



# CONVECTION OVEN (GAS)

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## CONVECTION OVEN (GAS)

### A GENERAL INFORMATION

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Before installing the appliance, read operation and maintenance instructions carefully. Wrong installation and part changing may damage the product or may cause injury on people. These are not in our company's responsibility to damage the appliance intentionally, negligence, detriments because of disobeying instructions and regulations, wrong connections. Unauthorized intervention to appliance invalidates the warranty.

1. This instruction manual should be kept in a safe place for future reference.
2. **Installation should be made in accordance with ordinances and security rules of that country by a qualified service personnel.**
3. This appliance has to be used by trained person.
4. Please turn off the appliance immediately in the event of malfunction or failure. The appliance should be repaired only by authorized service personnel. Please demand original spare part.



# CONVECTION OVEN (GAS)

## A1 PRODUCT DESCRIPTION

\*The Professional Convection Ovens (Gas) ,that provides high efficiency has been designed to be used in industrial kitchen.

Product Code	Dimensions (mm)	Weight (kg)	Packaging Dimensions (mm)
<b>EMP.GKF-10</b>	1040x1035x1150	195	1120x1120x1270
<b>EMP.GKF-20</b>	1241x1105x1134	221	1300x1170x1300
<b>EMP.GKF-40</b>	1235x1110x1900	394	1300x1170x2080
<b>EMP.PFG8</b>	1045x1043x1312	181	1120x1120x1420

## A2 TECHNICAL INFORMATION

Product Code	EMP.GKF-10	EMP.GKF-20	EMP.GKF-40	EMP.PFG8
<b>CAPACITY</b>	10 piece GN-1/1	20 piece GN-1/1	40 piece GN-1/1	8 - (40x60)
		10 piece GN-2/1	20 piece GN-2/1	
<b>GAS POWER LPG/ NG (KW)</b>	35,0 m3/h	35,0 m3/h	46,5 m3/h	35,0 m3/h
<b>ELECTRIC POWER (KW)</b>	2	2	2,7	3
<b>OPERATING VOLTAGE (V)</b>	380	380	380	380
<b>GAS CONSUMPTION (NG)</b>	3,70 m3/h	3,70 m3/h	4,92 m3/h	3,70 m3/h
<b>GAS CONSUMPTION (LPG)</b>	2,74 kg/h	2,74 kg/h	3,65 kg/h	2,74 kg/h
<b>LIGHTING</b>	20 W HALOGEN LAMP	20 W HALOGEN LAMP	20 W HALOGEN LAMP	20 W HALOGEN AMPUL
<b>FEEDING CABLE</b>	5x1,5	5x1,5	5x1,5	5x1,5
<b>ISOLATION</b>	ROCK WOOL	ROCK WOOL	ROCK WOOL	ROCK WOOL

## A3 TRANSPORTATION

\*This appliance can not be moved by hand from area to area.It must be moved on pallet with forklift truck.

## A4 UNPACKING

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\*Please unpack the package according to the security codes and ordinances of current country and get rid from the pack. Parts which contacts with food are produced by stainless steel. All plastic parts are marked by material's symbol.

\*Please check that all the parts of appliance had come completely and if they are damaged or not during the shipping.

## B INSTALLATION

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\*Please place the product to straight and sturdy ground, please take necessary steps against possibility of overturn.

\*Technician who will serve for installation and service for the appliance must be professional on this subject and must have installation and service licenses by the company.

\*Connection to Gas Fitment must be done by authorized person.

\*The area where the appliance is must have enough ventilation and vent-hole.

\*The appliance must be connected correctly according to local and national gas standards of your country.

\*The appliance gas entrances are indicated with "G" label on the body.



This appliance must be connected to an earthed outlet in accordance with safety rules and standards.

\*Appliance's earthing must be connected to earthing line on panel which is nearest to electric installation.

\*Connection to the main fuse and leak current fuse must be done in accordance with the current regulations.

\*Connection to gas fitment must be done with suitable diameter metal flex pipe and spheric valve. The spheric valve must be immobilized to a place that is far away from heat and accessible during the danger. After gas entrance connection done, gas leakages must be checked.











\*According to the datas on appliance information plate, gas and pressure must be adjusted. If the gas type that is adjusted is not the suitable with gas type that is at installation place, apply the instructions that is about adjustment of different gas type. **(Event :G)**

\*If the location where Convection Ovens (Gas) placed is covered with nonflammable heat insulation material, the distance between them must be 5 cm. Otherwise it should be at least 20 cm. The appliance should be operated under the chimney hood.

# CONVECTION OVEN (GAS)

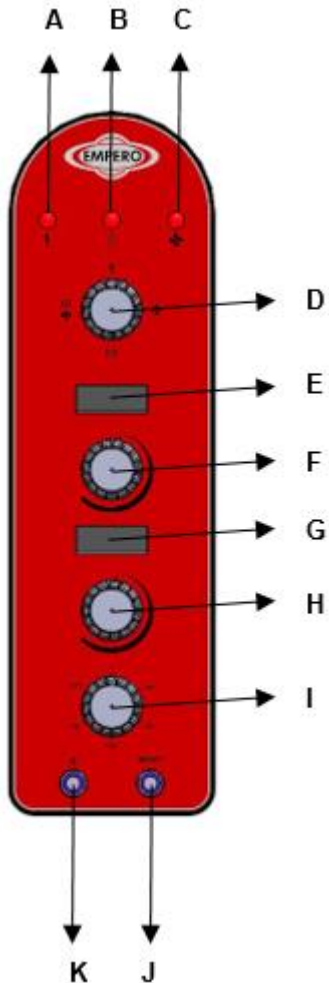
## C SAFETY INSTRUCTIONS

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-  \*Do not use the appliance in insufficient lighted place.
-  \*Do not touch the moving attachments while the appliance operates.
-  \*Do not install the appliance in the presence of flammable or explosive materials.
-  \*Do not operate the appliance when the machine is empty.
-  \*Do not load so less or more than appliance's capacity.
-  \*Do not attempt to use the appliance without suitable protective equipments.
-  \*Because of any reason if there is a fire or flame flare where the appliance is used, turn off all gas valves and electric contactor switch quickly and use fire extinguisher. Never use water to extinguish the fire.
-  \*If there is gas leakage where the appliance is, do not fire absolutely and do not use electric.
-  \*Definitely do not allow to check the sealing with flame.
-  \*All the damages because of not having earthing connection will not be on warranty.

**D OPERATION**

\*Control Panel;



- A: ENERGY SIGNAL LAMP
- B: RESISTANCE SIGNAL LAMP
- C: FAN SIGNAL LAMP
- D: STAGE CHARTER
- E: DIGITAL INDICATOR
- F: DIGITAL INDICATOR SETTING POT
- G: TIMER INDICATOR
- H: TIMER INDICATOR SET POT
- I: STEAM REGULATOR
- J: RESET BUTTON
- K: LAMP BUTTON

## CONVECTION OVEN (GAS)

### **\*Operating;**

- According to type of use,make gas entrance connection from behind the appliance.Because the machine is operated with LPG and NG.
- Turn on the gas valves.ve plug in.
- In order to activate the machine, by press the "ON " during ensure the completion leds inside of indicator.
- When activate the machine first time, it can occur smell and fume because of isolation material and heater parts. Therefore before use machine, operate it during 30 sec.as hollow on 240°C
- Before put the product in to the appliance, make pre-heat and then place tray in to the oven.
- When you finish the cooking process, Turn off the gas valve and plug off.

## **E CLEANING & MAINTENANCE**

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### ➤ **CLEANING AND MAINTENANCE AFTER EVERY USE**

- Always turn off the appliance and disconnect from the power supply before cleaning.
- Clean the inside of the oven with soft cloth by using oil solvent spray, before the appliance gets cooled exactly. Waste water will flow through waste water outlet after cleaning.
- In order to clean oven glasses, open the lid's inner glass. For this unlock the mechanism at top and bottom.
- Do not use abrasive cleaning chemicals as these can leave harmful residues
- Do not clean the appliance by spraying water directly, otherwise electric motor may get damaged.
- Do not clean the appliance with the materials that may damage to chrome material.

### ➤ **PERIODIC CLEANING AND MAINTENANCE**

- Maintenance should be done by qualified person.
- These parts ; Relay, Control Device, Balance, Magnetic Filter, Fan, Switch and Lamp Parts are changed when there is malfunction due to not having maintenance.
- Maintenance of the appliance's contactor should be done by compressed air according to frequency of use.
- Check the gas connection hoses in periodic time. If there is slit, hole..etc, change the hoses.
- Ventilate the area where the appliance is in periodic times.





