

## panel radiators



### Compact (*Purmo C*)

The PURMO Compact panel radiators with profiled heating panels and convection fins are equipped with side covers and a top grille. Four G ½ " threaded female connectors allow for side connection on both right and left side.

#### technical specifications

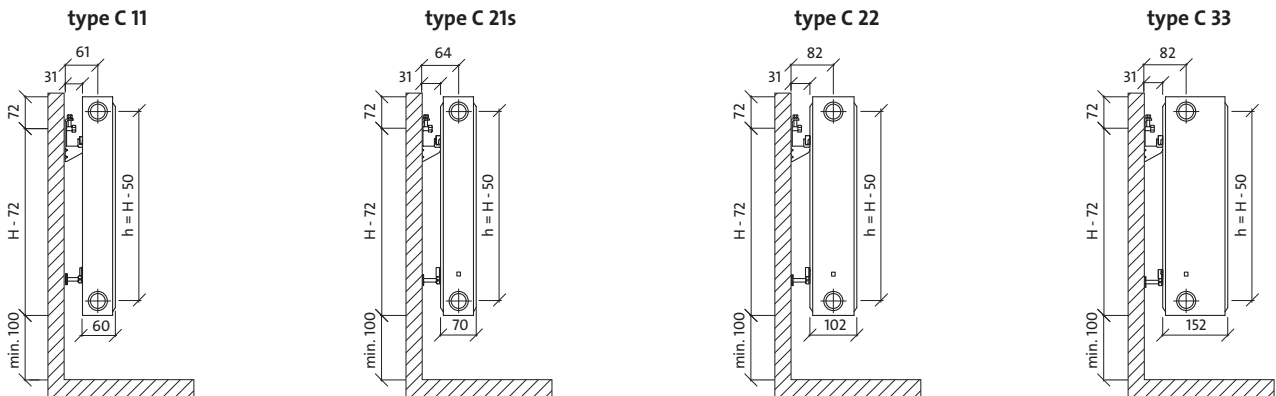
- Material : high quality, deep-drawing, low-carbon, cold rolled DC01 steel sheet in accordance with PN-EN 10130.
- Spacing of vertical water channels : 33,3 mm
- Connections : 4 x G ½ " side connectors
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Test pressure : 13 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request.
- Accessories bundled with the radiator: brackets, plug, air vent.



