

M&R GASTRO SERVICE · REVISION 1.0

Technisches Servicedossier

Elektrischer Umluftofen

Nur für qualifiziertes Servicepersonal. Vor Arbeiten alle Energiequellen trennen, sichern und die Spannungsfreiheit prüfen.

Geltungsbereich: MRG.TA.12-40x60 · MRG.TA-12.Y · MRG.TA-16.Y · MRG.TA-20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

01 Servicehinweise

- Ersatzteillisten (disassembled view), Explosionsansichten und elektrische Schaltpläne sind im Manual enthalten.

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

Installation, Anschluss, Wartung und Reparaturen dürfen nur durch qualifiziertes Fachpersonal erfolgen.

M&R Gastro Service

shop@mr-gastro.ch · +41 58 668 69 69

+41 58 668 69 69

M&R GASTRO SERVICE · REVISION 1.0

Dossier technique service

Four à convection électrique

Réservé au personnel technique qualifié. Avant toute intervention, couper, condamner et vérifier l'absence de toute énergie.

Champ d'application: MRG.TA.12-40x60 · MRG.TA-12.Y · MRG.TA-16.Y · MRG.TA-20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

01 Notes de service

- La liste des pièces (vue éclatée), les vues éclatées et les schémas électriques sont inclus dans le manuel.

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

L'installation, le raccordement, l'entretien et les réparations doivent être réalisés par du personnel qualifié.

M&R Gastro Service

shop@mr-gastro.ch · +41 58 668 69 69

+41 58 668 69 69

M&R GASTRO SERVICE · REVISION 1.0

Dossier tecnico di assistenza

Forno a convezione elettrico

Riservato al personale tecnico qualificato. Prima di ogni intervento scollegare, bloccare e verificare l'assenza di tutte le fonti di energia.

Campo di applicazione: MRG.TA.12-40x60 · MRG.TA-12.Y · MRG.TA-16.Y · MRG.TA-20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

01 Note di assistenza

- L'elenco ricambi (vista smontata), le viste esplose e gli schemi elettrici sono inclusi nel manuale.

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

Installazione, collegamento, manutenzione e riparazioni devono essere eseguiti esclusivamente da personale qualificato.

M&R Gastro Service

shop@mr-gastro.ch · +41 58 668 69 69

+41 58 668 69 69

M&R GASTRO SERVICE · REVISION 1.0

Technical service dossier

Electric convection oven

For qualified service personnel only. Before work, isolate, lock out and verify all energy sources are absent.

Scope: MRG.TA.12-40x60 · MRG.TA-12.Y · MRG.TA-16.Y · MRG.TA-20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

01 Service notes

- Spare parts lists (disassembled view), exploded views and electrical circuit diagrams are included in the manual.

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

Installation, connection, maintenance and repairs must only be carried out by qualified personnel.

M&R Gastro Service

shop@mr-gastro.ch · +41 58 668 69 69

+41 58 668 69 69

MRG.TA.12-40X60 · MRG.TA.12.Y · MRG.TA.16.Y · MRG.TA.20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

