

MODULAR

CATERING EQUIPMENT

ISTRUZIONI PER L'USO
OPERATING INSTRUCTIONS
MODE D'EMPLOI
BEDIENUNGSANLEITUNG
GBRUIKSAANWIJZING
BRUGERVEJLEDNING
INSTRUCCIONES DE USO
INSTRUCOES DE UTILIZAÇÃO
ΟΔΗΓΙΕΣ ΛΕΙΤΟΥΡΓΙΑΣ



Code 252.102.12

ELECTRIC RANGES / ELECTRIC OVEN
SERIES "65"; "7"; "9"; "LD"



Mod.	65/40 PCE	65/70 PCE	65/70 CFE
	70/40 PCE	70/70 PCE	70/70 CFE
	70/40 PCE -T	70/0 PCE-T	
	70/40 PCEQ	70/70 PCEQ	70/70 CFEQ
	70-40 PCEQ-T	70-70 PCEQ-T	70-110 PCEQ-T
	90/40 PCE	90/80 PCE	90/120 PCE
	90/80 CFE	90/120 CFE	70/110 PCEQ
	90/80 CFES	90/120 CFES	70/110 CFEQ
	110/50 PCE	110/90 PCE	110/90 CFES

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INSTALLATION INSTRUCTIONS

1. CONFORMITY WITH EEC DIRECTIVES

REMARK: The electric ranges are made in compliance with the basic requirements envisaged by EEC directives, in accordance with “EEC Directive 73/23 on low voltage”, “EEC Directive 89/336 on electromagnetic compatibility” and are marked “CE” according to the EEC Directive 93/68.

1.3 ELECTRICAL SPECIFICATIONS:

Model	65/40 PCE	65/70 PCE	65/70 CFE
Dimensions mm			
Width	400	700	700
Depth	650	650	650
Height	300 (400)	300 (400)	850 (950)
El. plates - kW	2 x 2,4	4 x 2,4	4 x 2,4
El. oven kW	/	/	3,96
Total power kW	4,8	9,6	13,56
Rated voltage	400V-3N ~ 50 Hz		
Power cable	HO5RN-F	HO5RN-F	HO5RN-F
Cross section	5 x 1.5 mm ²	5 x 2.5 mm ²	5 x 4 mm ²

The data plate shows all the necessary data for the installation and can be found on the terminal block cover on the rear of the left-hand side panel in the model 65/70 CFE and on the rear panel in the models 65/40 PCE and 65/70 PCE.

Model	70/40 PCE	70/70 PCE	70/70 CFE	70-40 PCE-T	70-70 PCE-T
Dimensions mm					
Width	400	700	700	400	700
Depth	700	700	700	700	700
Height	850 (980)	850 (980)	850 (980)	280 (430)	280 (430)
El. plates - kW	2 x 2,4	4 x 2,4	4 x 2,4	2 x 2,4	4 x 2,4
El. oven kW	/	/	3,96	/	/
Total power kW	4,8	9,6	13,56	4,8	9,6
Rated voltage	400V-3N ~ 50 Hz				
Power cable	HO5RN-F	HO5RN-F	HO5RN-F	HO5RN-F	HO5RN-F
Cross section	5 x 1.5 mm ²	5 x 2.5 mm ²	5 x 4 mm ²	5 x 1.5 mm ²	5 x 2.5 mm ²

The data plate contains all necessary information with installation and it is located on the left side of the unit, near the terminal block on models 70/40 PCE; 70/70 PCE; 70-40 PCE-T; 70-70 PCE-T and on the terminal block cover on the rear of the left-hand side panel in the model 70/70 CFE.

Model	70/40 PCEQ	70/70 PCEQ	70/110 PCEQ	70 -40 PCEQ-T	70-70 PCEQ-T	70-110 PCEQ-T	70/70 CFEQ	70/110 CFEQ
Dimension mm ù Width Depth Height	400 700 850 (980)	700 700 850 (980)	1100 700 850 (980)	400 700 280 (430)	700 700 280 (430)	1100 700 280 (430)	700 700 850 (980)	1100 700 850 (980)
El. plates kW	2 x 2,6	4 x 2,6	6 x 2,6	2 x 2,6	4 x 2,6	6 x 2,6	4 x 2,6	6 x 2,6
El. Oven kW	/	/	/	/	/	/	3,96	3,96
Total power kW	5,2	10,4	15,6	5,2	10,4	15,6	14,36	19,56
Rated voltage	400V – 3N ~ 50 Hz							
Power cable Cross section	HO5RN-F 5 x 1.5mm ²	HO5RN-F 5 x 2.5 mm ²	HO5RN-F 5 x 2.5 mm ²	HO5RN-F 5 x 1.5mm ²	HO5RN-F 5 x 2.5 mm ²	HO5RN-F 5 x 2.5 mm ²	HO5RN-F 5 x 4 mm ²	HO5RN-F 5 x 4 mm ²