# Compact

# panel radiators

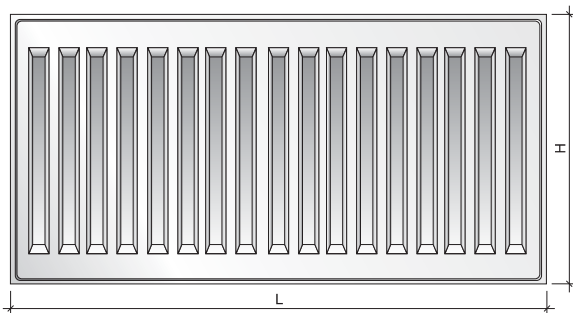
## side views



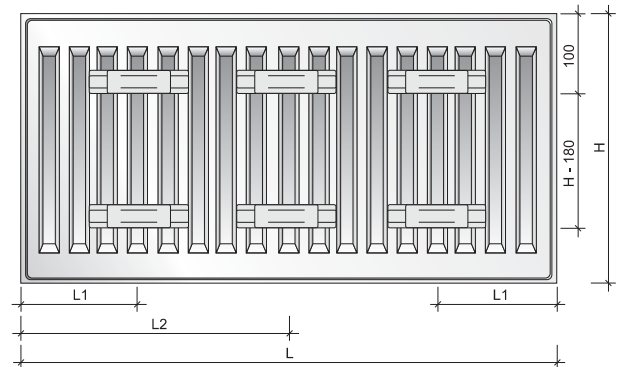
dimensions in mm

$H$  = height  
 $L$  = length  
 $h$  = spacing of connectors

## front view



## rear view



## water volume, weight and mounting distances

water volume : l/m

| height<br>type | 300 | 450 | 500 | 550 | 600 | 900  |
|----------------|-----|-----|-----|-----|-----|------|
| 11             | 1,7 | 2,5 | 2,7 | 3,0 | 3,2 | 4,5  |
| 21s            | 3,4 | 5,0 | 5,5 | 6,1 | 6,6 | 9,0  |
| 22             | 3,4 | 5,0 | 5,5 | 6,1 | 6,6 | 9,0  |
| 33             | 5,1 | 7,5 | 8,2 | 9,0 | 9,8 | 13,3 |

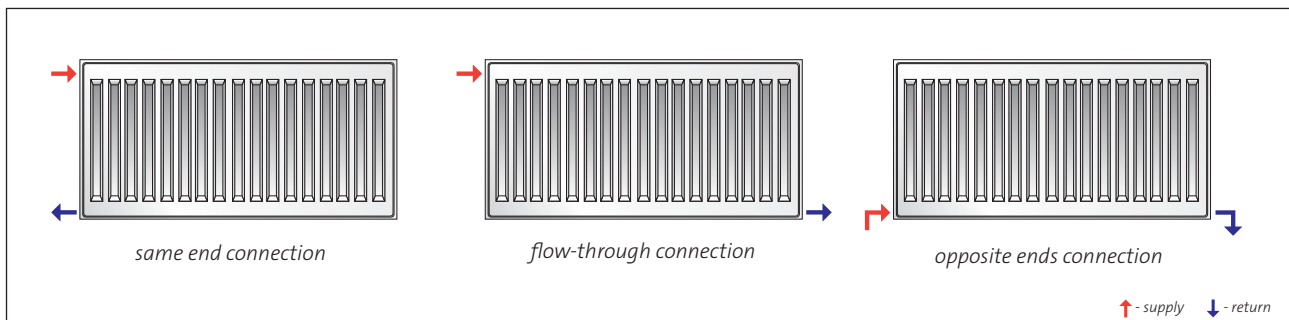
weight : kg/m

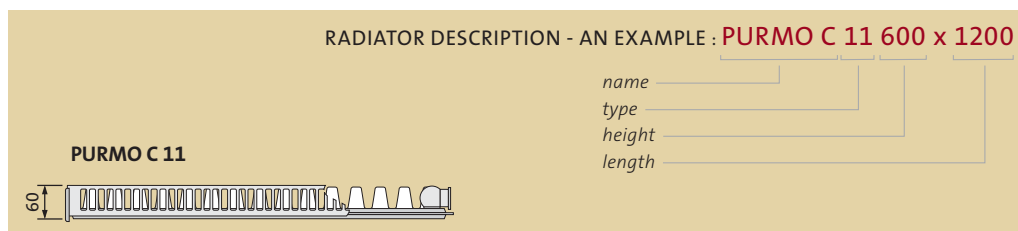
| height<br>type | 300  | 450  | 500  | 550  | 600  | 900  |
|----------------|------|------|------|------|------|------|
| 11             | 9,1  | 13,9 | 15,5 | 17,1 | 18,7 | 28,3 |
| 21s            | 14,0 | 21,2 | 23,5 | 25,9 | 28,3 | 42,3 |
| 22             | 16,3 | 24,9 | 27,7 | 30,6 | 33,4 | 50,7 |
| 33             | 24,5 | 37,4 | 41,6 | 45,9 | 50,2 | 75,8 |

mounting distances : mm

| type     | C 11 |      | C 21s, C 22, C 33 |      |
|----------|------|------|-------------------|------|
| L        | L1   | L2   | L1                | L2   |
| 400-1600 | 117  | -    | 133               | -    |
| 1800     | 117  | 917  | 133               | 900  |
| 2000     | 117  | 1017 | 133               | 1000 |
| 2300     | 117  | 1150 | 133               | 1167 |
| 2600     | 117  | 1317 | 133               | 1300 |
| 3000     | 117  | 1517 | 133               | 1500 |

