

DIGITAL ELECTRIC RADIATORS
LOW CONSUMPTION **K** Series

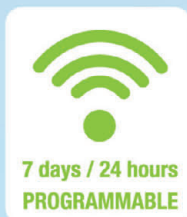


10 years Guarantee
2 years Electric and electronic components

60% EQUIVALENT RATIO OF NO CONSUMPTION

40% EQUIVALENT RATIO OF CONSUMPTION

100% Nominal Power



K SERIES
FIELD OF APPLICATIONS



DOMESTIC

houses
apartments
chalets
mobile homes
caravans
rural houses



EDUCATION

schools
nurseries
colleges
gymnasiums



HEALTH

hospitals
clinics
outpatient departments
medical centres



PROFESSIONAL

offices
hotels
shops
bars
elderly people homes

HOW DOES IT WORK?

OBTAIN A COMFORTABLE AMBIENCE WITH K SERIES

TEMPERATURE STABILITY

The K Series Radiator maintains the stability of a comfortable ambience thanks to the **Optimizer Energy Plus** which provides the system with the necessary energy in each moment.

Our technology allows us to keep the set temperature within a **±0.25°C** margin of variation during the steady period.

A more stable temperature means higher comfort.

LOW SURFACE TEMPERATURE

We achieve a low surface contact temperature of only around 40°C, thus avoiding any accidents with children or elderly people and allowing the installation in any private or public environment.



21°C

60% EQUIVALENT RATIO OF NO CONSUMPTION

40% EQUIVALENT RATIO OF CONSUMPTION

24 hours of heating

100% Nominal Power

In the K Series radiator test, we used a 1,430W model to simulate the heating of a 12 m² room with the thermostat set to 21°C. The average power needed during the test was 560W, which represents a 40% of the nominal power. That is what we define as the equivalent ratio of consumption, as you can see in the graph.

SIZING REFERENCE TABLES

In the following tables you will find calculations already made for different areas and climatic zones:

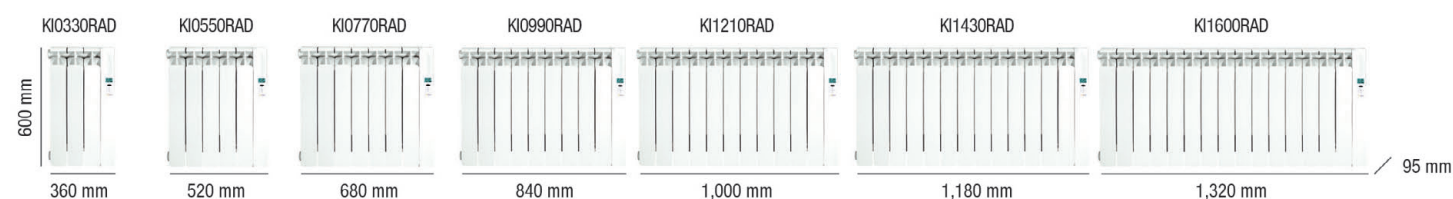
ESTIMATED RADIATOR SIZING IN M²

NO. OF ELEM.	MILD WEATHER	COLD WEATHER	VERY COLD WEATHER	EXTRA COLD WEATHER
3	Up to 4 m ²	Up to 4 m ²	Up to 4 m ²	Up to 3 m ²
5	Up to 7 m ²	Up to 6 m ²	Up to 6 m ²	Up to 6 m ²
7	Up to 10 m ²	Up to 9 m ²	Up to 8 m ²	Up to 8 m ²
9	Up to 12 m ²	Up to 11 m ²	Up to 11 m ²	Up to 10 m ²
11	Up to 15 m ²	Up to 14 m ²	Up to 13 m ²	Up to 12 m ²
13	Up to 18 m ²	Up to 16 m ²	Up to 15 m ²	Up to 15 m ²
15	Up to 20 m ²	Up to 19 m ²	Up to 18 m ²	Up to 17 m ²