The data plate shows all necessary data for installation and can be found on the terminal block cover, inside the compartment, in the models 70/40 PCEQ; 70/70 PCEQ; 70/110 PCEQ and on the terminal block cover on the rear of the left-hand side panel in the models 70/70 CFEQ e 70/110 CFEQ.

Model	90/40 PCE	90/80 PCE	90/120 PCE
Dimensions mm Width Depth Height	400 900 850 (1000)	800 900 850 (1000)	1200 900 850 (1000)
El. plates kW	1 x 3 1 x 4	3 x 3 1 x 4	4 x 3 2 x 4
El. oven kW	/	/	/
Total power kW	7	13	20
Rated voltage	400V - 3N ~ 50 Hz		
Power cable Cross section	HO5RN-F 5 x 2.5mm ²	HO5RN-F 5 x 4 mm ²	HO5RN-F 5 x 4 mm ²

The data plate shows all necessary data for installation and can be found on the terminal block cover, inside the compartment.

Model	90/80 CFE	90/120 CFE	90/80 CFES	90/120 CFES
Dimensions mm				
Width	800	1200	800	1200
Depth	900	900	900	900
Height	850 (1000)	850 (1000)	850 (1000)	850 (1000)
El. plates kW	3 x 3 1 x 4	4 x 3 2 x 4	3 x 3 1 x 4	4 x 3 2 x 4
El. oven kW	3,96	3,96	6	6
Total power kW	16,96	23,96	19	26
Rated voltage	400V - 3N ~ 50 Hz			
Power cable Cross section	HO5RN-F 5 x 4 mm ²	HO5RN-F 5 x 6 mm ²	HO5RN-F 5 x 6 mm ²	HO5RN-F 5 x 6 mm ²

The data plate shows all necessary data for installation and can be found on the terminal block cover on the rear of the left-hand side panel.

Model	110/50 PCE	110/90 PCE	110/90 CFES
Dimensions mm			
Width	500	900	900
Depth	1100	1100	1100
Height	850 (1000)	850 (1000)	850 (1000)
El. plates kW	1 x 3 1 x 4	3 x 3 1 x 4	3 x 3 1 x 4
El. oven kW	/	/	9
Total power kW	7	13	22
Rated voltage	400V - 3N ~ 50 Hz		
Power cable Cross section	HO5RN-F 5 x 2.5mm ²	HO5RN-F 5 x 4 mm ²	HO5RN-F 5 x 6 mm ²

The data plate shows all necessary data for installation and can be found on the terminal block cover, inside the compartment on the models 110/50 PCE, 110/90 PCE and on the right side of the model 110/90 CFES.

2. PRELIMINARY INSTALLATION INSTRUCTIONS

The appliance must be positioned in a well-aired room, if possible under a hood to remove cooking steam thoroughly.

Before starting the appliance, remove all protective film; thoroughly clean the surfaces with a soft cloth, lukewarm water and detergent, so as to remove all anti-rust products applied during the manufacturing stage, then dry with a clean cloth.

If the appliance is installed near walls, partition walls, kitchen furniture, decorative panelling, etc., these should be constructed with fireproof materials or a space of at least 100 mm should be left free.

Make sure that fire prevention rules are strictly respected.

The appliances can be positioned - according to the models - as top or ground appliances, or linked together with others of the series.

The main switch and the socket must be near the appliance and easily accessible.

Using the levelling feet lay the appliance flat, adjust the height and ensure its stability.

2.1 Regulations, technical rules and general specifications

Comply with the following rules during assembly:

- 1) accident prevention rules;
- 2) rules in force in the country where the appliance is installed;
- 3) carefully read this booklet as it contains important instructions about installation safety, use and maintenance;
- 4) keep this booklet for further reference.