# CONVECTION OVEN (GAS)

## F TROUBLESHOOTING

<b>THE APPLIANCE DOESN'T OPERATE</b>	<ol style="list-style-type: none"> <li>1. Check if the gas connection is done or not.</li> <li>2. If there is no gas entrance to pilot,the appliance is not operated.</li> <li>3. If the hoses that have gas entrance lose gas due to slit,hole.etc.,the appliance is not operated.</li> <li>4. Check the electrical connections and voltage.</li> <li>5. Check if the fuse is on or off.</li> <li>6. Check the oven's lid.</li> </ol>
<b>THE APPLIANCE DOESN'T COOK WELL</b>	<ol style="list-style-type: none"> <li>1. Check if it is operated at suitable gas setting or not.</li> <li>2. Check the heat settings.</li> <li>3. Check the water connection if the injection system doesn't operate.</li> <li>4. If there is not homogen heat distribution,check the fan.</li> </ol>
<b>THE APPLIANCE STOPPED</b>	<ol style="list-style-type: none"> <li>1. When the oven operating temperature is more than maximum temperature,the oven will get STOP position automatically.</li> <li>2. When there is gas leakage,if there is solenoid gas stopper alarm in the area,gas flow is stopped and the appliance is not operated.Ventilate the area with air vent.</li> </ol>
<b>BURNER ERROR</b>	<ol style="list-style-type: none"> <li>1. When there is error at burner, "brl" - "Er.3" warnings appear at temperature indicator with a turn and the appliance warns with voice.Burner reset outlet is activated when there is error.In this situation the appliance can not take STOP position.If the error can not be fixed reset the burner by pressing RESET button.</li> </ol>

- If cooking at convection ovens (gas) is not done at suitable quality
- If any function of security doesn't work
  - Do not use the appliance.

**\*If these problems are still going on,contact with our authorized services.**

## G INJECTOR CHANGE AND GAS SETTING

### CONVECTION OVENS (GAS ) BURNER-INJECTOR CHANGE CHART

NG / LPG		EMP.GKF-10		EMP.GKF-20		EMP.GKF-40		EMP.PFG8		
		Ø mm	X	Ø mm	X	Ø mm	X	Ø mm	X	
2	G20	Ø 1,20	19x	Ø 1,20	19x	Ø 1,20	26x	Ø 1,20	19x	
	G25	Ø 1,20	19x	Ø 1,20	19x	Ø 1,20	26x	Ø 1,20	19x	
3	G30	30 mbar	Ø 0,80	19x	Ø 0,80	19x	Ø 0,80	26x	Ø 0,80	19x
		50 mbar	Ø 0,80	19x	Ø 0,80	19x	Ø 0,80	26x	Ø 0,80	19x
	G31	37 mbar	Ø 0,80	19x	Ø 0,80	19x	Ø 0,80	26x	Ø 0,80	19x
		30 mbar	Ø 0,80	19x	Ø 0,80	19x	Ø 0,80	26x	Ø 0,80	19x

#### Change of Burner Injector;

1. Gas block that is connected to gas inlet is connected to "A" collector with spiral connection hose ( Image 1)
2. Injectors "B" is connected to collector that is connected to burner "C". (Image 2)
3. Change the oven injector "B" according to injector that is suitable to gas type and datas at the chart. (Image 2)

# CONVECTION OVEN (GAS)

## H GAS CONNECTION IMAGES

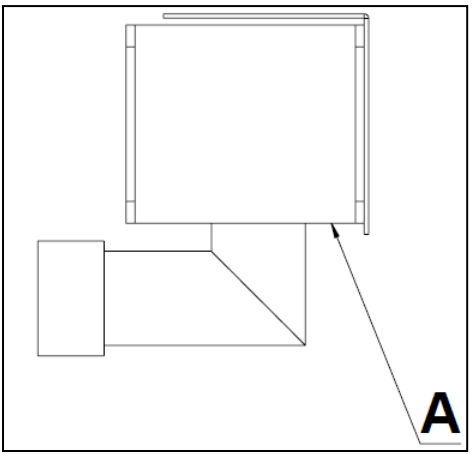


Image 1

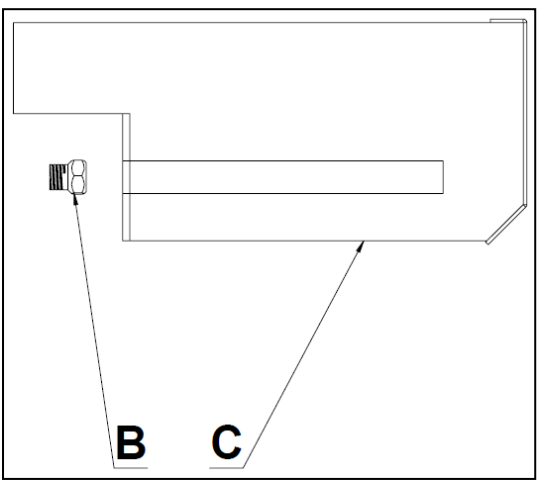
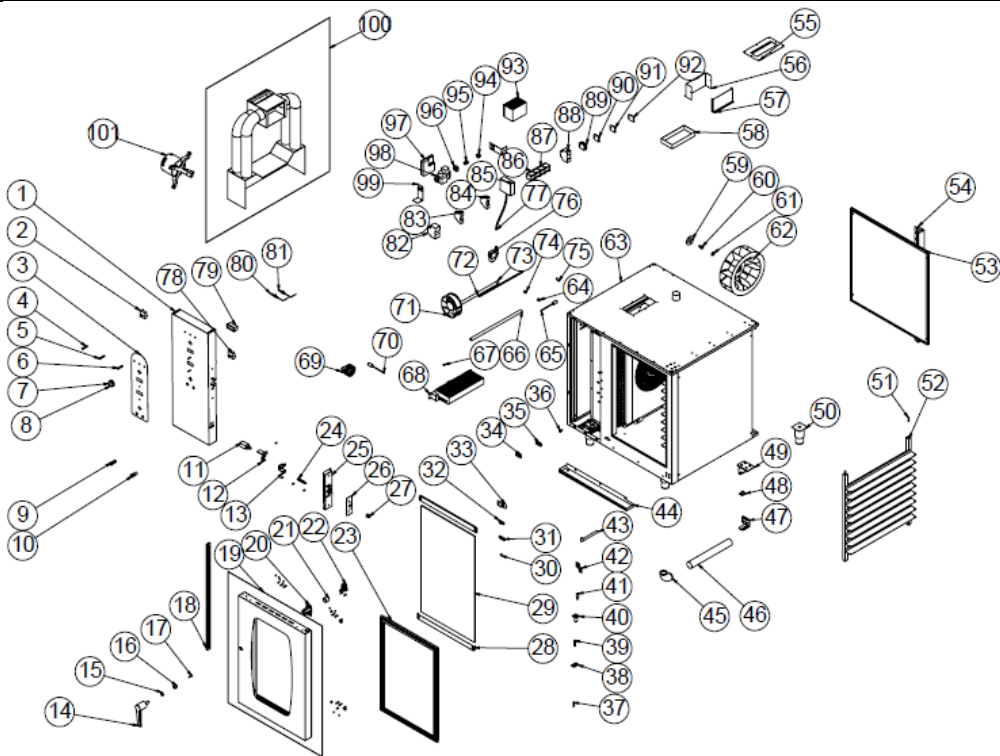


Image 2

## I SPARE PART LIST-EXPLODING DRAWING



PRODUCT CODE:EMP.GKF-10

NO	PRODUCT NAME	PRODUCT CODE
1	PANEL SHEET	YSC-KNX.PLS-LZ-0053
2	KEY RT.H044.01G100.5003219000	M.ELK-SLT-ANL-008
3	TICKET	M.AKS-ETK-LKS-087
4	WARNING LAMP	M.ELK-LMB-SNY-001
5	SIGNAL LAMP	M.ELK-LMB-SNY-002
6	WARNING LAMP	JP.M.ELK-LMB-SNY-003
7	BUTTON	JP.M.AKS-DGM-MUH-005
8	BUTTON SOCKET	M.AKS-DGM-SKT-004
9	BUTTON	JP.M.ELK-SLT-BTL-003
10	BUTTON	M.ELK-SLT-BTL-011
11	L5K13MIP311 240 V-3A SWITCH	JP.M.ELK-SWC-EMAS-001
12	DOOR LOCK STRIPE SHEET METAL	YSC-KNX.PLS-LZ-0076
13	COVER LOCK SHEET METAL	YSC-KNX.PLS-LZ-0019



