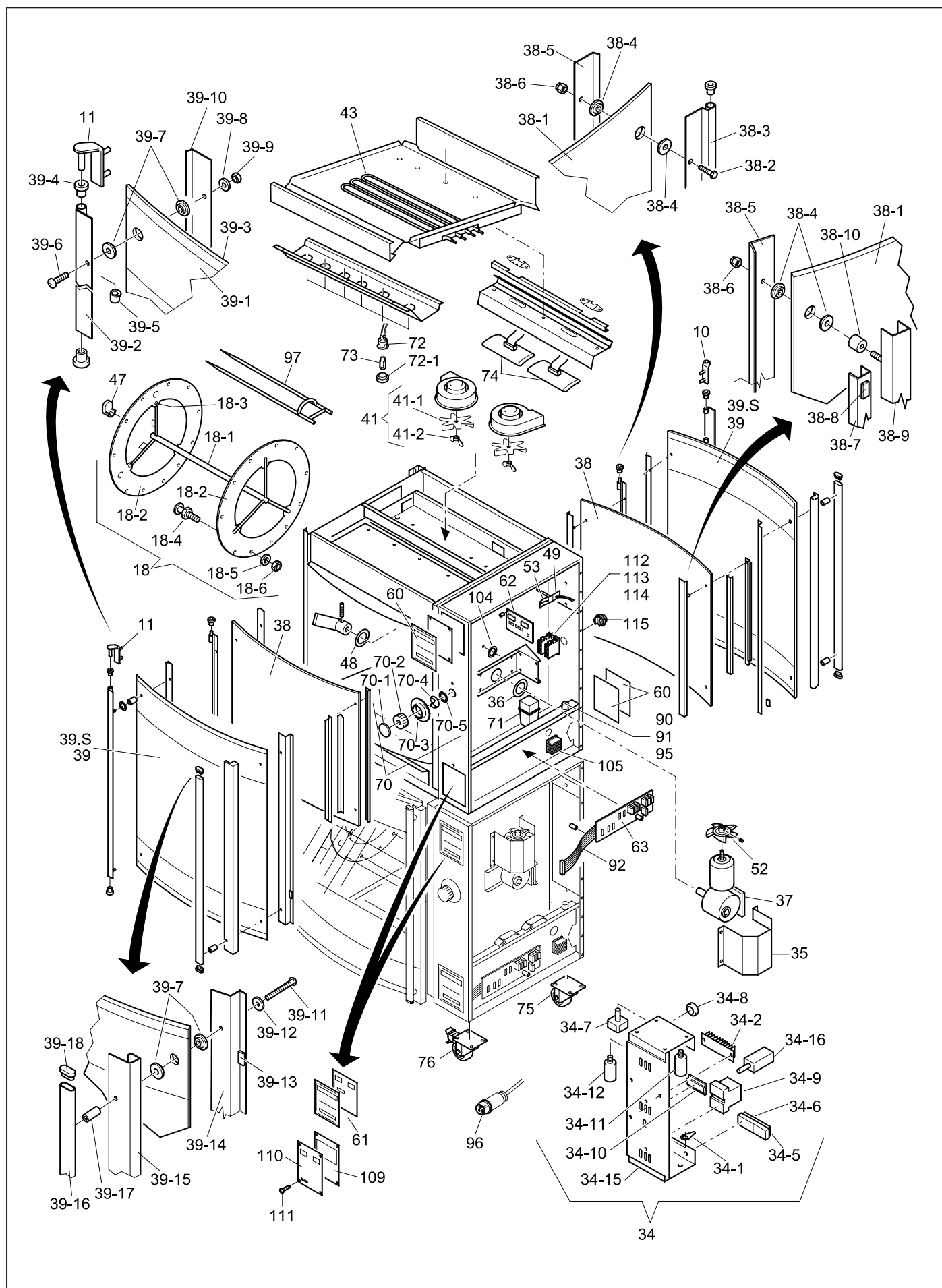
Item	Partnumber	Qty.	Description
39-11	4288320	4	Screw M5x45 SS
39-12	9174680	4	Washer
39-13	9070141	24	Magnet block
39-14	9174631	2	Fastening, door handle
39-15	9170536	2	Profile, magnet
39-16	9174131	2	Door handle
39-17	9172300	4	Spacing pin
39-18	9171014	4	Plug, door handle
41	9140027	4	Blower
41-1	9141934	4	Fan blade
41-2	9073150	4	Wingnut, left hand threaded
43	9044653	6	Heating element, 3100 W
47	9172063	2	Steel bearing, 14 mm
48	9073131	2	Sealing ring
49	9070094	2	Temperature sensor
50	9174623	4	Rotor disc 3 mm, stainless steel
52	2000072	2	Fanblade, gearmotor
53	9044140	2	Sensor cable
60	9172040	4	Name plate Fri-jado, foil + backplate
61	9172058	2	Keypad + backplate
62	9110242	2	Display
63	9110276	2	Power section
70	9173017	2	Main power knob assembly
70-1	9172049	2	Cover, knob
70-2	9172021	2	Control knob, grey
70-3	9172037	2	Back plate, main switch 0-1
70-4	9172052	2	Locking ring, knob
70-5	9110802	2	Plug, TG
71	3701023	2	Transformer 200 W, Halogen lamps
71A	3701026	4	Transformer, Halogen lamps (till serial number 100044773)
72	91711355	12	Lamp holder, incl. glass
72A	9171078	12	Lamp holder, incl. glass (till serial number 100043535)
72-1	9171136	12	Glass, lamp holder
72A-1	9171126	12	Glass, lamp holder (till serial number 100043535)
73	3701052	12	Lamp 20W, 12V/300°C
74	9044650	4	Heating element, Ceramic, 500 W
75	9172065	2	Castor without brake
76	9172066	2	Castor with brake
78	4289966	4	Distance ring, outerglass
90	9110026	2	Fuse holder
91	9110025	2	Fuse housing
92	9172113	2	Flatcable, 34-pol. (P)
95	9171120	2	Fuse 5x20, ceramic T10A
96	9070044	1	Connecting cable with plug
97	9172153	16	Meatfork STG 7 (8mm.)
104	9171018	6	Plug
105	9151010	2	Connecting block
109	9175084	2	Sealing, display
110	9174101	2	Cover plate
111	4288329	8	Screw M5 x 12, SS socket button head