2.2 Installation

Installation, setting up and maintenance must be carried out by qualified personnel only.

Installation must be carried out in accordance with the rules in force in the country where the appliance is installed.

The manufacturer declines all responsibility for incorrect functioning resulting from defective installation, tampering, improper use, bad maintenance, non-observance of the local rules and use by unskilled persons.

INSTALLATION INSTRUCTIONS

APPLIANCE WITH WEIGHT GREATER THAN 40 Kg

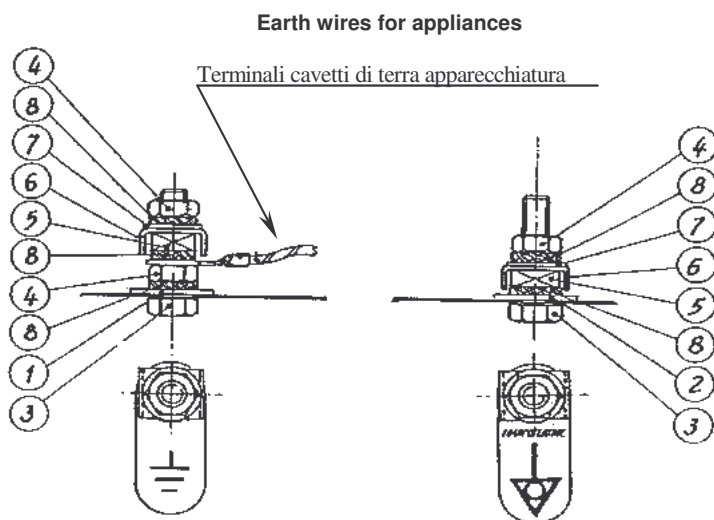
**BEFORE POSITIONING THE APPLIANCE CONNECT THE POWER CABLE TO THE
TERMINAL BLOCK.**

2.2.1 Electrical connection

- 1) The electric ranges are designed to operate off 400 VAC+3N voltage.
- 2) The connection to the mains must be carried out through a suitably rated trip switch which has at least 3 mm between the contacts. Moreover, the mains voltage - when the appliance is working - must not exceed $\pm 10\%$ of the voltage value.
- 3) The power cable to connect the appliance to the mains must be at least equal to the H05RN-F rubber insulated type, with cross section suitable to the max. power consumption; therefore, its lowest cross section must comply to the data stated in the electrical specifications table for each type of appliance.
- 4) On top appliances the cable inlet and the terminal block are on the rear side. To carry out the connection, unscrew and remove the protective cover.
To gain access to the terminal block on ground appliances with an oven, the protective cover on the left-hand side of the appliance must be removed; on the ranges with a cabinet underneath the protective cover of the terminal block on the inner left-hand side of the cabinet has to be removed; to carry out the connection, insert the cable through the inlet gland and the cable-clamp and connect the wires to the relative binding posts.
- 5) The appliance must be provided with an efficient earth connection.
For this purpose, near the terminal block there is a binding post marked with the symbol \equiv to which the earth wire (yellow-green) must to be connected.
The above-mentioned cable must be long enough so that – if the cable clamp loosens - it can be stressed only after the feed wires have been disconnected .
NB: Earthing must be carried out according to the local standards and regulations in force.

2.2.1.1 Equipotential connection

When interconnecting multiple appliances together, the electric range must be included in an equipotential system, whose efficiency has to be checked according to the rules in force. The connection is on the rear panel in top appliances, and on the left-hand side of the bottom frame in ground appliances, marked with "EQUIPOTENTIAL".



NB: The manufacturer declines all responsibility for damage resulting from non-compliance with accident prevention rules as described above.

2.3 AVAILABLE SAFETY DEVICES

In addition to the thermostat the appliance is equipped with a temperature limit switch, which switches off the oven in case of failure by the main thermostat. When failure occurs, contact the after sales service.

The hot plates are also fitted with a thermal cutout which automatically switches off the power supply, thus preventing overheating of the heating element and consequently operating danger.