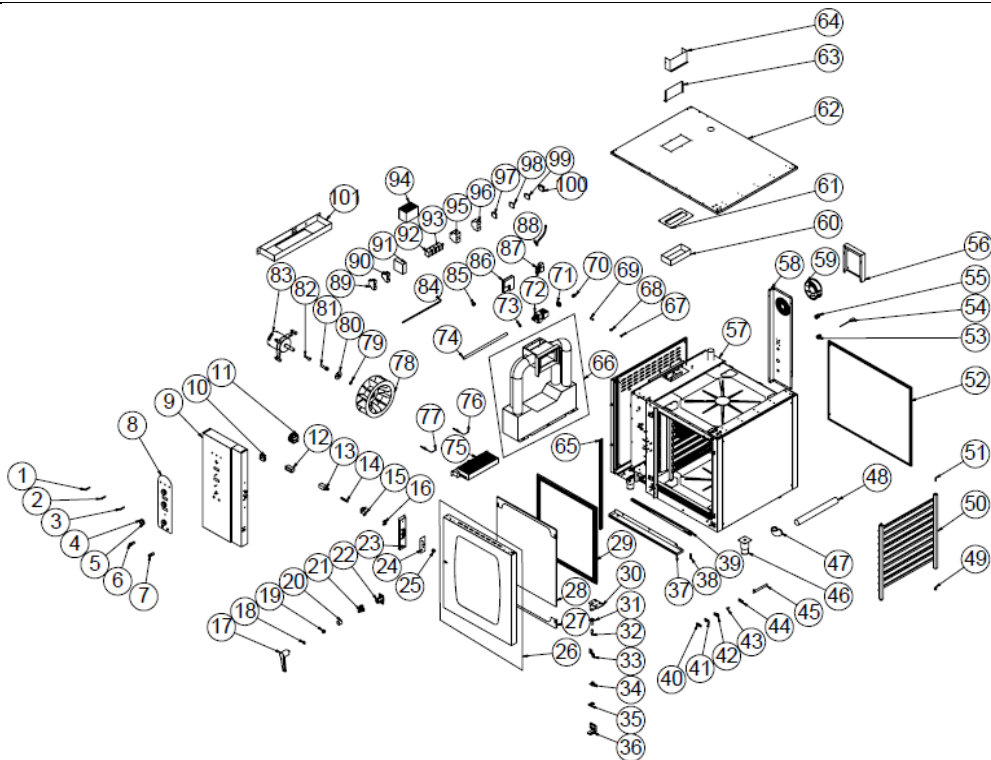
# CONVECTION OVEN (GAS)

14	HANDLE	M.ENJ-KNX-003
15	ORING 3,53 * Ø 20,22	M.CNT-ORG-NP4-20
16	BUSH	YTL-KNX.PLS-KS-0003
17	SHELF HANGER PIN	YTL-KNX.KFR-FS-0003
18	LED	JP.M.ELK-LMB-LED-001
19	COVER	ARA-KNX.PLS-0001
20	LID FITTING	M.DKM-HSS-PLS-001
21	BUSH	YTL-KNX.PLS-KS-0002
22	COVER LOCKING PART	M.DKM-HSS-PLS-002
23	GASKET	M.CNT-PLS-003
24	87 MM SQUARE SHAFT	YTL-KNX.PLS-KS-0010
25	PANEL SUPPORT SHEET METAL	YSC-KNX.PLS-LZ-0016
26	LOCK MATE	YSC-KNX.KFR-LZ-0239
27	COVER SUPPRESSION SHAFT	YTL-KNX.PLS-KS-0004
28	GLASS SHAFT	YSC-KNX.PLS-LZ-0079
29	914MM*530MM*6MM GLASS	M.CAM-TMP-PLS-001
30	Ø 12 STRAP PIECES	M.PLS-SLK-002
31	SWITCH WEDGE	M.ELK-SWC-OZEL-002
32	SWITCH	M.ELK-SWC-OZEL-001
33	GLASS FITTING SHEET METAL	YSC-KNX.PLS-LZ-0173
34	SWITCH	M.ELK-SWC-OZEL-003
35	SWITCH WEDGE	M.ELK-SWC-OZEL-004
36	DOOR SWITCH SCREW	YTL-KNX.KFR-FS-0001
37	SPRING 35*17	M.YAY-MUH-005
38	HINGE	M.DKM-HSS-PLS-003
39	WATER PIPE 50 MM	YBR-KNX.KFR-KS-0033
40	HINGE FITTING PART	M.DKM-HSS-PLS-005
41	COVER MECHANISM SHAFT (49 MM) Ø18	YTL-KNX.PLS-KS-0012
42	HINGE	JP.M.AKS-MNT-INX-001
43	DRAIN PIPE	YBR-KNX.KFR-KS-0034
44	WATER DRAIN SHEET METAL	YSC-KNX.PLS-LZ-0054
45	76*2MM ELBOW	M.MEK-TES-INX-004
46	DRAIN PIPE	YBR-KNX.PLS-KS-0002
47	BOTTOM HINGE	YSC-KNX.PLS-LZ-0021
48	LID FITTING	M.DKM-HSS-PLS-004
49	TOP HINGE	YSC-KNX.PLS-LZ-0020
50	15 CM LEG	M.AKS-AYK-INX-001
51	PIN	YTL-KNX.KFR-FS-0008
52	L TYPE TRAY RACK	M.AGC-TK-PLS-002
53	REAR OUTER SHEET	YSC-KNX.PLS-PN-0055
54	REAR CORNER SHEET METAL	YSC-KNX.PLS-PN-0039
55	CHIMNEY SHEET	YSC-KNX.KFR-PN-0104
56	CHIMNEY SHEET	YSC-KNX.KFR-PN-0103
57	CHIMNEY SHEET	YSC-KNX.KFR-PN-0102

58	CHIMNEY SHEET	YSC-KNX.KFR-PN-0105
59	ENGINE PROTECTION FLANGE	YTL-KNX.KFR-FS-0012
60	FAN FIXING WASHER	YSC-KNX.PLS-LZ-0090
61	ENGINE CONNECTION SCREW 30 MM	YTL-KNX.KFR-KS-0112
62	335*110 FAN	M.FAN-KON-335*110-001
63	CHASSIS	-
64	NOZZLE	M.AKS-NZL-SRI-001
65	120 CM J TYPE THERMOCOUPLE	M.ELK-EDM-JKT-001
66	3/4- 3/4 30 CM GAS FLEX	M.GAZ-TES-SPR-004
67	LPG M6*0.75 INJECTOR 0.80	M.GAZ-ENJ-LPG-001
68	30000 KCAL BURNERS	M.GAZ-BRL-ATM-001
69	110 °C THERMOSTAT	JP.M.ELK-MEK-TRM1-019
70	ENCODER	JP.M.ELK-EDM-DGT-010
71	FAN (BEARING)	M.ELK-HVL-KFN-003
72	1.5 METER HOSE	M.MEK-TES-HRT-006
73	3/4- 3/4 30 CM GAS FLEX	M.GAZ-TES-SPR-026
74	82 MM WATER FITTING NUT	YTL-KNX.KFR-KS-0013
75	STEAM ENTRY CONNECTION	YTL-KNX.KFR-KS-0090
76	SOLENOID VALVE 230VAC 1/4 T-GM	M.ELK-SLN-MTL-001
77	HOSE KIT	JP.M.MEK-TES-HRT-012
78	REGULATOR 240V 13A	JP.M.ELK-MEK-TRM1-017
79	DIGITAL THERMOSTAT	JP.M.ELK-EDM-DGT-001
80	Spark Plug Cable 1350 MM	M.GAZ-CKM-KBL-001
81	IGNITION PLUG	M.GAZ-CKM-BUJI-001
82	SWITCH	JP.M.ELK-SLT-MK-005
83	TIMING RELAY	JP.M.ELK-KNT-ROL-005
84	TIMING RELAY	JP.M.ELK-KNT-ROL-006
85	MDR 20-12 POWER SOURCE	JP.M.ELK-EDM-ERK-004
86	LA1KN22 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-026
87	GZ1AN11 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-029
88	EZ9F43104 4A FUSE	JP.M.ELK-SGR-012
89	TERMINAL	JP.M.ELK-KLM-036
90	AVK 6 TERMINAL	JP.M.ELK-KLM-008
91	TERMINAL	JP.M.ELK-KLM-024
92	AVK 6 TERMINAL	JP.M.ELK-KLM-040
93	LC1K0901M7 CONTACTOR	JP.M.ELK-KNT-KNT-020
94	REDUCTION BRASS 3/4-1/2	M.GAZ-PLT-PLC-006
95	CONNECTION 1/2	JP.M.MEK-TES-SRI-014
96	1/2 FLANGE 45900400-102B	M.GAZ-BLK-HNW-003
97	IGNITION BOARD S4565A2019B	M.GAZ-BLK-HNW-002
98	GAS BLOCK VK4105A1001B	M.GAZ-BLK-HNW-001
99	CONEXION SHEET	YSC-KNX.KFR-LZ-0253
100	HELL	ARA-KNX.KFR-0011
101	3042*V200*240/480 4/6P ENGINE	M.ELK-MTR-FMT-001

# CONVECTION OVEN (GAS)

## I SPARE PART LIST-EXPLODING DRAWING



PRODUCT CODE:EMP.GKF-20

NO	PRODUCT NAME	PRODUCT CODE
1	WARNING LAMP	M.ELK-LMB-SNY-001
2	SIGNAL LAMP	M.ELK-LMB-SNY-002
3	WARNING LAMP	JP.M.ELK-LMB-SNY-003
4	BUTTON	JP.M.AKS-DGM-MUH-005
5	BUTTON SOCKET	M.AKS-DGM-SKT-004
6	BUTTON	JP.M.ELK-SLT-BTL-003
7	BUTTON	M.ELK-SLT-BTL-011
8	TICKET	M.AKS-ETK-LKS-087
9	PANEL SHEET	YSC-KNX.PLS-LZ-0038
10	REGULATOR 240V 13A	JP.M.ELK-MEK-TRM1-017
11	110 °C THERMOSTAT	JP.M.ELK-MEK-TRM1-019
12	DIGITAL THERMOSTAT	JP.M.ELK-EDM-DGT-001
13	L5K13MIP311 240 V-3A SWITCH	JP.M.ELK-SWC-EMAS-001