Verified technical reference

01 EXPLODED P19

ELECTRIC CONVECTION OVEN

G SPARE PARTS LIST - DISASSEMBLED VIEW

EKF-40		
NO	NAME OF THE PRODUCT	PRODUCT CODE
one	CHIMNEY PIPE 100 MM (CUTTING)	YBR-KNX.KFR-KS-0018
2	TOP TABLE SHEET	YSC-KNX.PLS-PN-0033
3	LEFT REAR PILLAR SHEET	YSC-KNX.PLS-LZ-0094
4	FAN CASING SHEET	YSC-KNX.KFR-PN-0504
5	REAR OUTER PLATE	YSC-KNX.PLS-PN-0009
6	TRAY CAR AND KIT ASSEMBLY	ARA-KNX.PLS-0006
7	K3302SLP100 -100*30 TABLE WITHOUT BRAKE TIRE BLACK	M.AKS-TKR-KS-002
8	TRAY CARRYING POUCHING PROFILE ARM (20*10*1,20 304) 850 MM	YPR-KNX.PLS-KS-0022
9	ORTAÇ PG-29 GRAY CABLE GLAND WITH NUT	M.ELK-RKR-PLS-006
10	CHASSIS	-
11th	WATER DRAIN PIPE LONG (50.8*1,2)470 MM (CUT)	YBR-KNX.PLS-KS-0012
12	51*2 MM CR-NI PATENT ELBOW	M.MEK-TES-INX-003
13	WATER DRAIN CONNECTION SHEET	YSC-KNX.PLS-LZ-0085
14	40*40 BALL ROD ALUMINUM FOOT	M.MUH-AYK-40*40-001
15	TOP HINGE	YSC-KNX.PLS-LZ-0089
16	COVER TOP MECHANISM-SHAFT (49 MM) DIAMETER 18	YTL-KNX.PLS-KS-0012
17	COVER TOP PRC 1 HINGE BEARING (PRECISION CASTING)	M.DKM-HSS-PLS-005
18	DIAMETER 12 GRAY SILICONE STOP	M.PLS-SLK-002
19	64*40*1.5 MM HINGE STAINLESS	M.AKS-MNT-INX-001
20	INSIDE THE DOOR LOWER PRC NAIL HINGE (PRECISION CASTING)	M.DKM-HSS-PLS-003
21	COVER TOP PRC BEARING (PRECISION CASTING)	M.DKM-HSS-PLS-004
22	DOOR LOWER HINGE WASHER	YSC-KNX.PLS-LZ-0023
23	675*1476 MM SILICONE DOOR SEAL	M.CNT-PLS-002
24	TRAY TROLLEY SEAL 50 MT	HCN-LAS-PLS-001
25	1385MM*685MM*6 MM TEMPERED GLASS PRINTED	M.CAM-TMP-PLS-006
26	GLASS TRIM	YSC-KNX.PLS-LZ-0080
27	COVER ASSEMBLY	ARA-KNX.PLS-0005
28	PLAS HANDLE YELLOW BIG BUSH	YTL-KNX.PLS-KS-0002
29	COVER LOCKING PART (PRECISION CASTING)	M.DKM-HSS-PLS-002
30	INTERCOVER CONNECTION CASTING LARGE PIECE (PRECISION CASTING)	M.DKM-HSS-PLS-001
31	PLAS HANDLE YELLOW SMALL BUSH	YTL-KNX.PLS-KS-0003
32	NBR 70 ORING ITALY NB3,53***20,22- INSIDE DIAMETER	M.CNT-ORG-NP4-20
33	NEW PLAS OVEN HANDLE KF-40	M.ENJ-KNX-003
34	COVER LOCK SETTING DIS SC	YSC-KNX.KFR-LZ-0239
35	PANEL SUPPORT SC	YSC-KNX.PLS-LZ-0016
36	COVER LOCK SETTING PLATE	YSC-KNX.PLS-LZ-0019
37	COVER LOCK MATCH ADDITIONAL PLATE	YSC-KNX.PLS-LZ-0076
38	BACK OF DOOR LOCKING LOCK (87 MM SQUARE)	YTL-KNX.PLS-KS-0010
39	19 MM PERMANENT 220V GREEN LIGHT METAL BUTTON	M.ELK-SLT-BTL-011
40	OVEN BUTTON METAL	M.AKS-DGM-MUH-005