USER OPERATING INSTRUCTIONS

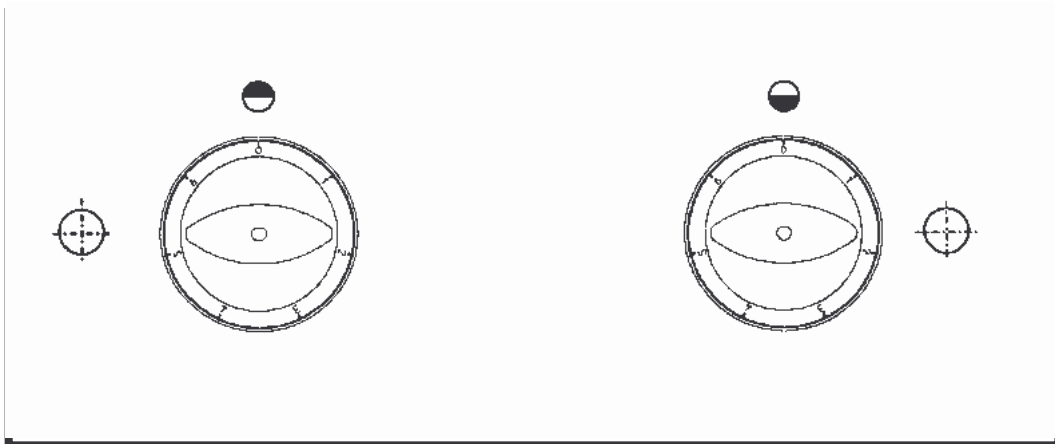
3 PUTTING INTO OPERATION

Ranges are appliances designed for cooking food and should be exclusively used by trained personnel following these operating instructions. Any other use of the appliance is to be considered improper and therefore dangerous.

3.1 OPERATING INSTRUCTIONS, SWITCHING ON AND SWITCHING OFF

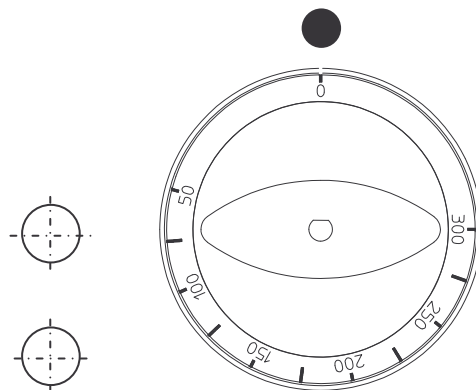
Each hot plate can be turned through six positions. Turn the hot plate selector switch from "0" to the desired position (pilot lamp on). The green pilot lamp indicates that the appliance is on. Turn the hot plate selector switch to position "0" to switch off.

Above the selector switch there is a symbol which indicates the cooking position of the plate. When you switch on, the plate corresponding to the symbol will be heated.



3.2 OPERATING INSTRUCTIONS: CONVECTION OVEN




Turn the main switch on. Turn the thermostat knob from "0" to the desired position between 50°C and 300°C (both pilot lamps lit). The green pilot lamp indicates that the appliance is on, the yellow pilot lamp indicates that the heating element of the ventilated oven is functioning. As soon as the desired temperature has been reached, the yellow pilot lamp switches off. Turn the thermostat to the "0" position to switch off the oven. The oven is heated by forced air.



3.3 OPERATING INSTRUCTIONS: ELECTRIC STATIC OVEN

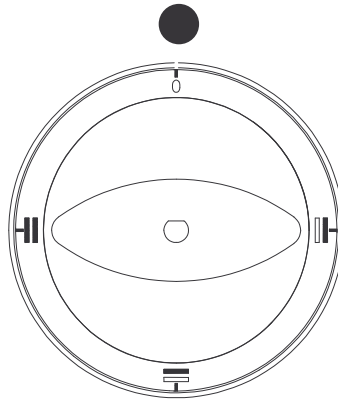
By turning the knob scaled from 0 to 300 °C clockwise the main switch switches on, the green pilot lamp indicates that the appliance is on and the desired temperature - from 50 °C to 300 °C can be set by means of the thermostat.

By turning the knob with the stroke symbols (upper and lower heating elements) clockwise the following functions can be set:

- a) Position "0": = oven and yellow pilot lamps turned off.
- b) Position  = total/complete heating of the oven by means of the upper and lower heating elements, the two yellow pilot lamps are turned on.
- c) Position  = Only the lower part of the oven is heated and the lower yellow pilot lamp is turned on.
- d) Position  = Only the upper part of the oven is heated and the upper yellow pilot lamp is turned on.

