

ferroli

CLAN N - CLUB N

Die-cast aluminium radiators



CLAN N AND CLUB N RADIATORS ARE CASTED FROM A CERTIFIED ALUMINIUM ALLOY; THEY FEATURE A DESIGN AT THE SAME TIME SOBER AND SMART, WHOSE INSTALLATION SUITS EVERY TYPE OF FURNITURE. EXPERIENCE FERROLI CAN GRANT IN THE PRODUCTION AND MANUFACTURE OF ALUMINIUM RADIATORS IS SYNONYM OF:



> MAXIMUM THERMAL OUTPUT An accurate study of shapes let the realisation of particularly performing convective fins. The result is a thermal output among the highest in the market.

> LOW THERMAL INERTIA The particular aluminium alloy adopted and the limited water content allow low thermal inertia and as a consequence prompt heating of house.

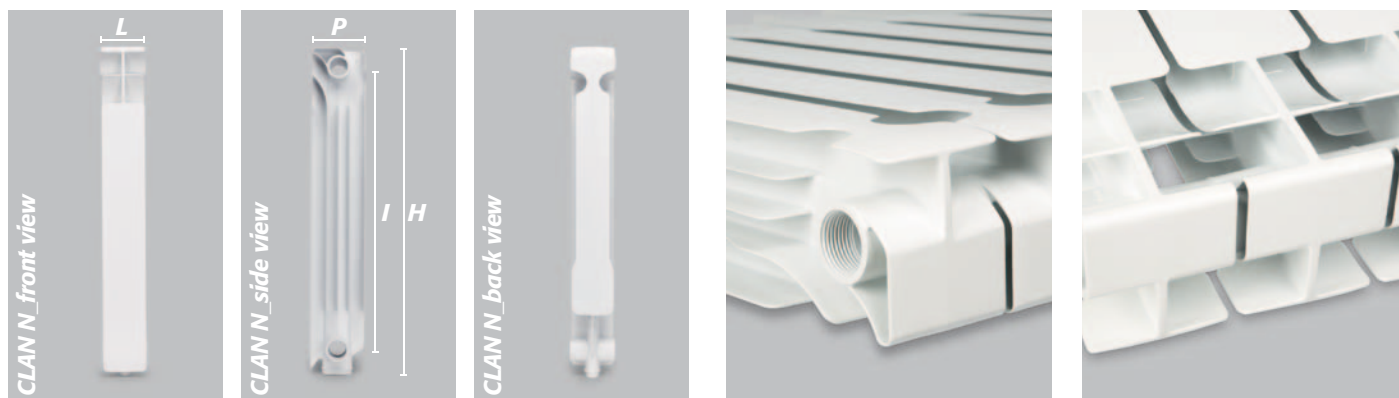
> CORROSION RESISTANCE Due to the natural phenomenon of the passivation of the special aluminium alloy, radiators are protected against corrosion, offering the same high efficiency and reliability for several years.

> INSTALLATION FRIENDLY Reduced dimensions and alloy's lightness make radiator very light and easy to transport; therefore it can be installed even by one person only.