14	87 MM SQUARE SHAFT	YTL-KNX.PLS-KS-0010
15	COVER LOCK SHEET METAL	YSC-KNX.PLS-LZ-0019
16	DOOR LOCK STRIPE SHEET METAL	YSC-KNX.PLS-LZ-0076
17	HANDLE	M.ENJ-KNX-003
18	ORING 3,53 * $\varnothing$ 20,22	M.CNT-ORG-NP4-20
19	BUSH	YTL-KNX.PLS-KS-0003
20	BUSH	YTL-KNX.PLS-KS-0002
21	COVER LOCKING PART	M.DKM-HSS-PLS-002
22	LID FITTING	M.DKM-HSS-PLS-001
23	PANEL SUPPORT SHEET METAL	YSC-KNX.PLS-LZ-0016
24	LOCK MATE	YSC-KNX.KFR-LZ-0239
25	COVER SUPPRESSION SHAFT	YTL-KNX.PLS-KS-0004
26	COVER	ARA-KNX.PLS-0003
27	GLASS MILL	YSC-KNX.PLS-LZ-0080
28	780MM*685MM*6MM GLASS	M.CAM-TMP-PLS-005
29	GASKET	M.CNT-PLS-001
30	TOP HINGE	YSC-KNX.PLS-LZ-0020
31	HINGE FITTING PART	M.DKM-HSS-PLS-005
32	COVER MECHANISM SHAFT (49 MM) $\varnothing$ 18	YTL-KNX.PLS-KS-0012
33	HINGE	JP.M.AKS-MNT-INX-001
34	LID FITTING	M.DKM-HSS-PLS-004
35	HINGE	M.DKM-HSS-PLS-003
36	BOTTOM HINGE	YSC-KNX.PLS-LZ-0021
37	DISCHARGE SHEET METAL	YSC-KNX.KFR-LZ-0245
38	WATER PIPE 50 MM	YBR-KNX.KFR-KS-0033
39	INTERIOR COVER SHEET METAL	YSC-KNX.PLS-LZ-0168
40	SWITCH WEDGE	M.ELK-SWC-OZEL-002
41	SWITCH	M.ELK-SWC-OZEL-001
42	SWITCH	M.ELK-SWC-OZEL-003
43	PIN	YTL-KNX.KFR-FS-0010
44	SWITCH WEDGE	M.ELK-SWC-OZEL-004
45	DRAIN PIPE	YBR-KNX.KFR-KS-0034
46	15 CM LEG	M.AKS-AYK-INX-001
47	51*2MM ELBOW	JP.M.MEK-TES-INX-003
48	DRAIN PIPE	YBR-KNX.PLS-KS-0012
49	HANGER PIN	YTL-KNX.KFR-KS-0040
50	U TYPE TRAY RACK	M.AGC-TK-PLS-003
51	PIN	YTL-KNX.KFR-FS-0008
52	REAR OUTER SHEET	YSC-KNX.PLS-PN-0034
53	REDUCTION BRASS 3/4-1/2	M.GAZ-PLT-PLC-006
54	120 CM J TYPE THERMOCOUPLE	M.ELK-EDM-JKT-001
55	PG-11 CABLE FITTING	M.ELK-RKR-PLS-003
56	COVER SHEET	YSC-KNX.KFR-PN-0504
57	CHASSIS	-