## recommended connections





| length [mm]                                                                                                                | parameters<br>$t_z / t_p / t_i$ | height [mm] |        |        |        |        |        |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------|--------|--------|--------|--------|--------|
|                                                                                                                            |                                 | 300         | 450    | 500    | 550    | 600    | 900    |
| 400                                                                                                                        | 75/65/20 °C                     | 218         | 316    | 347    | 378    | 407    | 571    |
|                                                                                                                            | 55/45/20 °C                     | 112         | 161    | 177    | 192    | 207    | 289    |
| 500                                                                                                                        | 75/65/20 °C                     | 273         | 395    | 434    | 472    | 509    | 714    |
|                                                                                                                            | 55/45/20 °C                     | 140         | 201    | 221    | 240    | 258    | 361    |
| 600                                                                                                                        | 75/65/20 °C                     | 328         | 474    | 521    | 566    | 611    | 856    |
|                                                                                                                            | 55/45/20 °C                     | 167         | 241    | 265    | 288    | 310    | 433    |
| 700                                                                                                                        | 75/65/20 °C                     | 382         | 553    | 608    | 661    | 713    | 999    |
|                                                                                                                            | 55/45/20 °C                     | 195         | 282    | 309    | 336    | 362    | 506    |
| 800                                                                                                                        | 75/65/20 °C                     | 437         | 632    | 694    | 755    | 814    | 1142   |
|                                                                                                                            | 55/45/20 °C                     | 223         | 322    | 353    | 384    | 413    | 578    |
| 900                                                                                                                        | 75/65/20 °C                     | 491         | 711    | 781    | 850    | 916    | 1284   |
|                                                                                                                            | 55/45/20 °C                     | 251         | 362    | 398    | 432    | 465    | 650    |
| 1000                                                                                                                       | 75/65/20 °C                     | 546         | 790    | 868    | 944    | 1018   | 1427   |
|                                                                                                                            | 55/45/20 °C                     | 279         | 402    | 442    | 480    | 517    | 722    |
| 1100                                                                                                                       | 75/65/20 °C                     | 601         | 869    | 955    | 1038   | 1120   | 1570   |
|                                                                                                                            | 55/45/20 °C                     | 307         | 443    | 486    | 528    | 569    | 795    |
| 1200                                                                                                                       | 75/65/20 °C                     | 655         | 948    | 1042   | 1133   | 1222   | 1712   |
|                                                                                                                            | 55/45/20 °C                     | 335         | 483    | 530    | 576    | 620    | 867    |
| 1400                                                                                                                       | 75/65/20 °C                     | 764         | 1106   | 1215   | 1322   | 1425   | 1998   |
|                                                                                                                            | 55/45/20 °C                     | 391         | 563    | 618    | 672    | 724    | 1011   |
| 1600                                                                                                                       | 75/65/20 °C                     | 874         | 1264   | 1389   | 1510   | 1629   | 2283   |
|                                                                                                                            | 55/45/20 °C                     | 447         | 644    | 707    | 768    | 827    | 1156   |
| 1800                                                                                                                       | 75/65/20 °C                     | 983         | 1422   | 1562   | 1699   | 1832   | 2569   |
|                                                                                                                            | 55/45/20 °C                     | 502         | 724    | 795    | 864    | 930    | 1300   |
| 2000                                                                                                                       | 75/65/20 °C                     | 1092        | 1580   | 1736   | 1888   | 2036   | 2854   |
|                                                                                                                            | 55/45/20 °C                     | 558         | 805    | 883    | 960    | 1034   | 1445   |
| 2300                                                                                                                       | 75/65/20 °C                     | 1256        | 1817   | 1996   | 2171   | 2341   | 3282   |
|                                                                                                                            | 55/45/20 °C                     | 642         | 926    | 1016   | 1104   | 1189   | 1662   |
| 2600                                                                                                                       | 75/65/20 °C                     | 1420        | 2054   | 2257   | 2454   | 2647   | 3710   |
|                                                                                                                            | 55/45/20 °C                     | 726         | 1046   | 1148   | 1248   | 1344   | 1878   |
| 3000                                                                                                                       | 75/65/20 °C                     | 1638        | 2370   | 2604   | 2832   | 3054   | 4281   |
|                                                                                                                            | 55/45/20 °C                     | 837         | 1207   | 1325   | 1439   | 1551   | 2167   |
| Thermal output of the radiators [W] in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C. |                                 |             |        |        |        |        |        |
| [W/m] 90/70/20 °C                                                                                                          |                                 | 686         | 994    | 1093   | 1189   | 1283   | 1800   |
| exponent n                                                                                                                 |                                 | 1,2981      | 1,3048 | 1,3070 | 1,3093 | 1,3115 | 1,3170 |