STG8 + 8P PASS-THROUGH WITH KEYPAD PROTECTION AND ROTOR BUTTON - SHEET IRON WORK



Item	Partnumber	Qty.	Description
2	9170525	2	Heat shield
3	9170419	2	Side panel, left
4	9174005	1	Cover, removable
5	9170421	4	Side panel, top
6	9170531	2	Side panel, right
8	4288322	16	Screw M5 x 10, SS socket button head
9	9170425	2	Reinforcement, side plate, right
12	9170444	2	Support, gear motor
13	9170650	2	Mounting plate, blower
14	9170534	2	Drawer
15	9170540	1	Operation panel, top
16	9174198	2	Panel, customer side
17	9170541	2	Operation panel, bottom
20	9174646	2	Cap, top
21	9174010	4	Bottom plate, stainless steel
22	9174013	2	Reinforcement, side plate, left
23	9174015	2	Cover plate, machine components
24	9174016	2	Ceiling
29	9174099	2	Cover, removable
30	9170526	2	Cover plate, blower
31	9174627	2	Air guide plate
32	9174034	2	Mounting plate
56	9170481	1	Separation plate
57	9112430	8	Washer, insulation support
58	9172053	16	Nut
64	9174146	2	Protection plate, electric components
81	9174642	2	Lamp holder
82	9170651	4	Cover plate
87	9170529	2	Reflector
88	9174643	2	Bracket, reflector
98	9172116	2	Sealing profile, Silicon L= 71 cm
99	9261022	1	Strain relief M25
100	9174140	2	Spark catcher
101	9110810	1	Indication plate
102	9261023	1	Connector M25

STG8 + 8P PASS-THROUGH WITH KEYPAD PROTECTION AND ROTOR BUTTON - COMPONENTS



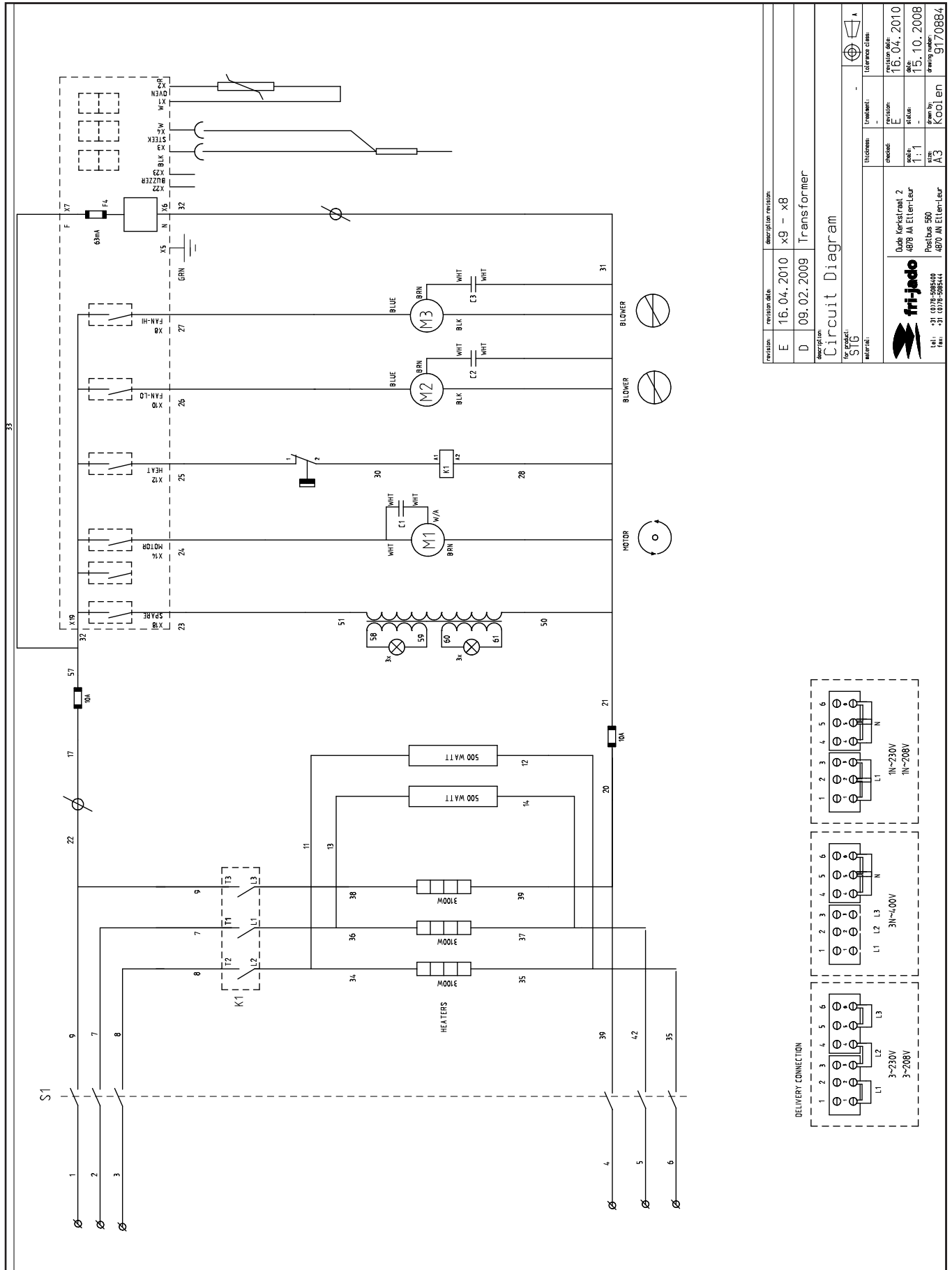
Item	Partnumber	Qty.	Description
10	9170426	2	Hinge, right
11	9170427	2	Hinge, left
18	9172274	2	Rotorset ass., stainless steel
18-1	9070272	2	Rotor shaft, ass.
18-2	9174623	4	Rotor disc
18-3	4288231	24	Tensilock bolt M5x10, stainless steel
18-4	9172169	28	Support pin, stainless steel
18-5	0142056	28	Spring washer M8, support pin, stainless steel
18-6	4312271	28	Nut M8, support pin, stainless steel
34	9173022	2	Electric panel, ass.
34-1	0166555	2	Earth symbol
34-2	8033659	2	Connecting block, 9-pol.
34-5	9044564	2	Connecting block, 1,2,3
34-6	9044572	2	Connecting block, 4,5,6
34-7	9070531	2	Thermostat 50-250 °C
34-8	9070840	4	Grommet
34-9	3500069	2	Contacto
34-10	9077088	2	Bracket, magnetic switch
34-11	9077102	2	Capacitor 3 mF
34-12	9110030	4	Capacitor 1,5 mF
34-15	9174106	2	Electric panel
34-16	9171140	2	Main switch
34-16A	9172328	2	Main switch (till serial nr. 100050804)
34-16B	9172057	2	Main switch, 4-pole (till 31-12-2006)
35	9174161	2	Protection support
36	9110797	2	Sealring, drive bearing
37	9173004	2	Gearmotor, complete with drive arm
38	91798625	2	Door inside, ass.
38-1	9172001	2	Glass, inner
38-2	0211520	4	Bolt M5 x 12 ss hexagon head
38-3	9170423	2	Hinge profile
38-4	3702341	16	Flange bush, PTFE 2 mm
38-5	9174029	4	Cover profile, inner glass
38-6	4285408	8	Nut, M5
38-7	9174633	2	Profile
38-8	9070141	20	Magnet block
38-9	9174632	2	Holder, magnet
38-10	9172291	4	Spacing pin

