



ELLIPSIS_H HORIZONTAL

8 elements, height 480 mm, length 1520 mm. Claret finish (cod. 06). Configuration cod. 01.



Technical features:

- manifolds with a 30 mm diameter circular section
- tubes made of sheet steel with a 50x25 mm elliptical section
- manifold threading 1/2" Gas right
- maximum working pressure 4 bar
- maximum working temperature 95°C

Finishes available Surcharge

- Standard White
- Classic finishes
- Special finishes
- Other RAL colors

Finishing codes see page 596.



| Model | Code | Depth | Lenght | Conn. C. | Weight | Cap. |
|-------|-------------------------------|-------|--------|----------|--------|------|
| | | P mm | L mm | L' mm | Kg | lt |
| 520 | TL1 0520 YY 01 IR 01 H | 53 | 520 | 470 | 0,75 | 0,50 |
| 650 | TL1 0650 YY 01 IR 01 H | 53 | 650 | 600 | 0,88 | 0,61 |
| 700 | TL1 0700 YY 01 IR 01 H | 53 | 700 | 650 | 0,93 | 0,65 |
| 920 | TL1 0920 YY 01 IR 01 H | 53 | 920 | 870 | 1,15 | 0,84 |
| 1020 | TL1 1020 YY 01 IR 01 H | 53 | 1020 | 970 | 1,25 | 0,93 |
| 1220 | TL1 1220 YY 01 IR 01 H | 53 | 1220 | 1170 | 1,45 | 1,09 |
| 1520 | TL1 1520 YY 01 IR 01 H | 53 | 1520 | 1470 | 1,75 | 1,35 |
| 1820 | TL1 1820 YY 01 IR 01 H | 53 | 1820 | 1770 | 2,05 | 1,60 |
| 2020 | TL1 2020 YY 01 IR 01 H | 53 | 2020 | 1970 | 2,25 | 1,77 |

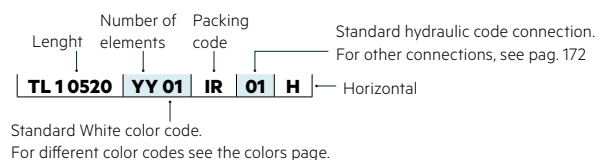
Price included:



Number of elements:

Radiators with an odd number of elements will be supplied at the same price as a radiator with the next even number of elements.
For example: a ELLIPSIS_H Horizontal 1820 lenght and 9 elements wide = the price of a ELLIPSIS_H Horizontal 1820 lenght and 10 elements wide.

Key Codes



ELLIPSIS_H Horizontal: Power in Watt for linear metre

| N. el. | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Btu/h a Δt= 50°C | 920,4 | 1380,6 | 1837,5 | 2296,1 | 2761,2 | 3221,5 | 3681,7 | 4141,9 | 4602,1 | 5062,3 | 5522,5 | 5982,7 | 6442,9 | 6903,1 |
| Watt a Δt= 50°C | 269,6 | 404,4 | 538,2 | 672,5 | 808,8 | 943,6 | 1078,4 | 1213,2 | 1348,0 | 1482,8 | 1617,6 | 1752,4 | 1887,2 | 2022,0 |
| Watt a Δt= 40°C | 202,1 | 304,1 | 403,1 | 506,6 | 611,8 | 716,5 | 821,9 | 927,9 | 1034,7 | 1142,2 | 1250,4 | 1359,2 | 1468,8 | 1578,9 |
| Watt a Δt= 30°C* | 139,4 | 210,5 | 277,7 | 351,5 | 426,9 | 502,4 | 579,0 | 656,8 | 735,8 | 815,9 | 897,2 | 979,6 | 1063,1 | 1147,8 |
| Watt a Δt= 20°C | 82,5 | 125,4 | 164,2 | 210,1 | 257,0 | 304,6 | 353,4 | 403,6 | 455,0 | 507,8 | 561,9 | 617,4 | 674,2 | 732,3 |
| Modification index | 1,292 | 1,278 | 1,295 | 1,270 | 1,251 | 1,234 | 1,217 | 1,201 | 1,185 | 1,169 | 1,154 | 1,139 | 1,123 | 1,108 |

(*) Thanks to the high performance of Irsap ELLIPSIS_H Horizontal radiators, the ideal Δt for low temperature projects is Δt at 30°C.

For Δt different from 50°C use the formula: $Q = Q_n (\Delta t / 50)^n$

Special Options

Cod. 88



Manifolds:

The pipefittings welded on the side manifold can be positioned at any point at a specified distance between centres. It is compulsory in this type of installation to install a diaphragm during production to ensure the product functions correctly. The minimum possible distance between centres is equal to 50 mm (cod. 88), while the maximum distance depends on the length of the radiator (cod. 82). The maximum distance between centres is equal to the number of elements - 1 multiplied by 60 (element pitch): $H' = 60 \times (n^{\circ} \text{ of elements} - 1)$.