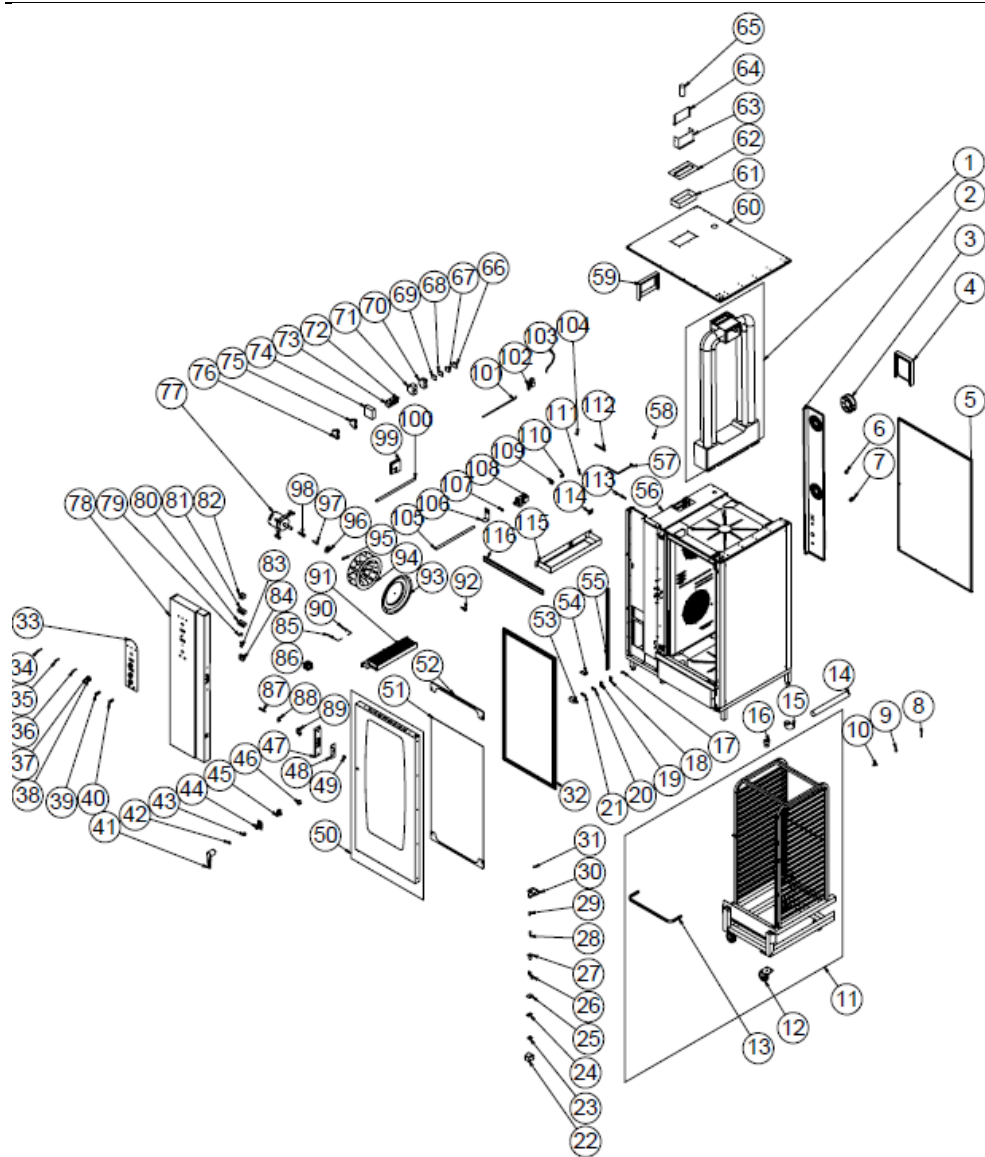




# CONVECTION OVEN (GAS)

58	REAR CORNER SHEET METAL	YSC-KNX.PLS-LZ-0095
59	FAN (BEARING)	M.ELK-HVL-KFN-003
60	CHIMNEY SHEET	YSC-KNX.KFR-PN-0105
61	CHIMNEY SHEET	YSC-KNX.KFR-PN-0104
62	TOP TABLE SHEET	YSC-KNX.PLS-PN-0024
63	CHIMNEY SHEET	YSC-KNX.KFR-PN-0102
64	CHIMNEY SHEET	YSC-KNX.KFR-PN-0103
65	LED	JP.M.ELK-LMB-LED-001
66	HELL	ARA-KNX.PLS-0012
67	WATER PIPE 36 CM	YBR-KNX.KFR-KS-0021
68	NOZZLE	M.AKS-NZL-SRI-001
69	STEAM ENTRY CONNECTION	YTL-KNX.KFR-KS-0090
70	CONNECTION 1/2	JP.M.MEK-TES-SRI-014
71	1/2 FLANGE 45900400-102B	M.GAZ-BLK-HNW-003
72	GAS BLOCK VK4105A1001B	M.GAZ-BLK-HNW-001
73	GASKET	M.CNT-PLS-KLN-14*24*2
74	3/4- 3/4 30 CM GAS FLEX	M.GAZ-TES-SPR-004
75	30000 KCAL BURNERS	M.GAZ-BRL-ATM-001
76	Spark Plug Cable 1350 MM	M.GAZ-CKM-KBL-001
77	IGNITION PLUG	M.GAZ-CKM-BUJI-001
78	335*110 FAN	M.FAN-KON-335*110-001
79	FAN FIXING WASHER	YSC-KNX.PLS-LZ-0090
80	ENGINE PROTECTION FLANGE	YTL-KNX.KFR-FS-0012
81	INPUT PART	YTL-KNX.KFR-KS-0011
82	ENGINE CONNECTION SCREW 30 MM	YTL-KNX.KFR-KS-0112
83	3042*V200*240/480 4/6P ENGINE	M.ELK-MTR-FMT-001
84	1.5 METER HOSE	M.MEK-TES-HRT-006
85	REDUCTION BRASS 3/4-1/2	M.GAZ-PLT-PLC-006
86	IGNITION BOARD S4565A2019B	M.GAZ-BLK-HNW-002
87	SOLENOID VALVE 230VAC 1/4 T-GM	M.ELK-SLN-MTL-001
88	HOSE KIT	JP.M.MEK-TES-HRT-013
89	TIMING RELAY	JP.M.ELK-KNT-ROL-005
90	TIMING RELAY	JP.M.ELK-KNT-ROL-006
91	MDR 20-12 POWER SOURCE	JP.M.ELK-EDM-ERK-004
92	LA1KN22 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-026
93	GZ1AN11 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-029
94	LC1K0901M7 CONTACTOR	JP.M.ELK-KNT-KNT-020
95	SWITCH	JP.M.ELK-SLT-MK-005
96	EZ9F43104 4A FUSE	JP.M.ELK-SGR-012
97	AVK 6 TERMINAL	JP.M.ELK-KLM-008
98	TERMINAL	JP.M.ELK-KLM-024
99	AVK 6 TERMINAL	JP.M.ELK-KLM-040
100	TERMINAL	JP.M.ELK-KLM-036
101	CONEXION SHEET	YSC-KNX.KFR-LZ-0252

## I SPARE PART LIST-EXPLODING DRAWING





# CONVECTION OVEN (GAS)

## I SPARE PART LIST-EXPLODING DRAWING

PRODUCT CODE:EMP.GKF-40		
NO	PRODUCT NAME	PRODUCT CODE
1	HELL	ARA-KNX.PLS-0009
2	REAR CORNER SHEET METAL	YSC-KNX.PLS-LZ-0094
3	FAN (BEARING)	M.ELK-HVL-KFN-003
4	COVER SHEET	YSC-KNX.KFR-PN-0504
5	REAR OUTER SHEET	YSC-KNX.PLS-PN-0009
6	REDUCTION BRASS 3/4-1/2	M.GAZ-PLT-PLC-006
7	PG-11 CABLE FITTING	M.ELK-RKR-PLS-003
8	PIN	YTL-KNX.KFR-FS-0008
9	HANGER PIN	YTL-KNX.KFR-KS-0040
10	LOCK SHEET	YSC-KNX.KFR-LZ-0029
11	TRAY TROLLEY	ARA-KNX.PLS-0006
12	100*30 WHEEL	JP.M.AKS-TKR-KS-002
13	PROFILE HANDLE (20*10) 850 MM	YPR-KNX.PLS-KS-0022
14	DRAIN PIPE	YBR-KNX.PLS-KS-0012
15	51*2MM ELBOW	JP.M.MEK-TES-INX-003
16	ROLLER FOOT	M.MUH-AYK-40*40-001
17	DOOR SWITCH SCREW	YTL-KNX.KFR-FS-0001
18	SWITCH	M.ELK-SWC-OZEL-003
19	SWITCH WEDGE	M.ELK-SWC-OZEL-004
20	SWITCH	M.ELK-SWC-OZEL-001
21	SWITCH WEDGE	M.ELK-SWC-OZEL-002
22	COVER BOTTOM HINGE SHEET METAL	YSC-KNX.PLS-LZ-0022
23	LID FITTING	M.DKM-HSS-PLS-004
24	HINGE	M.DKM-HSS-PLS-003
25	COVER BOTTOM HINGE WASHER	YSC-KNX.PLS-LZ-0023
26	HINGE	JP.M.AKS-MNT-INX-001
27	HINGE FITTING PART	M.DKM-HSS-PLS-005
28	COVER MECHANISM SHAFT (49 MM) Ø18	YTL-KNX.PLS-KS-0012
29	SPRING 35*17	M.YAY-MUH-005
30	TOP HINGE	YSC-KNX.PLS-LZ-0089
31	Ø 12 STRAP PIECES	M.PLS-SLK-002
32	GASKET	M.CNT-PLS-002
33	TICKET	M.AKS-ETK-LKS-087
34	WARNING LAMP	M.ELK-LMB-SNY-001
35	SIGNAL LAMP	M.ELK-LMB-SNY-002
36	WARNING LAMP	JP.M.ELK-LMB-SNY-003

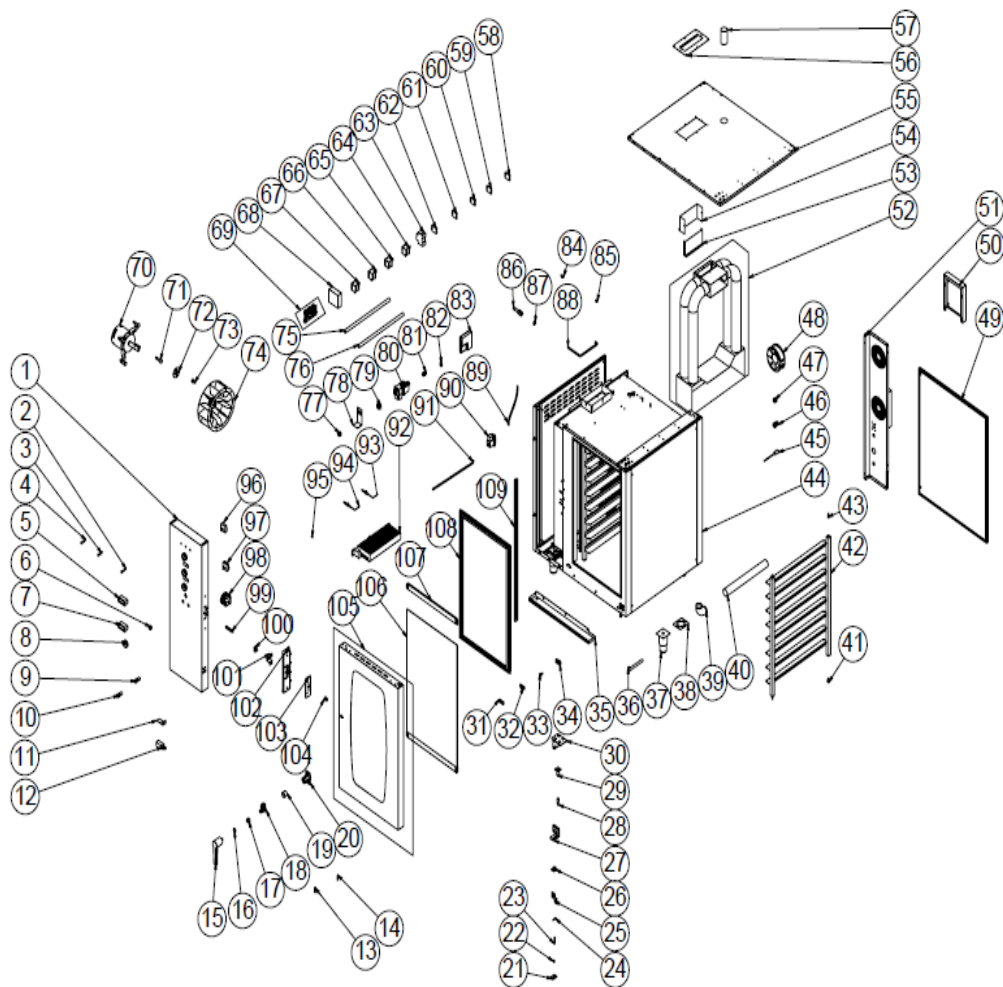
37	BUTTON	JP.M.AKS-DGM-MUH-005
38	BUTTON SOCKET	M.AKS-DGM-SKT-004
39	BUTTON	JP.M.ELK-SLT-BTL-003
40	BUTTON	M.ELK-SLT-BTL-011
41	HANDLE	M.ENJ-KNX-003
42	ORING 3,53 * Ø 20,22	M.CNT-ORG-NP4-20
43	BUSH	YTL-KNX.PLS-KS-0003
44	LID FITTING	M.DKM-HSS-PLS-001
45	COVER LOCKING PART	M.DKM-HSS-PLS-002
46	BUSH	YTL-KNX.PLS-KS-0002
47	PANEL SUPPORT SHEET METAL	YSC-KNX.PLS-LZ-0016
48	LOCK MATE	YSC-KNX.KFR-LZ-0239
49	COVER SUPPRESSION SHAFT	YTL-KNX.PLS-KS-0004
50	COVER	ARA-KNX.PLS-0005
51	1385MM*685MM*6 MM GLASS	M.CAM-TMP-PLS-006
52	GLASS MILL	YSC-KNX.PLS-LZ-0080
53	L5K13MIP311 240 V-3A SWITCH	JP.M.ELK-SWC-EMAS-001
54	CONEXION SHEET	YSC-KNX.KFR-LZ-0020
55	LED	JP.M.ELK-LMB-LED-001
56	CHASSIS	-
57	WATER PIPE 36 CM	YBR-KNX.KFR-KS-0021
58	NOZZLE	M.AKS-NZL-SRI-001
59	STEERING SHEET METAL	YSC-KNX.KFR-PN-0042
60	TOP TABLE SHEET	YSC-KNX.PLS-PN-0024
61	CHIMNEY SHEET	YSC-KNX.KFR-PN-0105
62	CHIMNEY SHEET	YSC-KNX.KFR-PN-0104
63	CHIMNEY SHEET	YSC-KNX.KFR-PN-0103
64	CHIMNEY SHEET	YSC-KNX.KFR-PN-0102
65	FLUE PIPE 100 MM	YBR-KNX.KFR-KS-0018
66	TERMINAL	JP.M.ELK-KLM-036
67	AVK 6 TERMINAL	JP.M.ELK-KLM-008
68	TERMINAL	JP.M.ELK-KLM-024
69	AVK 6 TERMINAL	JP.M.ELK-KLM-040
70	EZ9F43104 4A FUSE	JP.M.ELK-SGR-012
71	LC1K0901M7 CONTACTOR	JP.M.ELK-KNT-KNT-020
72	LA1KN22 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-026
73	GZ1AN11 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-029
74	MDR 20-12 POWER SOURCE	JP.M.ELK-EDM-ERK-004
75	TIMING RELAY	JP.M.ELK-KNT-ROL-005
76	TIMING RELAY	JP.M.ELK-KNT-ROL-006



