

oscar



aluminium
radiators



[®] **GLOBAL** 
R A D I A T O R I



oscar

the tall and strong radiator

The OSCAR radiator is technologically advanced. It is constructed using an exclusive welding process to fuse extruded and die-cast aluminium, that no other manufacturer has ever used.

The OSCAR radiator is ideally suited for any application in the home, hotel, and wherever the highest comfort and elegance are required.

The walls of the water channel have greater thickness which provides reliability and quality of the radiator.

On April 15th 1994 (cert. n. 0162) the ICIM granted the ISO 9001:2000 Quality System normative of GLOBAL and on June 8th 2001 (cert. n. 0023A/0) the Environmental Management Systems UNI EN ISO 14001. Both the certifications are also attested by the IQNet International Certification Network.

performance

- sectional elements connected by Nipples (standard radiators of 2/3/4/5 and 6 elements)
- high thermal output guaranteed by the effected tests, according to the norm EN 442, from the "Politecnico" in Milan and from the Laboratory Cetiat in Villeurbanne.
- Working pressure up to 600 K Pascal 6 bar.
- Twin processing, 'anaphoresis-bath' followed by epoxy powder.

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, but only on condition that installation has been executed in compliance with suitable regulations and correct installation.

strong light elegant



strong light elegant

Model	Dimensions in mm				ø connection	empty weight Kg ca.	contents in water in litres	Thermal powers EN 442				Exponent n.	Coefficient Km
	A total height	B length	C depth	D pipe centres				ΔT 50°C		ΔT 60°C			
								Watt	*Kcal/h	Watt	*Kcal/h		
OSCAR 2000	2046	80	95	2000	1"	3,86	0,76	321	277	411	355	1,35280	1,61490
OSCAR 1800	1846	80	95	1800	1"	3,53	0,69	297	256	379	327	1,35295	1,48966
OSCAR 1600	1646	80	95	1600	1"	3,18	0,62	271	234	347	299	1,35310	1,36136
OSCAR 1400	1446	80	95	1400	1"	2,80	0,56	245	211	314	271	1,35325	1,23096
OSCAR 1200	1246	80	95	1200	1"	2,43	0,49	218	188	279	241	1,35340	1,09584
OSCAR 1000	1046	80	95	1000	1"	2,05	0,42	190	164	244	210	1,35355	0,95514
OSCAR 900	946	80	95	900	1"	1,99	0,41	175	151	223	193	1,34630	0,90160

* 1 Watt = 0,863 Kcal/h

The thermal output is certified in according to the norm EN 442.

Example for a different ΔT from ΔT 50° C

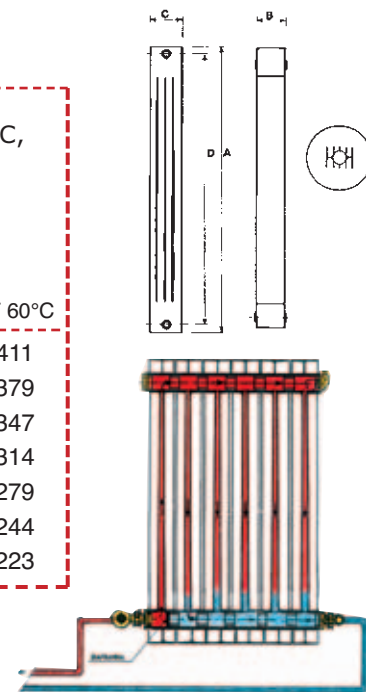
If you need to know a radiator thermal power (P) with different ΔT from ΔT 50° C, use the following characteristic equation: $P = Km \cdot \Delta T^n$

Example for the OSCAR 1600 model with ΔT = 60° C:

$$P = 1,36136 \cdot 60^{1,35310} = 347 \text{ Watt}$$

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
Oscar 2000	93	126	161	198	237	278	321	365	411
Oscar 1800	86	116	148	183	219	257	297	337	379
Oscar 1600	78	106	136	167	200	235	271	308	347
Oscar 1400	71	96	123	151	181	213	245	279	314
Oscar 1200	63	85	109	135	161	189	218	248	279
Oscar 1000	55	75	95	118	141	165	190	217	244
Oscar 900	51	69	88	108	129	152	175	199	223



correct installation

- The OSCAR 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 windows-sills
- To avoid noise caused by thermal expansion the use of plastic sleeves on the brackets is recommended (artt. 4, 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 closing completely 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.

Important: if the aluminium radiator Oscar is installed with bottom opposite end connections, it is advisable to insert a diverter (art. 22) between the first and second element. The inclusion of the diverter enhances circulation thereby guaranteeing maximum performance of the radiator.