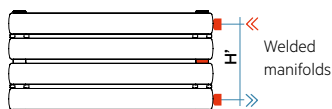
Side Connections (Cod. M82, M88): for side water connections insert an internal flow diverter to the bottom manifold

Internal Diaphragm (Cod. M80): Prearrangement for side connections with 1/2" welded fittings and internal baffle

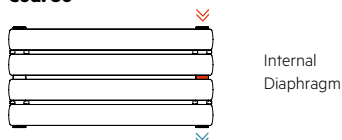
Configured for connection with single-pipe valve: connection available only for modul and/or double-pipe systems, no monotube valve with loop - (specify water inlet)

For other connections see page 172

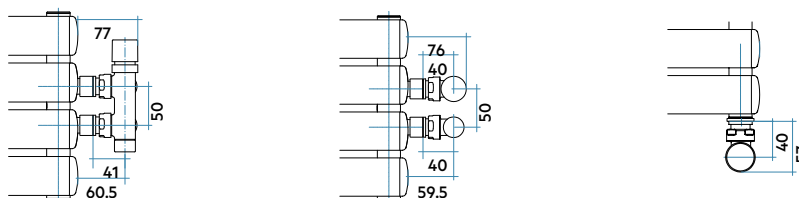
Cod. 82

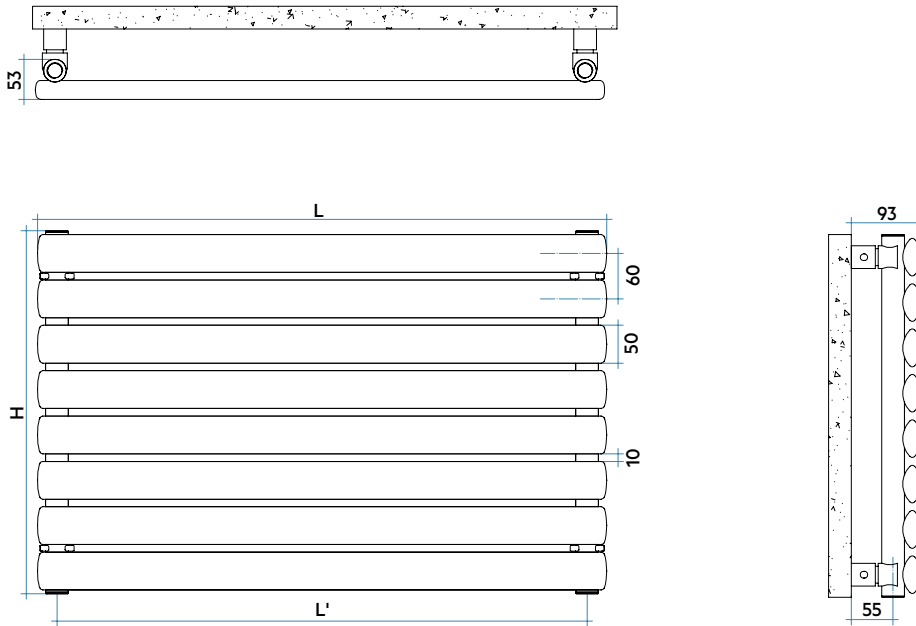


Cod. 80



Connection dimensions with IRSAP valves

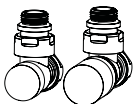




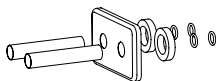
COMPLETE BATTERY DATA

| | | LENGHT (L) | | | | | | | | | |
|----------------------|-------------|------------|------|------|------|------|------|------|------|------|------|
| (H) | | 520 | 650 | 700 | 920 | 1020 | 1220 | 1520 | 1820 | 2020 | |
| Height mm | 240 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 4 | W | 140 | 175 | 189 | 248 | 275 | 329 | 410 | 491 | 545 |
| Height mm | 360 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 6 | W | 210 | 263 | 283 | 372 | 412 | 493 | 615 | 736 | 817 |
| Height mm | 480 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 8 | W | 280 | 350 | 377 | 495 | 549 | 657 | 818 | 980 | 1087 |
| Height mm | 600 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 10 | W | 350 | 437 | 471 | 619 | 686 | 821 | 1022 | 1224 | 1359 |
| Height mm | 720 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 12 | W | 421 | 526 | 566 | 744 | 825 | 987 | 1229 | 1472 | 1634 |
| Height mm | 840 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 14 | W | 491 | 613 | 661 | 868 | 962 | 1151 | 1434 | 1717 | 1906 |
| Height mm | 960 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 16 | W | 561 | 701 | 755 | 992 | 1100 | 1316 | 1639 | 1963 | 2178 |
| Height mm | 1080 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 18 | W | 631 | 789 | 849 | 1116 | 1237 | 1480 | 1844 | 2208 | 2451 |
| Height mm | 1200 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 20 | W | 701 | 876 | 944 | 1240 | 1375 | 1645 | 2049 | 2453 | 2723 |
| Height mm | 1320 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 22 | W | 771 | 964 | 1038 | 1364 | 1512 | 1809 | 2254 | 2699 | 2995 |
| Height mm | 1440 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 24 | W | 841 | 1051 | 1132 | 1488 | 1650 | 1973 | 2459 | 2944 | |
| Height mm | 1560 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 26 | W | 911 | 1139 | 1227 | 1612 | 1787 | 2138 | 2664 | | |
| Height mm | 1680 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 28 | W | 981 | 1227 | 1321 | 1736 | 1925 | 2302 | 2869 | | |
| Height mm | 1800 | | | | | | | | | | |
| <i>yy = N° elem.</i> | 30 | W | 1051 | 1314 | 1415 | 1860 | 2062 | 2467 | 3073 | | |

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566