# CONVECTION OVEN (GAS)

77	3042*V200*240/480 4/6P ENGINE	M.ELK-MTR-FMT-001
78	PANEL SHEET	YSC-KNX.PLS-LZ-0006
79	ENCODER	JP.M.ELK-EDM-DGT-010
80	DIGITAL THERMOSTAT	JP.M.ELK-EDM-DGT-001
81	DIGITAL TIMER 230V	M.ELK-EDM-DGT-012
82	KEY RT.H044.01G100.5003219000	M.ELK-SLT-ANL-008
83	SHEET METAL	YSC-KNX.SPO-LZ-0193
84	REGULATOR 240V 13A	JP.M.ELK-MEK-TRM1-017
85	Spark Plug Cable 1350 MM	M.GAZ-CKM-KBL-001
86	110 °C THERMOSTAT	JP.M.ELK-MEK-TRM1-019
87	87 MM SQUARE SHAFT	YTL-KNX.PLS-KS-0010
88	DOOR LOCK STRIPE SHEET METAL	YSC-KNX.PLS-LZ-0076
89	COVER LOCK SHEET METAL	YSC-KNX.PLS-LZ-0019
90	IGNITION PLUG	M.GAZ-CKM-BUJI-001
91	40000 KCAL BURNERS	M.GAZ-BRL-ATM-002
92	ENGINE CONNECTION SCREW 30 MM	YTL-KNX.KFR-KS-0112
93	AIR COLLECTION SHEET METAL	YSC-KNX.PLS-LZ-0083
94	335*110 FAN	M.FAN-KON-335*110-001
95	FAN FIXING WASHER	YSC-KNX.PLS-LZ-0090
96	ENGINE PROTECTION FLANGE	YTL-KNX.KFR-FS-0012
97	ENGINE CONNECTION PIN 60 MM	YTL-KNX.PLS-KS-0001
98	INPUT PART	YTL-KNX.KFR-KS-0011
99	IGNITION BOARD S4565A2019B	M.GAZ-BLK-HNW-002
100	3/4- 3/4 30 CM GAS FLEX	M.GAZ-TES-SPR-004
101	1.5 METER HOSE	M.MEK-TES-HRT-006
102	SOLENOID VALVE 230VAC 1/4 T-GM	M.ELK-SLN-MTL-001
103	HOSE KIT	M.MEK-TES-HRT-014
104	STEAM ENTRY CONNECTION	YTL-KNX.KFR-KS-0090
105	3/4- 3/4 30 CM GAS FLEX	M.GAZ-TES-SPR-026
106	CONEXION SHEET	YSC-KNX.KFR-LZ-0253
107	GASKET	M.CNT-PLS-KLN-14*24*2
108	GAS BLOCK VK4105A1001B	M.GAZ-BLK-HNW-001
109	1/2 FLANGE 45900400-102B	M.GAZ-BLK-HNW-003
110	CONNECTION 1/2	JP.M.MEK-TES-SRI-014
111	LPG M6*0.75 INJECTOR 0.80	M.GAZ-ENJ-LPG-001
112	WATER PIPE 36 CM	YBR-KNX.KFR-KS-0021
113	120 CM J TYPE THERMOCOUPLE	M.ELK-EDM-JKT-001
114	CONEXION SHEET	YSC-KNX.KFR-LZ-0118
115	CONEXION SHEET	YSC-KNX.KFR-LZ-0078
116	GASKET	HCN-LAS-PLS-001

## I SPARE PART LIST- EXPLODING DRAWING



# CONVECTION OVEN (GAS)

## I SPARE PART LIST- EXPLODING DRAWING

PRODUCT CODE:EMP.PFG8		
NO	PRODUCT NAME	PRODUCT CODE
1	PANEL SHEET	YSC-KNX.PLS-LZ-0068
2	WARNING LAMP	M.ELK-LMB-SNY-001
3	SIGNAL LAMP	M.ELK-LMB-SNY-002
4	WARNING LAMP	JP.M.ELK-LMB-SNY-003
5	DIGITAL THERMOSTAT	JP.M.ELK-EDM-DGT-001
6	BUTTON SOCKET	M.AKS-DGM-SKT-004
7	DIGITAL TIMER 230V	M.ELK-EDM-DGT-012
8	BUTTON	JP.M.AKS-DGM-MUH-005
9	BUTTON	JP.M.ELK-SLT-BTL-003
10	BUTTON	M.ELK-SLT-BTL-011
11	CONEXION SHEET	YSC-KNX.KFR-LZ-0020
12	L5K13MIP311 240 V-3A SWITCH	JP.M.ELK-SWC-EMAS-001
13	DOOR SWITCH SPRING	M.YAY-KNV-002
14	SPRING 35*17	M.YAY-MUH-005
15	HANDLE	M.ENJ-KNX-003
16	ORING 3,53 * Ø 20,22	M.CNT-ORG-NP4-20
17	BUSH	YTL-KNX.PLS-KS-0003
18	COVER LOCKING PART	M.DKM-HSS-PLS-002
19	BUSH	YTL-KNX.PLS-KS-0002
20	LID FITTING	M.DKM-HSS-PLS-001
21	HINGE	M.DKM-HSS-PLS-003
22	Ø 12 STRAP PIECES	M.PLS-SLK-002
23	WATER PIPE 50 MM	YBR-KNX.KFR-KS-0033
24	SHELF HANGER PIN	YTL-KNX.KFR-FS-0003
25	HINGE	JP.M.AKS-MNT-INX-001
26	LID FITTING	M.DKM-HSS-PLS-004
27	BOTTOM HINGE	YSC-KNX.PLS-LZ-0021
28	COVER MECHANISM SHAFT (49 MM) Ø18	YTL-KNX.PLS-KS-0012
29	HINGE FITTING PART	M.DKM-HSS-PLS-005
30	TOP HINGE	YSC-KNX.PLS-LZ-0020
31	SWITCH WEDGE	M.ELK-SWC-OZEL-002
32	SWITCH	M.ELK-SWC-OZEL-001
33	DOOR SWITCH SCREW	YTL-KNX.KFR-FS-0001
34	SWITCH	M.ELK-SWC-OZEL-003

