



EN 442 CE

h 842



PIPES: 18

h 1230



PIPES: 25

h 1512



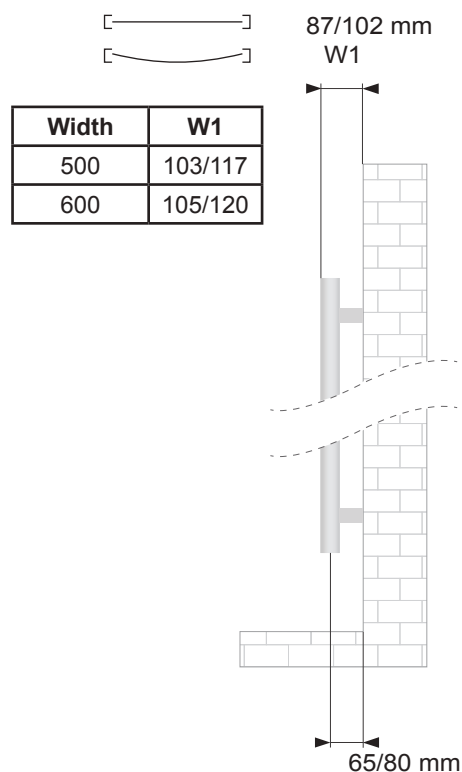
PIPES: 32

h 1785



PIPES: 37

| | straight | curved |
|---|---|--------|
| Material | carbon steel | |
| Pipes - Ø | 25x0,9 | |
| Collectors - mm | 30x40x1,2 | |
| Connections | 3x1/2' * | |
| Wall fixings | 3 | 4 |
| Max pressure | 10 bar | |
| Max temperature | 120 °C | |
| Paint | epoxypolyester powder | |
| Packaging | P.P. corners + carton box + external nylon shrink wrap | |
| * air bleeding valve connection, included | | |



Standard equipment: 1 kit wall fixing brackets - 1 air bleeding valve

The radiators can be supplied in RAL colours or special VOV Lazzarini colours.
Printed colours may differ from the original, so please see official RAL palette and Lazzarini colour chart.