Item	Partnumber	Qty.	Description
39.5	91798615	4	Door service side, ass.
39	9172115	4	Glass black, outer incl. hinge profile
39-1	9172019	4	Glass black, outer
39-2	9170535	4	Hinge profile
39-3	9172079	8	Protection profile
39-4	9172054	8	Brass bearing 8 mm
39-5	9172122	8	Brass bearing 8 mm, adjusted
39-6	4288321	8	Screw M5 x 16, SS socket button head
39-7	3702342	32	Flange bush, PTFE 3 mm
39-8	4311110	8	Washer
39-9	0144359	8	Nut, self locking M5
39-10	9174022	4	Mounting profile, hinge side
39-11	4288320	8	Screw M5x45 SS
39-12	9174680	8	Washer
39-13	9070141	48	Magnet block
39-14	9174631	4	Fastening, door handle
39-15	9170536	4	Profile, magnet
39-16	9174131	4	Door handle
39-17	9172300	8	Spacing pin
39-18	9171014	8	Plug, door handle
41	9140027	4	Blower
41-1	9141934	4	Fan blade
41-2	9073150	4	Wingnut, left hand threaded
43	9044653	6	Heating element, 3100 W
47	9172063	2	Steel bearing, 14 mm
48	9073131	2	Sealing ring
49	9070094	2	Temperature sensor
52	2000072	2	Fanblade, gearmotor
53	9044140	2	Sensor cable
60	9172040	4	Name plate Fri-jado, foil + back-plate
61	9172058	2	Keypad + backplate
62	9110242	2	Display
63	9110276	2	Power section
70	9173017	2	Main power knob assembly
70-1	9172049	2	Cover, knob
70-2	9172021	2	Control knob, grey
70-3	9172037	2	Back plate, main switch 0-1
70-4	9172052	2	Locking ring, knob
70-5	9110802	2	Plug, TG
71	3701023	2	Transformer 200 W, Halogen lamps
71A	3701026	4	Transformer, Halogen lamps (till serial number 100044773)
71	3701026	4	Transformer, Halogen lamps