35	WATER DRAIN SHEET METAL	YSC-KNX.PLS-LZ-0054
36	DRAIN PIPE	YBR-KNX.KFR-KS-0034
37	15 CM LEG	M.AKS-AYK-INX-001
38	EXPENSE CONNECTION SHEET METAL	YSC-KNX.PLS-LZ-0085
39	51*2MM ELBOW	JP.M.MEK-TES-INX-003
40	DRAIN PIPE	YBR-KNX.PLS-KS-0002
41	HANGER PIN	YTL-KNX.KFR-KS-0040
42	L TYPE TRAY RACK	M.AGC-TK-PLS-001
43	PIN	YTL-KNX.KFR-FS-0008
44	CHASSIS	-
45	120 CM J TYPE THERMOCOUPLE	M.ELK-EDM-JKT-001
46	PG-11 CABLE FITTING	M.ELK-RKR-PLS-003
47	REDUCTION BRASS 3/4-1/2	M.GAZ-PLT-PLC-006
48	FAN (BEARING)	M.ELK-HVL-KFN-003
49	REAR OUTER SHEET	YSC-KNX.PLS-PN-0068
50	COVER SHEET	YSC-KNX.KFR-PN-0504
51	REAR CORNER SHEET METAL	YSC-KNX.PLS-LZ-0097
52	HELL	ARA-KNX.PLS-0014
53	CHIMNEY SHEET	YSC-KNX.KFR-PN-0102
54	CHIMNEY SHEET	YSC-KNX.KFR-PN-0103
55	TOP TABLE SHEET	YSC-KNX.PLS-PN-0060
56	CHIMNEY SHEET	YSC-KNX.KFR-PN-0104
57	FLUE PIPE 100 MM	YBR-KNX.KFR-KS-0018
58	AVK 6 TERMINAL	JP.M.ELK-KLM-008
59	TERMINAL	JP.M.ELK-KLM-024
60	TERMINAL	JP.M.ELK-KLM-028
61	TERMINAL	JP.M.ELK-KLM-036
62	TERMINAL	JP.M.ELK-KLM-039
63	EZ9F43104 4A FUSE	JP.M.ELK-SGR-012
64	LC1K0901M7 CONTACTOR	JP.M.ELK-KNT-KNT-020
65	LA1KN22 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-026
66	GZ1AN11 AUXILIARY CONTACT	JP.M.ELK-KNT-KNT-029
67	SWITCH	JP.M.ELK-SLT-MK-005
68	MDR 20-12 POWER SOURCE	JP.M.ELK-EDM-ERK-004
69	ELECTRIC PANEL	M.ELK-AKE-GKF-010
70	3042*V200*240/480 4/6P ENGINE	M.ELK-MTR-FMT-001
71	ENGINE CONNECTION PIN 60 MM	YTL-KNX.PLS-KS-0001
72	ENGINE PROTECTION FLANGE	YTL-KNX.KFR-FS-0012

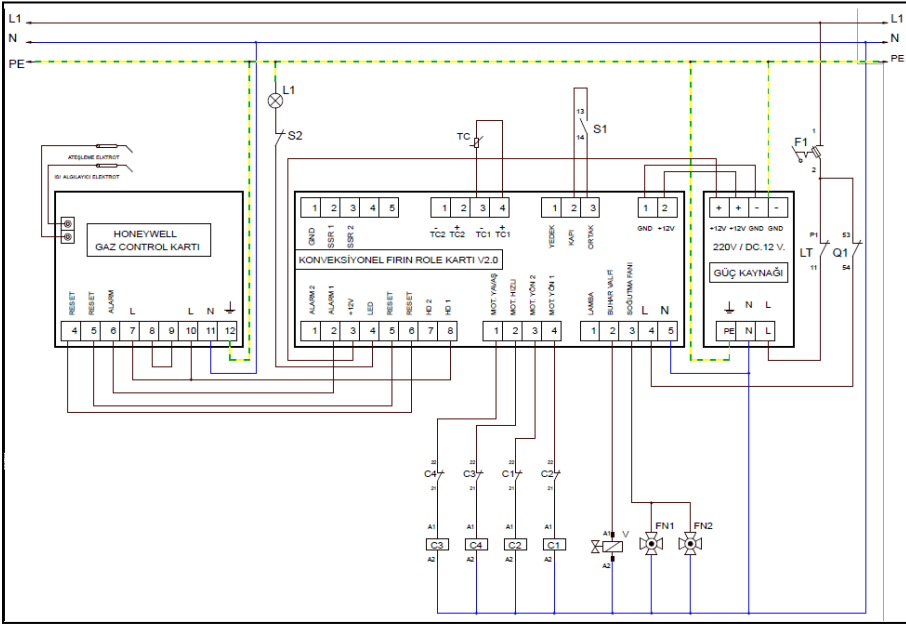




# CONVECTION OVEN (GAS)

73	ENGINE CONNECTION SCREW 30 MM	YTL-KNX.KFR-KS-0112
74	Ø300 FAN	M.FAN-KON-300*110-001
75	3/4- 3/4 30 CM GAS FLEX	M.GAZ- TES-SPR-004
76	3/4- 3/4 30 CM GAS FLEX	M.GAZ- TES-SPR-026
77	REDUCTION BRASS 3/4-1/2	M.GAZ-PLT-PLC-006
78	CONEXION SHEET	YSC-KNX.KFR-LZ-0253
79	1/2 FLANGE 45900400-102B	M.GAZ-BLK-HNW-003
80	GAS BLOCK VK4105A1001B	M.GAZ-BLK-HNW-001
81	CONNECTION 1/2	JP.M.MEK- TES-SRI-014
82	GASKET	M.CNT-PLS-KLN-14*24*2
83	IGNITION BOARD S4565A2019B	M.GAZ-BLK-HNW-002
84	NOZZLE	M.AKS-NZL-SRI-001
85	STEAM ENTRY CONNECTION	YTL-KNX.KFR-KS-0090
86	INPUT PART	YTL-KNX.KFR-KS-0011
87	82 MM WATER FITTING NUT	YTL-KNX.KFR-KS-0013
88	WATER PIPE 36 CM	YBR-KNX.KFR-KS-0021
89	HOSE KIT	JP.M.MEK- TES-HRT-011
90	SOLENOID VALVE 230VAC 1/4 T-GM	M.ELK-SLN-MTL-001
91	1.5 METER HOSE	M.MEK- TES-HRT-006
92	30000 KCAL BURNERS	M.GAZ-BRL-ATM-001
93	Spark Plug Cable 1350 MM	M.GAZ-CKM-KBL-001
94	IGNITION PLUG	M.GAZ-CKM-BUJI-001
95	LPG M6*0.75 INJECTOR 0.80	M.GAZ-ENJ-LPG-001
96	REGULATOR 240V 13A	JP.M.ELK-MEK-TRM1-017
97	KEY RT.H044.01G100.5003219000	M.ELK-SLT-ANL-008
98	110 °C THERMOSTAT	JP.M.ELK-MEK-TRM1-019
99	87 MM SQUARE SHAFT	YTL-KNX.PLS-KS-0010
100	DOOR LOCK STRIPE SHEET METAL	YSC-KNX.PLS-LZ-0076
101	COVER LOCK SHEET METAL	YSC-KNX.PLS-LZ-0019
102	PANEL SUPPORT SHEET METAL	YSC-KNX.PLS-LZ-0016
103	LOCK MATE	YSC-KNX.KFR-LZ-0239
104	COVER SUPPRESSION SHAFT	YTL-KNX.PLS-KS-0004
105	COVER	ARA-KNX.PLS-0008
106	990MM*565MM*6MM GLASS	M.CAM-TMP-PLS-008
107	GLASS SHAFT	YSC-KNX.PLS-LZ-0079
108	GASKET	M.CNT-PLS-004
109	LED	JP.M.ELK-LMB-LED-001

## J ELECTRIC CIRCUIT SCHEMA

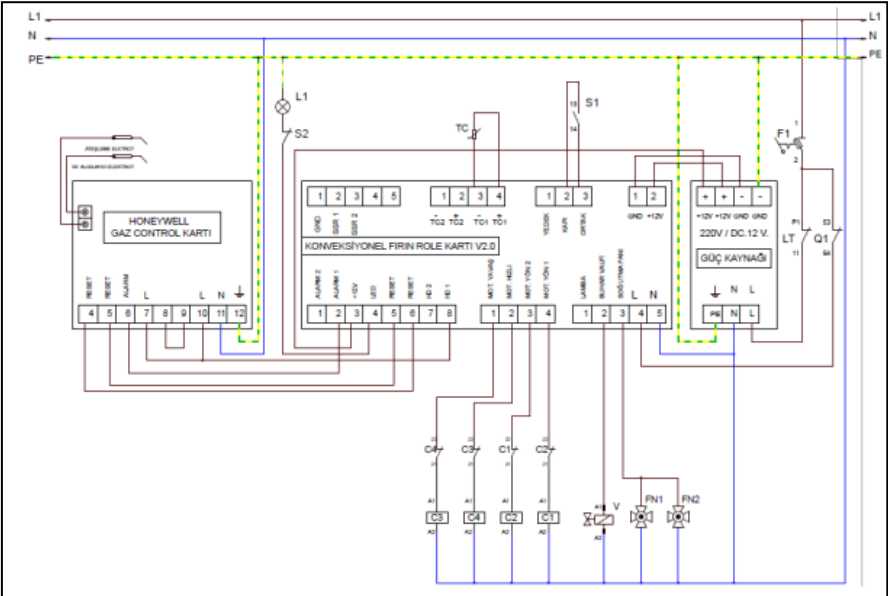


EMP.PFG8

<b>F1</b>	Control panel fuse 2 A
<b>C1</b>	Fan right direction contactor 20 A 220V
<b>C2</b>	Fan left direction contactor 20 A 220V
<b>C3</b>	Fan 1.speed contactor 20 A 220V
<b>C4</b>	Fan 2.speed contactor 20 A 220V
<b>Q1</b>	1. speed motor safety thermic 4-6 Amper
<b>R3</b>	Motor right left contactor relay 220V
<b>R1</b>	Cooling fan relay 220V
<b>R2</b>	Honeywell heater relay 220V
<b>V</b>	Gas valve
<b>LT</b>	Limit thermostat 360°C
<b>S1</b>	Door alarm switch
<b>S2</b>	Door lamp switch
<b>TC</b>	Thermocouple (TC M06-L 150-K01K)
<b>L1</b>	Inner lighting lamp LED 12VDC
<b>FN1.FN2</b>	Cooling fan 220V
<b>M1</b>	Inner air circulation fan motor 0,55 Kw 900-1400 rpm