As soon as the set temperature has been reached the yellow pilot lamps turn off and turn on again in cycles on how the oven is cooking.

The oven is heated by static air.



4 MAINTENANCE, CLEANING AND CARE

ATTENTION: Do not wash the appliance with direct water jets or with a high-pressure cleaner!

Before carrying out any cleaning operations disconnect the power at the mains.

The hot plates must be allowed to cool before they can be cleaned.

The steel parts must be cleaned using a smooth cloth, water and common detergents. The detergents must not contain corrosive or abrasive substances as they could damage the steel surface. After cleaning rinse well and dry thoroughly.

Before a long period of inactivity:

Disconnect the power at the mains. Clean the appliance thoroughly and dry well.

What to do in case of failure:

Turn off the appliance and contact the after sales service.

Maintenance

Maintenance has to be exclusively carried out by trained personnel. Switch off the power before proceeding with any maintenance operation.

It is recommended that the installation be checked by an authorised technician at least once a year. We suggest that you undersign a technical assistance contract.

4.1 INFORMATION ABOUT ELECTRICITY AND ITS USE

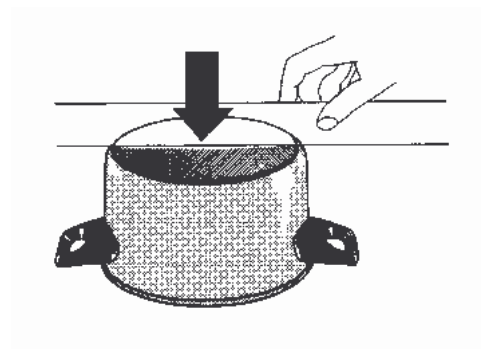
THE USE OF HOT PLATES AND SUITABLE PANS

Use only suitable pans on these hot plates, i.e. pans suitable for cooking on hot plates.

These kinds of pans have a solid bottom with only a slight lower curve, so that the bottom of the pan is in the widest contact with the hot plate in function. This way heat can be optimally utilised. In conformity with DIN44904 the maximum interior curve, when the pan is cold, shall not exceed 6% of the bottom's diameter (including curves which are already present). By using a ruler or on a perfectly even table, it is easy to verify the pan's bottom.

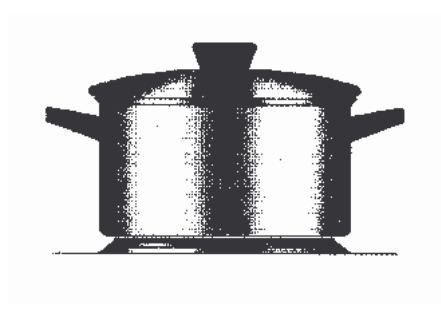
Extensively curved pans are not suitable.

Never use pans which are externally curved. If possible buy DIN44904 pans.



Pan bottom diameter	permitted curve
Ø 145 mm	0.8 mm
Ø 180 mm	1.1 mm
Ø 220 mm	1.3 mm

If the pan is too small, energy will be wasted. Food could drop onto the hot plate and burn. This results in difficult cleaning operations and can cause oxidation if it is not immediately cleaned. Use sufficiently large pans. The bottom of the pan must be as big as the hot plate. This way heat can be utilised in the best possible way and food can not drop onto the plate. You are advised to use pans with a lid. This way heat is kept within the pan.



4.2 CORRECT TREATMENT OF THE HOT PLATES

Only dry pans are to be put on the hot plates. Do not place wet objects on them, such as lids.

CARE:

Before using the hot plates for the first time you are advised to leave it on without pans (for 3 - 5 minutes at the highest position for the hot plates with 7 positions; position 5 - 6 for the automatic plates). This way the protective coating can increase its resistance. Then you are advised to clean the hot plates with a damp cloth from time to time. Hot plates that are very dirty should be cleaned with a damp cloth and common detergents.

IMPORTANT:

Each time a hot plate is cleaned it is important to remove the detergent and to dry the hot plate switching on and heating for a short period.

After cleaning the hot plate you are advised to oil it; this way the hot plate will always keep its new look.

