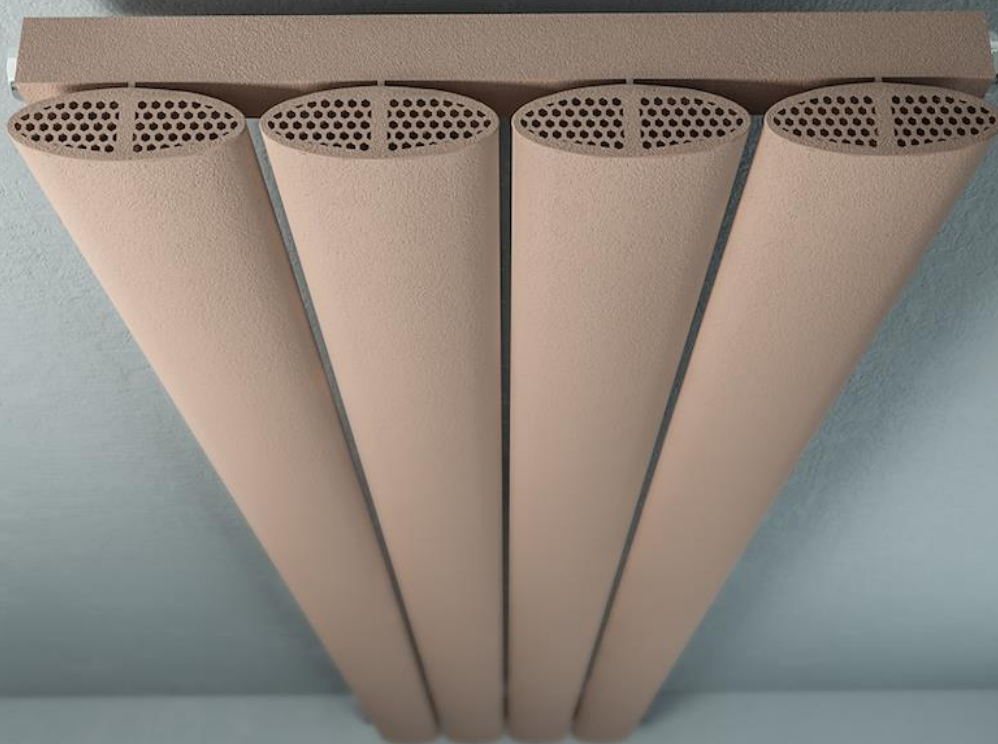




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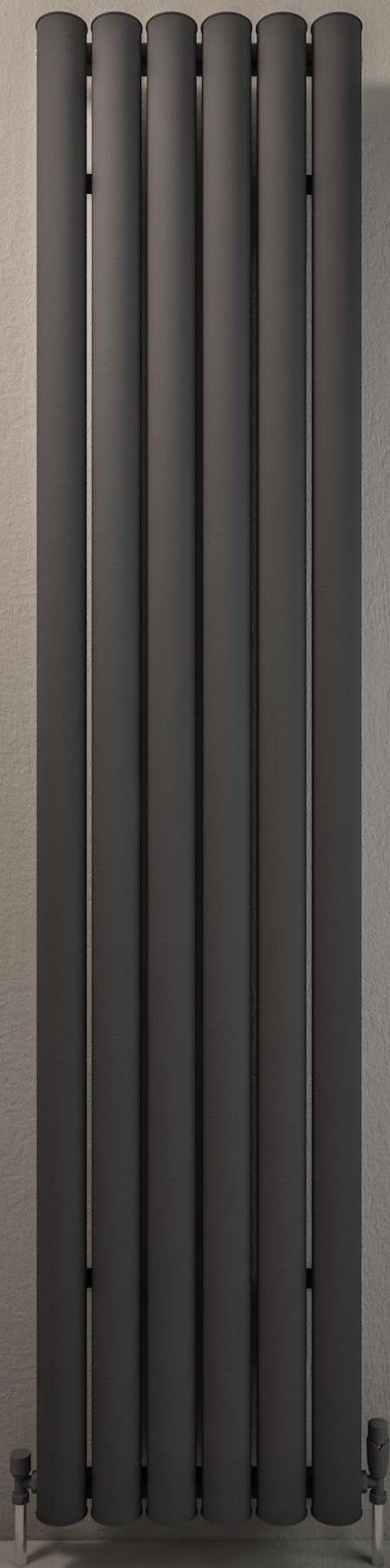
warma 

Engineering, Technology & Art



Aluminium  
Radiator  
Catalogue  
2024

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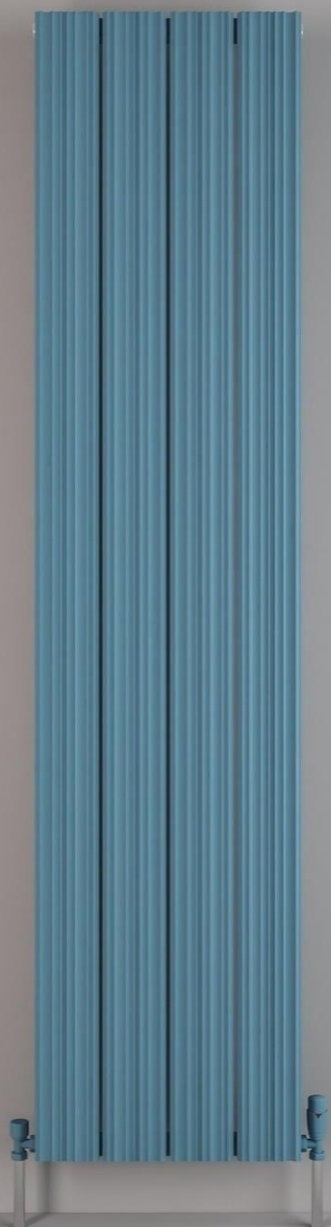
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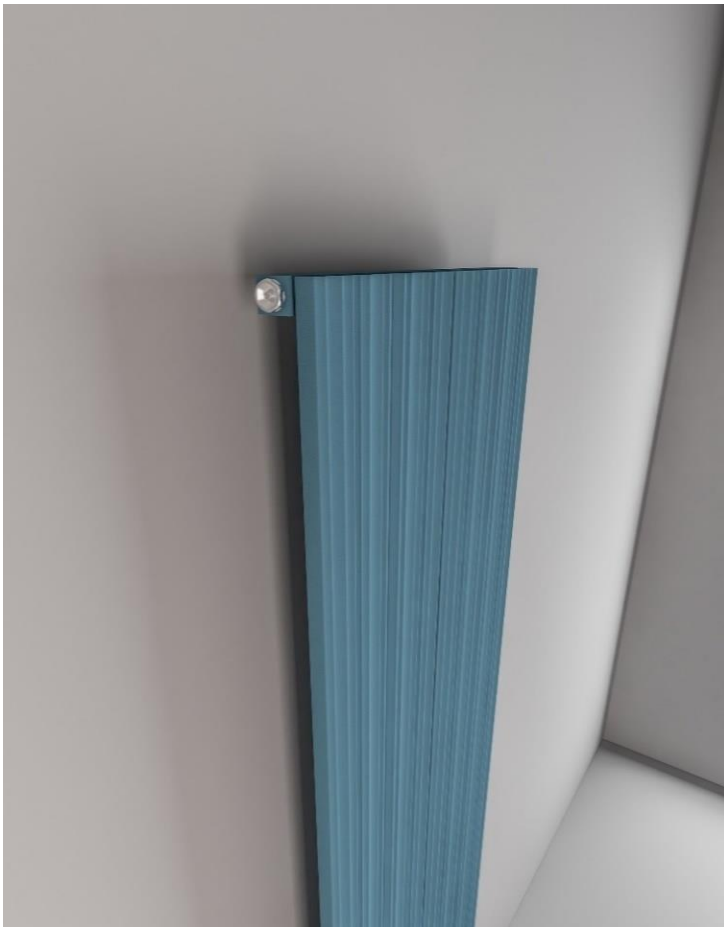
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Engineering, Technology & Art

**FLORYA**  
**Aluminium**  
**Radiator**

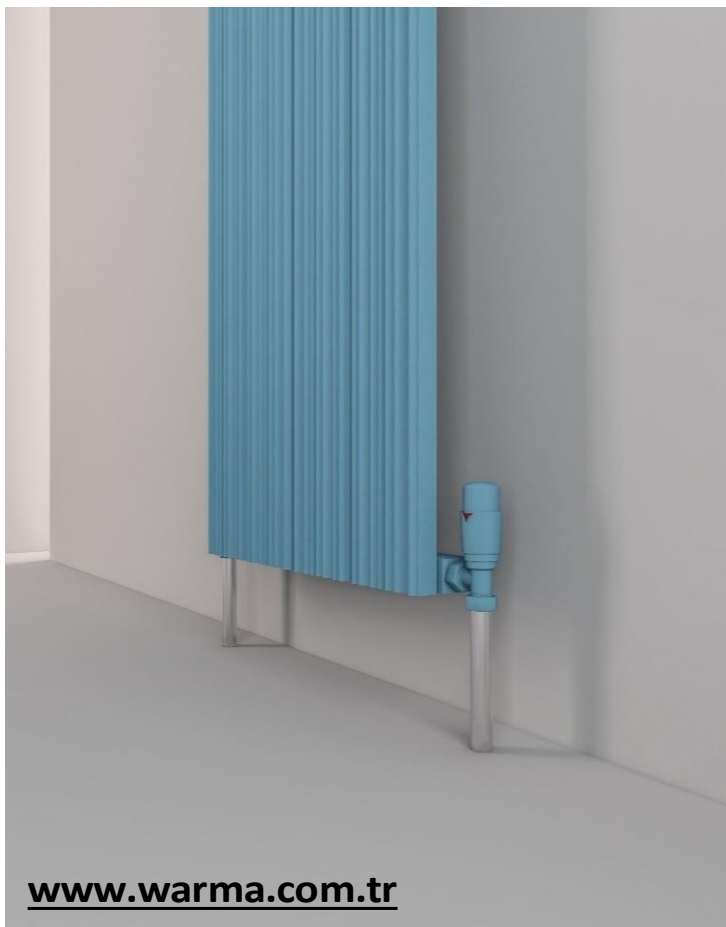
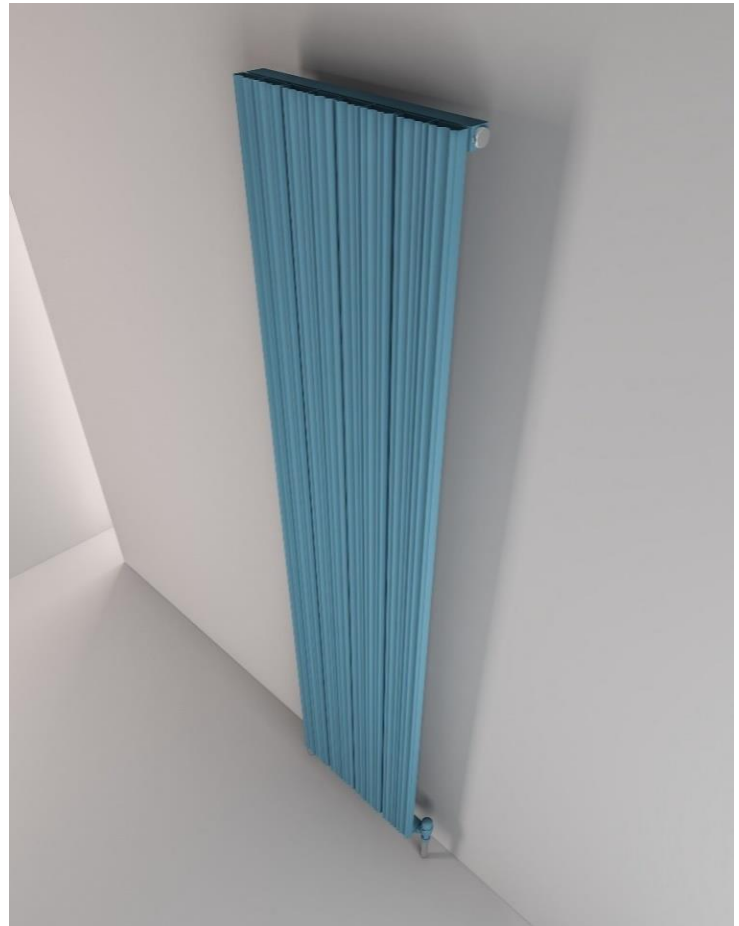
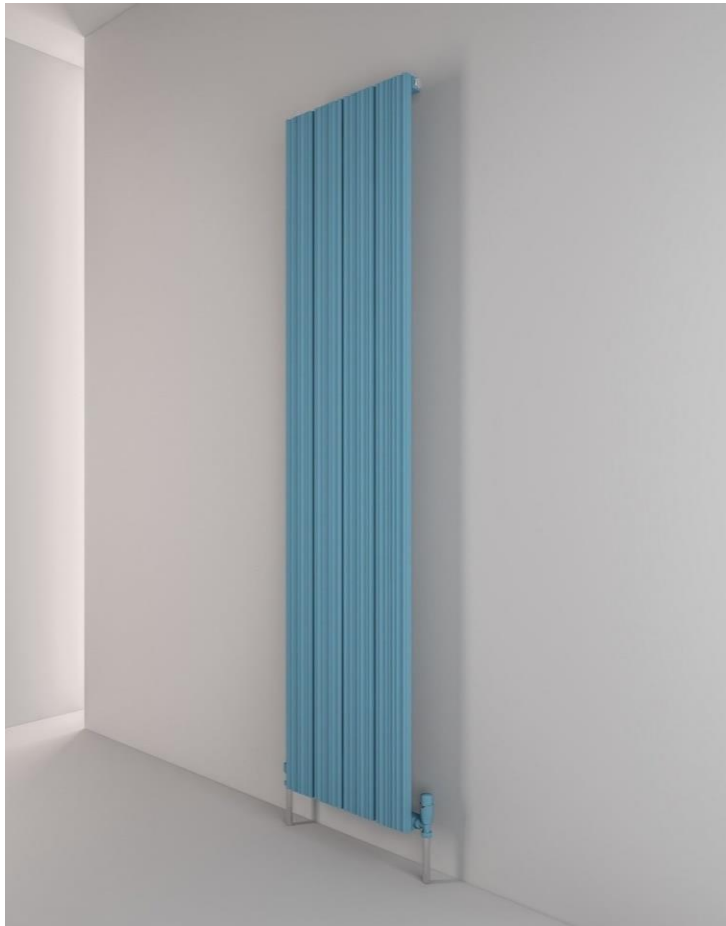


**[www.warma.com.tr](http://www.warma.com.tr)**



**Florya aluminium radiator characterized by vertical lines on the surface of the panels.**

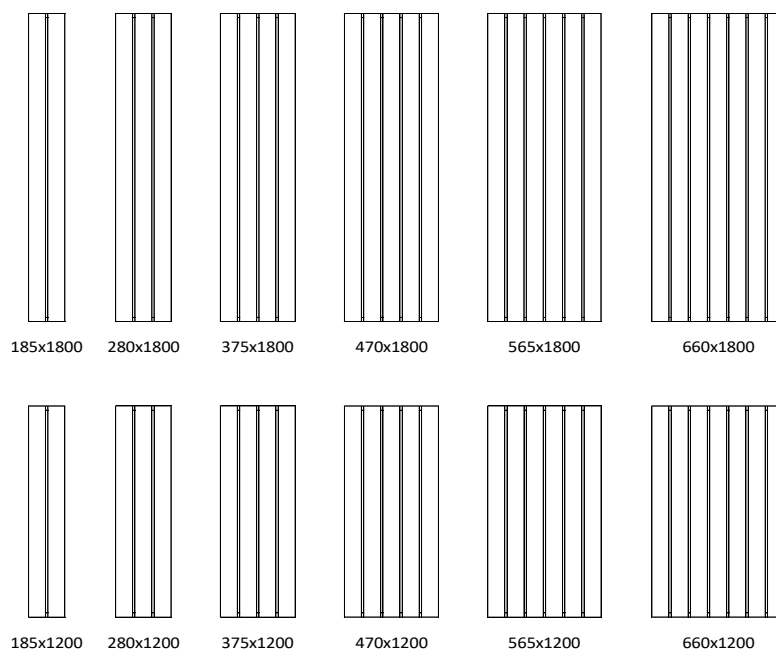
**Florya aluminium radiator enriches the room environments not only with a heating element but also with a decorative object.**



### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 90 mm.
- \* Not suitable for installation with a single pipe system.

