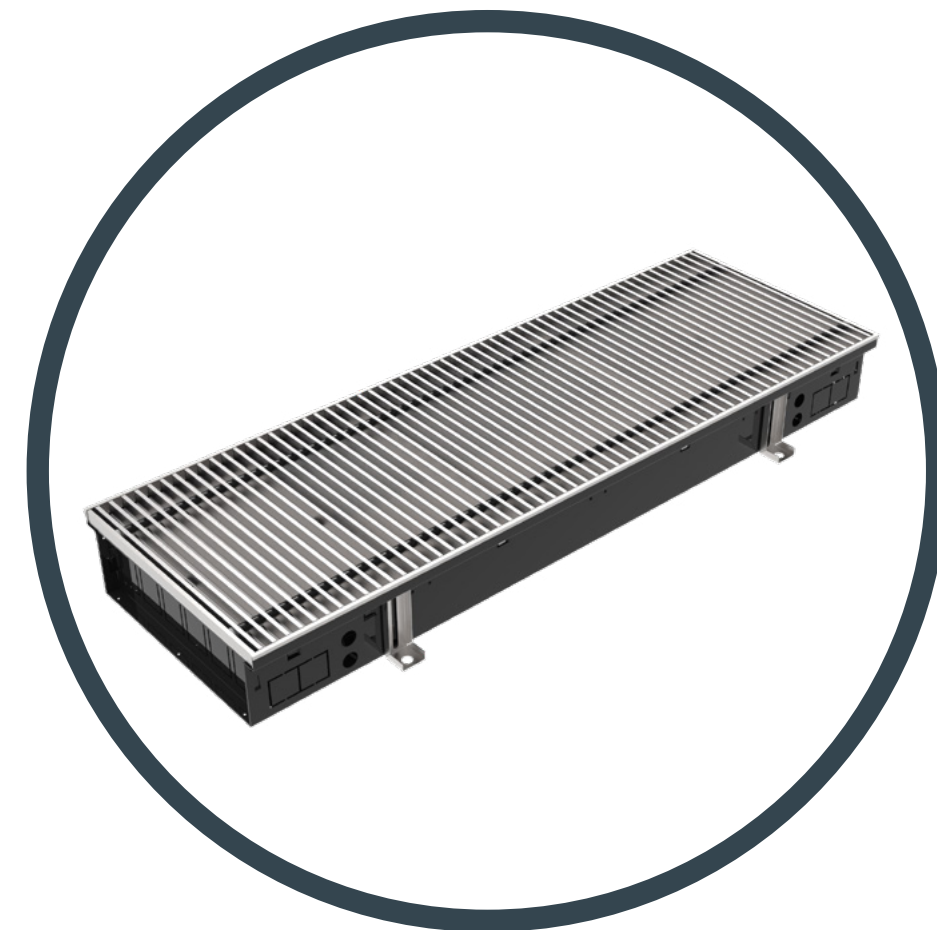




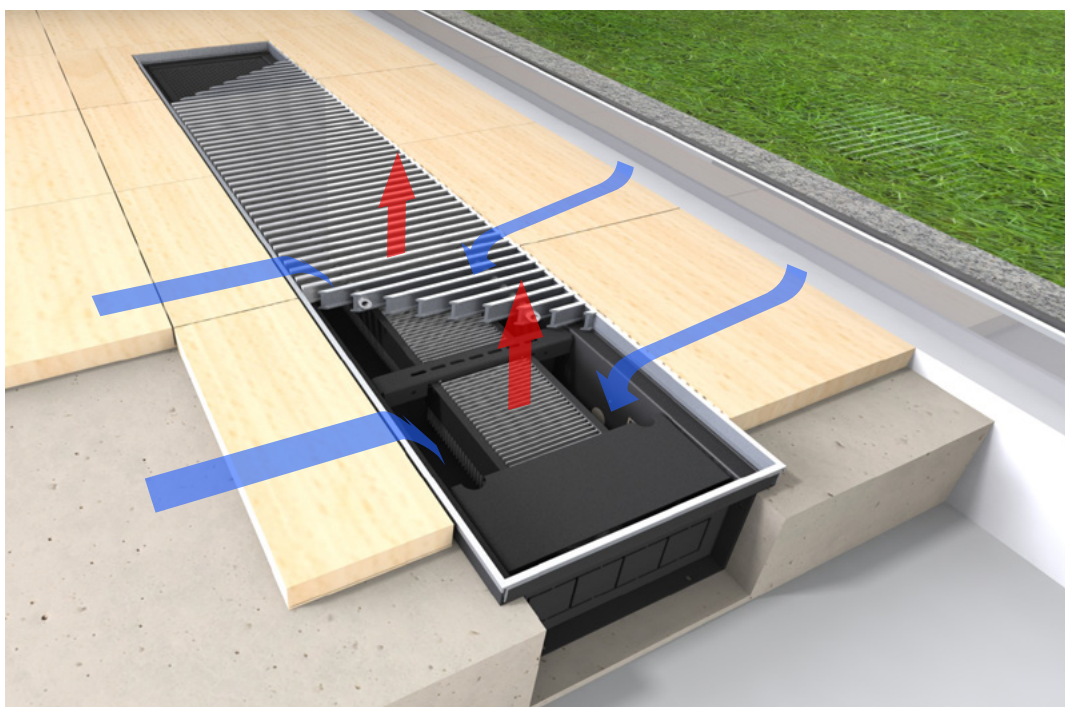
Product manual

# Floor Convectors

PKN, PKF, PKV, PKH, PKH-4C

Air treatment

Version 1.0.5  
Date: 09.10.2026.



## Floor Convectors

### Application

Perfect for use in areas with high interior design requirements and spaces with large glass surfaces. Attractive solution used both as a primary heating or secondary cooling source depending on application of space.

### Advantages

Steel sheet casing powder coated in black color - RAL9005.  
Optional external 6 mm tick insulation.  
Cu/Al heat exchanger with profiled fins and 1/2" internal thread connections; each tested on 25 bar max pressure.  
Low noise tangential fans: 230V AC or 24V EC.  
Wide range of attractive cover grilles made of anodized aluminium, wood or stainless steel in longitudinal or transverse roll-up design.  
Modular design allows easy connection and section adjustments.

### Attractive design

Compared to classical heating systems, floor convectors are not using up usefull space nor interfering with room arrangement.  
Variety of accessories, regulation and inactive connection parts.

