

Operating Manual

Electric Heater

EL 2



Perfection is our aim.



EC – Declaration of Conformity

in sense of EC machine directive 2006 / 42 / EEC

Type of machine:

EL 2

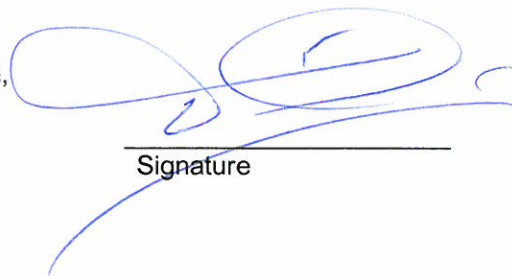
is designed, constructed and manufactured in accordance with the above mentioned directive, the directive for low tension 2006 / 95 EEC and EMV directive 2004 / 108 EEC.

The following harmonized standards have been used:

- EN 60335 - 1 / 2, Safety electrical appliances
- EN 62233 VDE 0700-366
- EN 55014 - 1 / 2 Electromagnetic Compatibility
- EN 61000 - 3 -2 / -3-3 Electromagnetic Compatibility

Mönchengladbach,
02.07.2015

Place, Date



Signature

Managing Director

Summary Manual EL 2

	<u>Page</u>
1. Technical Specifications	2
2. General information	3
3. Operating instructions	4
- Starting	4
- Stopping	4
4. Faults and Remedies	5
Spare Parts List	6
Exploded view drawing	7

1. SPECIFICATIONS

Type	EL 2
Order No.	2800002
Heat capacity	0,65 / 1,3 / 2 kW 1.720 kcal/h 6.825 BTU/h
Stage switches	3
Air volume	190 m ³ /h
Voltage	230 V – 50 Hz singlephase
Rated current	2,9 / 5,7 / 8,5 A
Overheat protection	standard
Dimensions (L x W x H)	210 x 200 x 315 mm
Weight	3,8 kg
Electric connection	Schuko-plug 16 A
Noise level	48 dB (A)

2. General information

The EL 2 is an electrically operated portable heater. The unit can be operated continuously.

The air is sucked in by an axial type fan, streams through the insulation cover, is heated on the heating elements and comes out as warm air at the end of the insulation cover.

The heater is well suited for heating, drying, tempering and defrosting everywhere where an electrical outlet with 230 V – 50 Hz is available. The use is very versatile for example for heating of greenhouses, drying on construction sites. It accelerates all drying processes, e.g., with pottery made of clay, painting- or plaster works, for warming of workplaces and smaller workshops.

An ideal partner for trade and industry.

ATTENTION:

Do not use the heater in explosion-endangered areas or near flammable materials.

Keep distance to sinks, bathtubs, water pipes etc.

Do not touch heater at the air outlet grill during operation (danger of burning).

Do not move heater during operation.

Do not use the heater if it is damaged.

Immediately stop the heater if you notice damage on the electric (i.e. power cord).

Use the heater on flat stable surface only.

Do not block the air stream.

Repairs may be done only by experts.

Contact your dealer or the manufacturer.

Before starting compare electric conditions with the serial plate.

3. Operating manual

ATTENTION!

The heaters may be operated only from persons who have been advised in the use of the heaters. Please refer to the operating manual.




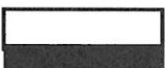


Repair and service on electrical components may be carried out by an electric expert only.

On construction sites the heater may be connected only according to the VDE standard 0100 with a terminal with FI-protection switch.

Keep air intake at a minimum distance of 50 cm to a wall.
Do not cover air outlet.

- STARTING PROCEDURE

Set main switch to „O“, then connect the electric heater to a properly fused socket (refer to serial plate).

Step	 	Heating	0,65 kW
Step	 	Heating	1,3 kW
Step	 	Heating	2,0 kW

Thermostat to desired temperature

To „STOP“: Main switch to position „O“. The heater switches off.

Ventilation: Main switch "ON", thermostat switch to position "0".

IMPORTANT!: Start and Stop only by using the main switch and not by putting in resp. or pulling off the plug.

4. Faults and remedies

<u>Fault</u>	<u>Cause</u>	<u>Remedy</u>
Heater switched on, fan does not start.	No power. Cable defective.	Check power supply. Check cable, replace if necessary.
	On/Off-Switch defective.	Check main switch, replace if necessary.
Fan starts but no warm air comes out.	Heating element defective.	Open control box, check connections of heating element and replace if necessary. Check thermostat.

Spare Parts List EL 2

<u>Pos.</u>	<u>Part-No.</u>	<u>Description</u>	<u>Qty.</u>
01	6164101	Cover right	1
02	6164102	Insulation Plate	2
03	6164103	Foot	4
04	6164104	Base Plate	1
05	6164105	Heating Element	3
06	6164106	Air Outlet Grill	1
07	6164107	Cover left	1
08	6164108	Deflector	1
09	6164109	Safety Thermostat	1
10	6164110	Control Box Screen	1
11	6164111	Knob	2
12	6164112	Room Thermostat	1
13	6164113	Sealing Ring	2
14	6164114	Switch	1
15	6164115	Cover Top	1
16	6164116	Base Plate	1
17	6164117	Fan	1
18	6163118	Connection	1
19	6164119	Motor	1
20	6164120	Suction Grid	1
21	6164121	Supply Line	1
22	6164122	Handle	1

Exploded View EL 2