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### Product Colours



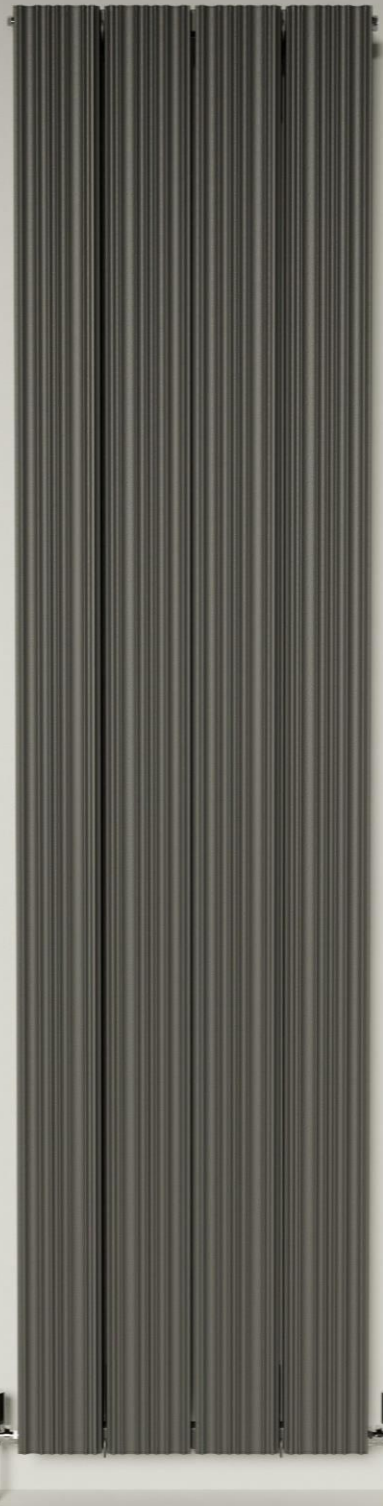
## FLORYA ALUMINIUM RADIATOR

| Width  | Height | Vertical Section Quantity | Inlet Outlet Distance ( Axis ) | Water Content | Heat Output $\Delta t$ 70 | Heat Output $\Delta t$ 60 | Heat Output $\Delta t$ 50 | Heat Output $\Delta t$ 30 | Heat Output $\Delta t$ 25 | Km     | Exponent ( n ) |
|--------|--------|---------------------------|--------------------------------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|----------------|
| ( mm ) | ( mm ) | ( pcs )                   | ( mm )                         | ( Lt )        | ( watts )                 | ( watts )                 | ( watts )                 | ( watts )                 | ( watts )                 |        |                |
| 185    | 1800   | 2                         | 185                            | 1,2           | 738                       | 593                       | 459                       | 223                       | 172                       | 1,8056 | 1,4154         |
| 280    | 1800   | 3                         | 280                            | 1,7           | 1.051                     | 845                       | 653                       | 317                       | 245                       | 2,5718 | 1,4154         |
| 375    | 1800   | 4                         | 375                            | 2,2           | 1.349                     | 1.085                     | 838                       | 407                       | 314                       | 3,3000 | 1,4154         |
| 470    | 1800   | 5                         | 470                            | 2,7           | 1.636                     | 1.315                     | 1.016                     | 493                       | 381                       | 4,0014 | 1,4154         |
| 565    | 1800   | 6                         | 565                            | 3,2           | 1.914                     | 1.539                     | 1.189                     | 577                       | 446                       | 4,6822 | 1,4154         |
| 660    | 1800   | 7                         | 660                            | 3,7           | 2.186                     | 1.757                     | 1.358                     | 659                       | 509                       | 5,3463 | 1,4154         |
| 185    | 1200   | 2                         | 185                            | 0,8           | 491                       | 398                       | 310                       | 153                       | 119                       | 1,4368 | 1,3734         |
| 280    | 1200   | 3                         | 280                            | 1,2           | 700                       | 566                       | 441                       | 219                       | 170                       | 2,0465 | 1,3734         |
| 375    | 1200   | 4                         | 375                            | 1,6           | 898                       | 727                       | 566                       | 281                       | 218                       | 2,6260 | 1,3734         |
| 470    | 1200   | 5                         | 470                            | 2,0           | 1.089                     | 881                       | 686                       | 340                       | 265                       | 3,1842 | 1,3734         |
| 565    | 1200   | 6                         | 565                            | 2,3           | 1.274                     | 1.031                     | 803                       | 398                       | 310                       | 3,7259 | 1,3734         |
| 660    | 1200   | 7                         | 660                            | 2,6           | 1.455                     | 1.177                     | 917                       | 454                       | 354                       | 4,2544 | 1,3734         |



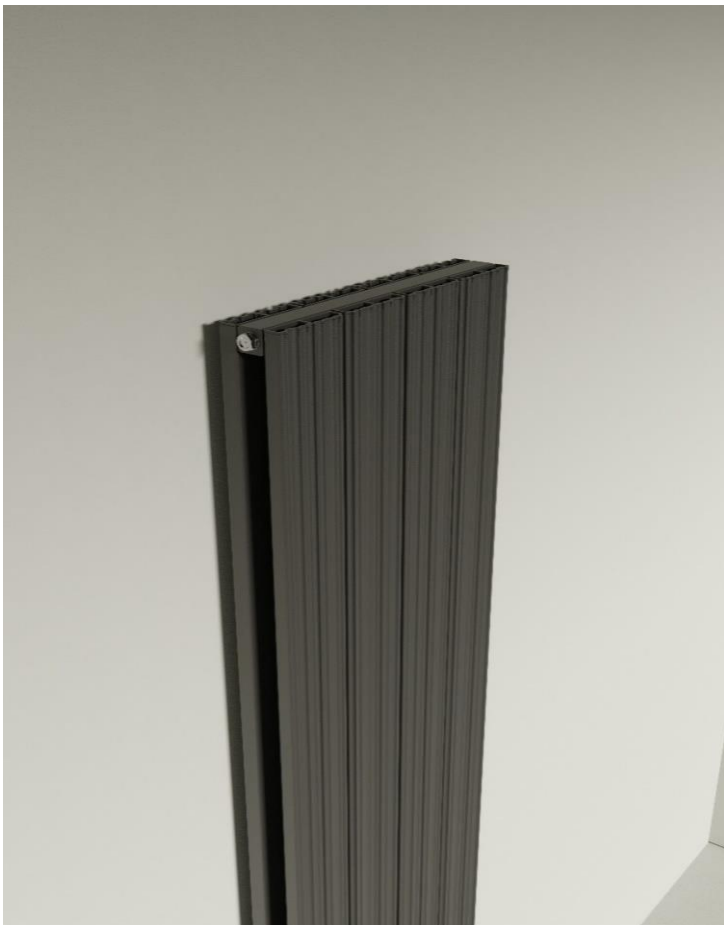
by **warma** 

Engineering, Technology & Art

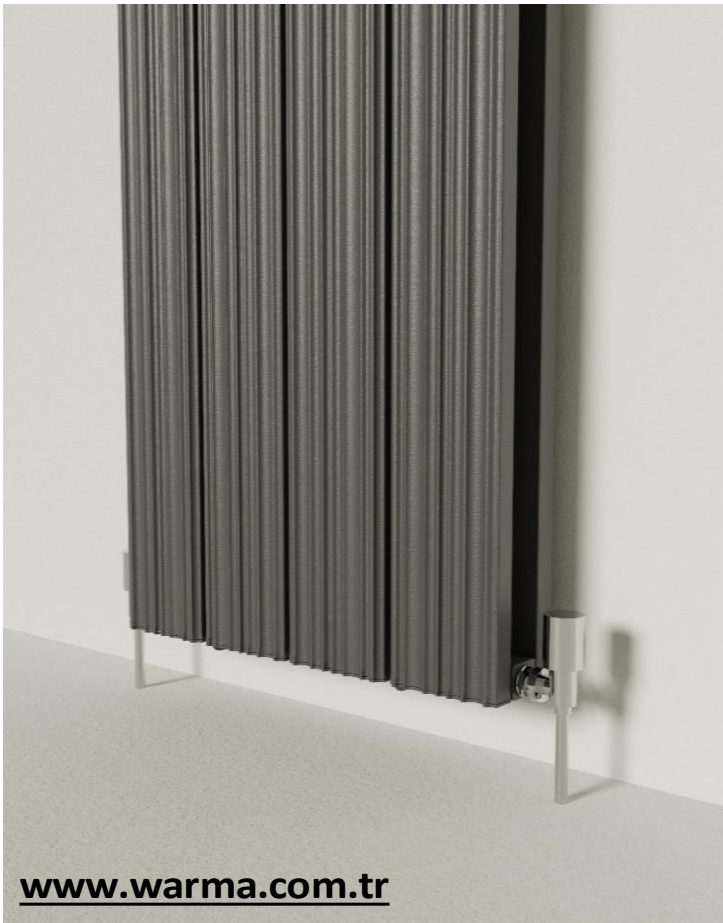
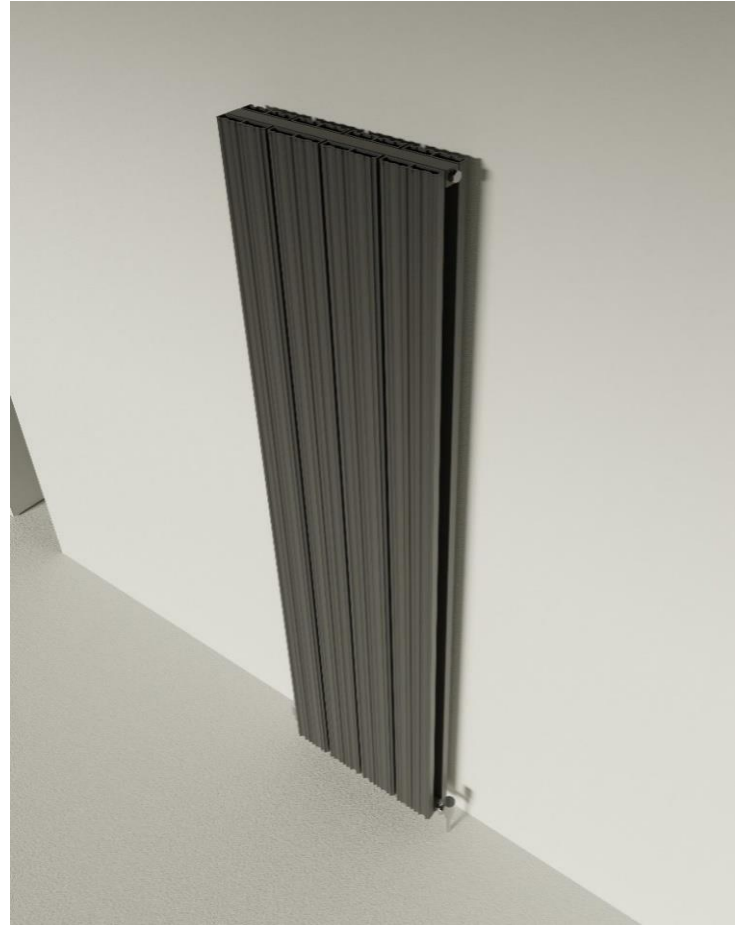


**FLORYA  
DOUBLE  
Aluminium  
Radiator**

**[www.warma.com.tr](http://www.warma.com.tr)**



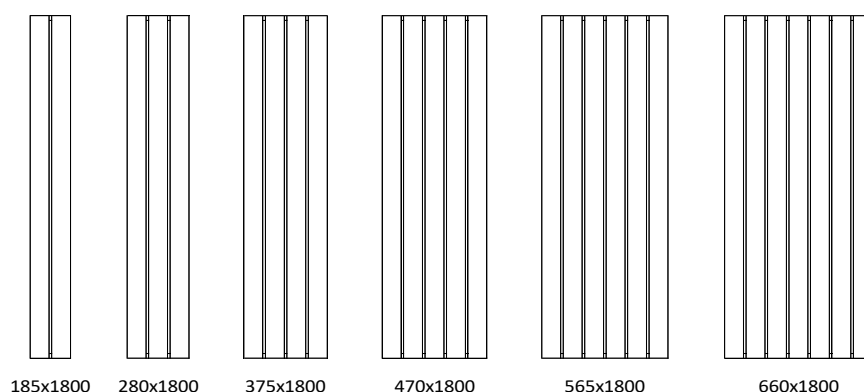
A versatile designer radiator which can be fitted to show the one side or the other side of the panels, allowing the radiator to fit into your lifestyle and decor.



### Construction Features

- \* Aluminium construction.
- \* Can be reversed when hanging on the wall.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right.
- \* Comes with 50 mm middle connection in addition to standard side connection.
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 60 mm.
- \* Depth is 95,80 mm.
- \* Not suitable for installation with a single pipe system.

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### Product Colours

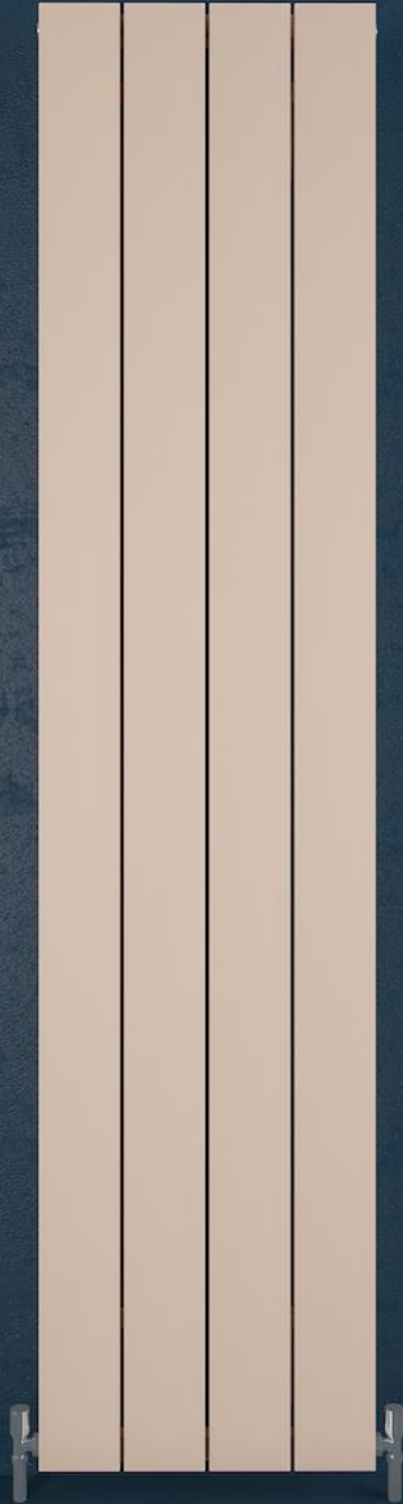


## FLORYA DOUBLE ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t \ 70$ | Heat<br>Output<br>$\Delta t \ 60$ | Heat<br>Output<br>$\Delta t \ 50$ | Heat<br>Output<br>$\Delta t \ 30$ | Heat<br>Output<br>$\Delta t \ 25$ | Km      | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                         | ( watts )                         | ( watts )                         | ( watts )                         | ( watts )                         |         |                   |
| 185    | 1800   | 2                               | 185                                  | 1,0              | 944                               | 768                               | 601                               | 303                               | 238                               | 3,1858  | 1,3396            |
| 280    | 1800   | 3                               | 280                                  | 1,5              | 1.385                             | 1.127                             | 883                               | 445                               | 349                               | 4,6762  | 1,3396            |
| 375    | 1800   | 4                               | 375                                  | 2,0              | 1.816                             | 1.477                             | 1.157                             | 584                               | 457                               | 6,1290  | 1,3396            |
| 470    | 1800   | 5                               | 470                                  | 2,5              | 2.238                             | 1.821                             | 1.426                             | 719                               | 563                               | 7,5544  | 1,3396            |
| 565    | 1800   | 6                               | 565                                  | 2,9              | 2.654                             | 2.159                             | 1.691                             | 853                               | 668                               | 8,9586  | 1,3396            |
| 660    | 1800   | 7                               | 660                                  | 3,4              | 3.065                             | 2.493                             | 1.953                             | 985                               | 772                               | 10,3453 | 1,3396            |

*by***warma** **Engineering, Technology & Art**

**DRAMA**  
**Aluminium**  
**Radiator**



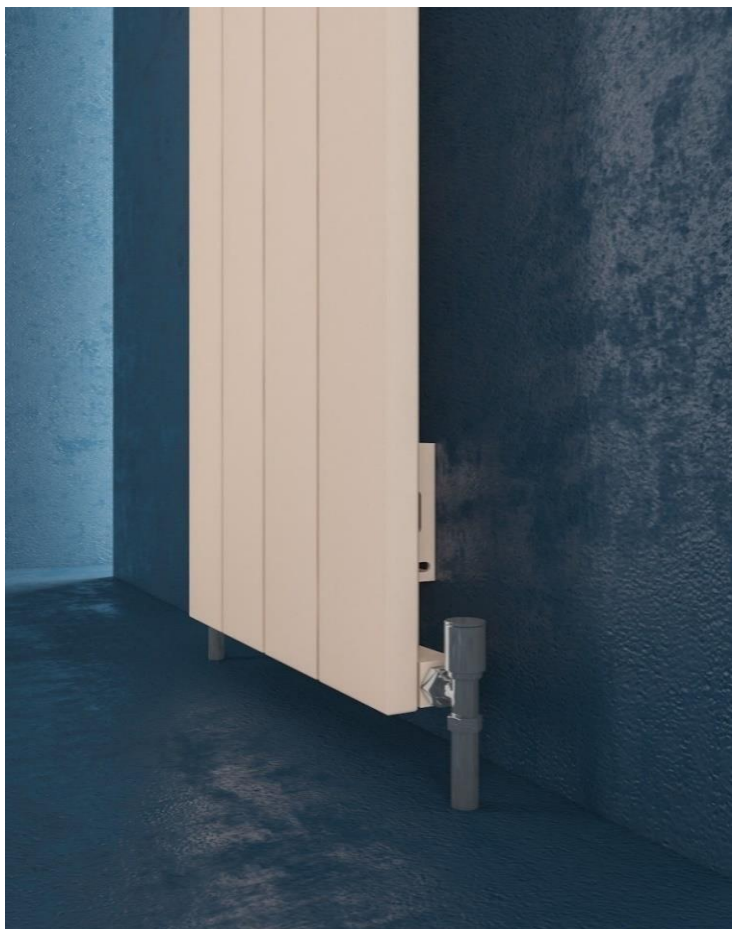
**[www.warma.com.tr](http://www.warma.com.tr)**



Drama aluminium radiator expertly designed with flat bars for a minimalist aesthetic that will fit into both traditional and modern interiors.

The textured finish adds a stylish look that will create a focal point in your home as well as keep it warm.

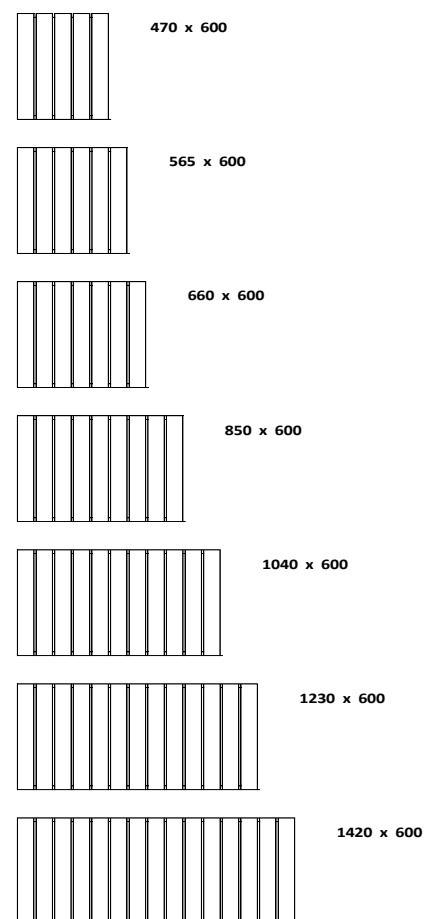
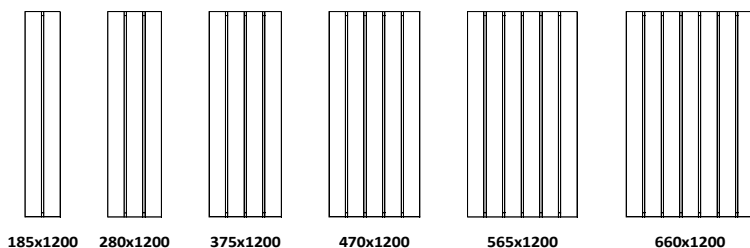
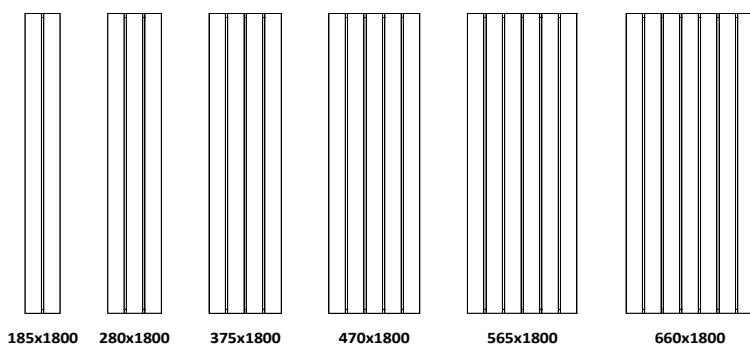
Available in 3 heights.



