Galletti
www.galletti

KAIMAN thermoconvectors

On the occasion of its hundredth year Galletti presents KAIMAN, an innovative indoor unit which revives the tradition of convective heating for which it has been a market leader since the beginning of the Sixties.

Over 40 YEARS OF EXPERIENCE and new technologies in the production of heat exchangers have enabled it to develop a product that is up to date with the new forms of installation and makes use of the principle of natural air convection.

The principle of NATURAL AIR CONVECTION enables the room to be heated more quickly compared to traditional static convectors.

The correct temperature of the water in the system is also reached extremely quickly thanks to the low quantity of water in the heat exchanger.

The heat exchanger has also been designed to work at LOW WATER TEMPERATURES, typically produced by condensation boilers or heat pumps.

The surface temperature of KAIMAN, therefore, never exceeds 40°C, eliminating the risk of scorching.

The air outlet temperature of KAIMAN is such as to reduce wall blackening above the unit to a minimum.

The innovative rounded design of the cabinet also makes KAIMAN safe for children.

With KAIMAN the regulation of the room temperature can be carried out by means of the air outlet flap which, when set in the closed position, almost completely annuls the heat exchange interrupting the effect of natural convection.

If required KAIMAN can be fitted with an ON/OFF valve that regulates the room temperature and is connected to an interior thermostat which in turn can be installed on the wall or unit. A microswitch located on the air outlet flap interrupts the water flow in the heat exchanger when the flap is completely closed.

With the KAIMAN static convectors it is also possible to guarantee a high standard of quality of the air by using the BIOXIGEN technology, an air sanification and ionization system.

> CABINET with new rounded design made up of a thick sheet steel panel; side frames and air outlet grille made of ABS. The side doors enable access to be gained to the technical compartments and, if required, to the regulating thermostat of the ON-OFF valve.

> AIR OUTLET GRILLE with 2-row fins with air outlet heat flow regulation flap made of ABS.

> The ABS used is of the UV stabilised type so that the colour is not altered with the passing of time.

> INDOOR UNIT made of galvanized sheet steel of suitable thickness and particularly shaped so as to increase natural air convection (chimney effect). The unit is supplied with 4 screw anchors for wall installation.

> HEAT EXCHANGER with high efficiency rate, made of copper tube and aluminium fins that are blocked to the tubes by means of mechanical expansion. It is equipped with brass manifolds and air vent valve and is available in the 4 or 6 row version. The wide fin pitch optimises the chimney effect and simplifies the cleaning of the exchanger. The heat exchanger, which is usually supplied with water connections mounted on the left, can be rotated 180° during installation.

ACCESSORIES

> FEET so as to hide the tubes if they lead out from the floor.
> Air outlet grille with MICROSWITCH on flap.
> 2-way ON-OFF VALVE to regulate the room temperature
> Indoor THERMOSTAT to be installed on the unit or wall
> BIOXIGEN air purifying system

GALLETTI designed its first static convector in 1962. With over 2.5 million items produced, Galletti heats up Italian houses with its CONDOR, FALCON and FALCON 80 models.

1906 2006 Galletti

KAIMAN > SPECIFICATIONS

TECHNICAL DATA

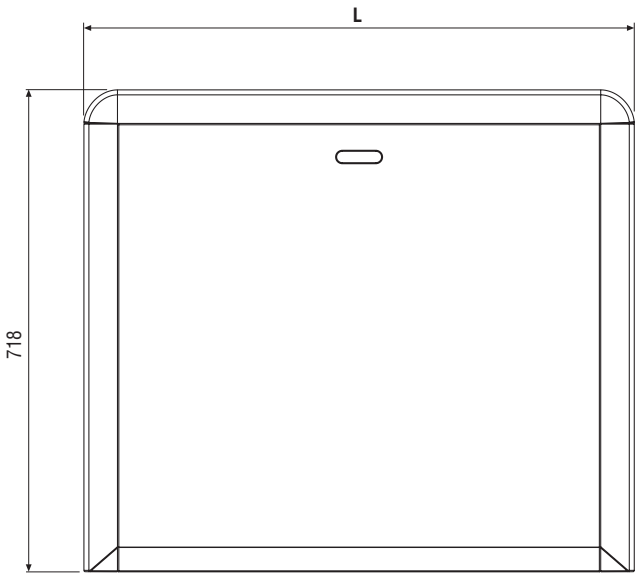
		K14	K16	K24	K26	K34	K36
Heating capacity	kW	1,08	1,22	1,40	1,60	1,73	1,99
Water flow rate	l/h	92	105	120	138	149	171
Pressure drops, water side	kPa	0,2	0,2	0,3	0,3	0,5	0,4
Number of rows - heat exchanger	n°	4	6	4	6	4	6
Heat exchanger water capacity	dm^3	0,74	1,16	0,98	1,51	1,22	1,87
Water connections - female gas	inches	1/2	1/2	1/2	1/2	1/2	1/2
Exponent	n	1,45	1,35	1,43	1,34	1,45	1,30
Weight	kg	14,5	15	16,5	17	20	21

Air room temperature 20°C
Water inlet temperature 75°C
Water outlet temperature 65°C

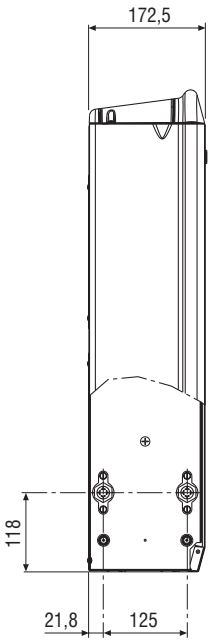
$$P(\Delta T_{WA}) = P_0 \cdot \left(\frac{\Delta T_{WA}}{\Delta T_{WA,0}} \right)^n$$

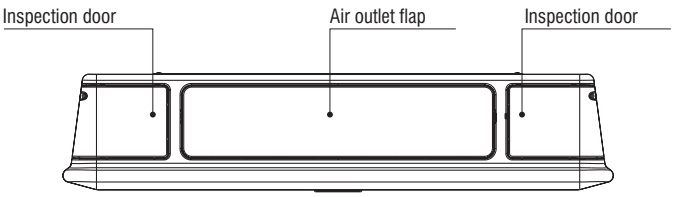
OVERALL DIMENSIONS

FRONT VIEW



LEFT SIDE





TOP VIEW

KAIMAN	L
K14 - K16	820
K24 - K26	990
K34 - K36	1160

Via Romagnoli 12/A - 40010 Bentivoglio Bologna Italia
Tel. +39 051 8908111 fax +39 051 8908122
www.galletti.it - galletti@galletti.it