

*klass*



aluminium  
radiators

**® GLOBAL**   
RADIATORI





*straight lines and curves for a luxurious profile*

# klass

**Global:** a mark of distinction. For thirty years a symbol of **guarantee** and **quality** in a selection of die-cast aluminium radiators.

This new concept in styling is possible due to the unique properties of aluminium.

Linear sensitivity graced with subtle curves present balanced proportions to a radiator which is both practical and space saving, enabling greater utilisation of available wall space, with reduced running costs. Performance and efficiency, the outstanding characteristics of certified alloy EN AB 46100.

Advanced pre-finishing technology enables the application of stove enamelling, which guarantees a **durable** and **luxurious finish** to this **sophisticated product range**.

**Klass** combines **technology** and **aesthetics** with **longevity** and high **performance**.

GLOBAL radiators have a ten year guarantee starting from the date of manufacture.

This guarantee covers the replacement of those elements that because of manufacturing or material defects are not usable, subject to installation in compliance with suitable regulations and correct installation.

Model	Dimensions in mm				ø connec- tion	empty weight Kg ca.	contents in water in litres	Thermal powers EN 442				Exponent n.	Coefficient Km
	A	B	C	D				ΔT 50°C		ΔT 60°C			
	total height	length	depth	pipe centres				Watt	*Kcal/h	Watt	*Kcal/h		
KLASS 800	882	80	80	800	1"	1,95	0,58	<b>162</b>	<b>140</b>	207	179	1,33906	0,86204
KLASS 700	782	80	80	700	1"	1,73	0,54	<b>148</b>	<b>128</b>	189	163	1,34059	0,78054
KLASS 600	682	80	80	600	1"	1,58	0,50	<b>132</b>	<b>114</b>	168	145	1,32865	0,72728
KLASS 500	582	80	80	500	1"	1,41	0,44	<b>116</b>	<b>100</b>	147	127	1,30020	0,71593
KLASS 350	432	80	80	350	1"	1,04	0,37	<b>85</b>	<b>73</b>	108	93	1,29157	0,54598

\* 1 Watt = 0,863 Kcal/h



The thermal output is certified by the Institute of engineering "Politecnico" in Milano according to the norm EN 442.

### Example for a different ΔT from ΔT 50° C

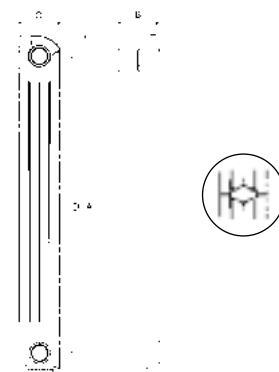
If you need to know a radiator thermal power (P) with different ΔT from ΔT 50° C, use the following characteristic equation:  $P = Km \cdot \Delta T^n$

Example for the KLASS 600 model with ΔT = 60° C:

$$P = 0,72728 \cdot 60^{1,32865} = 168 \text{ Watt}$$

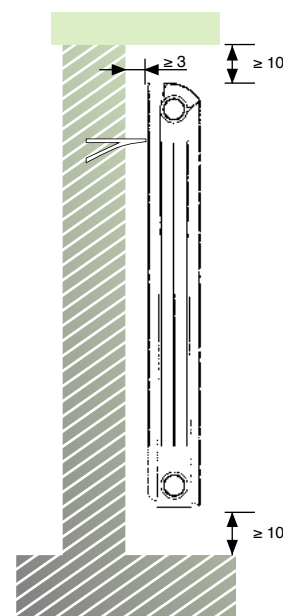
### Example of thermal powers readings with different ΔT from ΔT 50° C

Model	ΔT 20°C	ΔT 25°C	ΔT 30°C	ΔT 35°C	ΔT 40°C	ΔT 45°C	ΔT 50°C	ΔT 55°C	ΔT 60°C
KLASS 800	48	64	82	101	120	141	<b>162</b>	184	207
KLASS 700	43	58	75	92	110	128	<b>148</b>	168	189
KLASS 600	39	52	67	82	98	114	<b>132</b>	149	168
KLASS 500	35	47	60	73	87	101	<b>116</b>	131	147
KLASS 350	26	35	44	54	64	75	<b>85</b>	97	108



## correct installation

- ≈ The KLASS radiators can be used in all hot water or vapour heating installations up to 110° C with a working pressure up to 600 K Pascal - 6 bar.
- ≈ They can be installed in systems using iron, copper or thermoplastic pipes.
- ≈ The highest thermal output can be obtained by mounting the radiators observing the following distances:
  - ≥ cm 3 from the wall
  - ≥ cm 10 from the floor
  - ≥ cm 10 from the shelf or window-sills
- ≈ To avoid noise caused by thermal expansion the use of plastic sleeves on the brackets is recommended (artt. 4, 14, 25, 27 or 29 in our catalogue).
- ≈ In order to avoid problems due to deposit and corrosion in the heating system when using mixed metals it is recommended that the water pH is checked (preferably between 6,5 and 8) and to introduce a suitable inhibitive additive (Cillit-HS 23 Combi or another product equal or similar) in a quantity equal 1 litre to every 200 litres of circulating water or according to the manufacturer's instructions.
- ≈ We recommend the installation of floating automatic or manual air vent valves for radiators to ensure maximum efficiency.
- ≈ In order to avoid problems with gases which can be present in the heating system and to eliminate excessive pressure, we suggest not completely closing the valves. If it is necessary to isolate one or more radiators from the circuit for protracted periods it is advisable to install automatic air vent valves on every radiator.
- ≈ To ensure lasting protection of the finished paint surface radiators must not be installed in a permanently wet or damp environment.
- ≈ Small paint imperfections or damage can allow aluminium oxidization that will stain or destroy the finished surface.
- ≈ It is advisable not to use abrasive products when cleaning the radiator surface.



# accessories



1- Straight bracket



3- Square bracket



4- Plastic-coated white square bracket



25- White bracket with rawl plugs straight mm 170

26- White bracket with rawl plugs straight mm 195 double mod.



27- White universal bracket blister (two)



29- White square bracket blister (two)



19- Spanner for plug



7- Gasket for plug and reduction mm 1,50

8- Gasket for nipples mm 1,00

21- Silicon gasket for plug and reduction



43- Reduction kit 3/8" with silicon gasket for model from 200/D to 800 mm

46- Reduction kit 1/2" with silicon gasket for model from 200/D to 800 mm

48- Reduction kit 3/4" with silicon gasket for model from 200/D to 800 mm



9- Nipples 1"



79- Lever for spanner

80- Spanner mm 500

81- Spanner mm 800



237 - hanging peg white

238 - hanging peg chrome



HANGING BAR

201 - cm 48 white

202 - cm 48 chromate

207 - cm 32 white

208 - cm 32 chromate



15- White floor adjustable feet



10- Spray paint

18- Cillit Combi liquid



5- Painted plug or reduction

20- Painted plug or reduction with silicon gasket

6- Galvanized plug or reduction



13- Automatic air vent valve 1" right or left



12- Manual air vent valve 1/8"

39- Manual air vent valve 1/4"

40- Manual air vent valve 3/8"



41- Manual air vent valve 1/2"



42- Automatic air vent valve 1/2" chromate

**standard color:**

white  
RAL 9010

**special colors:** see folder color

ivory  
RAL 1013

grey  
RAL 7013

beige  
RAL 7006

lilac  
RAL 4001

dark grey  
N. 2748

silver grey  
N. 2676

rust brown  
N. 3112

Quality Certificate



Environment Certificate



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