### Construction Features

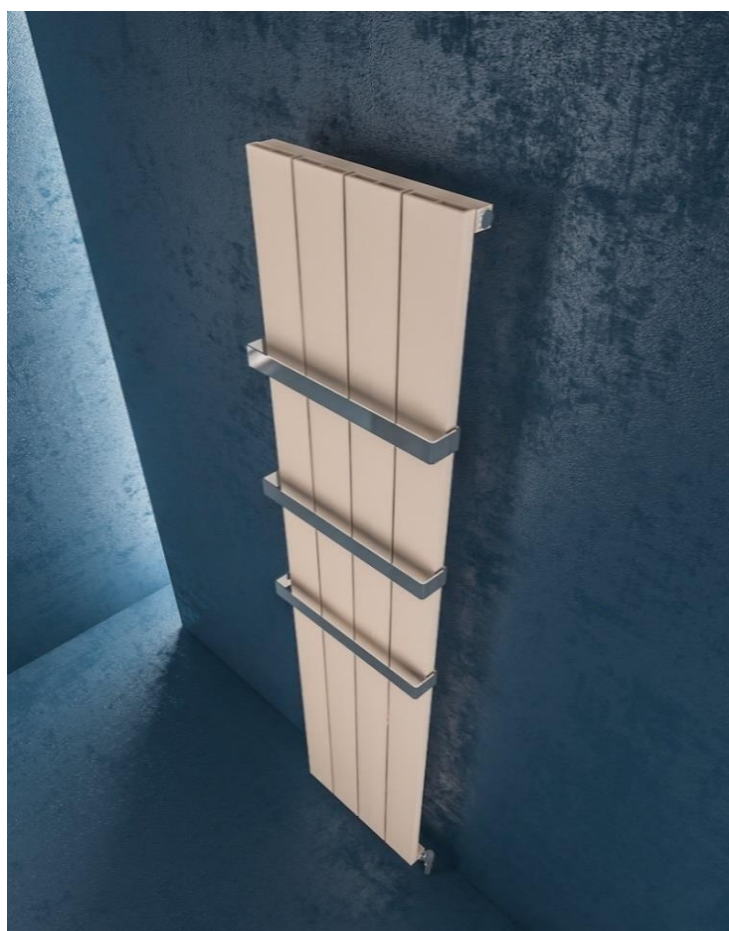
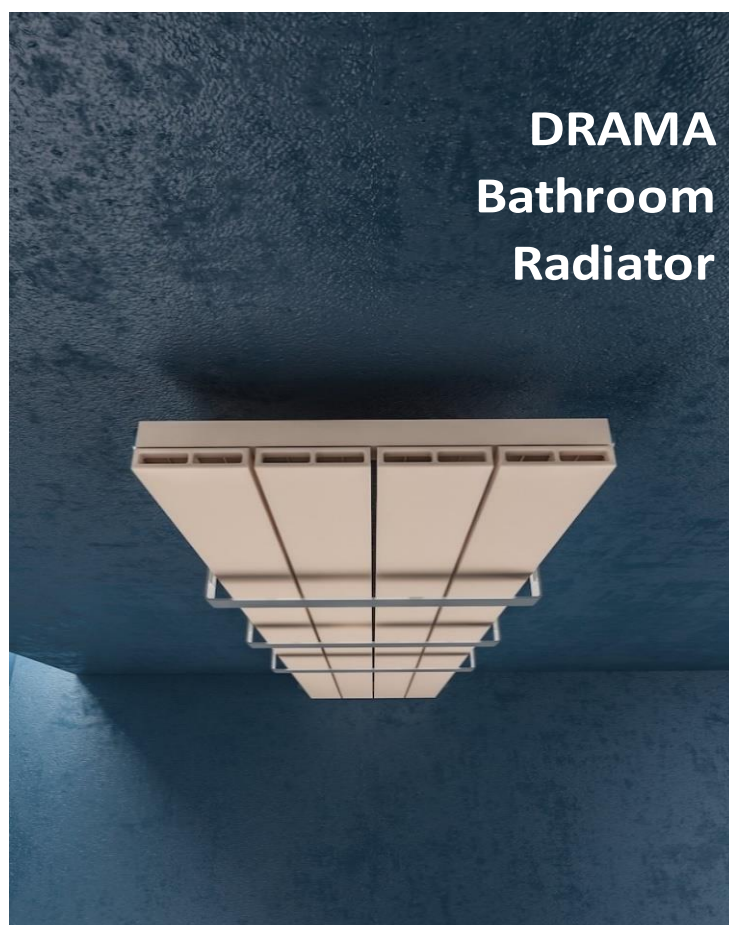
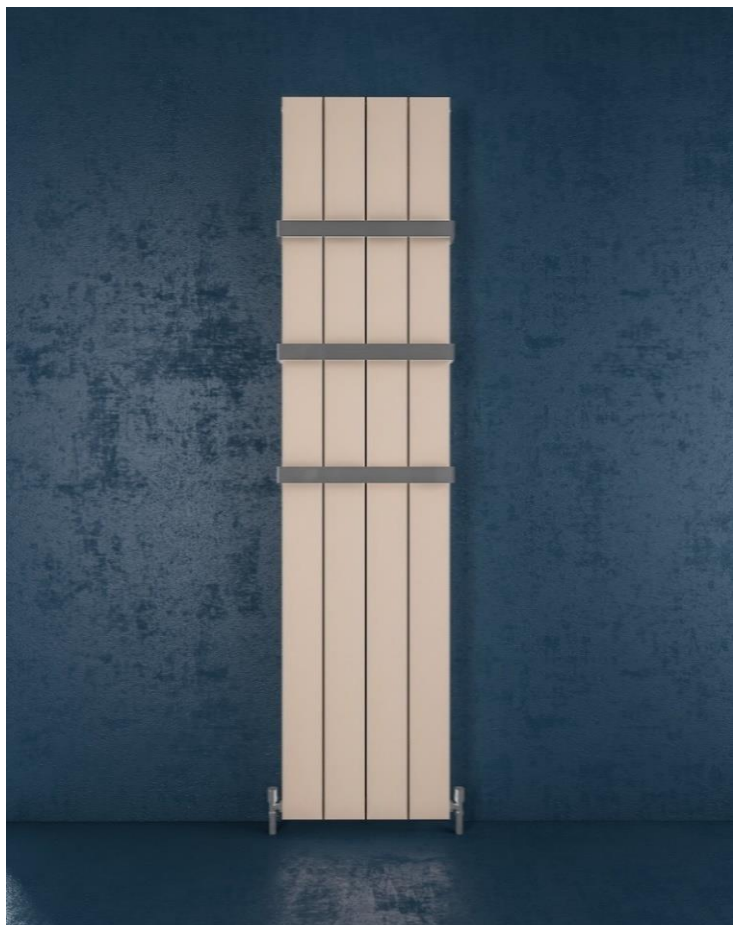
- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 90 mm.
- \* Not suitable for installation with a single pipe system.





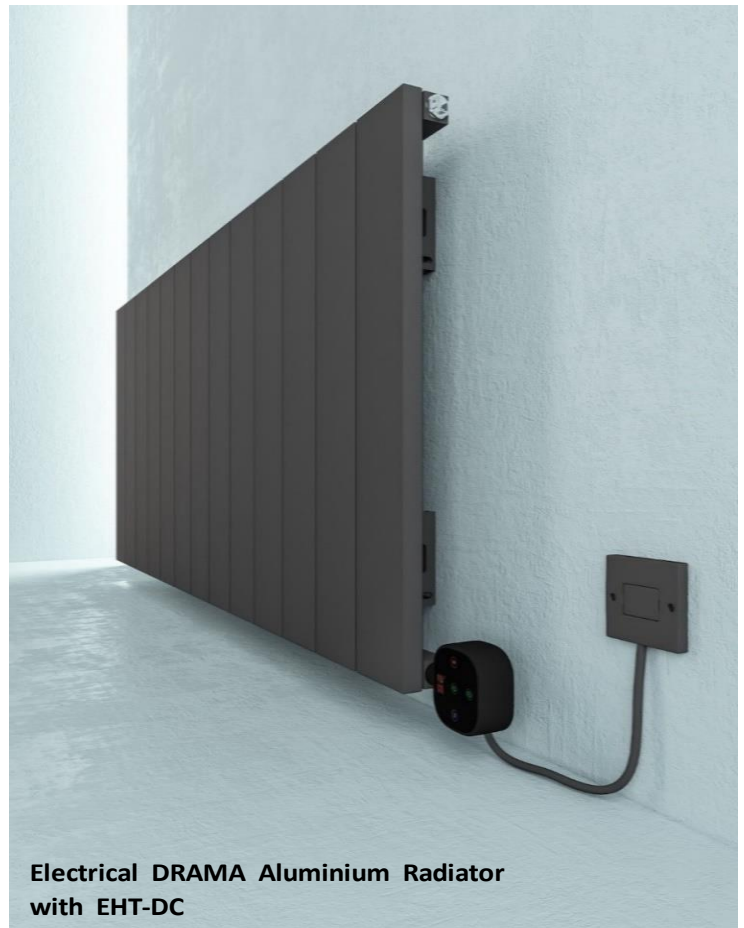
## DRAMA ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km     | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |        |                   |
| 185    | 1800   | 2                               | 185                                  | 1,2              | 691                             | 566                             | 447                             | 231                             | 183                             | 2,8672 | 1,2909            |
| 280    | 1800   | 3                               | 280                                  | 1,7              | 1.030                           | 844                             | 667                             | 345                             | 273                             | 4,2758 | 1,2909            |
| 375    | 1800   | 4                               | 375                                  | 2,3              | 1.365                           | 1.119                           | 884                             | 457                             | 361                             | 5,6671 | 1,2909            |
| 470    | 1800   | 5                               | 470                                  | 2,9              | 1.697                           | 1.391                           | 1.099                           | 569                             | 449                             | 7,0457 | 1,2909            |
| 565    | 1800   | 6                               | 565                                  | 3,5              | 2.027                           | 1.661                           | 1.313                           | 679                             | 537                             | 8,4143 | 1,2909            |
| 660    | 1800   | 7                               | 660                                  | 4,1              | 2.355                           | 1.930                           | 1.525                           | 789                             | 623                             | 9,7747 | 1,2909            |
| 185    | 1200   | 2                               | 185                                  | 0,8              | 479                             | 392                             | 309                             | 159                             | 126                             | 1,9249 | 1,2984            |
| 280    | 1200   | 3                               | 280                                  | 1,2              | 714                             | 584                             | 461                             | 238                             | 188                             | 2,8705 | 1,2984            |
| 375    | 1200   | 4                               | 375                                  | 1,6              | 946                             | 775                             | 611                             | 315                             | 249                             | 3,8045 | 1,2984            |
| 470    | 1200   | 5                               | 470                                  | 2,0              | 1.176                           | 963                             | 760                             | 392                             | 309                             | 4,7301 | 1,2984            |
| 565    | 1200   | 6                               | 565                                  | 2,4              | 1.405                           | 1.150                           | 908                             | 468                             | 369                             | 5,6489 | 1,2984            |
| 660    | 1200   | 7                               | 660                                  | 2,8              | 1.632                           | 1.336                           | 1.054                           | 543                             | 429                             | 6,5622 | 1,2984            |
| 470    | 600    | 5                               | 470                                  | 1,1              | 615                             | 503                             | 396                             | 203                             | 160                             | 2,3935 | 1,3060            |
| 565    | 600    | 6                               | 565                                  | 1,3              | 734                             | 600                             | 473                             | 243                             | 191                             | 2,8584 | 1,3060            |
| 660    | 600    | 7                               | 660                                  | 1,5              | 853                             | 697                             | 550                             | 282                             | 222                             | 3,3206 | 1,3060            |
| 850    | 600    | 9                               | 850                                  | 2,0              | 1.089                           | 890                             | 701                             | 360                             | 284                             | 4,2380 | 1,3060            |
| 1040   | 600    | 11                              | 1040                                 | 2,4              | 1.322                           | 1.081                           | 852                             | 437                             | 345                             | 5,1481 | 1,3060            |
| 1230   | 600    | 13                              | 1230                                 | 2,9              | 1.555                           | 1.271                           | 1.002                           | 514                             | 405                             | 6,0523 | 1,3060            |
| 1420   | 600    | 15                              | 1420                                 | 3,4              | 1.786                           | 1.460                           | 1.151                           | 590                             | 465                             | 6,9515 | 1,3060            |



## DRAMA Electric





Electrical DRAMA Aluminium Radiator  
with EHT-DC



Electrical DRAMA Aluminium Radiator  
with EHT-AC





*by* **warma** 

Engineering, Technology & Art

**DRAMA PLUS**  
**Aluminium**  
**Radiator**

[www.warma.com.tr](http://www.warma.com.tr)

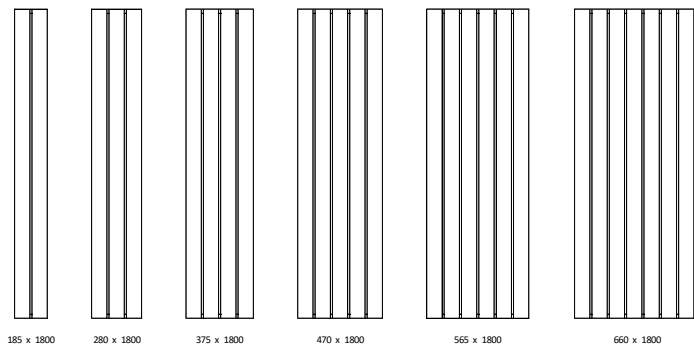


A luxurious flat panelled radiator range with stunning clean lines which will be the focus of any room.



### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 90 mm.
- \* Not suitable for installation with a single pipe system.



Product  
Colours



DRAMA PLUS ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km      | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |         |                   |
| 185    | 1800   | 2                               | 185                                  | 1,2              | 834                             | 680                             | 533                             | 270                             | 212                             | 2,9399  | 1,3294            |
| 280    | 1800   | 3                               | 280                                  | 1,7              | 1.245                           | 1.014                           | 796                             | 404                             | 317                             | 4,3882  | 1,3294            |
| 375    | 1800   | 4                               | 375                                  | 2,3              | 1.652                           | 1.346                           | 1.056                           | 536                             | 420                             | 5,8220  | 1,3294            |
| 470    | 1800   | 5                               | 470                                  | 2,9              | 2.055                           | 1.674                           | 1.314                           | 666                             | 523                             | 7,2412  | 1,3294            |
| 565    | 1800   | 6                               | 565                                  | 3,5              | 2.453                           | 1.999                           | 1.569                           | 795                             | 624                             | 8,6463  | 1,3294            |
| 660    | 1800   | 7                               | 660                                  | 4,1              | 2.848                           | 2.320                           | 1.821                           | 923                             | 725                             | 10,0374 | 1,3294            |



*by***warma** **Engineering, Technology & Art**

**KAVALA  
Aluminium  
Radiator**



**[www.warma.com.tr](http://www.warma.com.tr)**



Kavala aluminium radiator characterized by front facing curved panels that will add the luxury to your desired room, with a choice of towel hangers and your bathroom can also be heated while drying your towels.

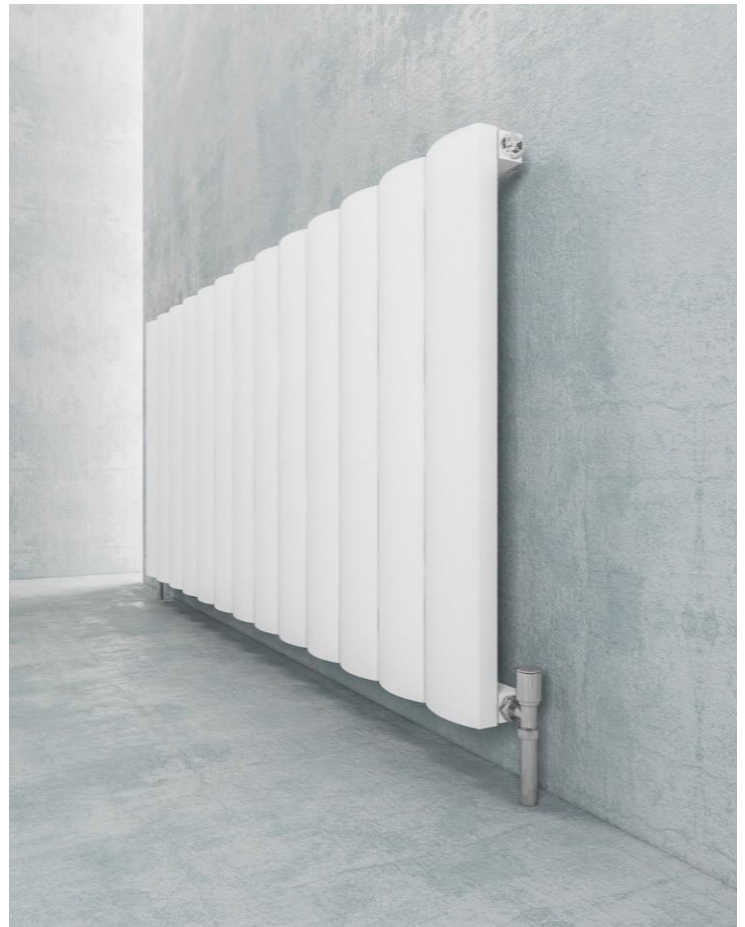
Available in 3 heights.