### Cutting through the cold air flow

In spaces with large glass surfaces on external openings, there is a "spillover" of cold air from the glass surface into the interior of the room (cold wall effect). Floor convectors cut through the cold air flow, creating a warm barrier directly in front of the window surface on one side, and a vertical flow of warm air on the other side. This increases the comfort of staying in such spaces while simultaneously preventing the windows from fogging.

### Instant heating

Heat exchangers provide rapid heat transfer due to large heat exchange surface. It is especially beneficial in combination with slow heating systems.

### High heat output at low input water temperatures

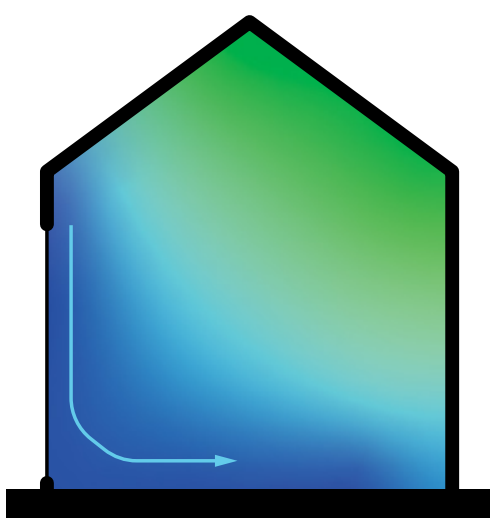
In heating systems with low water temperatures, floor convectors with forced convection are used. The principle of forced convection greatly increases heat output.

### Cost effective

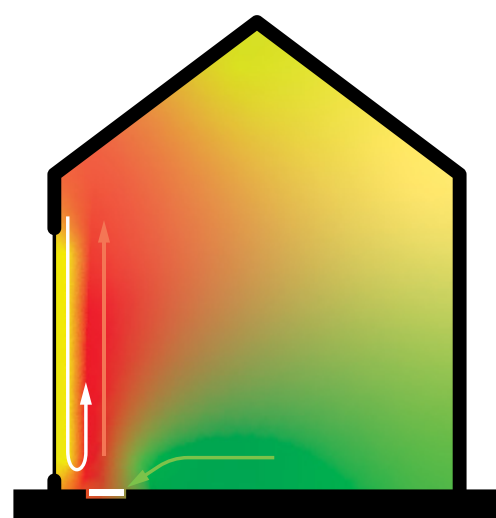
As an addition to floor heating system, floor convectors are great solution for short-term heating requirements during transitional periods between seasons. In this way heating is only delivered when neccessary, avoiding unwanted heat transfer and saving money.