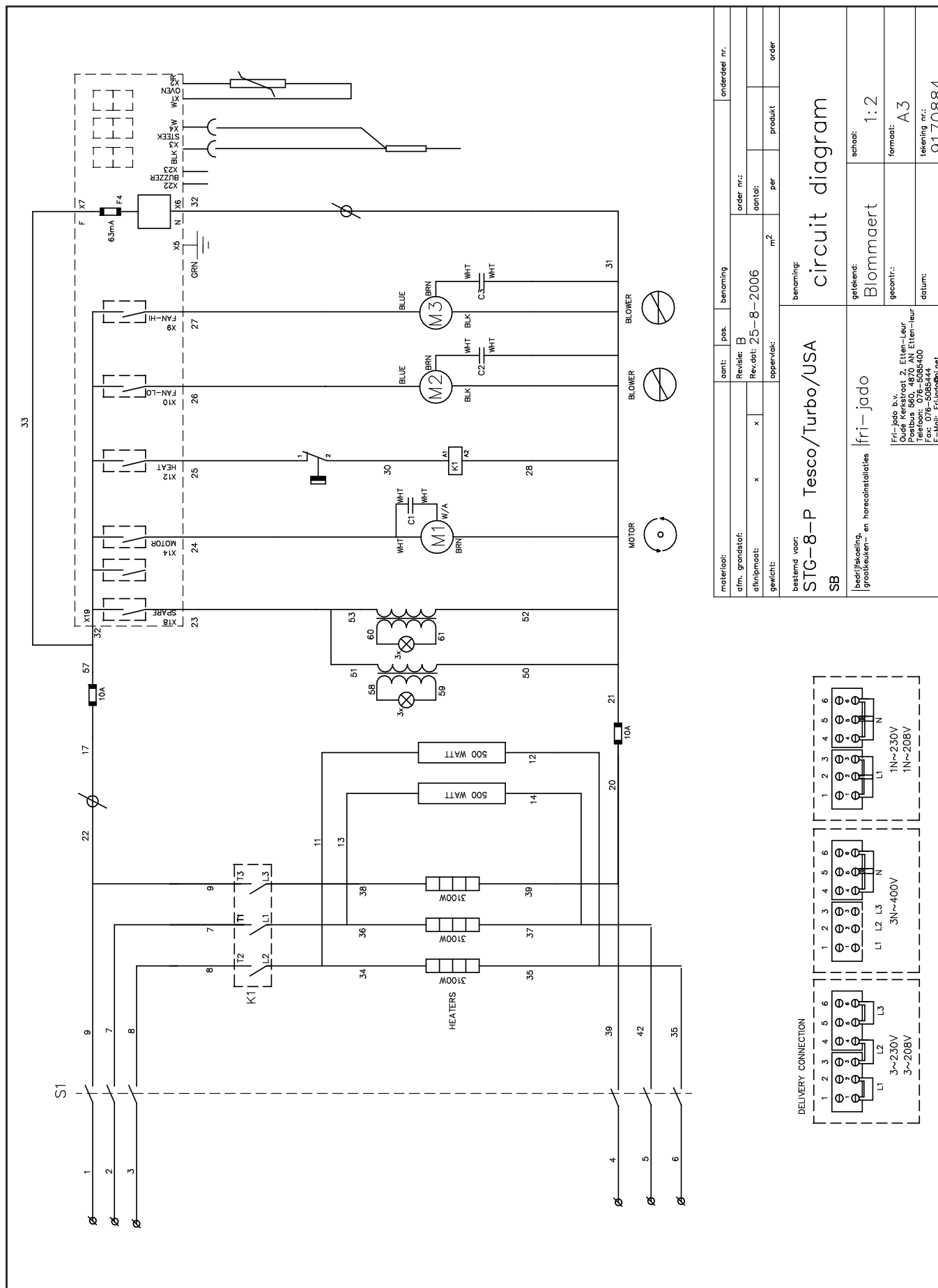
Item	Partnumber	Qty.	Description
72	91711355	12	Lamp holder, incl. glass
72A	9171078	12	Lamp holder, incl. glass (till serial number 100043535)
72-1	9171136	12	Glass, lamp holder
72A-1	9171126	12	Glass, lamp holder (till serial number 100043535)
73	3701052	12	Lamp 20W, 12V/300°C
74	9044650	4	Heating element, Ceramic, 500 W
75	9172065	2	Castor without brake
76	9172066	2	Castor with brake
90	9110026	4	Fuse holder
91	9110025	4	Fuse housing
92	9172113	2	Flatcable, 34-pol. (P)
95	9171120	4	Fuse 5x20, ceramic T10A
96	9070044	1	Connecting cable with plug
97	9172153	16	Meatfork STG 7 (8mm.)
104	9171018	6	Plug
105	9151010	2	Connecting block
109	9175084	2	Sealing, display
110	9174101	2	Cover plate
111	4288329	8	Screw M5 x 12, SS socket button head
112	9111190	2	Adaptor
113A	9111200	2	Contact (till serial number 100035062)
114	9111251	2	Contact
115	9111252	2	Push button

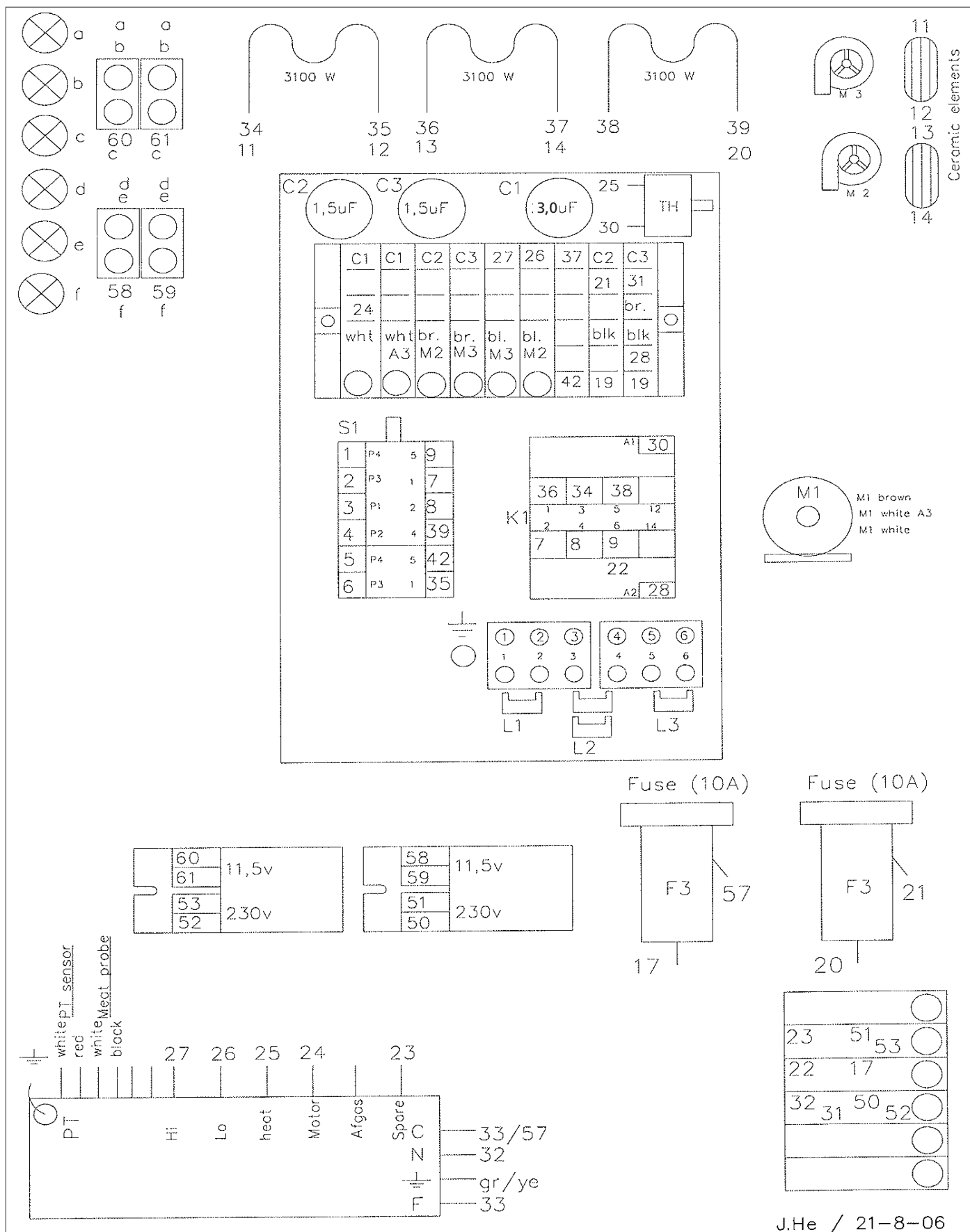
ELECTRICAL DIAGRAMS

STG8 P SOLID BACK - CIRCUIT DIAGRAM



STG8 P SOLID BACK - CIRCUIT DIAGRAM (TILL SERIAL NUMBER 100044773)