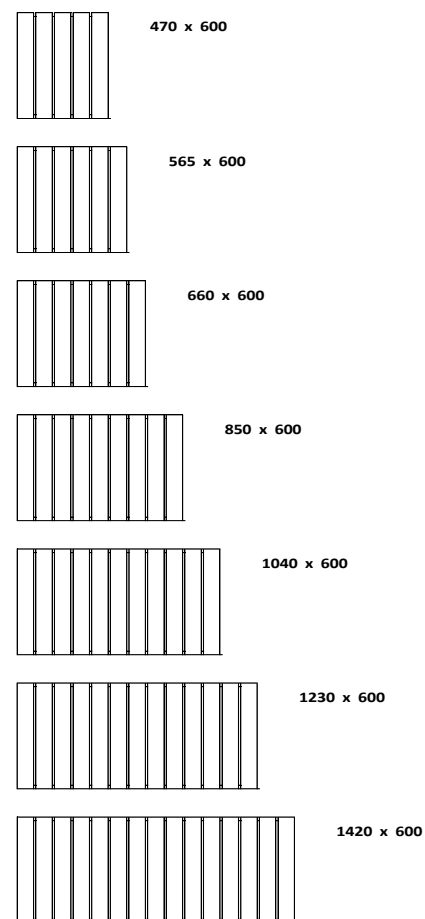
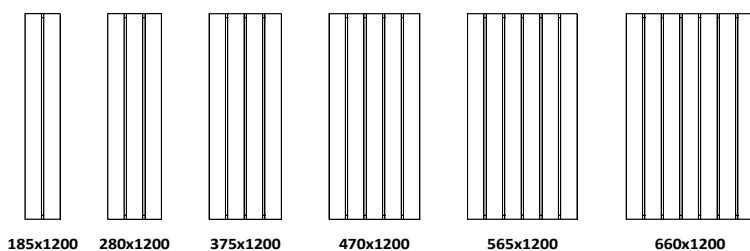
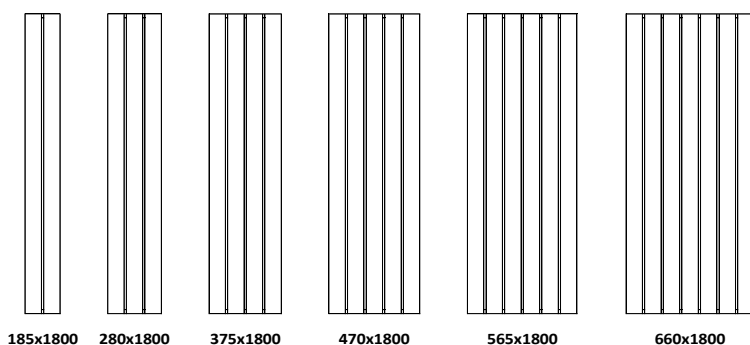


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### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 100 mm.
- \* Not suitable for installation with a single pipe system.





## KAVALA ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km      | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |         |                   |
| 185    | 1800   | 2                               | 185                                  | 1,2              | 701                             | 576                             | 458                             | 240                             | 190                             | 3,2265  | 1,2665            |
| 280    | 1800   | 3                               | 280                                  | 1,7              | 1.050                           | 864                             | 686                             | 359                             | 285                             | 4,8339  | 1,2665            |
| 375    | 1800   | 4                               | 375                                  | 2,3              | 1.396                           | 1.148                           | 912                             | 477                             | 379                             | 6,4278  | 1,2665            |
| 470    | 1800   | 5                               | 470                                  | 2,9              | 1.740                           | 1.431                           | 1.136                           | 595                             | 472                             | 8,0117  | 1,2665            |
| 565    | 1800   | 6                               | 565                                  | 3,5              | 2.082                           | 1.713                           | 1.360                           | 712                             | 565                             | 9,5877  | 1,2665            |
| 660    | 1800   | 7                               | 660                                  | 4,1              | 2.423                           | 1.993                           | 1.582                           | 829                             | 658                             | 11,1572 | 1,2665            |
| 185    | 1200   | 2                               | 185                                  | 0,8              | 499                             | 409                             | 323                             | 167                             | 132                             | 2,0400  | 1,2946            |
| 280    | 1200   | 3                               | 280                                  | 1,2              | 748                             | 613                             | 484                             | 250                             | 197                             | 3,0564  | 1,2946            |
| 375    | 1200   | 4                               | 375                                  | 1,6              | 995                             | 815                             | 643                             | 332                             | 262                             | 4,0641  | 1,2946            |
| 470    | 1200   | 5                               | 470                                  | 2,0              | 1.240                           | 1.015                           | 802                             | 414                             | 327                             | 5,0656  | 1,2946            |
| 565    | 1200   | 6                               | 565                                  | 2,4              | 1.483                           | 1.215                           | 960                             | 495                             | 391                             | 6,0620  | 1,2946            |
| 660    | 1200   | 7                               | 660                                  | 2,8              | 1.726                           | 1.414                           | 1.117                           | 576                             | 455                             | 7,0544  | 1,2946            |
| 470    | 600    | 5                               | 470                                  | 1,1              | 638                             | 520                             | 409                             | 208                             | 163                             | 2,3135  | 1,3226            |
| 565    | 600    | 6                               | 565                                  | 1,3              | 763                             | 622                             | 489                             | 249                             | 196                             | 2,7686  | 1,3226            |
| 660    | 600    | 7                               | 660                                  | 1,5              | 888                             | 724                             | 569                             | 290                             | 228                             | 3,2218  | 1,3226            |
| 850    | 600    | 9                               | 850                                  | 2,0              | 1.137                           | 927                             | 728                             | 371                             | 291                             | 4,1236  | 1,3226            |
| 1040   | 600    | 11                              | 1040                                 | 2,4              | 1.384                           | 1.129                           | 887                             | 451                             | 355                             | 5,0205  | 1,3226            |
| 1230   | 600    | 13                              | 1230                                 | 2,9              | 1.630                           | 1.329                           | 1.044                           | 531                             | 418                             | 5,9133  | 1,3226            |
| 1420   | 600    | 15                              | 1420                                 | 3,4              | 1.875                           | 1.529                           | 1.202                           | 611                             | 480                             | 6,8028  | 1,3226            |

## KAVALA Bathroom Radiator



## KAVALA Electric

**Electrical KAVALA Aluminium Radiator  
with EHT-DC**





**Electrical KAVALA Aluminium Radiator  
with EHT-AC**

*by***warma** **Engineering, Technology & Art**

**SELANIK  
Aluminium  
Radiator**

**[www.warma.com.tr](http://www.warma.com.tr)**



Creating a unique and elegant atmosphere for your home is possible,

Selanik aluminium radiator will add a touch of sophistication creating an impact in any room.

Available in 3 heights.

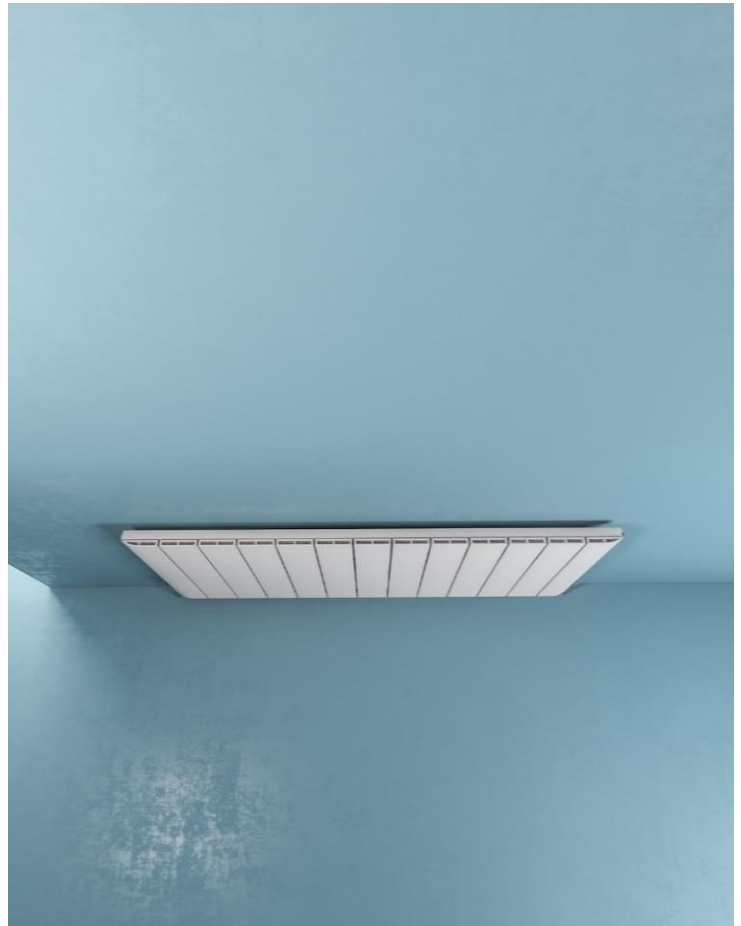


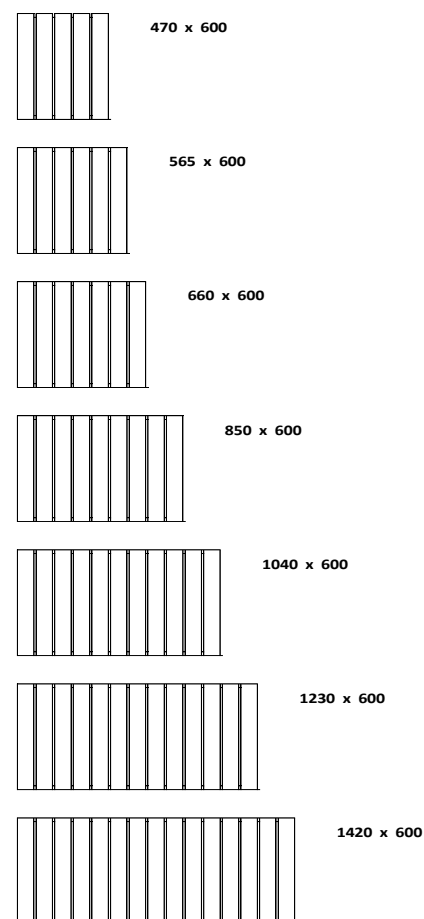
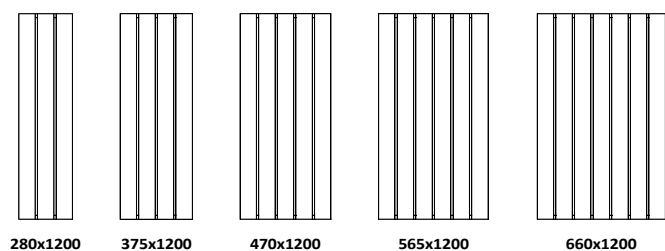
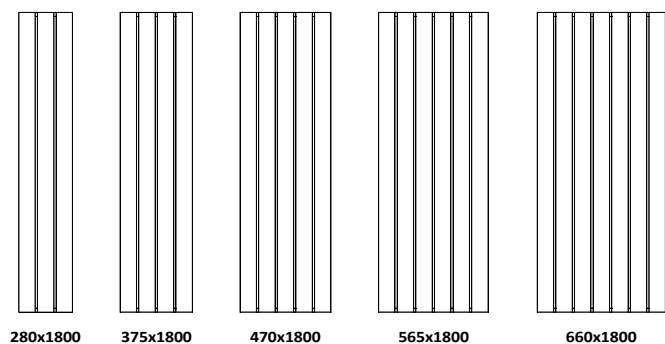
[www.warma.com.tr](http://www.warma.com.tr)

### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 90 mm.
- \* Not suitable for installation with a single pipe system.







## SELANIK ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km      | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |         |                   |
| 280    | 1800   | 3                               | 280                                  | 1,7              | 1.050                           | 864                             | 686                             | 359                             | 285                             | 4,8339  | 1,2665            |
| 375    | 1800   | 4                               | 375                                  | 2,3              | 1.396                           | 1.148                           | 912                             | 477                             | 379                             | 6,4278  | 1,2665            |
| 470    | 1800   | 5                               | 470                                  | 2,9              | 1.740                           | 1.431                           | 1.136                           | 595                             | 472                             | 8,0117  | 1,2665            |
| 565    | 1800   | 6                               | 565                                  | 3,5              | 2.082                           | 1.713                           | 1.360                           | 712                             | 565                             | 9,5877  | 1,2665            |
| 660    | 1800   | 7                               | 660                                  | 4,1              | 2.423                           | 1.993                           | 1.582                           | 829                             | 658                             | 11,1572 | 1,2665            |
| 280    | 1200   | 3                               | 280                                  | 1,2              | 748                             | 613                             | 484                             | 250                             | 197                             | 3,0564  | 1,2946            |
| 375    | 1200   | 4                               | 375                                  | 1,6              | 995                             | 815                             | 643                             | 332                             | 262                             | 4,0641  | 1,2946            |
| 470    | 1200   | 5                               | 470                                  | 2,0              | 1.240                           | 1.015                           | 802                             | 414                             | 327                             | 5,0656  | 1,2946            |
| 565    | 1200   | 6                               | 565                                  | 2,4              | 1.483                           | 1.215                           | 960                             | 495                             | 391                             | 6,0620  | 1,2946            |
| 660    | 1200   | 7                               | 660                                  | 2,8              | 1.726                           | 1.414                           | 1.117                           | 576                             | 455                             | 7,0544  | 1,2946            |
| 470    | 600    | 5                               | 470                                  | 1,1              | 638                             | 520                             | 409                             | 208                             | 163                             | 2,3135  | 1,3226            |
| 565    | 600    | 6                               | 565                                  | 1,3              | 763                             | 622                             | 489                             | 249                             | 196                             | 2,7686  | 1,3226            |
| 660    | 600    | 7                               | 660                                  | 1,5              | 888                             | 724                             | 569                             | 290                             | 228                             | 3,2218  | 1,3226            |
| 850    | 600    | 9                               | 850                                  | 2,0              | 1.137                           | 927                             | 728                             | 371                             | 291                             | 4,1236  | 1,3226            |
| 1040   | 600    | 11                              | 1040                                 | 2,4              | 1.384                           | 1.129                           | 887                             | 451                             | 355                             | 5,0205  | 1,3226            |
| 1230   | 600    | 13                              | 1230                                 | 2,9              | 1.630                           | 1.329                           | 1.044                           | 531                             | 418                             | 5,9133  | 1,3226            |
| 1420   | 600    | 15                              | 1420                                 | 3,4              | 1.875                           | 1.529                           | 1.202                           | 611                             | 480                             | 6,8028  | 1,3226            |



**SELANIK**  
**Bathroom**  
**Radiator**

## SELANIK Electric

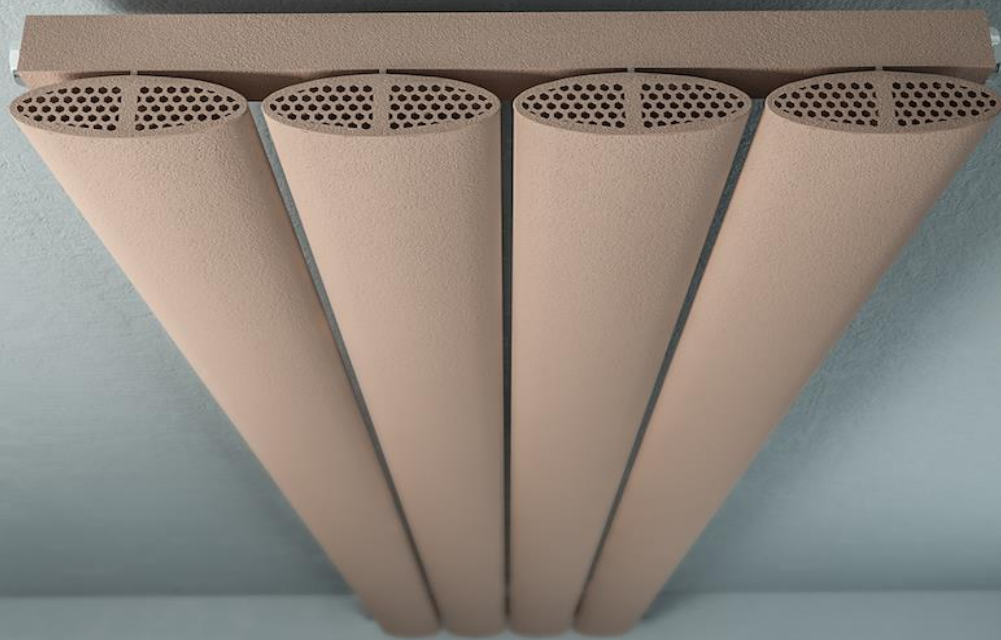


Electrical SELANIK Aluminium Radiator  
with EHT-AC



Engineering, Technology & Art

SEREZ  
Aluminium  
Radiator





The concept of the radiator has changed over time, from a simple radiator it has become a real piece of furniture.

Serez aluminium radiator characterized by elliptic elements that will add the luxury to your desired room.

Available in 3 heights satisfy every practical need.

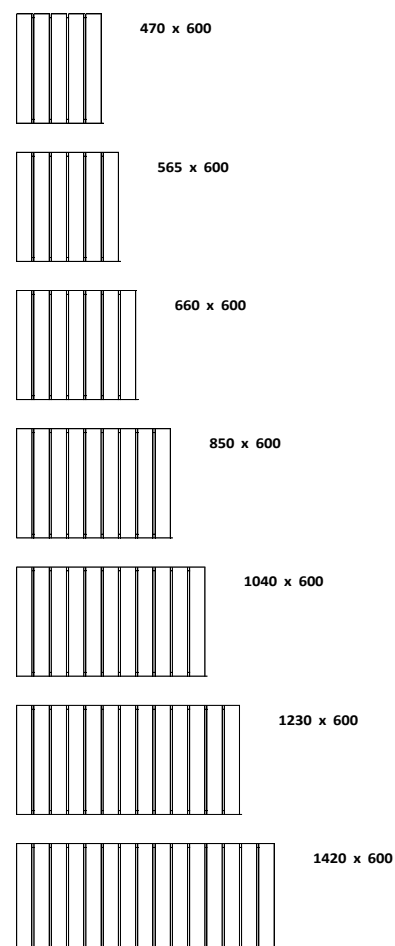
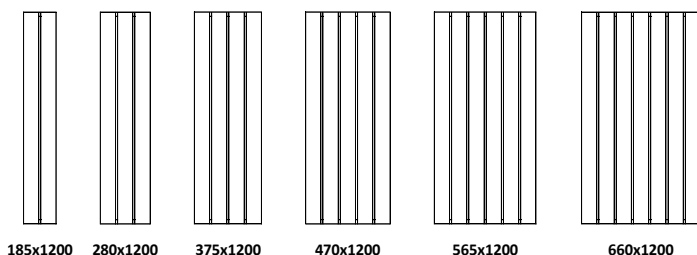
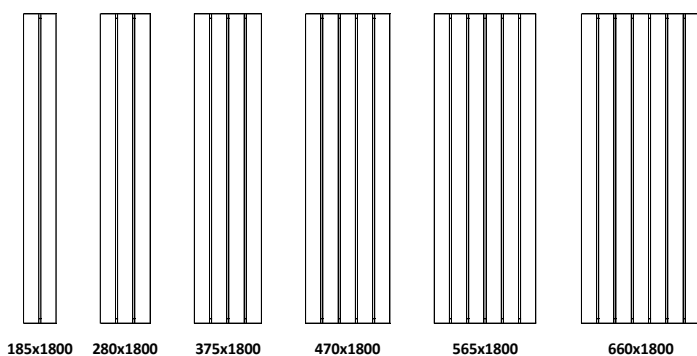


### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 100 mm.
- \* Not suitable for installation with a single pipe system.