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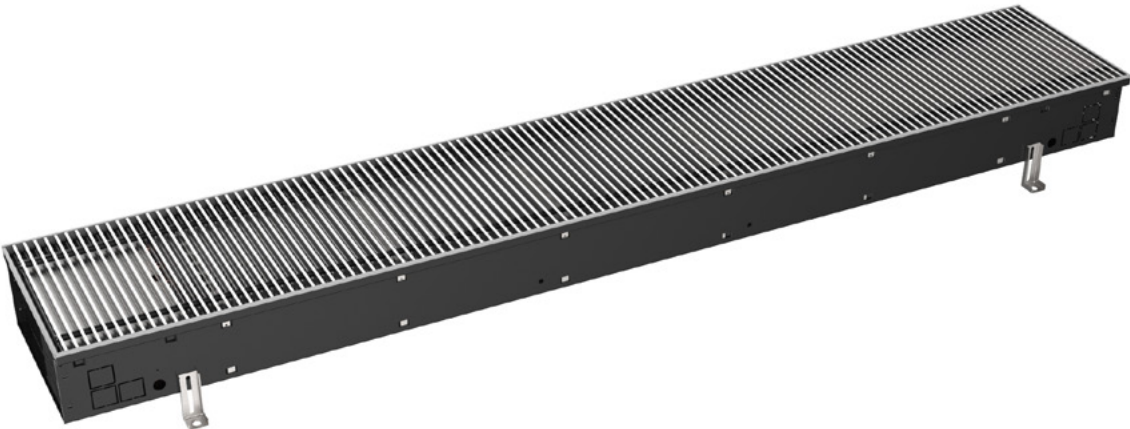
## PRODUCT OVERVIEW



Clasical heating systems



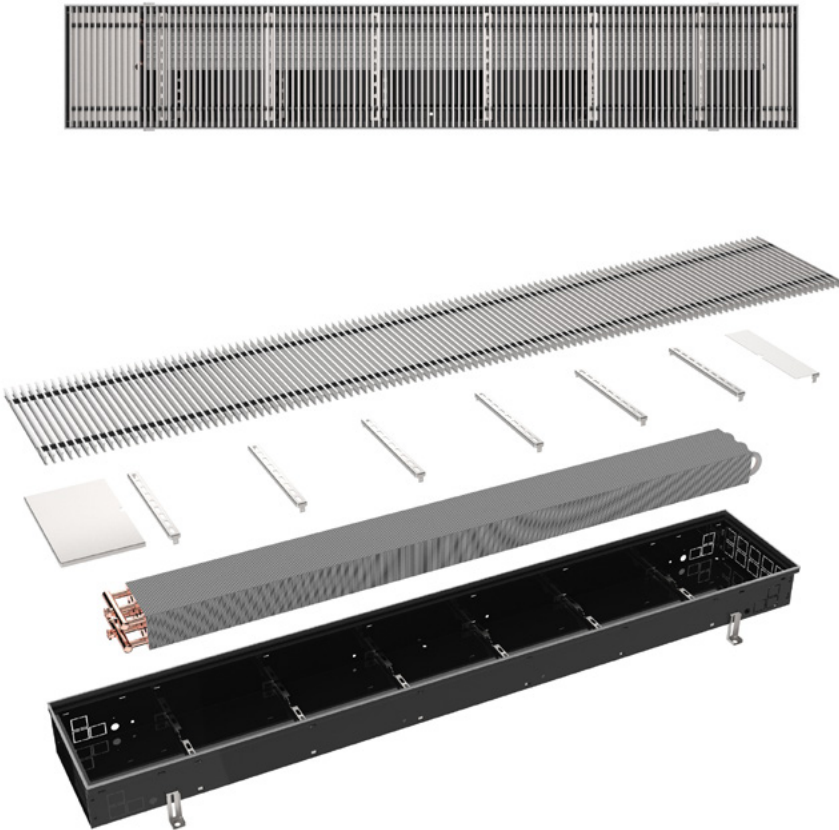
Klimaoprema floor convector



PKN Floor convector

Natural convection is used for heat transfer from heating element to the surrounding air. Cold air is heavier and falls to the bottom of the casing. Air is then heated by a heat exchanger. As it gets warmer, it rises, and leaves the room for new cold air to fill the casing.