# Compact *type 21s*

## panel radiators

RADIATOR DESCRIPTION - AN EXAMPLE : **PURMO C 21s 600 x 1200**

PURMO C 21s



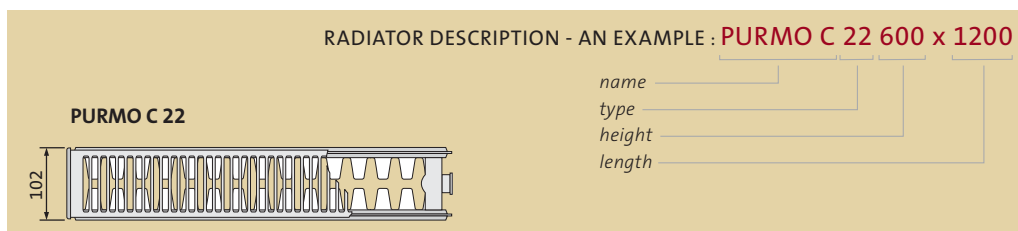
name \_\_\_\_\_  
type \_\_\_\_\_  
height \_\_\_\_\_  
length \_\_\_\_\_



| length [mm] | parameters<br>$t_z / t_p / t_i$ | height [mm] |      |      |      |      |      |
|-------------|---------------------------------|-------------|------|------|------|------|------|
|             |                                 | 300         | 450  | 500  | 550  | 600  | 900  |
| 400         | 75/65/20 °C                     | 304         | 424  | 462  | 500  | 536  | 744  |
|             | 55/45/20 °C                     | 157         | 216  | 235  | 253  | 271  | 373  |
| 500         | 75/65/20 °C                     | 381         | 530  | 578  | 625  | 670  | 931  |
|             | 55/45/20 °C                     | 196         | 271  | 294  | 317  | 338  | 466  |
| 600         | 75/65/20 °C                     | 457         | 636  | 694  | 749  | 804  | 1117 |
|             | 55/45/20 °C                     | 236         | 325  | 353  | 380  | 406  | 559  |
| 700         | 75/65/20 °C                     | 533         | 742  | 809  | 874  | 938  | 1303 |
|             | 55/45/20 °C                     | 275         | 379  | 412  | 443  | 474  | 652  |
| 800         | 75/65/20 °C                     | 609         | 848  | 925  | 999  | 1072 | 1489 |
|             | 55/45/20 °C                     | 314         | 433  | 470  | 507  | 542  | 745  |
| 900         | 75/65/20 °C                     | 685         | 954  | 1040 | 1124 | 1206 | 1675 |
|             | 55/45/20 °C                     | 353         | 487  | 529  | 570  | 609  | 838  |
| 1000        | 75/65/20 °C                     | 761         | 1060 | 1156 | 1249 | 1340 | 1861 |
|             | 55/45/20 °C                     | 393         | 541  | 588  | 633  | 677  | 932  |
| 1100        | 75/65/20 °C                     | 837         | 1166 | 1272 | 1374 | 1474 | 2047 |