VOV08
Tabac brown



VOV09
White sand



VOV10
Metallic silver



VOV11
Silver sand



VOV12
Anthracite



VOV13
Amethyst



VOV14
Emerald



VOV15
Quartz



VOV16
Azzurrite

White RAL 9016 - straight and curved

| code straight | code curved | h mm | width mm | interaxis mm | weight kg | water lt | $\Delta T 50^{\circ}C$ ϕ watt 75/65/20° | $\Delta T 42,5^{\circ}C$ ϕ watt 70/55/20° | $\Delta T 30^{\circ}C$ ϕ watt 55/45/20° | $\Delta T 50^{\circ}C$ kcal/h | $\Delta T 60^{\circ}C$ btu | heating element watt | $\Delta T 50^{\circ}C$ exponent n |
|---------------|-------------|------|----------|--------------|-----------|----------|--|--|--|----------------------------------|-------------------------------|----------------------|--------------------------------------|
| 386348 | - | 842 | 400 | 355 | 6,3 | 4,0 | 342 | 281 | 184 | 295 | 1461 | 300 | 1,21815 |
| 386349 | - | 842 | 450 | 405 | 6,9 | 4,4 | 385 | 316 | 207 | 332 | 1642 | 300 | 1,21815 |
| 386350 | 386398 | 842 | 500 | 455 | 7,5 | 4,7 | 426 | 350 | 229 | 367 | 1819 | 500 | 1,21966 |
| 386351 | - | 842 | 550 | 505 | 8,0 | 5,1 | 467 | 383 | 251 | 402 | 1993 | 500 | 1,22118 |
| 386352 | 386399 | 842 | 600 | 555 | 8,6 | 5,5 | 508 | 417 | 273 | 437 | 2167 | 500 | 1,22270 |
| 386354 | - | 1230 | 400 | 355 | 9,0 | 5,6 | 478 | 391 | 253 | 412 | 2051 | 500 | 1,25068 |
| 386355 | - | 1230 | 450 | 405 | 9,7 | 6,2 | 538 | 440 | 285 | 463 | 2307 | 500 | 1,25068 |
| 386356 | 386400 | 1230 | 500 | 455 | 10,5 | 6,7 | 605 | 494 | 320 | 521 | 2597 | 700 | 1,25130 |
| 386357 | - | 1230 | 550 | 505 | 11,3 | 7,2 | 673 | 550 | 356 | 579 | 2887 | 700 | 1,25191 |
| 386358 | 386401 | 1230 | 600 | 555 | 12,1 | 7,8 | 740 | 604 | 391 | 637 | 3174 | 700 | 1,25252 |
| 386360 | - | 1230 | 750 | 705 | 14,5 | 9,3 | 942 | 769 | 497 | 810 | 4044 | 1000 | 1,25437 |
| 386361 | - | 1512 | 400 | 355 | 11,2 | 7,1 | 585 | 478 | 310 | 504 | 2508 | 700 | 1,24766 |
| 386362 | - | 1512 | 450 | 405 | 12,3 | 7,8 | 658 | 538 | 348 | 566 | 2822 | 700 | 1,24766 |
| 386363 | 386402 | 1512 | 500 | 455 | 13,3 | 8,5 | 736 | 601 | 390 | 633 | 3153 | 700 | 1,24759 |
| 386364 | - | 1512 | 550 | 505 | 14,3 | 9,1 | 813 | 664 | 430 | 700 | 3484 | 700 | 1,24752 |
| 386365 | 386403 | 1512 | 600 | 555 | 15,3 | 9,8 | 890 | 727 | 471 | 766 | 3815 | 1000 | 1,24744 |
| 386367 | - | 1512 | 750 | 705 | 18,3 | 11,8 | 1122 | 917 | 594 | 965 | 4808 | 1000 | 1,24723 |
| 386368 | - | 1785 | 400 | 355 | 13,1 | 8,3 | 697 | 570 | 370 | 600 | 2986 | 700 | 1,24472 |
| 386369 | - | 1785 | 450 | 405 | 14,3 | 9,1 | 784 | 641 | 416 | 675 | 3358 | 700 | 1,24472 |
| 386370 | 386404 | 1785 | 500 | 455 | 15,4 | 9,9 | 863 | 706 | 458 | 743 | 3696 | 1000 | 1,24399 |
| 386371 | - | 1785 | 550 | 505 | 16,6 | 10,6 | 942 | 770 | 500 | 810 | 4033 | 1000 | 1,24325 |
| 386372 | 386405 | 1785 | 600 | 555 | 17,8 | 11,4 | 1020 | 834 | 541 | 878 | 4368 | 1000 | 1,24252 |
| 386374 | - | 1785 | 750 | 705 | 21,2 | 13,8 | 1257 | 1028 | 668 | 1081 | 5378 | 1000 | 1,24032 |