[www.warma.com.tr](http://www.warma.com.tr)





## SEREZ ALUMINIUM RADIATOR

| Width<br>(mm) | Height<br>(mm) | Vertical<br>Section<br>Quantity<br>(pcs) | Inlet Outlet<br>Distance<br>(Axis)<br>(mm) | Water<br>Content<br>(Lt) | Heat<br>Output<br>$\Delta t$ 70<br>(watts) | Heat<br>Output<br>$\Delta t$ 60<br>(watts) | Heat<br>Output<br>$\Delta t$ 50<br>(watts) | Heat<br>Output<br>$\Delta t$ 30<br>(watts) | Heat<br>Output<br>$\Delta t$ 25<br>(watts) | Km     | Exponent<br>(n) |
|---------------|----------------|------------------------------------------|--------------------------------------------|--------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------|-----------------|
| 185           | 1800           | 2                                        | 185                                        | 1,2                      | 666                                        | 544                                        | 429                                        | 220                                        | 173                                        | 2,5858 | 1,3065          |
| 280           | 1800           | 3                                        | 280                                        | 1,7                      | 984                                        | 804                                        | 634                                        | 325                                        | 256                                        | 3,8221 | 1,3065          |
| 375           | 1800           | 4                                        | 375                                        | 2,3                      | 1.296                                      | 1.059                                      | 835                                        | 428                                        | 338                                        | 5,0342 | 1,3065          |
| 470           | 1800           | 5                                        | 470                                        | 2,9                      | 1.603                                      | 1.311                                      | 1.033                                      | 530                                        | 418                                        | 6,2287 | 1,3065          |
| 565           | 1800           | 6                                        | 565                                        | 3,5                      | 1.907                                      | 1.559                                      | 1.229                                      | 630                                        | 497                                        | 7,4094 | 1,3065          |
| 660           | 1800           | 7                                        | 660                                        | 4,1                      | 2.208                                      | 1.805                                      | 1.423                                      | 730                                        | 575                                        | 8,5788 | 1,3065          |
| 185           | 1200           | 2                                        | 185                                        | 0,8                      | 458                                        | 375                                        | 296                                        | 153                                        | 120                                        | 1,8575 | 1,2962          |
| 280           | 1200           | 3                                        | 280                                        | 1,2                      | 676                                        | 554                                        | 437                                        | 226                                        | 178                                        | 2,7456 | 1,2962          |
| 375           | 1200           | 4                                        | 375                                        | 1,6                      | 891                                        | 730                                        | 576                                        | 297                                        | 235                                        | 3,6163 | 1,2962          |
| 470           | 1200           | 5                                        | 470                                        | 2,0                      | 1.102                                      | 903                                        | 713                                        | 368                                        | 290                                        | 4,4743 | 1,2962          |
| 565           | 1200           | 6                                        | 565                                        | 2,4                      | 1.311                                      | 1.074                                      | 848                                        | 437                                        | 345                                        | 5,3225 | 1,2962          |
| 660           | 1200           | 7                                        | 660                                        | 2,8                      | 1.518                                      | 1.243                                      | 982                                        | 506                                        | 400                                        | 6,1625 | 1,2962          |
| 470           | 600            | 5                                        | 470                                        | 1,1                      | 599                                        | 491                                        | 389                                        | 202                                        | 159                                        | 2,5417 | 1,2858          |
| 565           | 600            | 6                                        | 565                                        | 1,3                      | 713                                        | 585                                        | 462                                        | 240                                        | 190                                        | 3,0235 | 1,2858          |
| 660           | 600            | 7                                        | 660                                        | 1,5                      | 825                                        | 677                                        | 535                                        | 278                                        | 220                                        | 3,5007 | 1,2858          |
| 850           | 600            | 9                                        | 850                                        | 2,0                      | 1.048                                      | 859                                        | 680                                        | 352                                        | 279                                        | 4,4438 | 1,2858          |
| 1040          | 600            | 11                                       | 1040                                       | 2,4                      | 1.267                                      | 1.039                                      | 822                                        | 426                                        | 337                                        | 5,3748 | 1,2858          |
| 1230          | 600            | 13                                       | 1230                                       | 2,9                      | 1.484                                      | 1.217                                      | 963                                        | 499                                        | 395                                        | 6,2962 | 1,2858          |
| 1420          | 600            | 15                                       | 1420                                       | 3,4                      | 1.700                                      | 1.394                                      | 1.103                                      | 572                                        | 452                                        | 7,2094 | 1,2858          |



**SEREZ**  
**Bathroom**  
**Radiator**

*by***warma** **Engineering, Technology & Art**

**DEBRE**  
**Aluminium**  
**Radiator**

[www.warma.com.tr](http://www.warma.com.tr)



Debre is a slimline aluminium radiator. It is the best heating solution for confined spaces. With additional extra towel hangers this radiator is ideal for drying kitchen or bathroom towels.

Available in 2 heights.



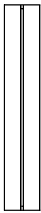
### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 90 mm.
- \* Not suitable for installation with a single pipe system.

[www.warma.com.tr](http://www.warma.com.tr)



185x1800



185x1200

Product  
Colours



Texture  
Black  
RAL 9005



Texture  
Anthracite  
7946



Texture  
Anthracite  
7766



Texture  
Grey  
RAL 7040



Texture  
White  
RAL 9016



Texture  
Cappuccino  
1229

DEBRE ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content<br>( Lt ) | Heat<br>Output<br>Δt 70<br>( watts ) | Heat<br>Output<br>Δt 60<br>( watts ) | Heat<br>Output<br>Δt 50<br>( watts ) | Heat<br>Output<br>Δt 30<br>( watts ) | Heat<br>Output<br>Δt 25<br>( watts ) | Km     | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|----------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )                     | ( watts )                            | ( watts )                            | ( watts )                            | ( watts )                            | ( watts )                            |        |                   |
| 185    | 1800   | 2                               | 185                                  | 1,2                        | 659                                  | 540                                  | 427                                  | 222                                  | 175                                  | 2,7971 | 1,2856            |
| 185    | 1200   | 2                               | 185                                  | 0,8                        | 455                                  | 374                                  | 296                                  | 154                                  | 122                                  | 2,0146 | 1,2759            |



DEBRE  
Bathroom  
Radiator

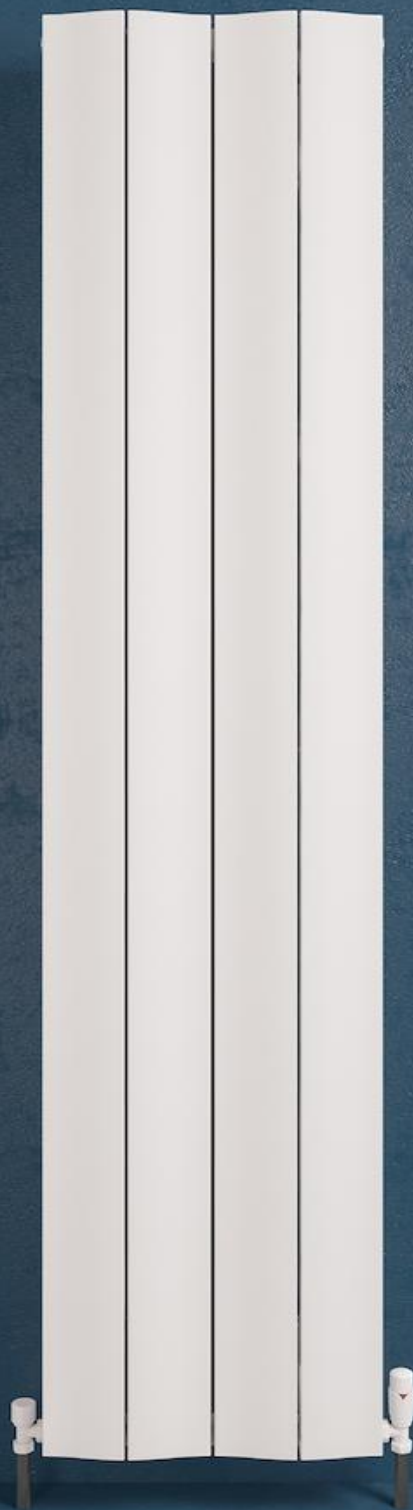




by **warma** 

Engineering, Technology & Art

**CUNDA**  
**Aluminium**  
**Radiator**



[www.warma.com.tr](http://www.warma.com.tr)



This wavy element design has a curved front that will provide a stylish warmth to any room.

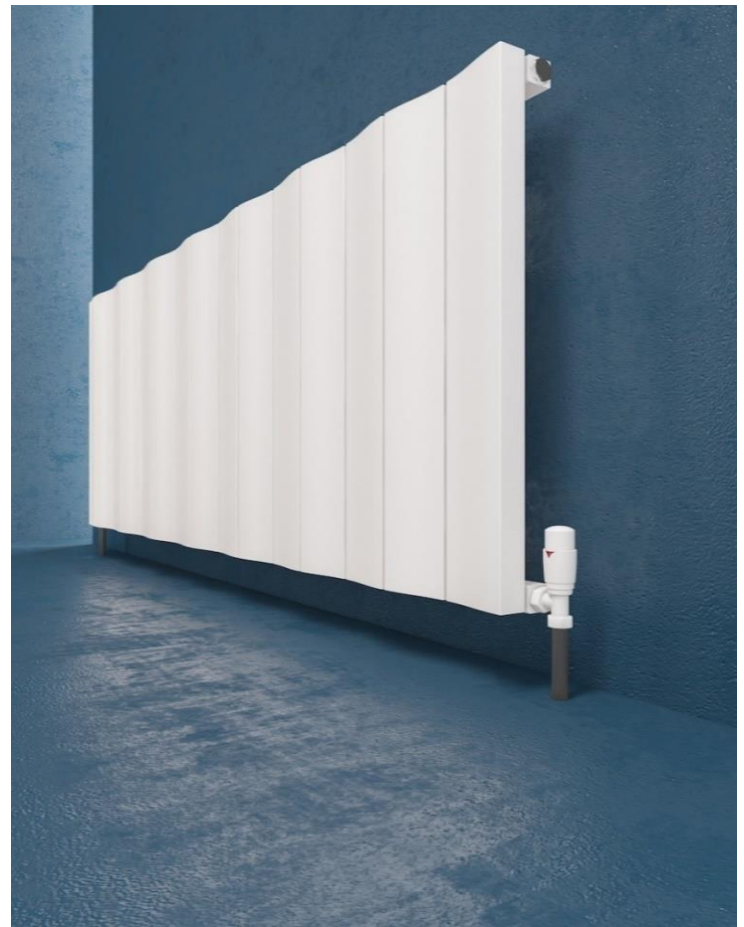
Cunda aluminium radiator with slimline design is an ideal solution for those tight or tall spaces.

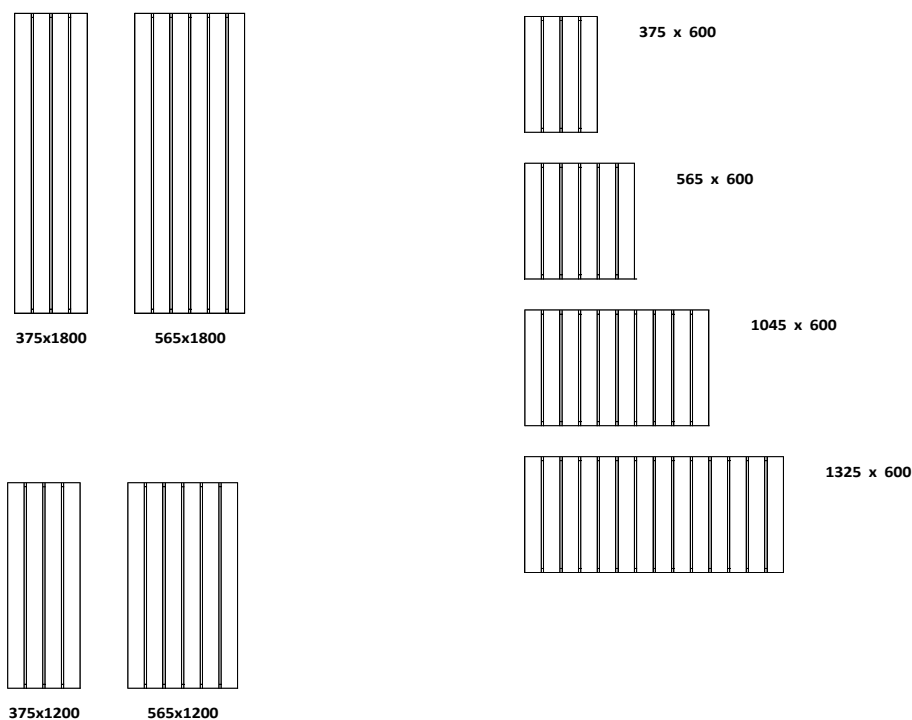


### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 100 mm.
- \* Not suitable for installation with a single pipe system.

[www.warma.com.tr](http://www.warma.com.tr)





### Product Colours



## CUNDA ALUMINIUM RADIATOR

| Width  | Height | Vertical Section Quantity | Inlet Outlet Distance ( Axis ) | Water Content | Heat Output $\Delta t$ 70 | Heat Output $\Delta t$ 60 | Heat Output $\Delta t$ 50 | Heat Output $\Delta t$ 30 | Heat Output $\Delta t$ 25 | Km     | Exponent (n) |
|--------|--------|---------------------------|--------------------------------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|--------------|
| ( mm ) | ( mm ) | ( pcs )                   | ( mm )                         | ( Lt )        | ( watts )                 | ( watts )                 | ( watts )                 | ( watts )                 | ( watts )                 |        |              |
| 375    | 1800   | 4                         | 375                            | 2,3           | 1.403                     | 1.140                     | 893                       | 449                       | 352                       | 4,6454 | 1,3441       |
| 565    | 1800   | 6                         | 565                            | 3,5           | 2.112                     | 1.717                     | 1.344                     | 676                       | 529                       | 6,9935 | 1,3441       |
| 375    | 1200   | 4                         | 375                            | 1,6           | 933                       | 760                       | 596                       | 302                       | 237                       | 3,2399 | 1,3330       |
| 565    | 1200   | 6                         | 565                            | 2,4           | 1.405                     | 1.144                     | 897                       | 454                       | 356                       | 4,8776 | 1,3330       |
| 375    | 600    | 4                         | 375                            | 0,9           | 481                       | 392                       | 308                       | 157                       | 123                       | 1,7499 | 1,3219       |
| 565    | 600    | 6                         | 565                            | 1,3           | 724                       | 590                       | 464                       | 236                       | 186                       | 2,6344 | 1,3219       |
| 945    | 600    | 10                        | 945                            | 2,2           | 1.210                     | 987                       | 775                       | 395                       | 310                       | 4,4017 | 1,3219       |
| 1325   | 600    | 14                        | 1325                           | 3,1           | 1.695                     | 1.382                     | 1.086                     | 553                       | 435                       | 6,1677 | 1,3219       |



**CUNDA  
Bathroom  
Radiator**

## CUNDA Electric



**Electrical CUNDA Aluminium Radiator  
with EHT-AC**

## CUNDA Electric

Electrical CUNDA Aluminium Radiator  
with EHT-DC



*by***warma** **Engineering, Technology & Art**

**ULA**  
**Aluminium**  
**Radiator**



**[www.warma.com.tr](http://www.warma.com.tr)**



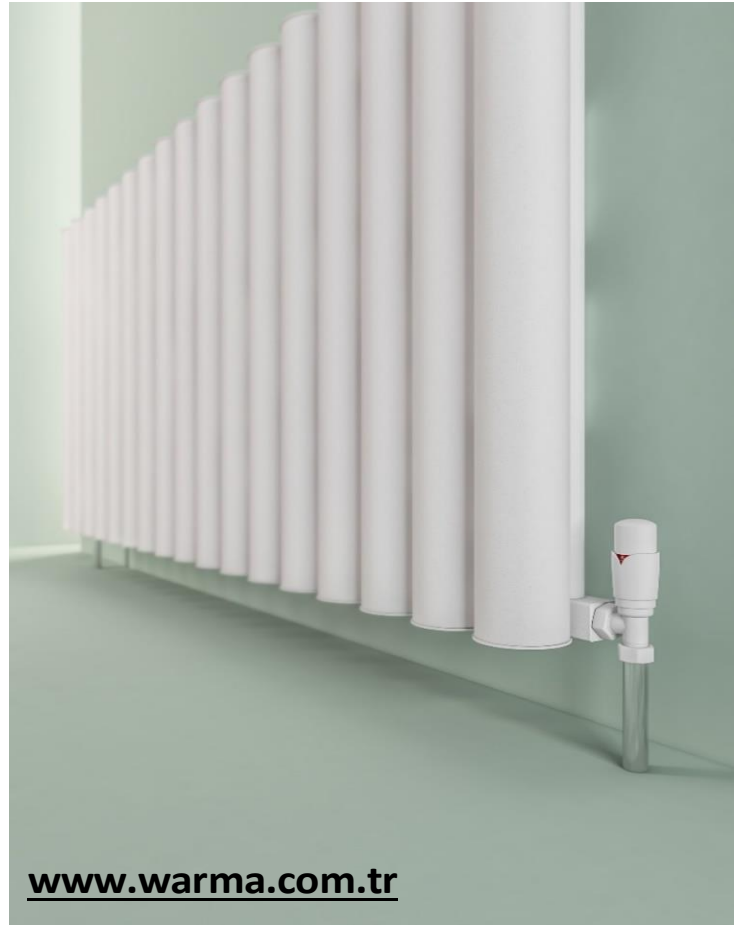
Round and broad vertical profiles meet the perfect craftsmanship. With additional extra towel hangers this radiator is ideal for drying kitchen and bathroom towels.