|             | 55/45/20 °C                     | 432         | 595  | 647  | 696  | 745  | 1025 |
| 1200        | 75/65/20 °C                     | 913         | 1272 | 1387 | 1499 | 1608 | 2233 |
|             | 55/45/20 °C                     | 471         | 649  | 706  | 760  | 812  | 1118 |
| 1400        | 75/65/20 °C                     | 1065        | 1484 | 1618 | 1749 | 1876 | 2605 |
|             | 55/45/20 °C                     | 550         | 758  | 823  | 886  | 948  | 1304 |
| 1600        | 75/65/20 °C                     | 1218        | 1696 | 1850 | 1998 | 2144 | 2978 |
|             | 55/45/20 °C                     | 628         | 866  | 941  | 1013 | 1083 | 1490 |
| 1800        | 75/65/20 °C                     | 1370        | 1908 | 2081 | 2248 | 2412 | 3350 |
|             | 55/45/20 °C                     | 707         | 974  | 1059 | 1140 | 1218 | 1677 |
| 2000        | 75/65/20 °C                     | 1522        | 2120 | 2312 | 2498 | 2680 | 3722 |
|             | 55/45/20 °C                     | 785         | 1082 | 1176 | 1266 | 1354 | 1863 |
| 2300        | 75/65/20 °C                     | 1750        | 2438 | 2659 | 2873 | 3082 | 4280 |
|             | 55/45/20 °C                     | 903         | 1245 | 1353 | 1456 | 1557 | 2142 |
| 2600        | 75/65/20 °C                     | 1979        | 2756 | 3006 | 3247 | 3484 | 4839 |
|             | 55/45/20 °C                     | 1021        | 1407 | 1529 | 1646 | 1760 | 2422 |
| 3000        | 75/65/20 °C                     | 2283        | 3180 | 3468 | 3747 | 4020 | 5583 |
|             | 55/45/20 °C                     | 1178        | 1623 | 1764 | 1899 | 2031 | 2795 |

Thermal output of the radiators [W] in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

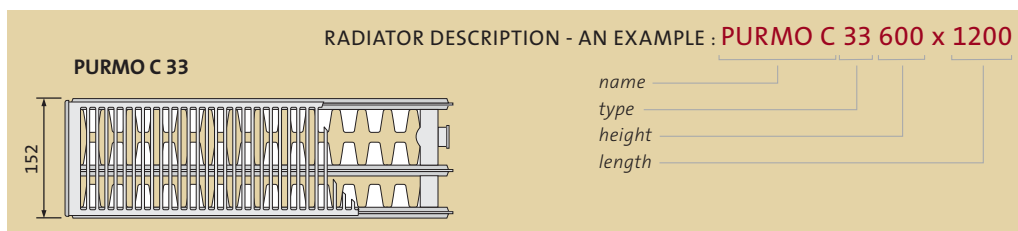
| [W/m] 90/70/20 °C | 954    | 1333   | 1456   | 1575   | 1691   | 2356   |
|-------------------|--------|--------|--------|--------|--------|--------|
| exponent n        | 1,2803 | 1,3008 | 1,3076 | 1,3145 | 1,3213 | 1,3390 |