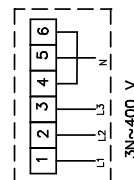
STG8 P SOLID BACK - WIRING DIAGRAM (TILL SERIAL NUMBER 100044773)


The wiring diagram illustrates the electrical connections for a food processing machine's control system. It features three main power inputs at the top left, labeled 1, 2, and 3, which connect to terminals 10, 4, and 8 respectively. A ground connection is shown at terminal 11.

The central part of the diagram shows a complex arrangement of components and their interconnections:

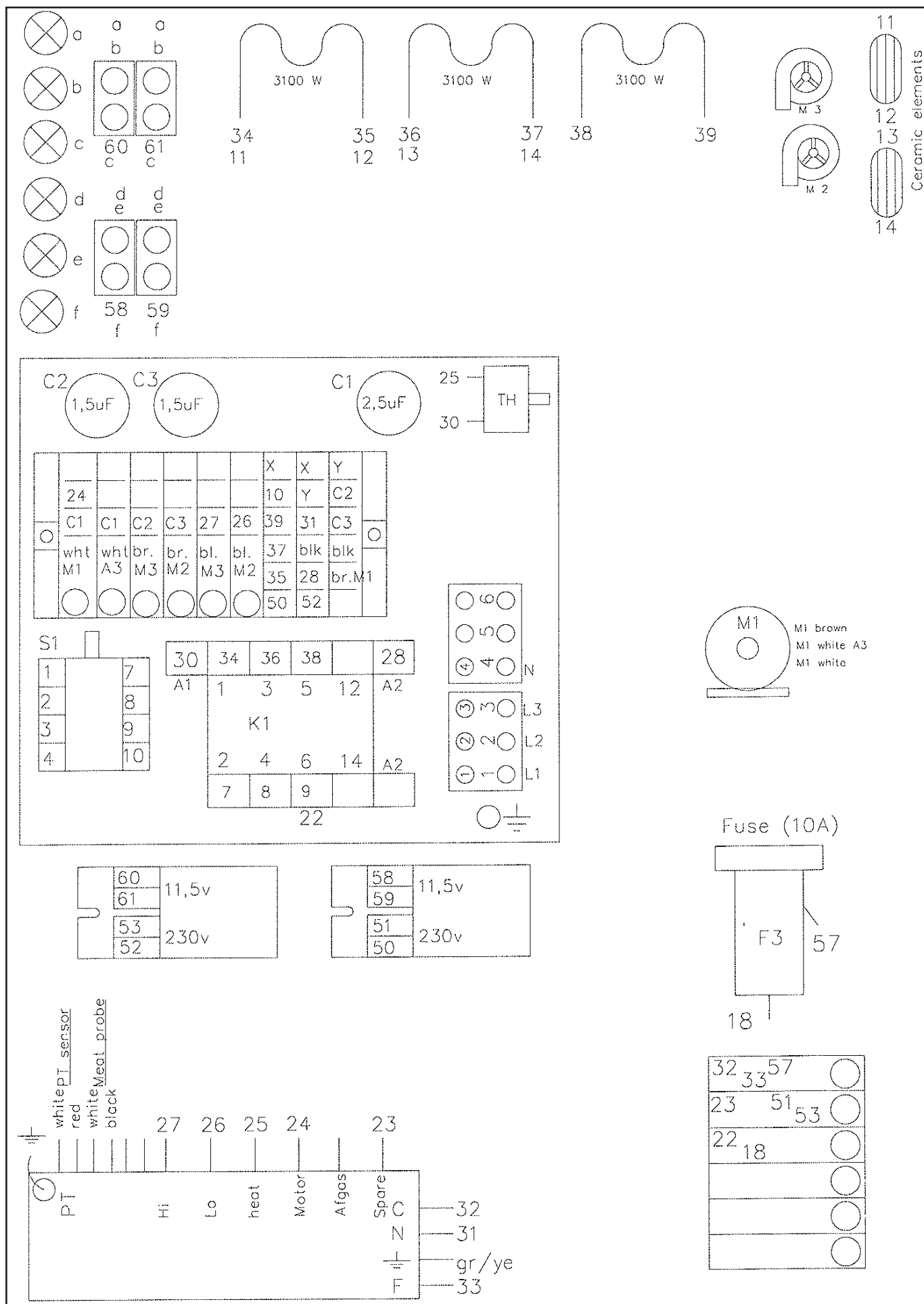
- Heaters:** Three 3100W heaters are connected to terminals 34, 36, and 38. They are also connected to terminals 35, 37, and 39 respectively.
- Motors:** Two motors, M1 and M2, are connected to terminals 21 and 22. Motor M1 is connected to terminals 21 and 22, while Motor M2 is connected to terminals 22 and 23. Both motors have a common ground connection at terminal 11.
- Control Components:** The diagram includes several relays (K1, K2, K3), switches (S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40, S41, S42, S43, S44, S45, S46, S47, S48, S49, S50, S51, S52, S53, S54, S55, S56, S57, S58, S59, S60, S61, S62, S63, S64, S65, S66, S67, S68, S69, S70, S71, S72, S73, S74, S75, S76, S77, S78, S79, S80, S81, S82, S83, S84, S85, S86, S87, S88, S89, S90, S91, S92, S93, S94, S95, S96, S97, S98, S99, S100), and sensors (X1, X2, X3, X4, X5, X6, X7, X8, X9, X10, X11, X12, X13, X14, X15, X16, X17, X18, X19, X20, X21, X22, X23, X24, X25, X26, X27, X28, X29, X30, X31, X32, X33, X34, X35, X36, X37, X38, X39, X40, X41, X42, X43, X44, X45, X46, X47, X48, X49, X50, X51, X52, X53, X54, X55, X56, X57, X58, X59, X60, X61, X62, X63, X64, X65, X66, X67, X68, X69, X70, X71, X72, X73, X74, X75, X76, X77, X78, X79, X80, X81, X82, X83, X84, X85, X86, X87, X88, X89, X90, X91, X92, X93, X94, X95, X96, X97, X98, X99, X100).