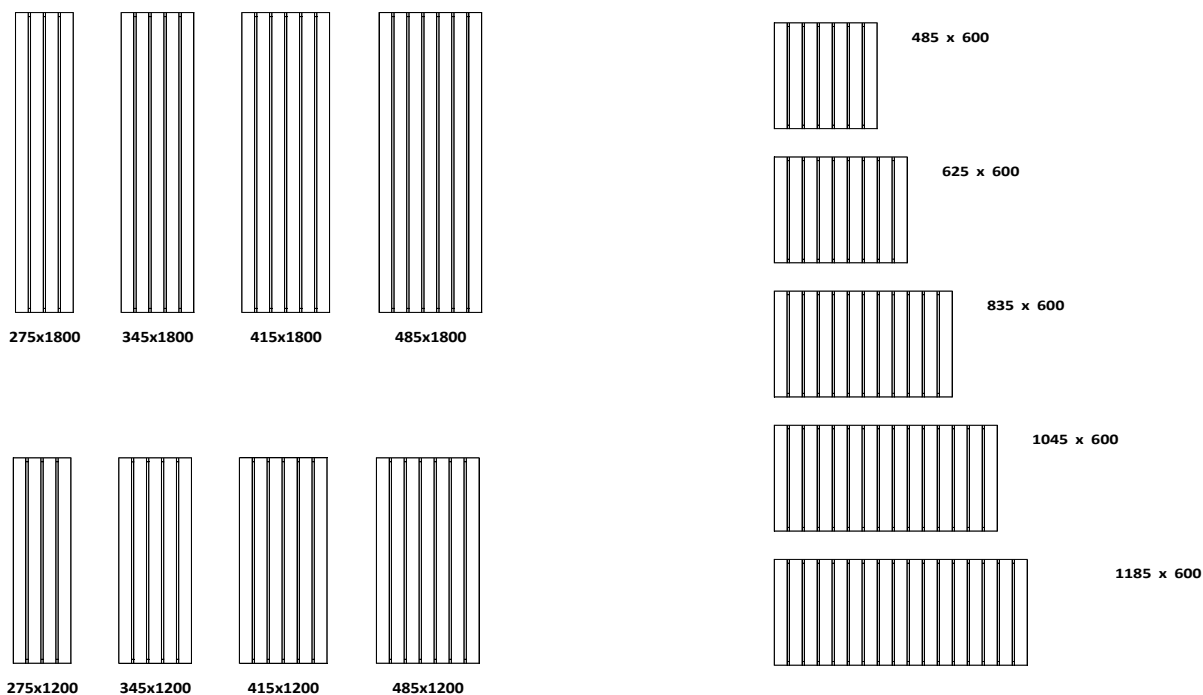
[www.warma.com.tr](http://www.warma.com.tr)

### Construction Features

- \* Aluminium construction.
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- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 128 mm.
- \* Not suitable for installation with a single pipe system.



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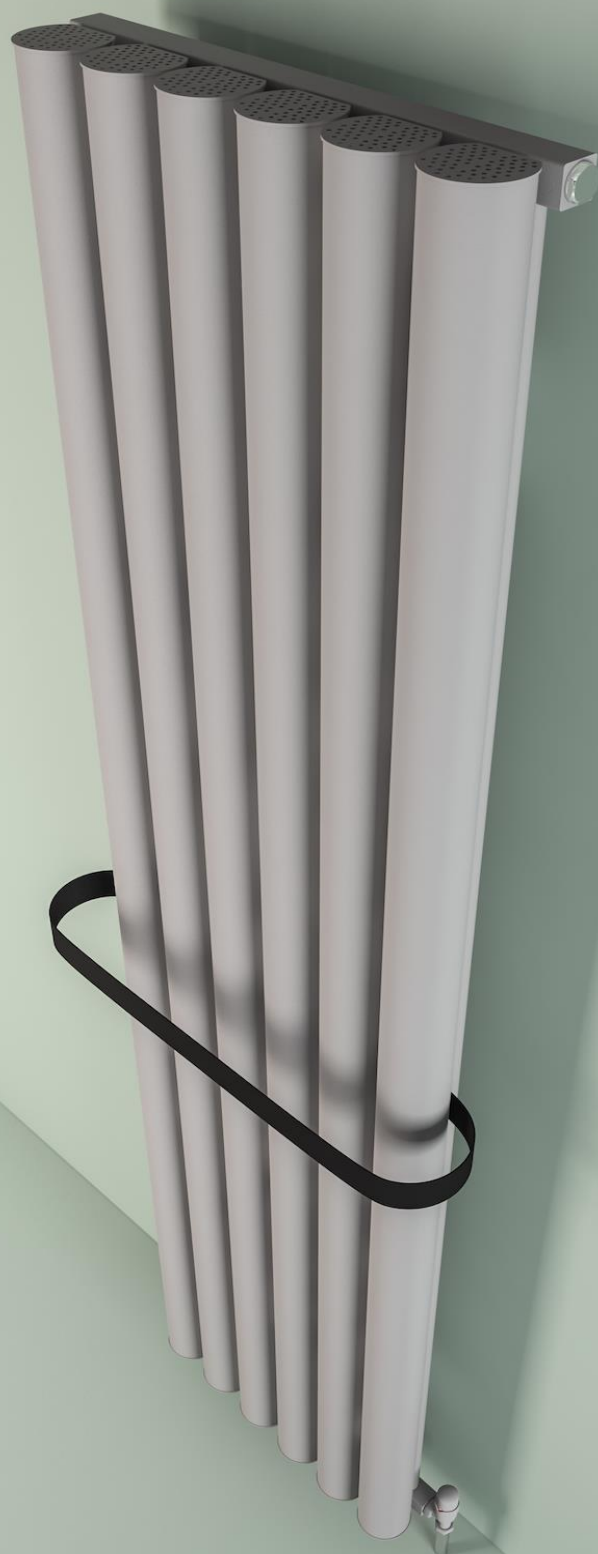


Product  
Colours



## ULA ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km     | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |        |                   |
| 275    | 1800   | 4                               | 275                                  | 2,3              | 1.203                           | 972                             | 756                             | 373                             | 290                             | 3,3838 | 1,3826            |
| 345    | 1800   | 5                               | 345                                  | 2,8              | 1.496                           | 1.209                           | 939                             | 464                             | 360                             | 4,2060 | 1,3826            |
| 415    | 1800   | 6                               | 415                                  | 3,4              | 1.786                           | 1.443                           | 1.122                           | 553                             | 430                             | 5,0214 | 1,3826            |
| 485    | 1800   | 7                               | 485                                  | 4,0              | 2.074                           | 1.676                           | 1.302                           | 643                             | 500                             | 5,8311 | 1,3826            |
| 275    | 1200   | 4                               | 275                                  | 1,6              | 787                             | 640                             | 501                             | 252                             | 198                             | 2,6241 | 1,3424            |
| 345    | 1200   | 5                               | 345                                  | 2,0              | 978                             | 795                             | 623                             | 314                             | 245                             | 3,2617 | 1,3424            |
| 415    | 1200   | 6                               | 415                                  | 2,4              | 1.167                           | 949                             | 743                             | 374                             | 293                             | 3,8940 | 1,3424            |
| 485    | 1200   | 7                               | 485                                  | 2,8              | 1.356                           | 1.102                           | 863                             | 435                             | 340                             | 4,5220 | 1,3424            |
| 485    | 600    | 7                               | 485                                  | 1,4              | 740                             | 606                             | 478                             | 246                             | 194                             | 2,9279 | 1,3023            |
| 625    | 600    | 9                               | 625                                  | 1,8              | 944                             | 772                             | 609                             | 313                             | 247                             | 3,7342 | 1,3023            |
| 835    | 600    | 12                              | 835                                  | 2,5              | 1.247                           | 1.020                           | 804                             | 414                             | 326                             | 4,9303 | 1,3023            |
| 1045   | 600    | 15                              | 1045                                 | 3,1              | 1.546                           | 1.265                           | 997                             | 513                             | 404                             | 6,1140 | 1,3023            |
| 1185   | 600    | 17                              | 1185                                 | 3,5              | 1.744                           | 1.427                           | 1.125                           | 579                             | 456                             | 6,8976 | 1,3023            |



**ULA**  
**Bathroom**  
**Radiator**

## ULA Electric



**Electrical ULA Aluminium Radiator  
with EHT-DC**





**Electrical ULA Aluminium Radiator  
with EHT-AC**



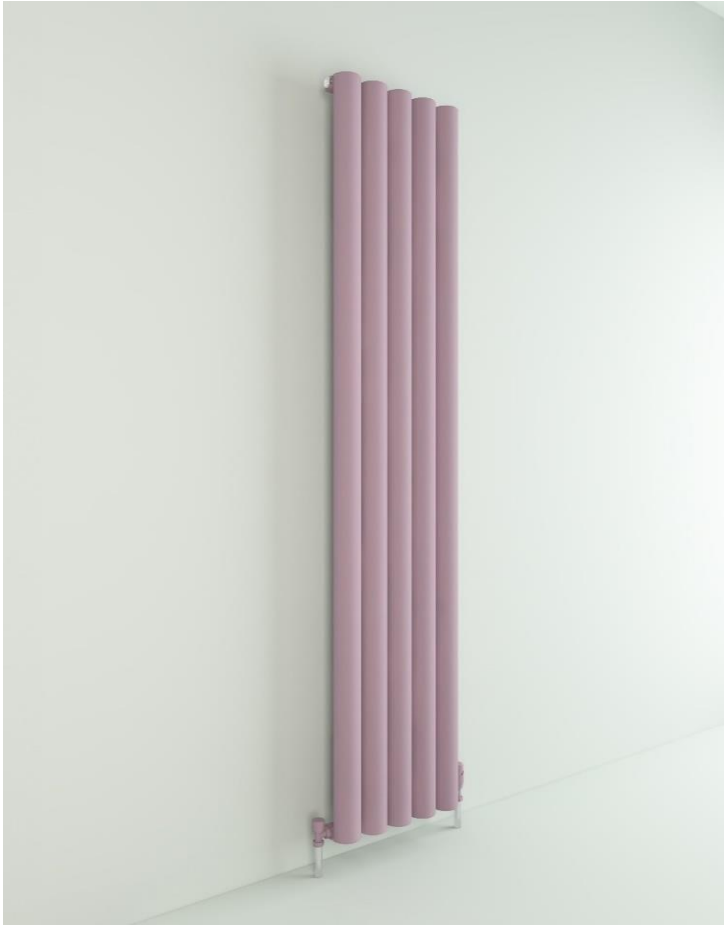
by **warma** 

Engineering, Technology & Art

**Birgi  
Aluminium  
Radiator**



**[www.warma.com.tr](http://www.warma.com.tr)**



[www.warma.com.tr](http://www.warma.com.tr)



Birgi aluminium radiator expertly designed with semicircular bars for a minimalist aesthetic that will fit into both traditional and modern interiors.

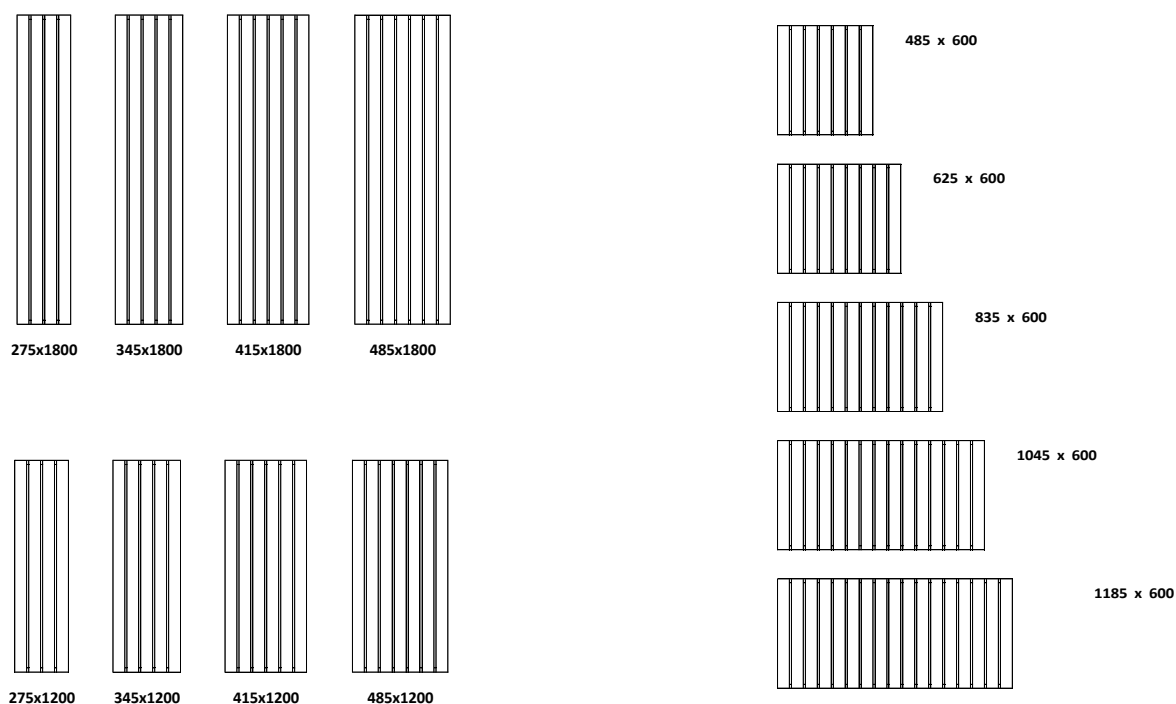


[www.warma.com.tr](http://www.warma.com.tr)

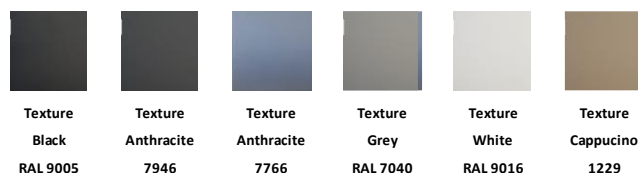
### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 103 mm.
- \* Not suitable for installation with a single pipe system.





### Product Colours



## Birgi Aluminium Radiator

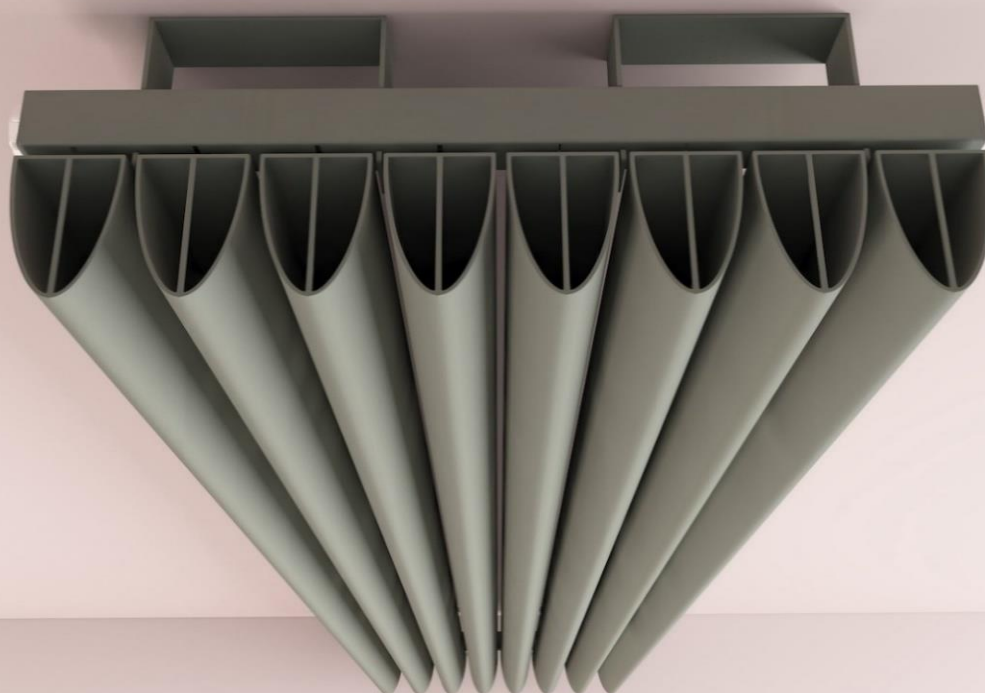
| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km     | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |        |                   |
| 275    | 1800   | 4                               | 275                                  | 2,3              | 1.189                           | 957                             | 740                             | 360                             | 278                             | 2,9756 | 1,4101            |
| 345    | 1800   | 5                               | 345                                  | 2,8              | 1.484                           | 1.194                           | 924                             | 449                             | 348                             | 3,7136 | 1,4101            |
| 415    | 1800   | 6                               | 415                                  | 3,4              | 1.778                           | 1.431                           | 1.106                           | 538                             | 416                             | 4,4481 | 1,4101            |
| 485    | 1800   | 7                               | 485                                  | 4,0              | 2.071                           | 1.666                           | 1.288                           | 627                             | 485                             | 5,1798 | 1,4101            |
| 275    | 1200   | 4                               | 275                                  | 1,6              | 763                             | 619                             | 484                             | 242                             | 189                             | 2,4248 | 1,3538            |
| 345    | 1200   | 5                               | 345                                  | 2,0              | 952                             | 773                             | 604                             | 302                             | 236                             | 3,0262 | 1,3538            |
| 415    | 1200   | 6                               | 415                                  | 2,4              | 1.141                           | 926                             | 723                             | 362                             | 283                             | 3,6248 | 1,3538            |
| 485    | 1200   | 7                               | 485                                  | 2,8              | 1.328                           | 1.078                           | 842                             | 422                             | 330                             | 4,2210 | 1,3538            |
| 485    | 600    | 7                               | 485                                  | 1,4              | 737                             | 603                             | 476                             | 245                             | 194                             | 2,9747 | 1,2974            |
| 625    | 600    | 9                               | 625                                  | 1,8              | 944                             | 773                             | 610                             | 314                             | 248                             | 3,8111 | 1,2974            |
| 835    | 600    | 12                              | 835                                  | 2,5              | 1.253                           | 1.026                           | 809                             | 417                             | 329                             | 5,0579 | 1,2974            |
| 1045   | 600    | 15                              | 1045                                 | 3,1              | 1.560                           | 1.277                           | 1.008                           | 519                             | 410                             | 6,2974 | 1,2974            |
| 1185   | 600    | 17                              | 1185                                 | 3,5              | 1.763                           | 1.444                           | 1.140                           | 587                             | 464                             | 7,1204 | 1,2974            |



