



**Calore**

Heating Company

# FINNED TUBE DESIGN RADIATOR



| GENERAL FEATURES            |   |
|-----------------------------|---|
| Tupe Qty                    | 3   |
| Material                    | Unsewed Tube DN 50 (57 mm), As another option;32 mm, 76 mm ve 108 mm diameters tube can be produce. |
| Maximum Qube Qty.           | 6 Piece   |
| Wing Height                 | 137 mm  |
| Pitch of Water              | 18 mm   |
| Fitting Connection Diameter | 1/2"  |
| Width B(mm)                 | 900 mm  |
| Axle Height h(mm)           | 165 mm  |
| Height                      | 520 mm  |
| Maximum Length L (mm)       | 6000 mm   |
| Application Scopes          | Combi Boiler, Central Heating System, Electrical Resistance   |
| Models with Fan             | Developing  |
| Color Options               | All matt RAL Codes  |
| Sanding                     | Natural Antrasit with Protective Matt Varnished   |
| Cover                       | Antique brass and copper aging application on wingless tube models.                                 |

## Contemporary Style

A design that architects who follow contemporary fashion will love.

## Flexible Sizes

The single tube model offers a choice of lengths of up to 6 metres. It is especially suitable for areas with glass up to the ground.



| GENERAL FEATURES            |   |
|-----------------------------|---|
| Tupe Qty                    | 2   |
| Material                    | Unsewed Tube DN 50 (57 mm), As another option;32 mm, 76 mm ve 108 mm diameters tube can be produce. |
| Maximum Qube Qty.           | 6 Piece   |
| Wing Height                 | 137 mm  |
| Pitch of Water              | 18 mm   |
| Fitting Connection Diameter | 1/2"  |
| Width B(mm)                 | 900 mm  |
| Axle Height h(mm)           | 165 mm  |
| Height                      | 380 mm  |
| Maximum Length L (mm)       | 6000 mm   |
| Application Scopes          | Combi Boiler, Central Heating System, Electrical Resistance   |
| Models with Fan             | Developing  |
| Color Options               | All matt RAL Codes  |
| Sanding                     | Natural Antrasit with Protective Matt Varnished   |
| Cover                       | Antique brass and copper aging application on wingless tube models.                                 |



**Horizontal & Vertical Use**  
It offers unlimited solution options for many areas.

**Liquid and Electric Use**  
It is suitable for CombiBoilers and Central Heating Systems. There is also the option to use it with electricity.



| GENERAL FEATURES            |   |
|-----------------------------|---|
| Tupe Qty                    | 1   |
| Material                    | Unsewed Tube DN 50 (57 mm), As another option;32 mm, 76 mm ve 108 mm diameters tube can be produce. |
| Maximum Qube Qty.           | 6 Piece   |
| Wing Height                 | 137 mm  |
| Pitch of Water              | 18 mm   |
| Fitting Connection Diameter | 1/2"  |
| Width B(mm)                 | 900 mm  |
| Axle Height h(mm)           | 165 mm  |
| Height                      | 240 mm  |
| Maximum Length L (mm)       | 6000 mm   |
| Application Scopes          | Combi Boiler, Central Heating System, Electrical Resistance   |
| Models with Fan             | Developing  |
| Color Options               | All matt RAL Codes  |
| Sanding                     | Natural Antrasit with Protective Matt Varnished   |

# FINNED TUBE DESIGN RADIATOR

## Manufacture

The Finned Tubes are manufactured by helically winding a strip directly onto the tube. Due to the corrugated lower fin area the surface area of the fins is increased and at the same time a turbulent air flow is created which results in an increased performance.

## Performance Test

In order to achieve optimum performances at different temperatures the relationship between tube diameter, fin height and fin pitch has been precisely calculated.

## Description

FT Serie is manufactured from welded steel tubes. Maximum pressure 160 bar, maximum temperature 300°C.

## Forms of supply

Calore Finned Tubes are supplied in required lengths up to 6 m with plain ends suitable for welding or with welded sockets.

## Surface treatment

If not indicated otherwise, Calore Finned Tubes are supplied in an untreated condition.

At an extra cost the Finned Tubes can be supplied with the paint finish RAL 9016 according to the following procedure:

1. Alkaline degreasing.
2. Phosphatizing.
3. Passivation.
4. Oven drying at 170°C.
5. Powder coating with epoxy/ polyester powder mix EPPE.
6. Baking at 185°C.
7. Special packing.

At an additional extra price Calore Finned Tubes can be supplied in other RAL colours.

## Installation

Calore Finned Tubes can be installed on the floor, under the ceiling or in a floor channel. Calore Finned Tubes can be installed as a visual highlight or more discreetly by integration. There is a great variety of applications in new buildings as well as for restorations and refurbishment.

Some examples are listed below:

- Show rooms and galleries.
- Airport terminals.
- Covered places and arcades.
- Offices, canteens and shops.
- Schools, sports halls and swimming pools.
- Rooms with large glass façades.
- Ecological green houses, tropical houses and green forest halls.
- Churches, meeting halls and cinemas.
- Industrial buildings and stores.
- Workshops, garages and petrol stations.
- Cargo, refrigerated and passenger ships.
- Air-conditioned stables and chinchilla farms as well as many other possibilities.

## Warranty

Approved installations are protected by a five years warranty covering manufacturing and material defects.

## Thermal capacity in watts for type FT Series from 1,000 to 6,000 mm

(Temperature sets: (90/ 70/20)°C and (80/60/20)°C)

| $\Delta t$ 60K<br>(90/ 70/ 20)°C | FF-1 | FF-2 | FF-3 | FF-4 | FF-5 | FF-6 | FF-7 | FF-8 |
|----------------------------------|------|------|------|------|------|------|------|------|
| 1000 mm                          | 317  | 356  | 366  | 402  | 413  | 476  | 552  | 684  |
| 2000 mm                          | 634  | 712  | 732  | 804  | 826  | 952  | 1104 | 1368 |
| 3000 mm                          | 951  | 1068 | 1098 | 1206 | 1239 | 1428 | 1656 | 2052 |
| 4000 mm                          | 1268 | 1424 | 1464 | 1608 | 1652 | 1904 | 2208 | 2736 |
| 5000 mm                          | 1585 | 1780 | 1830 | 2010 | 2065 | 2380 | 2760 | 3420 |

| $\Delta t$ 50K<br>(80/ 60/ 20)°C | FF-1 | FF-2 | FF-3 | FF-4 | FF-5 | FF-6 | FF-7 | FF-8 |
|----------------------------------|------|------|------|------|------|------|------|------|
| 1000 mm                          | 242  | 274  | 277  | 298  | 308  | 358  | 415  | 514  |
| 2000 mm                          | 484  | 548  | 554  | 596  | 616  | 716  | 830  | 1028 |
| 3000 mm                          | 726  | 822  | 831  | 894  | 924  | 1074 | 1245 | 1542 |
| 4000 mm                          | 968  | 1096 | 1108 | 1192 | 1232 | 1432 | 1660 | 2056 |
| 5000 mm                          | 1210 | 1370 | 1385 | 1480 | 1540 | 1790 | 2075 | 2570 |
| 6000 mm                          | 1452 | 1644 | 1662 | 1788 | 1848 | 2148 | 2490 | 3084 |





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[info@caloreradiator.com](mailto:info@caloreradiator.com)  
[www.caloreheating.com](http://www.caloreheating.com)