The bottom section of the diagram shows the connection points for various components, including terminals 1 through 10, 11 through 20, 21 through 30, 31 through 40, 41 through 50, 51 through 60, 61 through 70, 71 through 80, 81 through 90, 91 through 100, and 101 through 110.

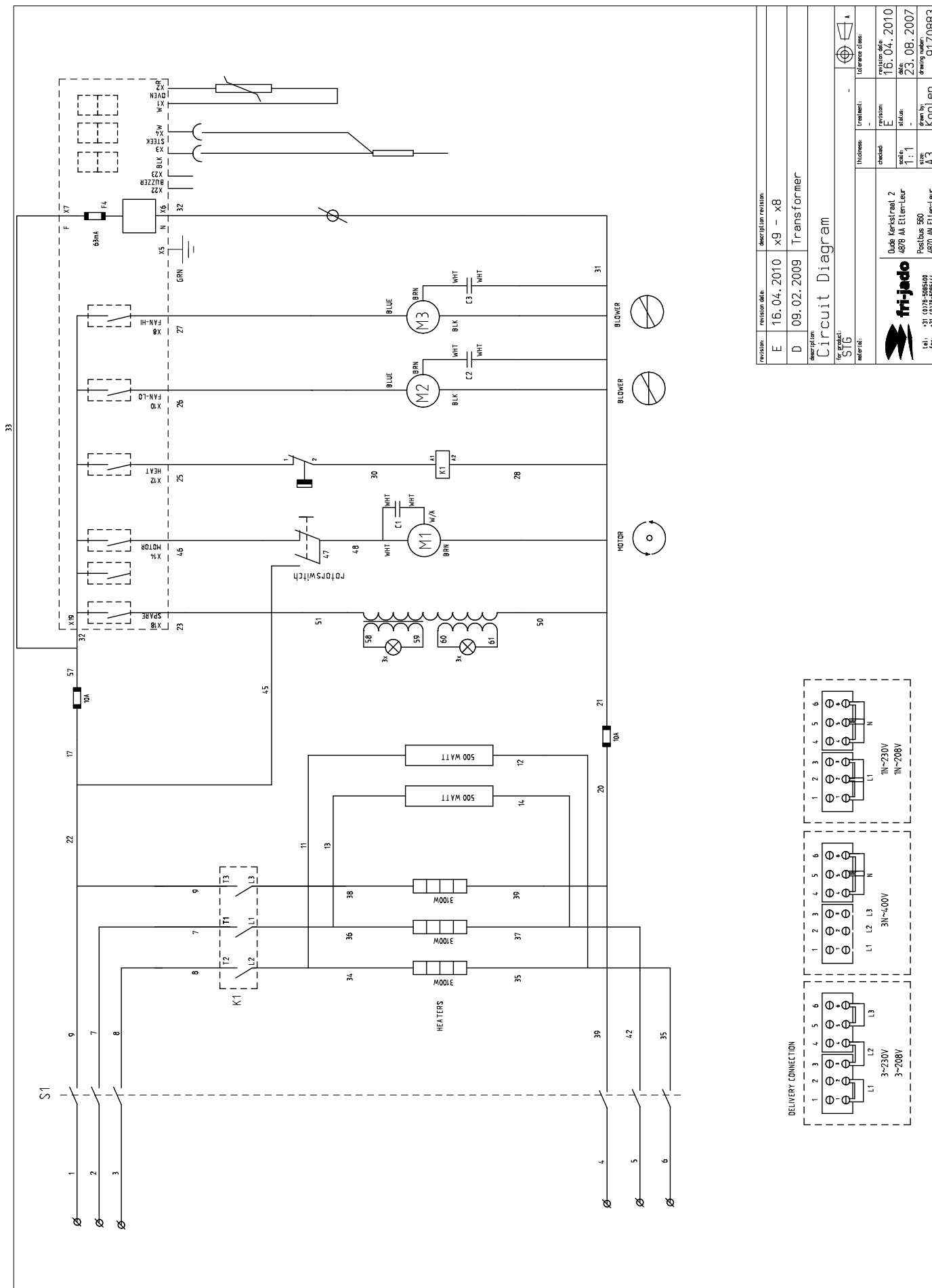


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STG8-P Backwall		Circuit diagram					
Tesco		getekend:		P.Koolen		school:	
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Oudejansdijk 2, Etten-Leur		Datum:		11-02-05		9170835	
Postbus 560, 4870 AN Etten-Leur		Telefoon:		076-5085400		9170835	
Telefoon: 076-5085400		Fax:		076-5085400		9170835	
E-Mail: Fkoolen@net		Teken- en tekening nr.:		11-02-05		9170835	

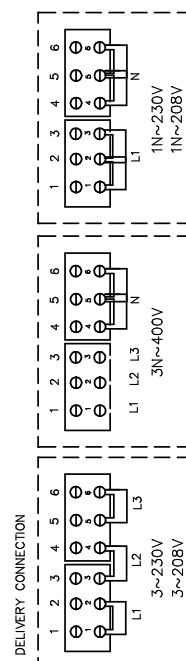
STG8 P SOLID BACK - WIRING DIAGRAM (TILL 31-12-2006)