**Birgi  
Bathroom  
Radiator**

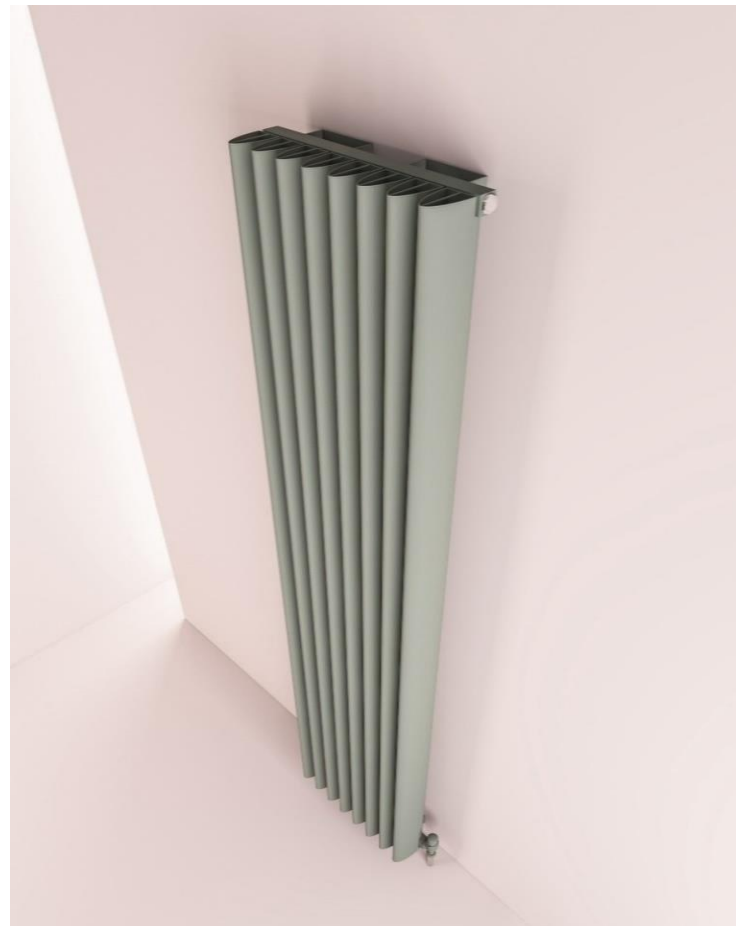
Engineering, Technology & Art

**PUNTA**  
**Aluminium**  
**Radiator**





**Punta aluminium raditor expertly designed for high heating capacity. This stylish radiator would be an ideal solution for those tight or tall spaces.**

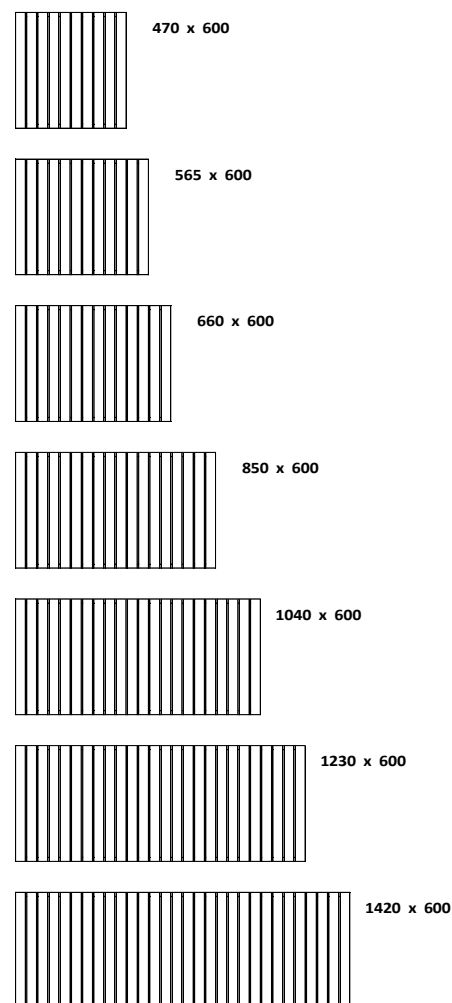
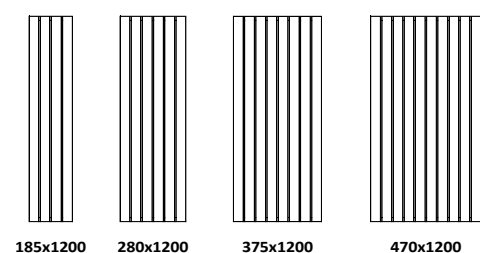
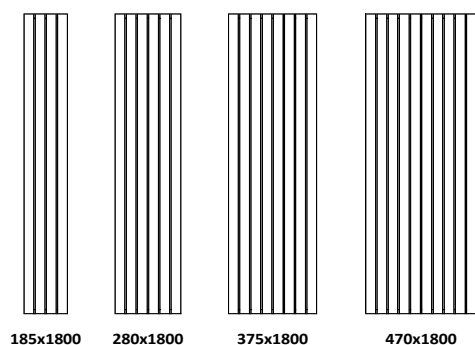


[www.warma.com.tr](http://www.warma.com.tr)

### Construction Features

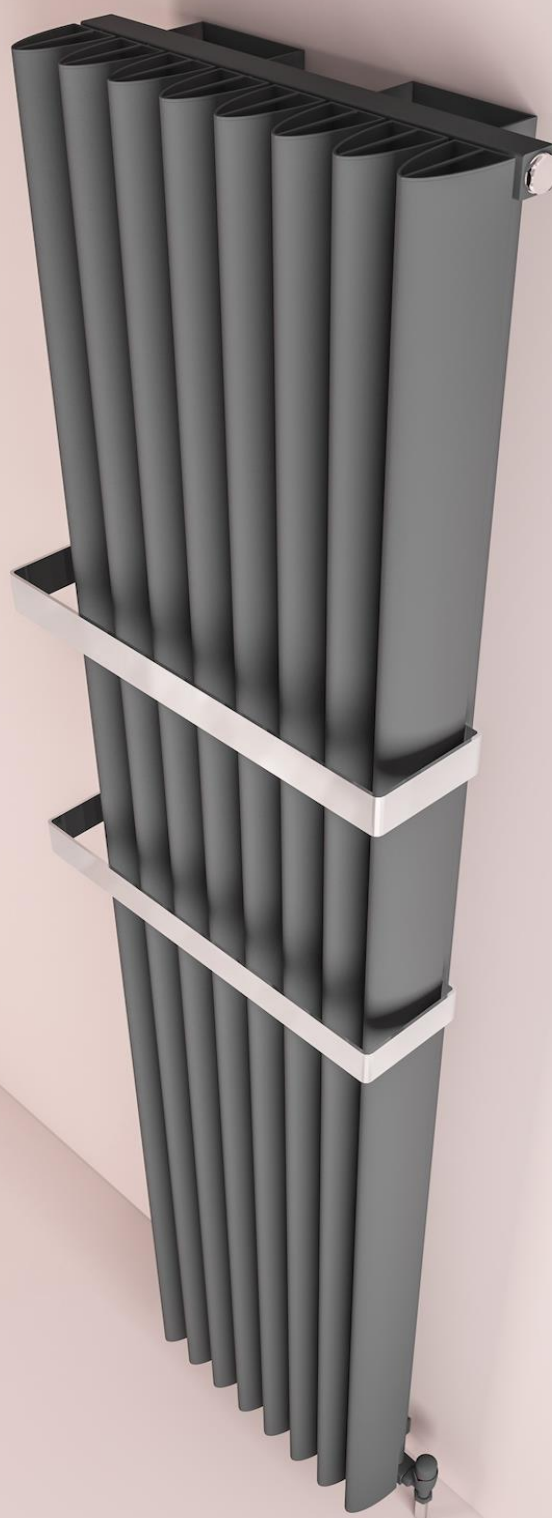
- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on top and bottom, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* 50 mm middle connection in addition to standard side connection. ( Optional )
- \* Comes with pre-fitted flow diverter.
- \* Can only be installed vertically.
- \* 1800 mm height raditors comes with 3 pre-drilled towel hanger locations.
- \* 1200 mm height raditors comes with 2 pre-drilled towel hanger locations.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 51 mm.
- \* Depth is 136 mm.
- \* Not suitable for installation with a single pipe system.





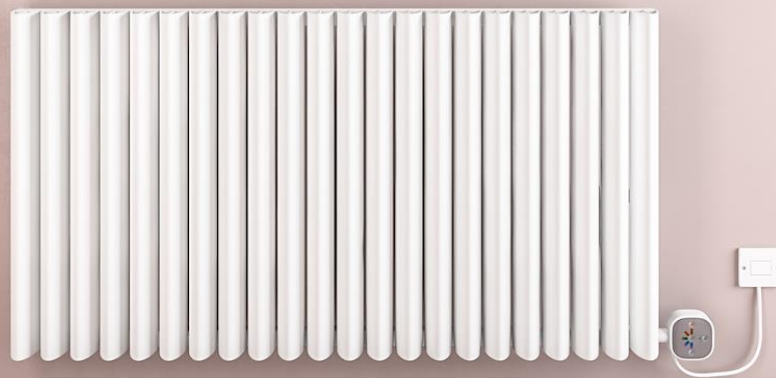
## PUNTA ALUMINIUM RADIATOR

| Width  | Height | Vertical<br>Section<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km      | Exponent<br>( n ) |
|--------|--------|---------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                         | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |         |                   |
| 185    | 1800   | 4                               | 185                                  | 2,2              | 1.038                           | 848                             | 667                             | 341                             | 268                             | 3,8791  | 1,3157            |
| 280    | 1800   | 6                               | 280                                  | 3,3              | 1.534                           | 1.252                           | 985                             | 503                             | 396                             | 5,7298  | 1,3157            |
| 375    | 1800   | 8                               | 375                                  | 4,5              | 2.019                           | 1.648                           | 1.297                           | 662                             | 521                             | 7,5432  | 1,3157            |
| 470    | 1800   | 10                              | 470                                  | 5,6              | 2.497                           | 2.039                           | 1.604                           | 819                             | 644                             | 9,3295  | 1,3157            |
| 185    | 1200   | 4                               | 185                                  | 1,5              | 748                             | 610                             | 480                             | 244                             | 192                             | 2,7286  | 1,3213            |
| 280    | 1200   | 6                               | 280                                  | 2,2              | 1.105                           | 901                             | 708                             | 361                             | 283                             | 4,0304  | 1,3213            |
| 375    | 1200   | 8                               | 375                                  | 3,0              | 1.454                           | 1.186                           | 932                             | 475                             | 373                             | 5,3060  | 1,3213            |
| 470    | 1200   | 10                              | 470                                  | 3,7              | 1.799                           | 1.467                           | 1.153                           | 587                             | 461                             | 6,5625  | 1,3213            |
| 470    | 600    | 10                              | 470                                  | 1,9              | 1.009                           | 822                             | 646                             | 328                             | 257                             | 3,5965  | 1,3268            |
| 565    | 600    | 12                              | 565                                  | 2,3              | 1.200                           | 978                             | 768                             | 390                             | 306                             | 4,2769  | 1,3268            |
| 660    | 600    | 14                              | 660                                  | 2,7              | 1.389                           | 1.132                           | 889                             | 451                             | 354                             | 4,9506  | 1,3268            |
| 850    | 600    | 18                              | 850                                  | 3,5              | 1.763                           | 1.437                           | 1.128                           | 573                             | 450                             | 6,2817  | 1,3268            |
| 1040   | 600    | 22                              | 1040                                 | 4,2              | 2.131                           | 1.737                           | 1.364                           | 692                             | 544                             | 7,5952  | 1,3268            |
| 1230   | 600    | 26                              | 1230                                 | 5,0              | 2.496                           | 2.034                           | 1.597                           | 811                             | 637                             | 8,8946  | 1,3268            |
| 1420   | 600    | 30                              | 1420                                 | 5,8              | 2.857                           | 2.329                           | 1.828                           | 928                             | 729                             | 10,1823 | 1,3268            |



**PUNTA**  
**Bathroom**  
**Radiator**

## PUNTA Electric



**Electrical PUNTA Aluminium Radiator  
with EHT-AC**





**Electrical PUNTA Aluminium Radiator  
with EHT-DC**



*by* **warma** 

Engineering, Technology & Art

**Lipsi  
Aluminium  
Towel Warmer**



[www.warma.com.tr](http://www.warma.com.tr)



The Lipsi is light weight aluminium towel warmer that has a high heat output

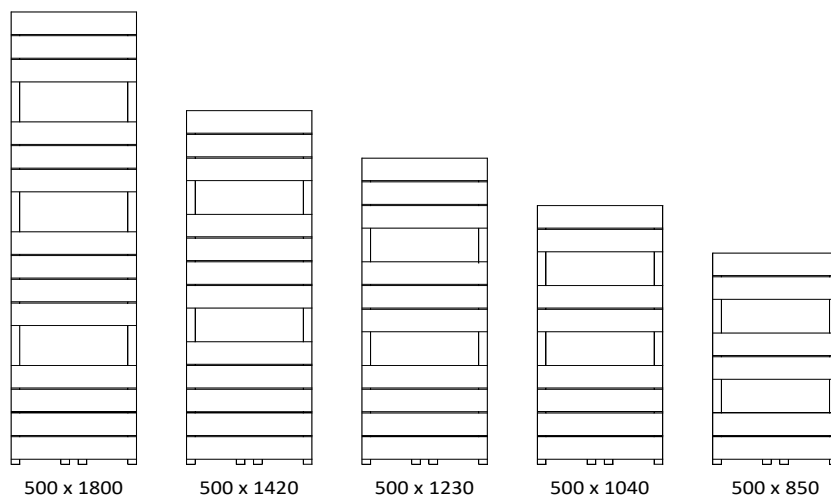
The Lipsi features two towel rail widths of 500mm & 600mm, along with five height variations to suit any sized bathroom, kitchen or cloakroom suite.



[www.warma.com.tr](http://www.warma.com.tr)

### Construction Features

- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Radiators come with cover caps on sides, same as radiator colour.
- \* Collector threading 1/2" Gas right .
- \* Metal wall brackets fitted at the back of the radiator.
- \* Comes with 50 mm middle connection in addition to standard side connection.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 67 mm.
- \* Depth is 106 mm.
- \* Not suitable for installation with a single pipe system.