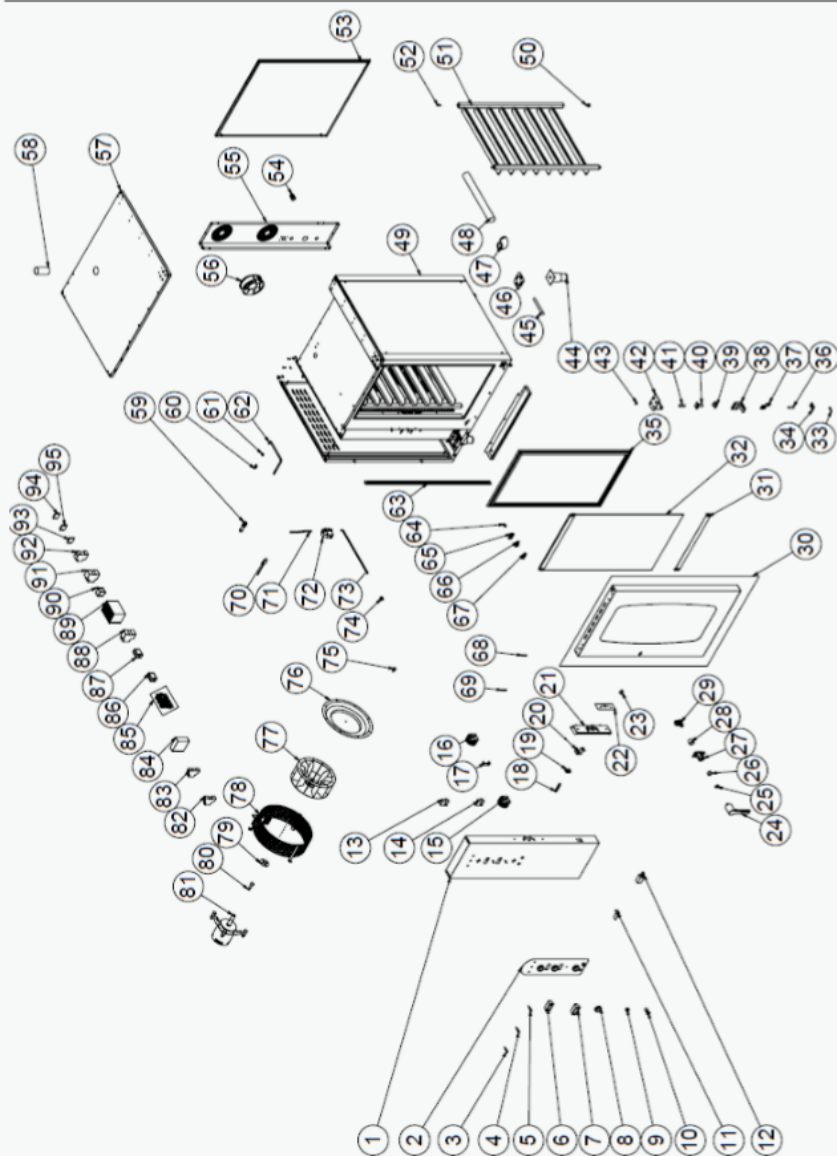
MRG.TA.12-40X60 · MRG.TA-12.Y · MRG.TA-16.Y · MRG.TA-20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

Verified technical reference

02 EXPLODED P22

ELECTRIC CONVECTION OVEN

G SPARE PARTS LIST - DISASSEMBLED VIEW



MRG.TA.12-40X60 · MRG.TA.12.Y · MRG.TA.16.Y · MRG.TA.20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