Length: 1000 to 3000 mm  
Height: 70, 110 or 140 mm  
Heat output: 66 - 2570 W  
Heat exchanger: 1-row, 2-rows, 3-rows



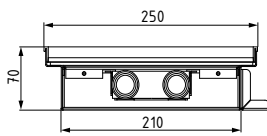
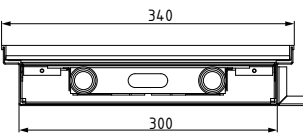
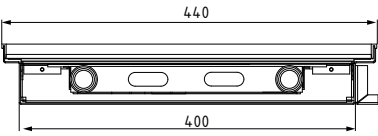
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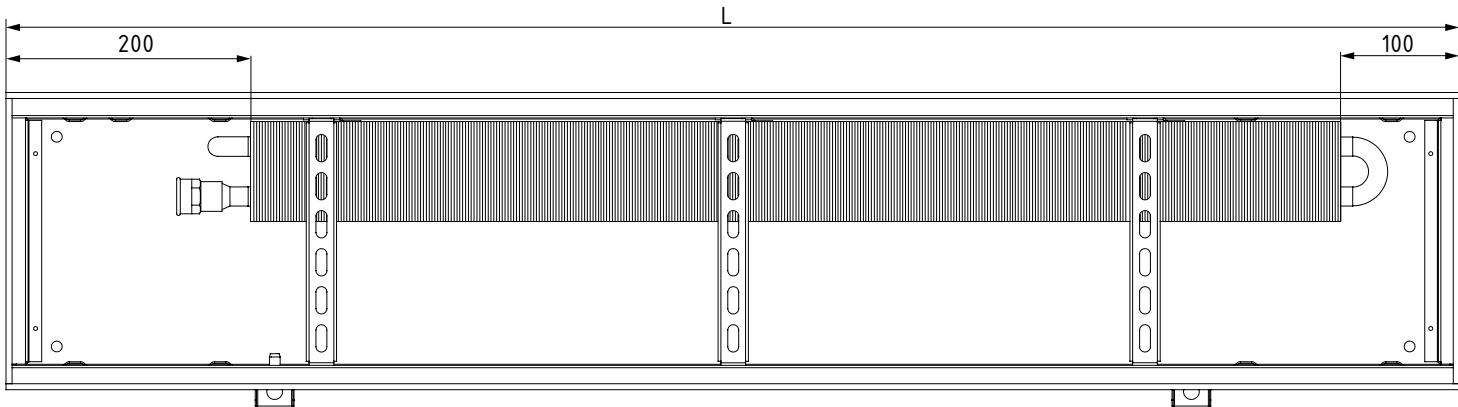


FLOOR CONVECTOR PKN

AIR TREATMENT

DIMENSIONS

|                                                                                     | 1-ROW                                                                               | 2-ROWS                                                                               | 3-ROWS           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|
|  |  |  |                  |
| Heat exchanger                                                                      | 1-ROW                                                                               | 2-ROWS                                                                               | 3-ROWS           |
| Casing dimension B (mm)                                                             | 250                                                                                 | 340                                                                                  | 440              |
| Casing dimension H (mm)                                                             | 70<br>110<br>140                                                                    | 70<br>110<br>140                                                                     | 70<br>110<br>140 |



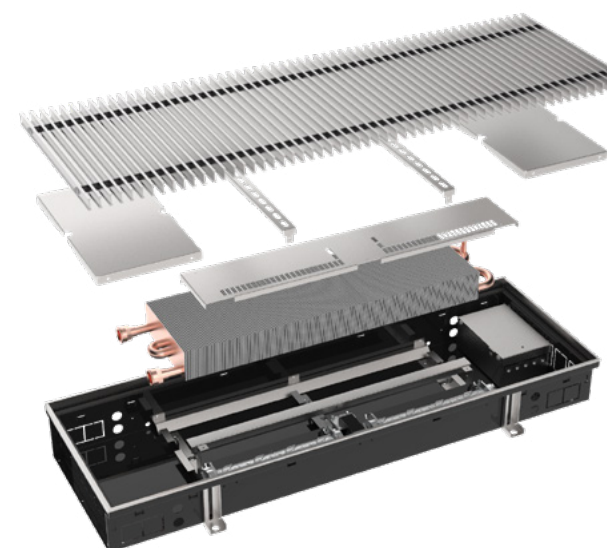
\*water connections R1/2"