| length [mm] | parameters<br>$t_z / t_p / t_i$ | height [mm] |      |      |      |      |      |
|-------------|---------------------------------|-------------|------|------|------|------|------|
|             |                                 | 300         | 450  | 500  | 550  | 600  | 900  |
| 400         | 75/65/20 °C                     | 384         | 539  | 588  | 636  | 684  | 955  |
|             | 55/45/20 °C                     | 195         | 272  | 296  | 320  | 343  | 474  |
| 500         | 75/65/20 °C                     | 481         | 674  | 735  | 796  | 855  | 1194 |
|             | 55/45/20 °C                     | 244         | 340  | 370  | 400  | 428  | 592  |
| 600         | 75/65/20 °C                     | 577         | 808  | 882  | 955  | 1025 | 1433 |
|             | 55/45/20 °C                     | 293         | 408  | 444  | 480  | 514  | 711  |
| 700         | 75/65/20 °C                     | 673         | 943  | 1029 | 1114 | 1196 | 1672 |
|             | 55/45/20 °C                     | 342         | 476  | 518  | 560  | 600  | 829  |
| 800         | 75/65/20 °C                     | 769         | 1078 | 1176 | 1273 | 1367 | 1910 |
|             | 55/45/20 °C                     | 391         | 544  | 592  | 640  | 685  | 948  |
| 900         | 75/65/20 °C                     | 865         | 1212 | 1323 | 1432 | 1538 | 2149 |
|             | 55/45/20 °C                     | 440         | 612  | 666  | 720  | 771  | 1066 |
| 1000        | 75/65/20 °C                     | 961         | 1347 | 1470 | 1591 | 1709 | 2388 |
|             | 55/45/20 °C                     | 488         | 680  | 740  | 799  | 857  | 1185 |
| 1100        | 75/65/20 °C                     | 1057        | 1482 | 1617 | 1750 | 1880 | 2627 |
|             | 55/45/20 °C                     | 537         | 748  | 814  | 879  | 943  | 1303 |
| 1200        | 75/65/20 °C                     | 1153        | 1616 | 1764 | 1909 | 2051 | 2866 |
|             | 55/45/20 °C                     | 586         | 816  | 888  | 959  | 1028 | 1422 |
| 1400        | 75/65/20 °C                     | 1345        | 1886 | 2058 | 2227 | 2393 | 3343 |
|             | 55/45/20 °C                     | 684         | 952  | 1037 | 1119 | 1200 | 1659 |
| 1600        | 75/65/20 °C                     | 1538        | 2155 | 2352 | 2546 | 2734 | 3821 |
|             | 55/45/20 °C                     | 781         | 1088 | 1185 | 1279 | 1371 | 1896 |
| 1800        | 75/65/20 °C                     | 1730        | 2425 | 2646 | 2864 | 3076 | 4298 |
|             | 55/45/20 °C                     | 879         | 1224 | 1333 | 1439 | 1542 | 2133 |
| 2000        | 75/65/20 °C                     | 1922        | 2694 | 2940 | 3182 | 3418 | 4776 |
|             | 55/45/20 °C                     | 977         | 1360 | 1481 | 1599 | 1714 | 2370 |
| 2300        | 75/65/20 °C                     | 2210        | 3098 | 3381 | 3659 | 3931 | 5492 |
|             | 55/45/20 °C                     | 1123        | 1564 | 1703 | 1839 | 1971 | 2725 |
| 2600        | 75/65/20 °C                     | 2499        | 3502 | 3822 | 4137 | 4443 | 6209 |
|             | 55/45/20 °C                     | 1270        | 1768 | 1925 | 2079 | 2228 | 3080 |
| 3000        | 75/65/20 °C                     | 2883        | 4041 | 4410 | 4773 | 5127 | 7164 |
|             | 55/45/20 °C                     | 1465        | 2040 | 2221 | 2398 | 2571 | 3554 |

Thermal output of the radiators [W] in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

| [W/m] 90/70/20 °C | 1211   | 1701   | 1857   | 2012   | 2163   | 3033   |
|-------------------|--------|--------|--------|--------|--------|--------|
| exponent n        | 1,3094 | 1,3226 | 1,3270 | 1,3314 | 1,3358 | 1,3561 |