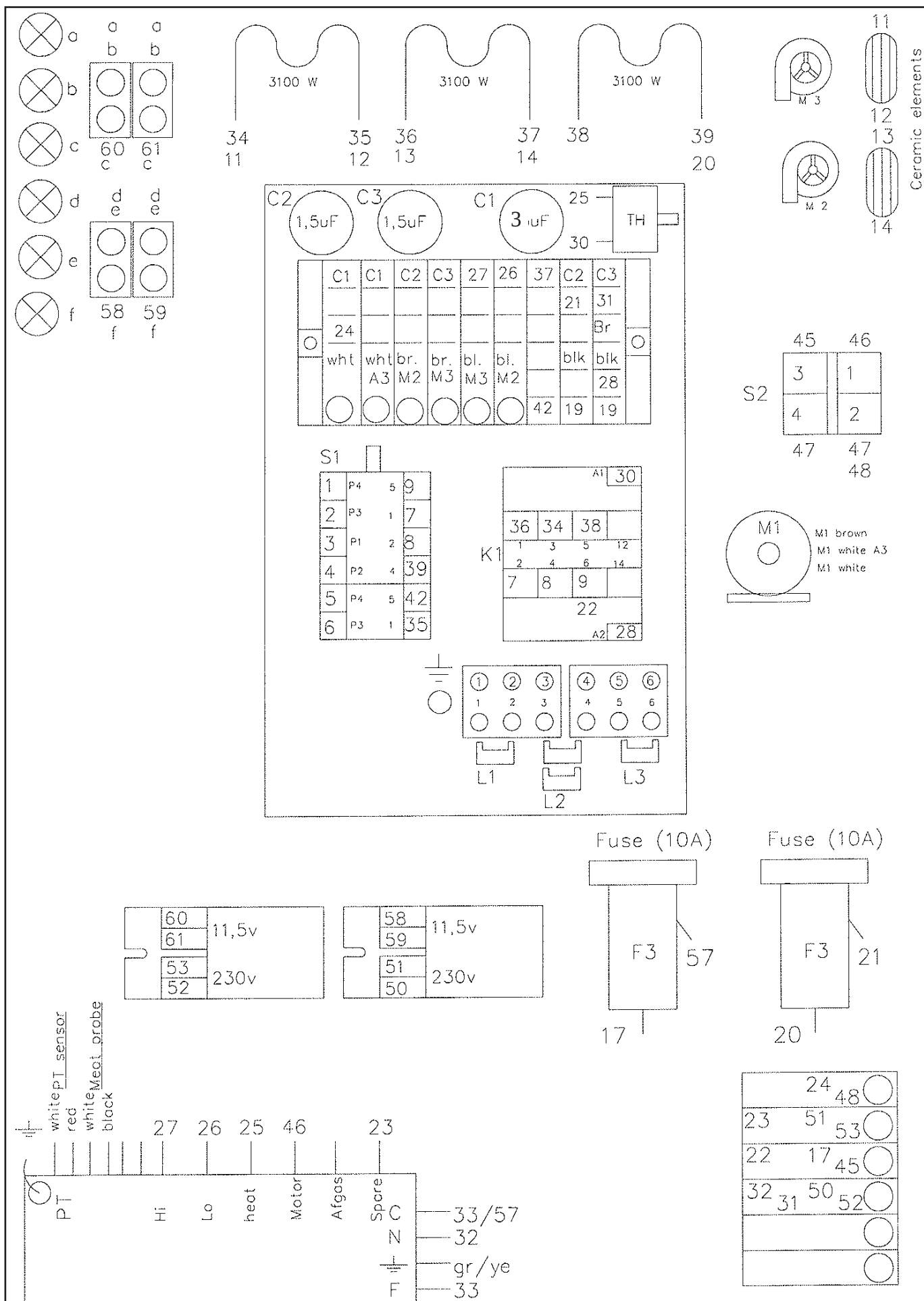


STG8 P + ROTOR SWITCH - CIRCUIT DIAGRAM



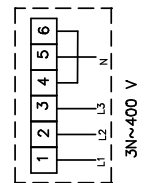
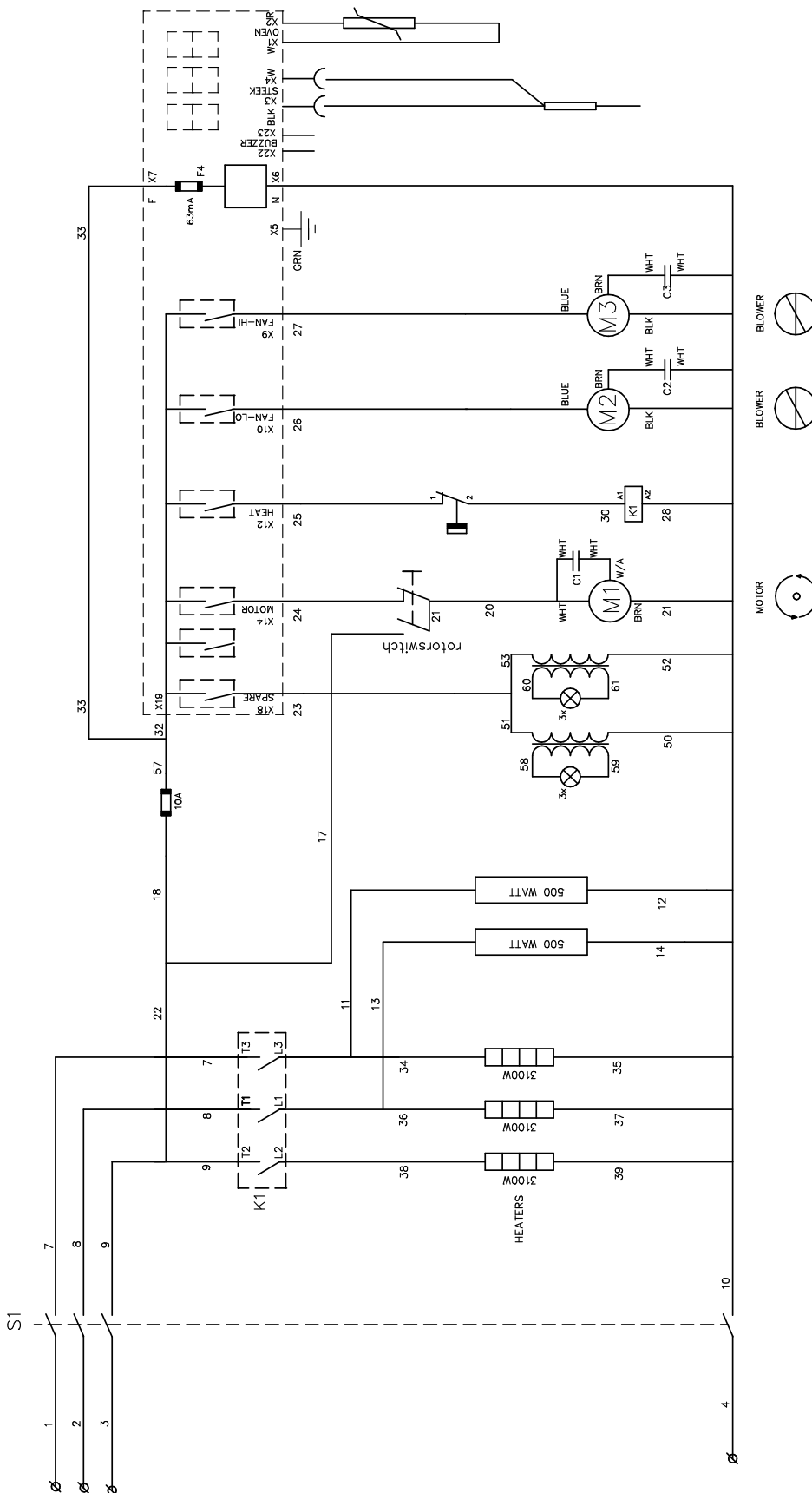
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STG-8-P + Rotorswitch		Tesco/Turbo/USA		circuit diagram			
bedrijfsomschrijving grootkeuken- en horecainstallaties		fri-jado		getekend: Blommaert		school: 1:2	
fri-jado b.v. contact 2. Etten-Leur Postbus 560, 4870 AN Etten-Leur Telefoon: 076-5085400 Fax: 076-5085401 E-mail: frij@8890.net		gecont.: datum:		formaat: A3		tekening nr.: q170883	