ESTIMATED RADIATOR SIZING IN M³

NO. OF ELEM.	MILD WEATHER	COLD WEATHER	VERY COLD WEATHER	EXTRA COLD WEATHER
3	Up to 15 m ³	Up to 13 m ³	Up to 11 m ³	Up to 10 m ³
5	Up to 23 m ³	Up to 21 m ³	Up to 18 m ³	Up to 16 m ³
7	Up to 32 m ³	Up to 28 m ³	Up to 25 m ³	Up to 22 m ³
9	Up to 41 m ³	Up to 36 m ³	Up to 31 m ³	Up to 28 m ³
11	Up to 50 m ³	Up to 44 m ³	Up to 38 m ³	Up to 34 m ³
13	Up to 58 m ³	Up to 51 m ³	Up to 45 m ³	Up to 40 m ³
15	Up to 67 m ³	Up to 59 m ³	Up to 51 m ³	Up to 46 m ³

K SERIES RANGE OF PRODUCTS



K SERIES CHARACTERISTICS

MODELS	KI330RAD	KI550RAD	KI770RAD	KI990RAD	KI1210RAD	KI1430RAD	KI1600RAD
No. of elements	3	5	7	9	11	13	15
RECOMMENDED SIZING ACCORDING TO RTC IN M² / M³							
Mild weather RTC 0,75 m ² / 0,23 m ³	Up to 4 m ² / 15 m ³	Up to 7 m ² / 23 m ³	Up to 10 m ² / 32 m ³	Up to 12 m ² / 41 m ³	Up to 15 m ² / 50 m ³	Up to 18 m ² / 58 m ³	Up to 20 m ² / 67 m ³
Cold weather RTC 0,80 m ² / 0,26 m ³	Up to 4 m ² / 13 m ³	Up to 6 m ² / 21 m ³	Up to 9 m ² / 28 m ³	Up to 11 m ² / 36 m ³	Up to 14 m ² / 44 m ³	Up to 16 m ² / 51 m ³	Up to 19 m ² / 59 m ³
Very cold weather RTC 0,85 m ² / 0,30 m ³	Up to 4 m ² / 11 m ³	Up to 6 m ² / 18 m ³	Up to 8 m ² / 25 m ³	Up to 11 m ² / 31 m ³	Up to 13 m ² / 38 m ³	Up to 15 m ² / 45 m ³	Up to 18 m ² / 51 m ³
Extra cold weather RTC 0,90 m ² / 0,33 m ³	Up to 3 m ² / 10 m ³	Up to 6 m ² / 16 m ³	Up to 8 m ² / 22 m ³	Up to 10 m ² / 28 m ³	Up to 12 m ² / 34 m ³	Up to 15 m ² / 40 m ³	Up to 17 m ² / 46 m ³
ELECTRICAL CHARACTERISTICS							
Nominal power (W)	330	550	770	990	1,210	1,430	1,600
Effective power (W)*	132	220	308	396	484	572	640
Voltage (V)	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	1.5	2.4	3.4	4.3	5.3	6.2	7.0
DIMENSIONS							
Width (mm)	365	525	690	850	1,010	1,195	1,340
Height (mm)	600	600	600	600	600	600	600
Depth (mm)	98	98	98	98	98	98	98
Installed depth (mm)	118	118	118	118	118	118	118
MECHANICAL CHARACTERISTICS							
Steel heating element	✓	✓	✓	✓	✓	✓	✓
High purity aluminium	✓	✓	✓	✓	✓	✓	✓
Thermal oil	✓	✓	✓	✓	✓	✓	✓
ASA/PC Control Panel	✓	✓	✓	✓	✓	✓	✓
Weight (kg)	10	14	18	22	26	30	34
RAL Colour	9010	9010	9010	9010	9010	9010	9010
Protection Grade	IP 21	IP 21	IP 21	IP 21	IP 21	IP 21	IP 21
PERFORMANCE AND SAFETY							
Optimizer Energy Plus™	✓	✓	✓	✓	✓	✓	✓
Temperature stability (°C)	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25
Air speed (m/sec)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Power per element (W/element)	110	110	110	110	110	110	110
Safety thermostat	✓	✓	✓	✓	✓	✓	✓
Average surface temp. during steady state (°C)**	40°C	40°C	40°C	40°C	40°C	40°C	40°C
INSTALLATION							
Template, installation kit and safety bracket	✓	✓	✓	✓	✓	✓	✓
CERTIFICATIONS							
2004/108/CE Electromagnetic Compatibility	✓	✓	✓	✓	✓	✓	✓
2006/95/CE Electrical Safety	✓	✓	✓	✓	✓	✓	✓

* Effective power is the real power needed under predetermined parameters for heating a 12m² room with the temperature set to 21°C, according to tests developed by independent laboratories.

** Surface temperature achieved when the room temperature is set to 21°C