Heat output [W] - PKN

| Length<br>[mm] | LPHW        | 1-row       |     |      | 2-rows |      |      | 3-rows |      |      |
|----------------|-------------|-------------|-----|------|--------|------|------|--------|------|------|
|                |             | Height [mm] |     |      |        |      |      |        |      |      |
|                |             | 70          | 110 | 140  | 70     | 110  | 140  | 70     | 110  | 140  |
| 1000           | 90/70/20 °C | 198         | 280 | 329  | 351    | 460  | 532  | 494    | 632  | 831  |
|                | 75/65/20 °C | 153         | 223 | 256  | 279    | 376  | 427  | 398    | 522  | 671  |
|                | 55/45/20 °C | 66          | 102 | 111  | 129    | 186  | 199  | 189    | 264  | 323  |
| 1200           | 90/70/20 °C | 257         | 349 | 412  | 437    | 571  | 667  | 619    | 781  | 1021 |
|                | 75/65/20 °C | 198         | 278 | 321  | 347    | 467  | 535  | 498    | 645  | 825  |
|                | 55/45/20 °C | 85          | 128 | 140  | 160    | 230  | 249  | 236    | 326  | 398  |
| 1400           | 90/70/20 °C | 314         | 421 | 497  | 523    | 682  | 800  | 744    | 928  | 1213 |
|                | 75/65/20 °C | 242         | 335 | 387  | 416    | 558  | 642  | 599    | 766  | 980  |
|                | 55/45/20 °C | 104         | 154 | 169  | 192    | 275  | 299  | 284    | 387  | 473  |
| 1600           | 90/70/20 °C | 372         | 492 | 582  | 608    | 893  | 936  | 870    | 1077 | 1405 |
|                | 75/65/20 °C | 287         | 392 | 453  | 483    | 731  | 751  | 700    | 889  | 1135 |
|                | 55/45/20 °C | 123         | 180 | 197  | 223    | 360  | 350  | 332    | 449  | 547  |
| 1800           | 90/70/20 °C | 430         | 561 | 668  | 695    | 903  | 1071 | 993    | 1223 | 1595 |
|                | 75/65/20 °C | 332         | 447 | 520  | 552    | 739  | 859  | 799    | 1010 | 1289 |
|                | 55/45/20 °C | 143         | 205 | 226  | 255    | 364  | 400  | 379    | 511  | 622  |
| 2000           | 90/70/20 °C | 487         | 632 | 751  | 781    | 1013 | 1204 | 1118   | 1370 | 1789 |
|                | 75/65/20 °C | 376         | 503 | 585  | 621    | 829  | 966  | 900    | 1131 | 1445 |
|                | 55/45/20 °C | 161         | 231 | 255  | 287    | 409  | 450  | 427    | 572  | 697  |
| 2200           | 90/70/20 °C | 545         | 702 | 836  | 864    | 1124 | 1340 | 1242   | 1519 | 1980 |
|                | 75/65/20 °C | 421         | 559 | 651  | 687    | 920  | 1075 | 1000   | 1254 | 1600 |
|                | 55/45/20 °C | 180         | 257 | 284  | 317    | 453  | 501  | 474    | 634  | 771  |
| 2400           | 90/70/20 °C | 602         | 774 | 920  | 951    | 1234 | 1475 | 1367   | 1665 | 2172 |
|                | 75/65/20 °C | 465         | 616 | 717  | 7556   | 1010 | 1183 | 1100   | 1375 | 1755 |
|                | 55/45/20 °C | 199         | 283 | 312  | 349    | 498  | 551  | 521    | 695  | 846  |
| 2600           | 90/70/20 °C | 662         | 845 | 1005 | 1039   | 1346 | 1608 | 1491   | 1814 | 2363 |
|                | 75/65/20 °C | 511         | 673 | 783  | 826    | 1101 | 1290 | 1200   | 1498 | 1909 |
|                | 55/45/20 °C | 219         | 309 | 341  | 381    | 543  | 601  | 569    | 757  | 921  |
| 2800           | 90/70/20 °C | 718         | 913 | 1090 | 1122   | 1458 | 1744 | 1615   | 1961 | 2555 |
|                | 75/65/20 °C | 554         | 727 | 849  | 892    | 1193 | 1399 | 1300   | 1619 | 2064 |
|                | 55/45/20 °C | 238         | 334 | 370  | 412    | 588  | 652  | 616    | 819  | 955  |
| 3000           | 90/70/20 °C | 777         | 986 | 1178 | 1208   | 1569 | 1881 | 1740   | 2107 | 2570 |
|                | 75/65/20 °C | 600         | 785 | 918  | 960    | 1284 | 1509 | 1401   | 1740 | 2076 |
|                | 55/45/20 °C | 257         | 360 | 400  | 444    | 633  | 703  | 664    | 880  | 1001 |