CHARACTERISTICS

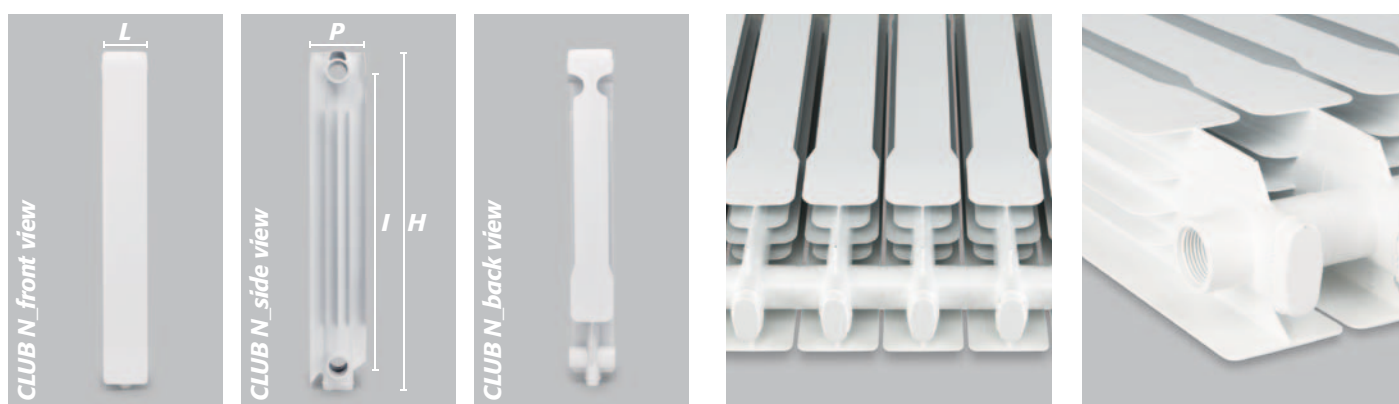
- Only certified aluminium is used for radiators' casting and it is prior checked with quantistic analysis
- After section's processing and assembling to blocks, radiators are tested at 13 bars pressure. Test is repeated statistically after coating
- Radiators are first subject to an ecological degrease and a zirconium anticorrosion process. Then high penetration white anaphoresis is applied before final coating with RAL 9010 epoxy powder
- Connections are 1" diameter. On monopipe circuits, this allows a direct assembling of valves, with no need of additional reductions, thus reducing installation times
- Radiators' coating is protected by a packaging of polyethylene film and strong carton boxes, in order to prevent transport damages
- **CLAN N** and **CLUB N** radiators represent an excellent solution for both traditional and monopipe heating circuits.





▲ CLAN N

CLUB N ▼



| | | CLAN N | | | | | CLUB N | | | | |
|-------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 350 | 500 | 600 | 700 | 800 | 350 | 500 | 600 | 700 | 800 |
| Thermal output ΔT 50K | Watt/el | 88 | 117 | 133 | 151 | 167 | 86 | 114 | 130 | 146 | 163 |
| Thermal output ΔT 60K | Watt/el | 111,6 | 148,4 | 168,4 | 192,1 | 212,6 | 108,8 | 144,0 | 164,6 | 185,7 | 207,7 |
| Constant | | 0,5718 | 0,7148 | 0,7941 | 0,8783 | 0,9274 | 0,5575 | 0,7198 | 0,7714 | 0,8519 | 0,9326 |
| Exponent index | | 1,2880 | 1,3032 | 1,3083 | 1,3159 | 1,3274 | 1,2880 | 1,2941 | 1,3099 | 1,3151 | 1,3203 |
| Weight | Kg | 1,04 | 1,34 | 1,53 | 1,75 | 1,93 | 1,04 | 1,34 | 1,53 | 1,75 | 1,93 |
| Water content | litri | 0,31 | 0,37 | 0,44 | 0,49 | 0,53 | 0,31 | 0,37 | 0,44 | 0,49 | 0,53 |
| Max operating pressure | bar | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Height (H) | mm | 431,5 | 581,5 | 681,5 | 781,5 | 881,5 | 431,5 | 581,5 | 681,5 | 781,5 | 881,5 |
| Tapping center (I) | mm | 350 | 500 | 600 | 700 | 800 | 350 | 500 | 600 | 700 | 800 |
| Depth (P) | mm | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| Width (L) | mm | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

- Characteristic equation (according to the EN 442 standards) - $\Phi = K_m \times \Delta T^n$
As a mere instance, in order to obtain heat output of CLAN N 500 at ΔT 45°C, calculation is as follows:
 $0,7148 \times (45)^{1,3032} = 102 \text{ W}$
- For the purpose of certification, the "CLAN N" radiator correspond to the series with the factory identification "RAD-M", while the "CLUB N" radiator corresponds to factory name "RAD-K".
- In order to grant a correct operation of heating circuit, it is necessary to check that CH circuit water is below 15° fr hardness and its Ph is between 7 and 8. Room humidifiers made of porous material must be avoided.
- In order to grant the maximum performance, it is recommended to install radiators allowing a distance of min. 30 mm from the wall and 120 mm from the floor. In case of installation in a niche, the distance from its upper part must be at least 100 mm.



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Ferroli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A
tel. +39.045.6139411 - fax +39.045.6100233
www.gruppoferroli.com - e-mail: export@ferroli.it

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