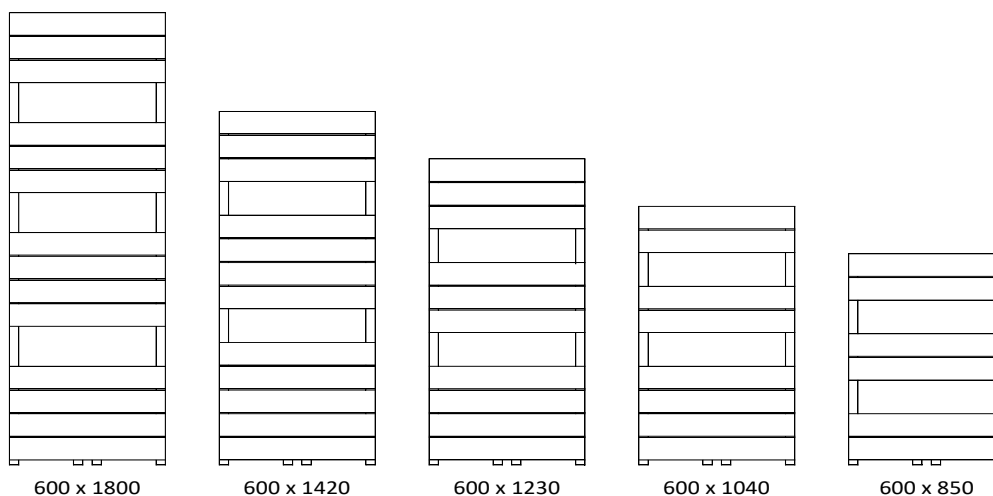
500 x 1800

500 x 1420

500 x 1230

500 x 1040

500 x 850



600 x 1800

600 x 1420

600 x 1230

600 x 1040

600 x 850

Product  
Colours



Texture  
Black  
RAL 9005



Texture  
Anthracite  
7946



Texture  
Anthracite  
7766



Texture  
Grey  
RAL 7040



Texture  
White  
RAL 9016



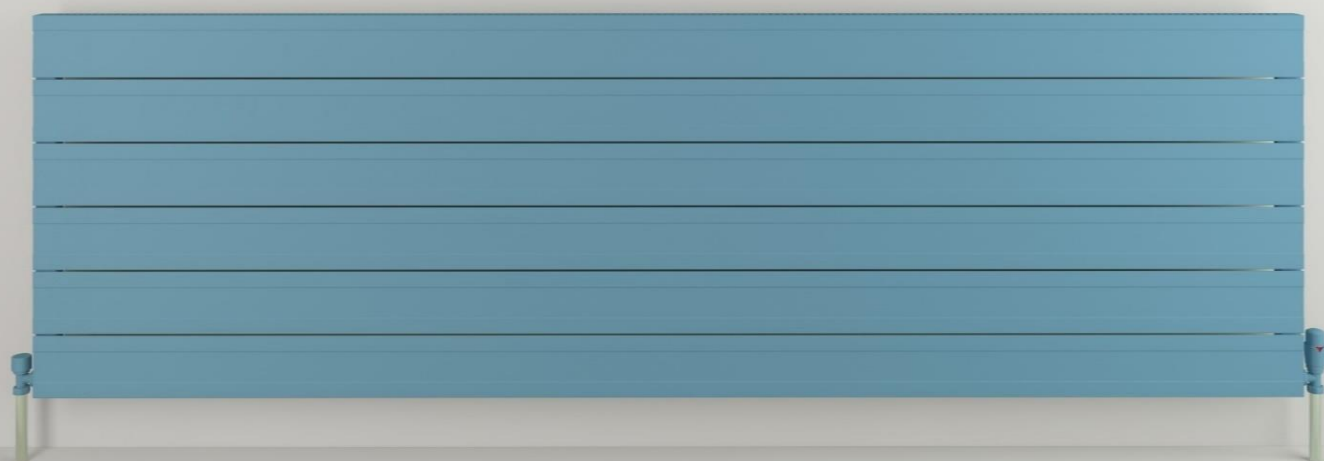
Texture  
Cappuccino  
1229

## Lipsi ALUMINIUM TOWEL WARMER

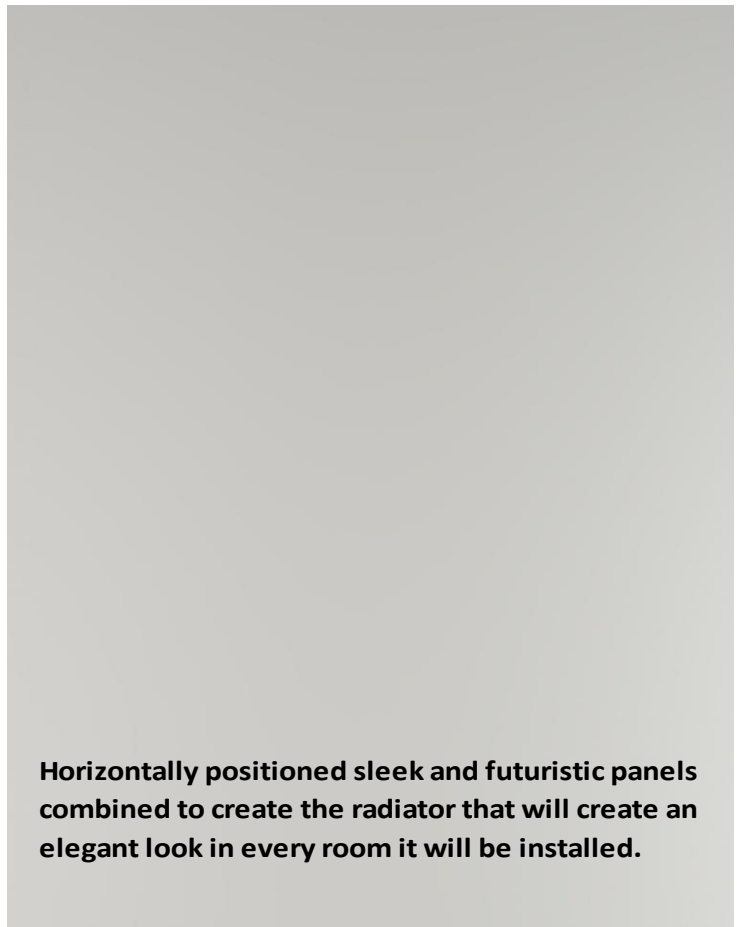
| Width  | Height | Horizontal<br>Element<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km     | Exponent<br>( n ) |
|--------|--------|-----------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                           | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |        |                   |
| 500    | 850    | 6                                 | 50                                   | 1,5              | 595                             | 488                             | 387                             | 201                             | 159                             | 2,6013 | 1,2786            |
| 500    | 1040   | 8                                 | 50                                   | 1,9              | 734                             | 603                             | 479                             | 251                             | 199                             | 3,3553 | 1,2681            |
| 500    | 1230   | 10                                | 50                                   | 2,2              | 867                             | 715                             | 568                             | 299                             | 238                             | 4,1465 | 1,2577            |
| 500    | 1420   | 12                                | 50                                   | 2,7              | 995                             | 821                             | 654                             | 346                             | 275                             | 4,9704 | 1,2473            |
| 500    | 1800   | 14                                | 50                                   | 3,4              | 1.228                           | 1.017                           | 813                             | 435                             | 347                             | 6,7040 | 1,2265            |
| 600    | 850    | 6                                 | 50                                   | 1,7              | 704                             | 578                             | 458                             | 238                             | 189                             | 3,0810 | 1,2786            |
| 600    | 1040   | 8                                 | 50                                   | 2,1              | 869                             | 715                             | 567                             | 297                             | 235                             | 3,9741 | 1,2681            |
| 600    | 1230   | 10                                | 50                                   | 2,5              | 1.027                           | 846                             | 673                             | 354                             | 281                             | 4,9111 | 1,2577            |
| 600    | 1420   | 12                                | 50                                   | 3,0              | 1.178                           | 972                             | 774                             | 410                             | 326                             | 5,8870 | 1,2473            |
| 600    | 1800   | 14                                | 50                                   | 3,6              | 1.455                           | 1.204                           | 963                             | 515                             | 412                             | 7,9402 | 1,2265            |

Engineering, Technology & Art

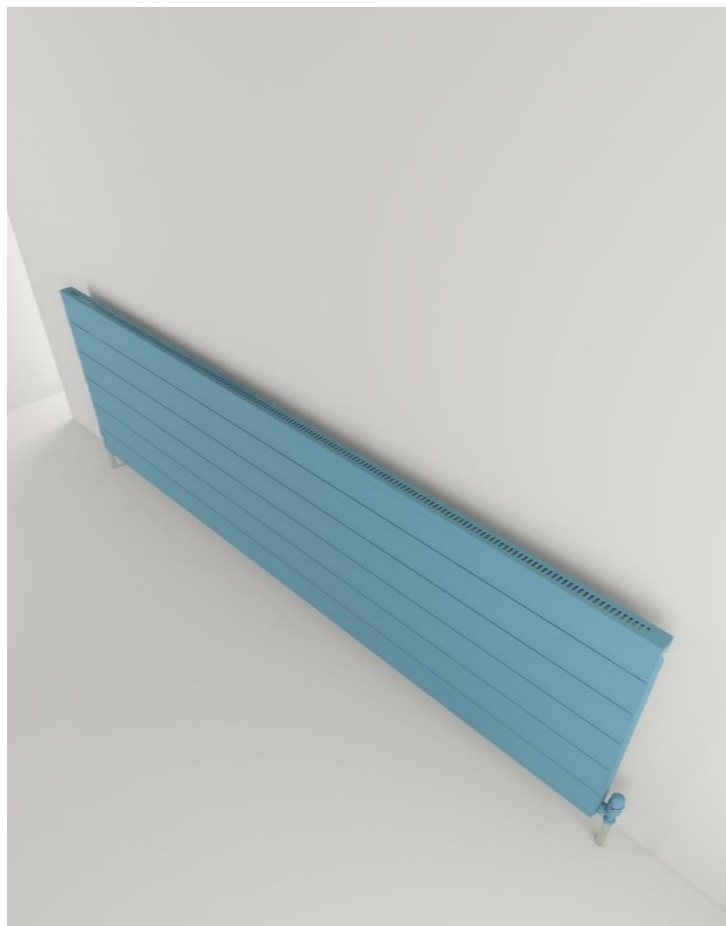
**Agrilia**  
**Aluminium**  
**Radiator**



**[www.warma.com.tr](http://www.warma.com.tr)**

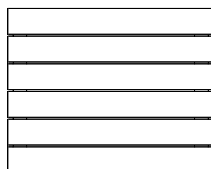


**Horizontally positioned sleek and futuristic panels combined to create the radiator that will create an elegant look in every room it will be installed.**

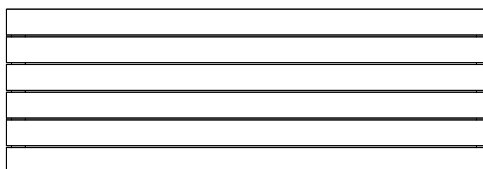


### Construction Features

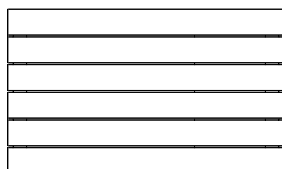
- \* Aluminium construction.
- \* Manufactured by Aluminium brazing technology. This production technology prevents galvanic corrosion that may occur in the future.
- \* Heats up very quickly.
- \* Only requires a low water volume.
- \* Excellent heat conductivity and lightweight.
- \* Collector threading 1/2" Gas right.
- \* Can only be installed horizontally.
- \* Maximum working pressure 10 bar.
- \* Maximum working temperature 95 °C
- \* Connection center from wall is 55 mm.
- \* Depth is 77 mm.
- \* Not suitable for installation with a single pipe system.



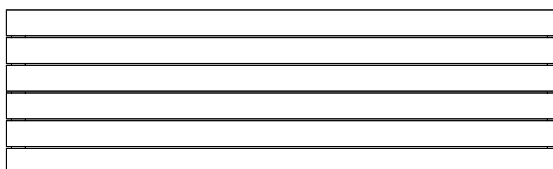
600 x 603



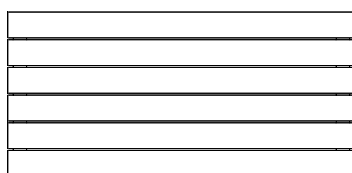
1400 x 603



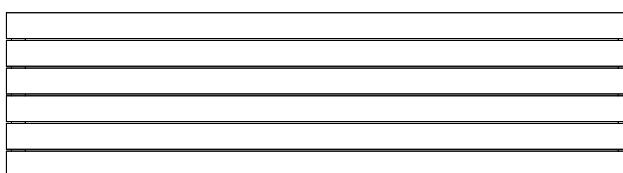
800 x 603



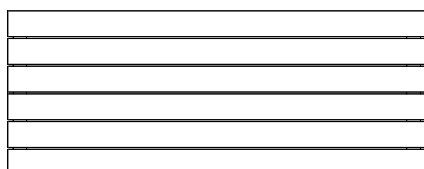
1600 x 603



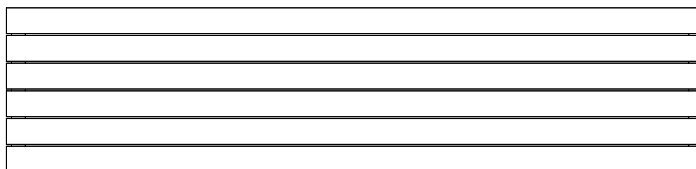
1000 x 603



1800 x 603



1200 x 603



2000 x 603

Product  
Colours



## Agrilia ALUMINIUM RADIATOR

| Width  | Height | Horizontal<br>Element<br>Quantity | Inlet Outlet<br>Distance<br>( Axis ) | Water<br>Content | Heat<br>Output<br>$\Delta t$ 70 | Heat<br>Output<br>$\Delta t$ 60 | Heat<br>Output<br>$\Delta t$ 50 | Heat<br>Output<br>$\Delta t$ 30 | Heat<br>Output<br>$\Delta t$ 25 | Km      | Exponent<br>( n ) |
|--------|--------|-----------------------------------|--------------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|-------------------|
| ( mm ) | ( mm ) | ( pcs )                           | ( mm )                               | ( Lt )           | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       | ( watts )                       |         |                   |
| 600    | 603    | 6                                 | 600                                  | 1,3              | 510                             | 425                             | 342                             | 186                             | 150                             | 3,2377  | 1,1911            |
| 800    | 603    | 6                                 | 800                                  | 1,7              | 670                             | 558                             | 449                             | 244                             | 197                             | 4,2528  | 1,1911            |
| 1000   | 603    | 6                                 | 1000                                 | 2,0              | 828                             | 689                             | 555                             | 302                             | 243                             | 5,2547  | 1,1911            |
| 1200   | 603    | 6                                 | 1200                                 | 2,4              | 985                             | 820                             | 660                             | 359                             | 289                             | 6,2461  | 1,1911            |
| 1400   | 603    | 6                                 | 1400                                 | 2,8              | 1.140                           | 948                             | 763                             | 415                             | 334                             | 7,2288  | 1,1911            |
| 1600   | 603    | 6                                 | 1600                                 | 3,1              | 1.293                           | 1.076                           | 866                             | 471                             | 379                             | 8,2043  | 1,1911            |
| 1800   | 603    | 6                                 | 1800                                 | 3,5              | 1.446                           | 1.204                           | 969                             | 527                             | 424                             | 9,1735  | 1,1911            |
| 2000   | 603    | 6                                 | 2000                                 | 3,8              | 1.598                           | 1.330                           | 1.070                           | 583                             | 469                             | 10,1370 | 1,1911            |

*by***warma** **Engineering, Technology & Art**

**Standard  
Towel Hangers  
for  
Aluminium  
Radiators**



**[www.warma.com.tr](http://www.warma.com.tr)**

- \* 1800mm height radiators come with 3 pre-drilled towel hanger locations, with a maximum of 3 towel hangers.
- \* 1200mm height radiators come with 2 pre-drilled towel hanger locations, with a maximum of 2 towel hangers.
- \* The standard towel hangers are compatible with the Vertical radiators, depending on the radiators and hangers width.
- \* Finish : All colours & Chrome
- \* Material : Steel



Florya Standard  
Towel Hangers



Drama Standard  
Towel Hangers



Drama Plus Standard  
Towel Hangers



Kavala Standard  
Towel Hangers



Selanik Standard  
Towel Hangers



Serez Standard  
Towel Hangers



Debre Standard  
Towel Hangers



Cunda Standard  
Towel Hangers



Ula Standard  
Towel Hangers



Birgi Standard  
Towel Hangers



Punta Standard  
Towel Hangers



Drama Double Standard  
Towel Hangers

Engineering, Technology & Art

**Universal  
Towel Hangers  
for  
Aluminium  
Radiators**



**[www.warma.com.tr](http://www.warma.com.tr)**



- \* The Universal towel hangers are compatible with the Florya, Florya Double, Drama, Drama Double, Drama Plus, Kavala, Selanik, Serez, Debre, Cunda, Ula and Birgi Aluminium Radiators.

\* Finish : All colours

\* Material : Steel

### Left Hand Universal Towel Hangers

When fitted on the wall and looking from front, shelf is on the left and towel can be hung from the right.

### Right Hand Universal Towel Hangers

When fitted on the wall and looking from front, shelf is on the right and towel can be hung from the left.

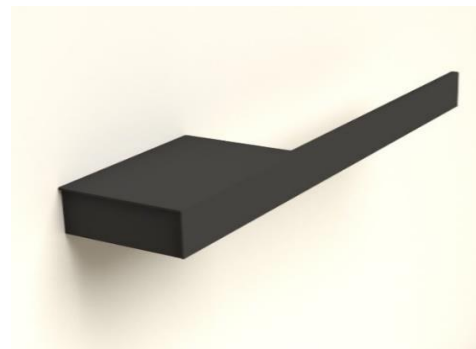
Step 1



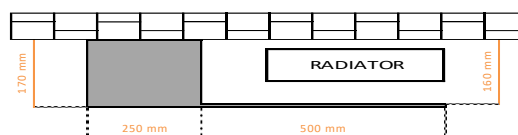
Step 2



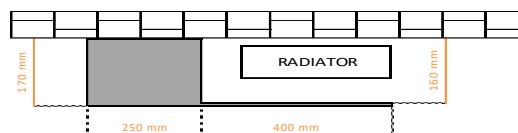
Step 3



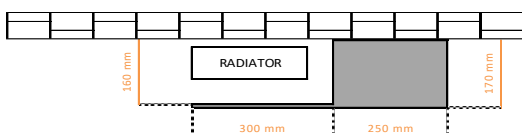
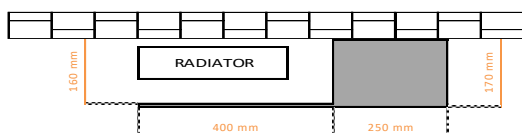
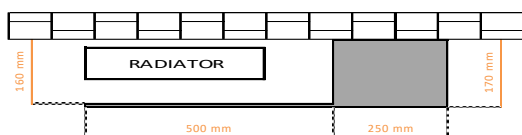
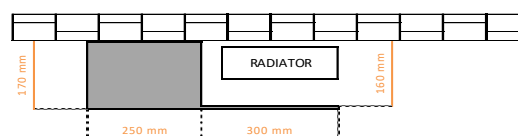
Left Hand Universal Towel Hanger Model 1



Left Hand Universal Towel Hanger Model 2



Left Hand Universal Towel Hanger Model 3



Right Hand Universal Towel Hanger Model 1

Right Hand Universal Towel Hanger Model 2

Right Hand Universal Towel Hanger Model 3

**Engineering, Technology & Art**

## Electronics

### EHT-LC Electronic Thermostat

#### Main Specifications

- Compact design
- Electronic thermostat for towel warmers filled with water, water and glycol mixture or diathermic oil.
- Operation according to room temperature.
- Delicate PID temperature control.
- Temperature setting range 17..30°C
- Numeric LCD display
- Weekly program
- Modes: ECO and BOOST
- Open window function
- Frost protection function
- Built-in temperature sensor

#### Technical Specifications

- |                             |                        |
|-----------------------------|------------------------|
| • Protection class          | : IPx4                 |
| • Temperature setting range | : 17....30°C           |
| • Timer                     | : 1....5 hour          |
| • Supply voltage            | : 230V 50Hz            |
| • Resistance power          | : Max 2000W            |
| • Fuse                      | : 6A                   |
| • Product colour            | : Black, white, chrome |
| • Cable colours             | : Black, white         |

#### Standards LVD

- EN 60335-1
- EN 60335-2-43
- EN 60335-2-30
- EN 62233

#### Standards EMC

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3

### EHT-DC Electronic Thermostat

#### Main Specifications

- Compact design
- Electronic thermostat for towel warmers filled with water, water and glycol mixture or diathermic oil.
- Operation according to room temperature.
- Delicate PID temperature control.
- Temperature setting range 17..30°C
- Numeric LED display
- Off timer
- Frost protection function
- Built-in temperature sensor

#### Technical Specifications

- |                             |                        |
|-----------------------------|------------------------|
| • Protection class          | : IPx4                 |
| • Temperature setting range | : 17....30°C           |
| • Timer                     | : 1....5 hour          |
| • Supply voltage            | : 230V 50Hz            |
| • Resistance power          | : Max 2000W            |
| • Fuse                      | : 6A                   |
| • Product colour            | : Black, white, chrome |
| • Cable colours             | : Black, white         |

#### Standards LVD

- EN 60335-1
- EN 60335-2-43
- EN 60335-2-30
- EN 62233

#### Standards EMC

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3

### EHT-AC Electronic Thermostat

#### Main Specifications

- Compact design
- Electronic thermostat for towel warmers filled with water, water and glycol mixture or diathermic oil.
- Operation according to room temperature.
- Delicate PID temperature control.
- Temperature setting range 17..30°C
- LED display
- Off timer
- Frost protection function
- Built-in temperature sensor

#### Technical Specifications

- |                             |                        |
|-----------------------------|------------------------|
| • Protection class          | : IPx4                 |
| • Temperature setting range | : 17....30°C           |
| • Timer                     | : 1....5 hour          |
| • Supply voltage            | : 230V 50Hz            |
| • Resistance power          | : Max 2000W            |
| • Fuse                      | : 6A                   |
| • Product colour            | : Black, white, chrome |
| • Cable colours             | : Black, white         |

#### Standards LVD

- EN 60335-1
- EN 60335-2-43
- EN 60335-2-30
- EN 62233

#### Standards EMC

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3



### Export Company

**DAKO**

Dako Dış Ticaret Limited Şirketi

Ahmet Nazif Zorlu Bulvarı No : 6

4th. Zone of Industrial Zone

Organised Industrial Zone of Manisa / Türkiye

### Production Company

**Warma**

Warma Isı Ürünleri Makine Sanayi ve Ticaret Limited Şirketi

Sanatkarlar Caddesi No : 29

Organised Industrial Zone of Muradiye

Manisa / Türkiye

### Distributor Company

Russian Federation



TTK Turkish Technology Company

357502, Russian Federation, Stavropol region, Pyatigorsk,  
Cherkess highway, 23



357502, Russian Federation, Stavropol region, Pyatigorsk,  
Cherkess highway, 23

Phone : +7 903 4510595