STG8 P + ROTOR SWITCH - WIRING DIAGRAM (TILL SERIAL NUMBER 100044773)


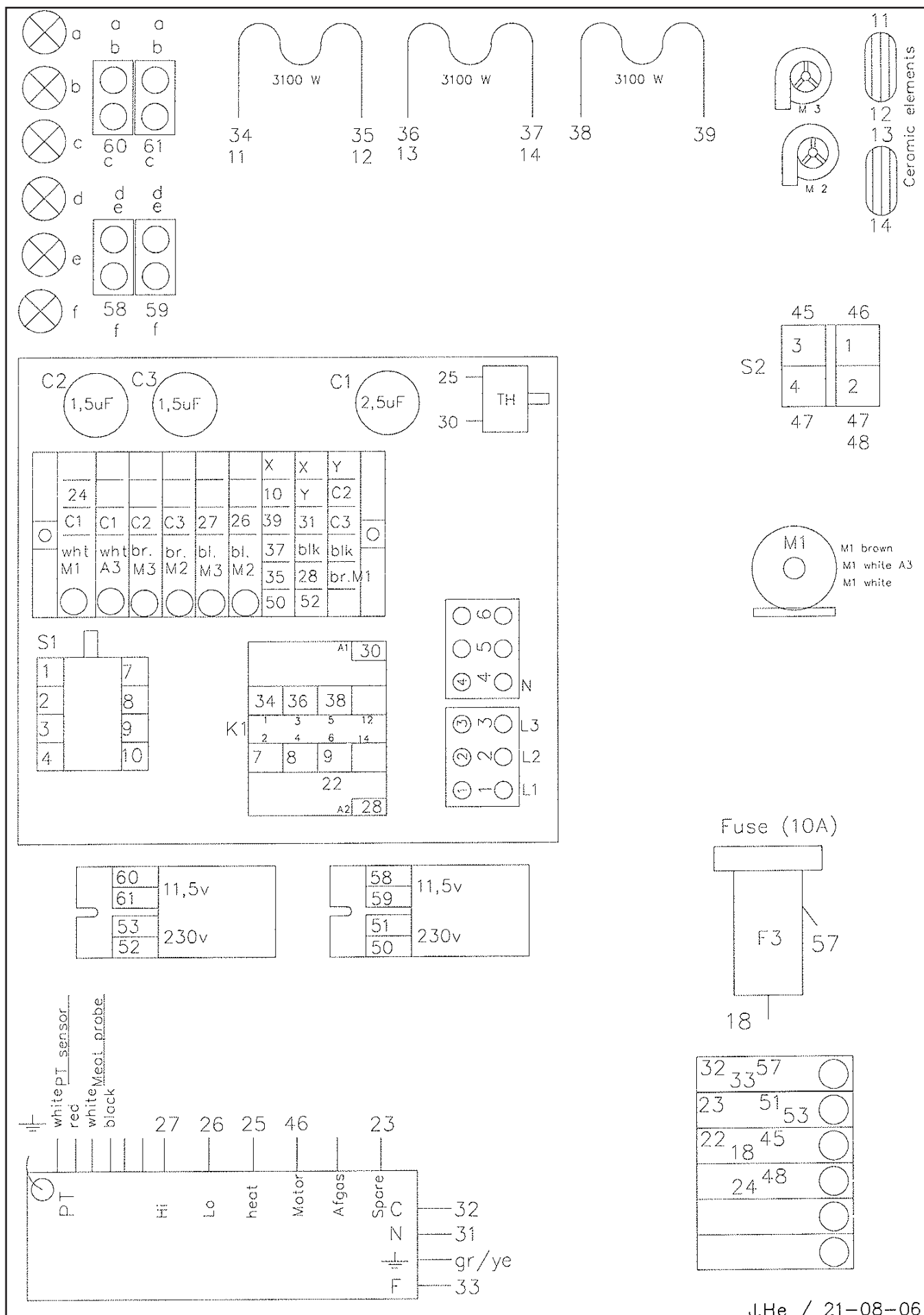
J.He / 21-8-06

STG8 P + ROTOR SWITCH - CIRCUIT DIAGRAM (TILL 31-12-2006)



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STG8 P + ROTOR SWITCH - CIRCUIT DIAGRAM (TILL 31-12-2006)



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