Verified technical reference

03 EXPLODED P23

ELECTRIC CONVECTION OVEN

G SPARE PARTS LIST - DISASSEMBLED VIEW

PFE8		
NO	NAME OF THE PRODUCT	PRODUCT CODE
one	PANEL SHEET	YSC-KNX.PLS-LZ-0068
2	ELECTRIC OVENS MANUAL LABEL (8-10-20-40)	M.AKS-ETK-LKS-088
3	SOCKET WARNING LAMP-GREEN (Q10,0.8- 3MM) TM2.115	M.ELK-LMB-SNY-001
4	RED SIGNAL LAMP WITH SOCKET (Q10,0.8-3MM)TM2.103	M.ELK-LMB-SNY-002
5	SOCKET WARNING LAMP YELLOW (Q10,0.8- 3MM) TM2.114	M.ELK-LMB-SNY-003
6	EV3301J7VRX01 THERMOSTAT WITH SINGLE RELAY 2 DIGITAL INPUT TCJ 230V VIT R	M.ELK-EDM-DGT-001
7	EV3701D7VRX01 SINGLE RELAY 2 DIGITAL INPUT TIMER DIG 230V VIT RD 5A B	M.ELK-EDM-DGT-012
8	OVEN BUTTON METAL	M.AKS-DGM-MUH-005
9	OVEN BUTTON HALF ROUND MOON SOCKET	M.AKS-DGM-SKT-004
10	19 MM PERMANENT 220V GREEN LIGHT METAL BUTTON	M.ELK-SLT-BTL-011
11th	SWITCH CONNECTION SHEET	YSC-KNX.KFR-LZ-0020
12	EMAS SWITCH L5K13MIP311 240 V-3A WITH WHEELS	M.ELK-SWC-EMAS-001
13	50.87071.000 ENERGY REGULATOR 240V 13A	M.ELK-MEK-TRM1-017
14	AN-EL RT04-Ç304 METAL PIN ROTARY SWITCH	M.ELK-SLT-ANL-008
15	110 DEGREE THERMOSTAT (EGO 55.132226.030)	M.ELK-MEK-TRM1-019
16	360 DEGREE LIMIT SAFETY THERMOSTAT (MMC TC-1SB21PM)	M.ELK-MEK-LMT-005
17	THERMOCUPUL SHEET (WITH U)	YSC-KNX.KFR-PN-0091
18	BACK OF DOOR LOCKING LOCK (87 MM SQUARE)	YTL-KNX.PLS-KS-0010
19	COVER LOCK MATCH ADDITIONAL PLATE	YSC-KNX.PLS-LZ-0076
20	COVER LOCK SETTING PLATE	YSC-KNX.PLS-LZ-0019
21	PANEL SUPPORT SHEET	YSC-KNX.PLS-LZ-0016
22	COVER LOCK SETTING DIS SC	YSC-KNX.KFR-LZ-0239
23	PLS COVER COVER SHAFT	YTL-KNX.PLS-KS-0004
24	NEW PLAS OVEN HANDLE KF-40	M.ENJ-KNX-003
25	NBR 70 ORING ITALY NB3,53***20,22- INSIDE DIAMETER	M.CNT-ORG-NP4-20
26	PLAS HANDLE YELLOW SMALL BUSH	YTL-KNX.PLS-KS-0003
27	CONNECTION CASTING INTERIOR OF COVER CR-NI PRC1 LARGE PIECE (PRECISION CASTING)	M.DKM-HSS-PLS-001
28	PLAS HANDLE YELLOW BIG BUSH	YTL-KNX.PLS-KS-0002
29	COVER CR-NI PRC2 LOCKING PART (PRECISION CASTING)	M.DKM-HSS-PLS-002
30	COVER ASSEMBLY	SEARCH-KNX.PLS-0008
31	GLASS TRIM	YSC-KNX.PLS-LZ-0079
32	990MM*565MM*6 MM TEMPERED GLASS PRINTED	M.CAM-TMP-PLS-008
33	(F1) OVEN SHELF HANGER PIN -30 CM	YTL-KNX.KFR-FS-0003
34	INSIDE THE DOOR LOWER PRC NAIL HINGE (PRECISION CASTING)	M.DKM-HSS-PLS-003
35	550*975 MM SILICONE DOOR SEAL	M.CNT-PLS-004
36	45*10MM COVER INNER DRINKER BRU (50 MM)(CUTTING)	YBR-KNX.KFR-KS-0033
37	64*40*1.5 MM HINGE STAINLESS	M.AKS-MNT-INX-001
38	BOTTOM HINGE	YSC-KNX.PLS-LZ-0021
39	COVER TOP PRC BEARING (PRECISION CASTING)	M.DKM-HSS-PLS-004

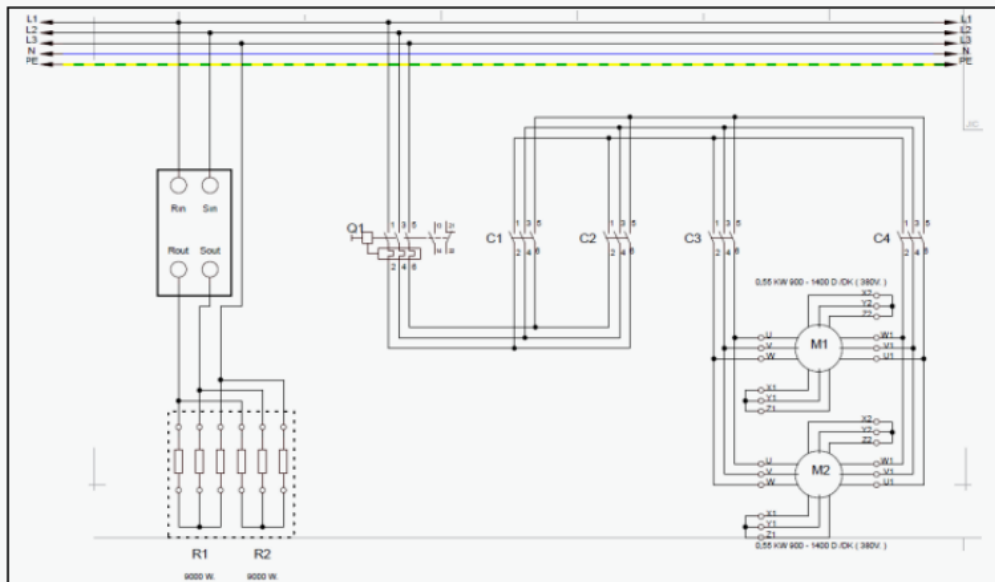
MRG.TA.12-40X60 · MRG.TA.12.Y · MRG.TA.16.Y · MRG.TA.20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

