ER series

ER-15

ER-30

DESCRIPTION

This type of kiln is made up of a sturdy steel structure fire-painted at 180 ° C with scratch-resistant epoxy paints.

Inside it encloses the thermal insulation consisting of low-density refractory bricks and pre-formed ceramic fiber plates highly resistant to temperature and thermal shocks.

The oven includes, in different quantities according to the various models, areas with different characteristics, namely:

• smoke entry and evacuation area
• preheating area
• baking zone
• cooling zone

Advancement system of the material:

The advancement of the tiles in the kiln takes place through ceramic rollers (with a diameter of 20 mm and a pitch of 38.1 mm), which are rotated by means of a pinion-chain system with programmable speed.

The towing system is developed to make it possible to disassemble the rollers in a sufficiently fast time.

Heating system

Depending on the model, the heating system consists of both spiral-wound Kanthal-type wire resistors and silicon carbide resistors, allowing these ovens to operate up to a maximum temperature of 1330 ° C.

They are inserted from the side of the oven allowing them to be easily replaced by removing only the protective casing; an operation that does not require the intervention of a specialized technician.

In the cooking zone, the upper and lower parts are managed independently

The cooling zones are managed automatically in all models, with the exception of the ER10 and ER15 models.

COMAND PANEL

Each zone in which the resistances are present (preheating, cooking and cooling), is managed by a self-regulating potentiometric pyrometer which operates by commanding static units.

CONTROL PANEL

It consists of a steel container containing all the equipment necessary to control the kiln such as:

• main line switch
• remote rescuer
• fuses
• on and off buttons
• electric circuits for starting and controlling the various kiln devices
• static units

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NANNETTI

| Kiln model	Max format tile [cm]	cooking cycle [minutes]		PROGRAMMABLES zones			NON-PROGRAMMABLES zones
		from	to	PREHEATING	FIRING	COOLING	COOLING
ER-10	5x5	14	140	/	1 (*)	/	/
ER-15	15x15	11	110	1	1 (*)	/	1 (**)
ER-20	15x15	15	130	1	1 (*)	1	1 (***)
ER-25	20x20	20	174	1	1 (*)	1	1 (**) + 1 (***)
ER-30	25x25	13	125	2	1 (*)	2	1 (***)
ER-45	30x30	17	174	2	1 (*)	2	2 (**)

*   : the temperature above and below the rollers can be individually programmed
**   : the temperature is displayed on the control panel
***   : the temperature can be detected using an external portable thermocouple

The maximum size of the tile that can be fired is always related to the type of material and the duration of the firing cycle.

MODEL RANGE
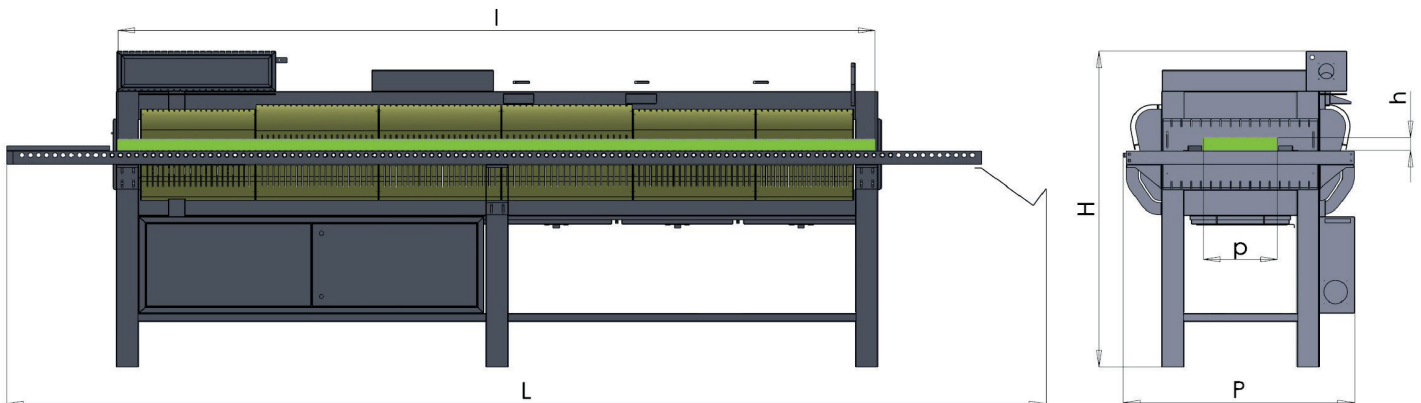
TECHNICAL CHARACTERISTICS										
Mod.	Max Temp. [°C]	Internal dimensions [mm]			External dimensions [mm]			Power	V + N	Weight
		Lenght [l]	Width [p]	H. [h]	Lenght [L]	Width [P]	H. [H]	Kw		[kG]
ER-10	1330	1000	150	30	1670	1000	750	5	230	202
ER-15		1500	250	40	2300	1100	1600	13	400	520
ER-20		2200			3400	1100	1600	16		680
ER-25		2500	350		3830	1200	1570	21		911
ER-30		3550	400		4750	1220	1600	36		1255
ER-45		4530			6160	1200	1600	40		1461

(all data are not binding, the manufacturer reserves the right to modify them)

OPTIONAL
- Management of the kiln via PC
- SAI connection