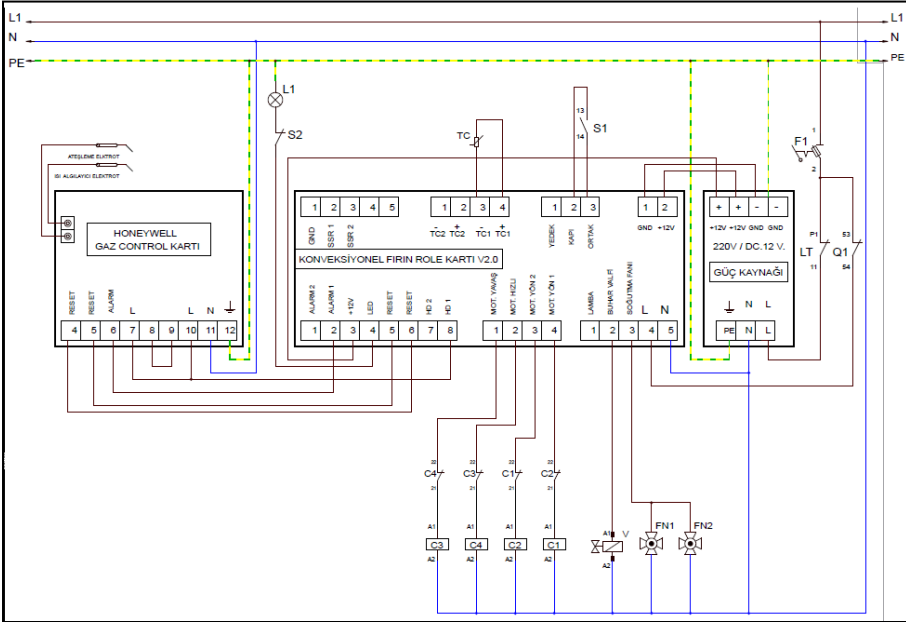
# CONVECTION OVEN (GAS)

## J ELECTRIC CIRCUIT SCHEMA



EMP.GKF-10 – EMP.GKF-20

## J ELECTRIC CIRCUIT SCHEMA

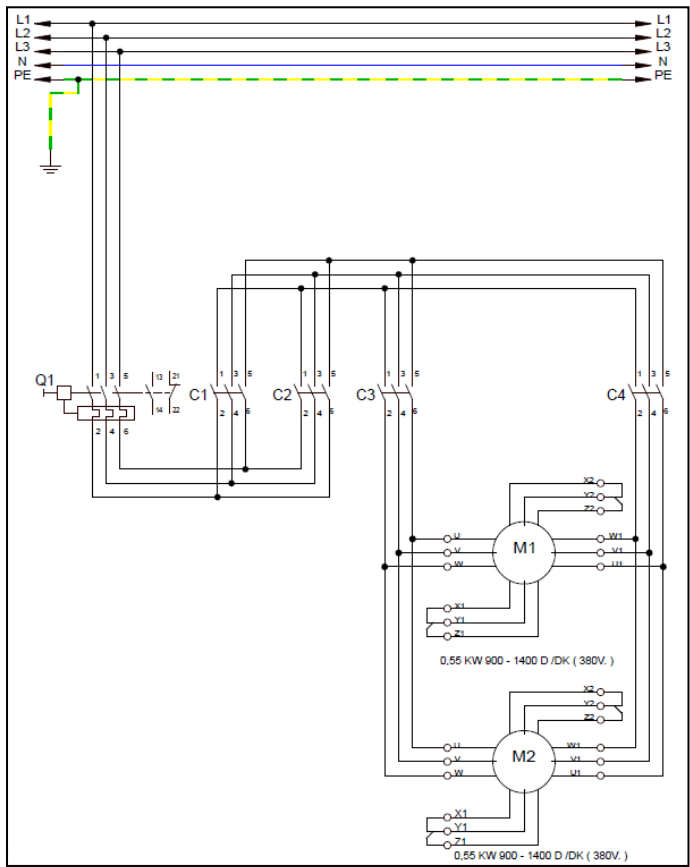


EMP.GKF-40

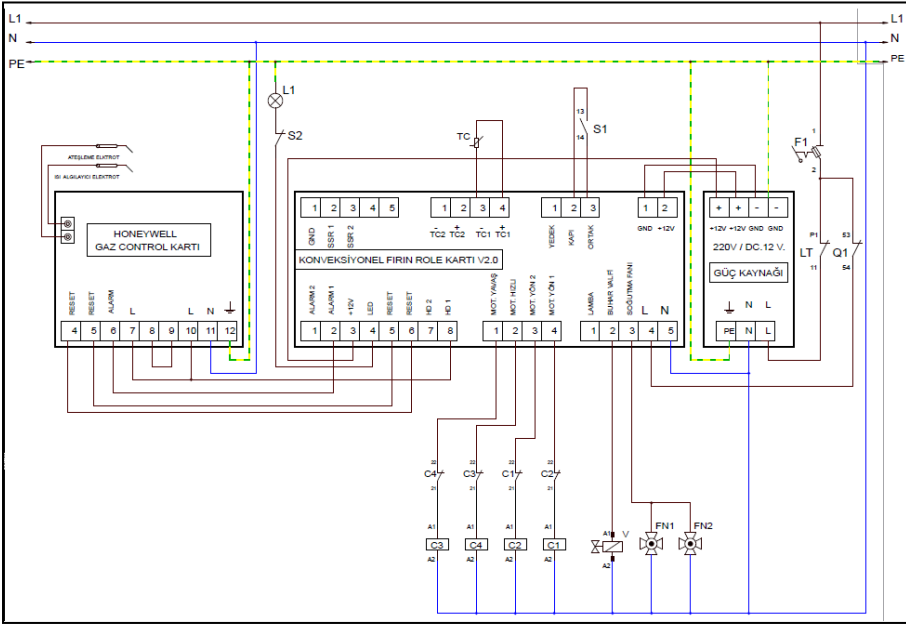
<b>F1</b>	Control panel fuse 2 mA
<b>C4</b>	Motor movement contactor 220V
<b>C1</b>	Fan right contactor 220V
<b>C2</b>	Fan left contactor 220V
<b>C3</b>	Motor movement contactor 220V
<b>Q1</b>	Motor Safety Relay 4-6 Amper
<b>R1</b>	Cooler fas relay 220V
<b>R2</b>	Honeywell Gas Reset Relay 220V
<b>R3</b>	Motor right left contactor relay 220V
<b>V</b>	Gas valve
<b>LT</b>	Limit thermostat 360°C
<b>S1</b>	Gate alarm switch
<b>S2</b>	Gate lamp switch
<b>TC</b>	Thermocouple (TC M06-L 150-K01K)
<b>L1</b>	Inner lighting lamp 12V
<b>FAN1.FAN2</b>	Cooler fan 220V
<b>M1</b>	Inner air circulation fan motor 0,55 Kw 900-1400 rpm

# CONVECTION OVEN (GAS)

## J ELECTRIC CIRCUIT SCHEMA



## J ELECTRIC CIRCUIT SCHEMA



EMP.PFG8

<b>F1</b>	Control panel fuse 2 A
<b>C1</b>	Fan right direction contactor 20 A 220V
<b>C2</b>	Fan left direction contactor 20 A 220V
<b>C3</b>	Fan 1.speed contactor 20 A 220V
<b>C4</b>	Fan 2.speed contactor 20 A 220V
<b>Q1</b>	1. speed motor safety thermic 4-6 Amper
<b>R3</b>	Motor right left contactor relay 220V
<b>R1</b>	Cooling fan relay 220V
<b>R2</b>	Honeywell heater relay 220V
<b>V</b>	Gas valve
<b>LT</b>	Limit thermostat 360°C
<b>S1</b>	Door alarm switch
<b>S2</b>	Door lamp switch
<b>TC</b>	Thermocouple (TC M06-L 150-K01K)
<b>L1</b>	Inner lighting lamp LED 12VDC
<b>FN1.FN2</b>	Cooling fan 220V
<b>M1</b>	Inner air circulation fan motor 0,55 Kw 900-1400 rpm

# CONVECTION OVEN (GAS)

## J ELECTRIC CIRCUIT SCHEMA