Verified technical reference

04 WIRING P31

ELECTRIC CONVECTION OVEN

H ELECTRICAL CIRCUIT DIAGRAM



PFE8 - POWER CIRCUIT

POWER CIRCUIT DESCRIPTIONS

C1	Fan motor right contactor AC 220V
C2	Fan motor left contactor AC 220V
C3	Fan motor 1st speed contactor AC 220V
C4	Fan motor 2nd speed contactor AC 220V
Q1	M1.M2 motor protection thermal 2.5 - 4A
M1.M2	Internal air circulation fan motor 0.55 KW 900-1400 rpm 380V
F1	Control panel fuse 4A
L1	Interior lighting lamp DC.12V
V	steam valve
L.T.	Limit thermostat 360°C
S1	door alarm switch
S2	door lamp switch
TC	Thermocouple (TC.M06-L100-K01K)
FAN1.FAN2	Cooling fan 220V

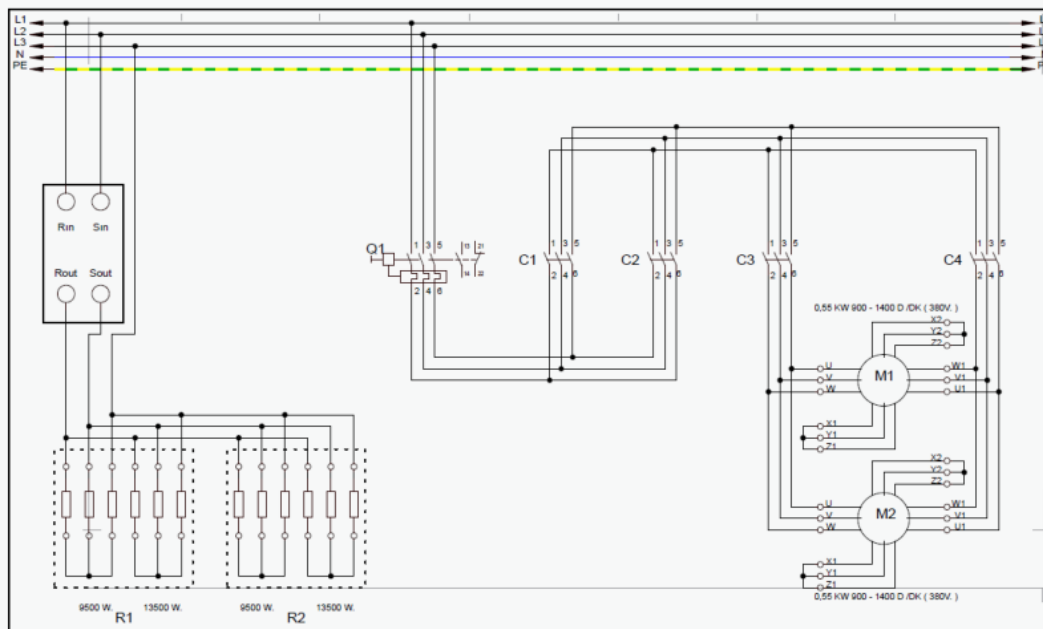
MRG.TA.12-40X60 · MRG.TA-12.Y · MRG.TA-16.Y · MRG.TA-20.Y · MRG.EKF-10 · MRG.EKF-20 · MRG.EKF-40 · MRG.EKF-40-T · MRG.MF8 · MRG.PFE8

Verified technical reference

05 WIRING P32

ELECTRIC CONVECTION OVEN

H ELECTRICAL CIRCUIT DIAGRAM



EKF-40 POWER CIRCUIT

C1	Fan motor right contactor AC220V
C2	Fan motor left contactor AC220V
C3	Fan motor fast contactor AC220V
C4	Fan motor slow contactor AC220V
Q1	M1 Motor1st speed protection thermal 2.5 - 4 A
M1.M2	Internal air circulation fan motor 0.55 KW 900 - 1400 rpm
F1	Control panel fuse 2 mA
L1	Interior lighting lamp (12 V)
R1	Internal heater resistance 3x2000 W. 230 V.
R2	External heater resistance 3x3000 w. 230V.
V	steam valve
L.T.	Limit thermostat 360 °C
S1	door alarm switch
S2	door lamp switch
TC	Thermocouple (TC.M06-L150-K01K)
FAN1.FAN2	Cooling fan (220V)