Chrome - straight and curved

| code straight | code curved | h mm | width mm | interaxis mm | weight kg | water lt | $\Delta T 50^{\circ}C$ ϕ watt 75/65/20° | $\Delta T 42,5^{\circ}C$ ϕ watt 70/55/20° | $\Delta T 30^{\circ}C$ ϕ watt 55/45/20° | $\Delta T 50^{\circ}C$ kcal/h | $\Delta T 60^{\circ}C$ btu | heating element watt | $\Delta T 50^{\circ}C$ exponent n |
|---------------|-------------|------|----------|--------------|-----------|----------|--|--|--|----------------------------------|-------------------------------|----------------------|--------------------------------------|
| 386375 | - | 842 | 400 | 355 | 6,3 | 4,0 | 236 | 194 | 127 | 203 | 1007 | 200 | 1,21953 |
| 386376 | - | 842 | 450 | 405 | 6,9 | 4,4 | 265 | 218 | 143 | 228 | 1130 | 300 | 1,21953 |
| 386377 | 386407 | 842 | 500 | 455 | 7,5 | 4,7 | 292 | 240 | 156 | 252 | 1249 | 300 | 1,22820 |
| 386378 | - | 842 | 550 | 505 | 8,0 | 5,1 | 319 | 261 | 170 | 275 | 1365 | 300 | 1,23687 |
| 386379 | - | 842 | 600 | 555 | 8,6 | 5,5 | 346 | 283 | 184 | 298 | 1485 | 300 | 1,24554 |
| 386380 | - | 1230 | 400 | 355 | 9,0 | 5,6 | 321 | 262 | 168 | 277 | 1382 | 300 | 1,26832 |
| 386381 | - | 1230 | 450 | 405 | 9,7 | 6,2 | 361 | 294 | 189 | 311 | 1553 | 300 | 1,26832 |
| 386382 | 386408 | 1230 | 500 | 455 | 10,5 | 6,7 | 400 | 326 | 210 | 344 | 1724 | 300 | 1,27015 |
| 386383 | - | 1230 | 550 | 505 | 11,3 | 7,2 | 439 | 358 | 230 | 378 | 1891 | 500 | 1,27198 |
| 386384 | 386409 | 1230 | 600 | 555 | 12,1 | 7,8 | 479 | 390 | 250 | 412 | 2065 | 500 | 1,27380 |
| 386385 | - | 1230 | 750 | 705 | 14,5 | 9,3 | 597 | 485 | 311 | 514 | 2573 | 700 | 1,27929 |
| 386386 | - | 1512 | 400 | 355 | 11,2 | 7,1 | 395 | 322 | 207 | 340 | 1700 | 300 | 1,26681 |
| 386387 | - | 1512 | 450 | 405 | 12,3 | 7,8 | 444 | 362 | 233 | 382 | 1911 | 500 | 1,26681 |
| 386388 | 386410 | 1512 | 500 | 455 | 13,3 | 8,5 | 491 | 400 | 257 | 423 | 2113 | 500 | 1,26972 |
| 386389 | - | 1512 | 550 | 505 | 14,3 | 9,1 | 539 | 439 | 282 | 464 | 2321 | 500 | 1,27262 |
| 386390 | 386411 | 1512 | 600 | 555 | 15,3 | 9,8 | 587 | 478 | 306 | 505 | 2529 | 700 | 1,27553 |
| 386391 | - | 1512 | 750 | 705 | 18,3 | 11,8 | 731 | 594 | 380 | 629 | 3153 | 700 | 1,28425 |
| 386392 | - | 1785 | 400 | 355 | 13,1 | 8,3 | 478 | 390 | 251 | 412 | 2058 | 500 | 1,26535 |
| 386393 | - | 1785 | 450 | 405 | 14,3 | 9,1 | 538 | 438 | 282 | 463 | 2314 | 500 | 1,26535 |
| 386394 | 386412 | 1785 | 500 | 455 | 15,4 | 9,9 | 593 | 483 | 311 | 510 | 2553 | 700 | 1,26930 |
| 386395 | - | 1785 | 550 | 505 | 16,6 | 10,6 | 649 | 528 | 339 | 559 | 2795 | 700 | 1,27325 |
| 386396 | 386413 | 1785 | 600 | 555 | 17,8 | 11,4 | 705 | 573 | 368 | 607 | 3037 | 700 | 1,27720 |
| 386397 | - | 1785 | 750 | 705 | 21,2 | 13,8 | 872 | 708 | 452 | 750 | 3767 | 1000 | 1,28906 |

Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the output value by fixing the ΔT at $50^{\circ}C$. ΔT is the difference between the average temperature of the water inside the radiator and the room temperature. The formula is: $((T_1+T_2)/2)-T_3$.

Ex.: $((75+65)/2)-20 = 50^{\circ}C$. For output values with a different ΔT use the following formula: $\phi_x = \phi_{\Delta T 50} * (\Delta T_x / 50)^n$.

See calculation example of the output at $\Delta T 60^{\circ}$ of article 386375: $236 * (60/50)^{1,21953} = 295$.

Output values in kcal/h = watt x 0,85984. Output values in btu = watt x 3,412.

LEGEND

T_1 = supply temperature - T_2 = return temperature - T_3 = room temperature.

ϕ_x = output to be calculated - $\phi_{\Delta T 50}$ = output at $\Delta T 50^{\circ}C$ (table) - ΔT_x = ΔT value to be calculated - "n" = exponent "n" (table).