| length [mm] | parameters<br>$t_z / t_p / t_i$ | height [mm] |      |      |      |      |      |
|-------------|---------------------------------|-------------|------|------|------|------|------|
|             |                                 | 300         | 450  | 500  | 550  | 600  | 900  |
| 400         | 75/65/20 °C                     | 539         | 748  | 814  | 879  | 942  | 1304 |
|             | 55/45/20 °C                     | 273         | 376  | 408  | 439  | 469  | 646  |
| 500         | 75/65/20 °C                     | 674         | 935  | 1018 | 1099 | 1178 | 1630 |
|             | 55/45/20 °C                     | 341         | 470  | 510  | 549  | 587  | 807  |
| 600         | 75/65/20 °C                     | 808         | 1121 | 1221 | 1318 | 1414 | 1956 |
|             | 55/45/20 °C                     | 410         | 564  | 612  | 659  | 704  | 968  |
| 700         | 75/65/20 °C                     | 943         | 1308 | 1425 | 1538 | 1649 | 2282 |
|             | 55/45/20 °C                     | 478         | 657  | 714  | 768  | 821  | 1130 |
| 800         | 75/65/20 °C                     | 1078        | 1495 | 1628 | 1758 | 1885 | 2608 |
|             | 55/45/20 °C                     | 546         | 751  | 816  | 878  | 939  | 1291 |
| 900         | 75/65/20 °C                     | 1212        | 1682 | 1832 | 1977 | 2120 | 2934 |
|             | 55/45/20 °C                     | 615         | 845  | 918  | 988  | 1056 | 1453 |
| 1000        | 75/65/20 °C                     | 1347        | 1869 | 2035 | 2197 | 2356 | 3260 |
|             | 55/45/20 °C                     | 683         | 939  | 1020 | 1098 | 1173 | 1614 |
| 1100        | 75/65/20 °C                     | 1482        | 2056 | 2239 | 2417 | 2592 | 3586 |
|             | 55/45/20 °C                     | 751         | 1033 | 1122 | 1207 | 1291 | 1776 |
| 1200        | 75/65/20 °C                     | 1616        | 2243 | 2442 | 2636 | 2827 | 3912 |
|             | 55/45/20 °C                     | 820         | 1127 | 1224 | 1317 | 1408 | 1937 |
| 1400        | 75/65/20 °C                     | 1886        | 2617 | 2849 | 3076 | 3298 | 4564 |
|             | 55/45/20 °C                     | 956         | 1315 | 1427 | 1537 | 1643 | 2260 |
| 1600        | 75/65/20 °C                     | 2155        | 2990 | 3256 | 3515 | 3770 | 5216 |
|             | 55/45/20 °C                     | 1093        | 1503 | 1631 | 1756 | 1877 | 2583 |
| 1800        | 75/65/20 °C                     | 2425        | 3364 | 3663 | 3955 | 4241 | 5868 |
|             | 55/45/20 °C                     | 1229        | 1691 | 1835 | 1976 | 2112 | 2905 |
| 2000        | 75/65/20 °C                     | 2694        | 3738 | 4070 | 4394 | 4712 | 6520 |
|             | 55/45/20 °C                     | 1366        | 1878 | 2039 | 2195 | 2347 | 3228 |
| 2300        | 75/65/20 °C                     | 3098        | 4299 | 4681 | 5053 | 5419 | 7498 |
|             | 55/45/20 °C                     | 1571        | 2160 | 2345 | 2524 | 2699 | 3713 |
| 2600        | 75/65/20 °C                     | 3502        | 4859 | 5291 | 5712 | 6126 | 8476 |
|             | 55/45/20 °C                     | 1776        | 2442 | 2651 | 2854 | 3051 | 4197 |
| 3000        | 75/65/20 °C                     | 4041        | 5607 | 6105 | 6591 | 7068 | 9780 |
|             | 55/45/20 °C                     | 2049        | 2818 | 3059 | 3293 | 3520 | 4842 |

Thermal output of the radiators [W] in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

| [W/m] 90/70/20 °C | 1698   | 2363   | 2576   | 2784   | 2988   | 4143   |
|-------------------|--------|--------|--------|--------|--------|--------|
| exponent n        | 1,3140 | 1,3313 | 1,3371 | 1,3428 | 1,3486 | 1,3600 |