



COIL - PMW205

CHARACTERISTICS

- ✘ for heating dry interiors
- ✘ high heat output without fan

DIMENSIONS

| | |
|---------------------|----------------|
| total width | 420 mm |
| construction height | 205 mm |
| length | 900 to 3000 mm |

USAGE

It is recommended for individual use in dry interiors with demand on higher heat output where the construction height is not a limiting factor.

HEAT TRANSFER RATE Q [W] COIL - PMW205

| mean water temperature t_w | length L (mm) 900 | | |
|------------------------------|----------------------------|--------------|-------|
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 961 | 871 | 836 |
| 80 | 784 | 700 | 667 |
| 70 | 618 | 540 | 509 |
| 50 | 325 | 261 | 236 |
| mean water temperature t_w | length L (mm) 1000 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 1 121 | 1 016 | 975 |
| 80 | 915 | 816 | 778 |
| 70 | 721 | 630 | 594 |
| 50 | 379 | 304 | 276 |
| mean water temperature t_w | length L (mm) 1250 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 1 522 | 1 379 | 1 324 |
| 80 | 1 241 | 1 108 | 1 055 |
| 70 | 979 | 854 | 806 |
| 50 | 514 | 413 | 374 |
| mean water temperature t_w | length L (mm) 1500 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 1 922 | 1 742 | 1 672 |
| 80 | 1 568 | 1 399 | 1 333 |
| 70 | 1 236 | 1 079 | 1 018 |
| 50 | 650 | 522 | 473 |
| mean water temperature t_w | length L (mm) 1750 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 2 323 | 2 105 | 2 020 |
| 80 | 1 895 | 1 691 | 1 611 |
| 70 | 1 494 | 1 304 | 1 230 |
| 50 | 785 | 630 | 571 |
| mean water temperature t_w | length L (mm) 2000 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 2 723 | 2 468 | 2 369 |
| 80 | 2 221 | 1 982 | 1 889 |
| 70 | 1 751 | 1 529 | 1 443 |
| 50 | 920 | 739 | 670 |
| mean water temperature t_w | length L (mm) 2500 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 3 524 | 3 194 | 3 065 |
| 80 | 2 875 | 2 565 | 2 444 |
| 70 | 2 266 | 1 979 | 1 867 |
| 50 | 1 191 | 956 | 867 |
| mean water temperature t_w | length L (mm) 3000 | | |
| | mean air temperature t_A | | |
| | 15 | 20 | 22 |
| 90 | 4 325 | 3 920 | 3 762 |
| 80 | 3 528 | 3 148 | 3 000 |
| 70 | 2 781 | 2 428 | 2 291 |
| 50 | 1 461 | 1 174 | 1 064 |

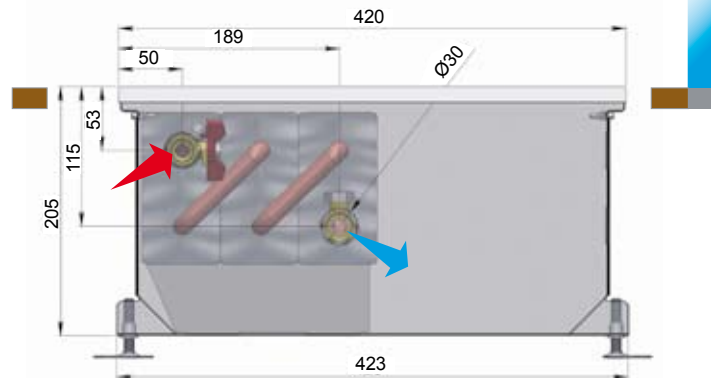
TEMPERATURE EQUATION

$$Q = \mu Q_N \left(\frac{t_w - t_A}{50} \right)^m$$

where:

- m = temperature exponent 1,4236
- t_w, A = mean heating water temperature, mean air temperature in the interior [°C]
- Q_N = nominal heat transfer rate for difference of temperatures $t_w - t_A = 50$ °C [W]
- μ = $\mu=1$ (select μ according to the diagram for other than nominal flow values)
- Q = heat transfer rate for other temperatures [W]

CROSS SECTION OF COIL-PMW205



LONGITUDINAL SECTION COIL-PMW205