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HEAT OUTPUT PKN



## PKF Floor convector

Forced convection is achieved by using a built in fans to increase the airflow over heating surfaces, thus greatly improving heat transfer efficiency.

Length: 1200 to 3000 mm

Height: 110 or 140 mm

Heat output: 57 - 7360 W

Heat exchanger: 1-row, 2-rows, 3-rows

Fans / Controls  
230 V AC - 3 speed transformer  
230 V AC - control 0-10 V  
24 V EC - control 0-10 V

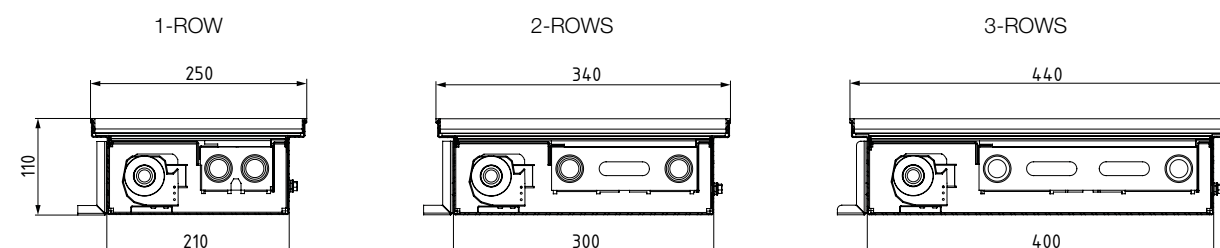
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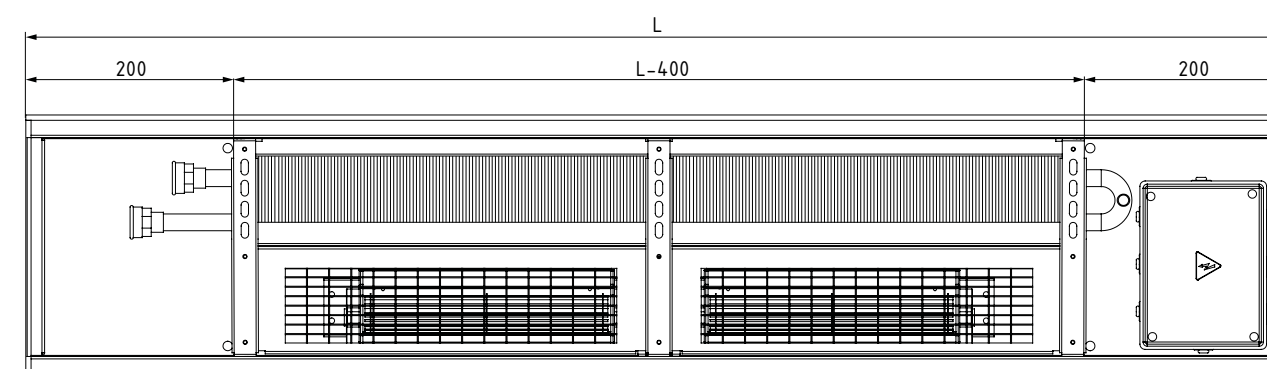
## FLOOR CONVECTOR PKF

## AIR TREATMENT

### DIMENSIONS



| Heat exchanger          | 1-ROW | 2-ROWS | 3-ROWS |
|-------------------------|-------|--------|--------|
| Casing dimension B (mm) | 250   | 340    | 440    |
| Casing dimension H (mm) | 110   | 110    | 110    |
|                         | 140   | 140    | 140    |



Heat output [W] - PKF-110

| Length<br>[mm] | LPHW        | 1-row     |      |      |      | 2-rows |      |      |      | 3-rows |      |      |      |
|----------------|-------------|-----------|------|------|------|--------|------|------|------|--------|------|------|------|
|                |             | Fan speed |      |      |      |        |      |      |      |        |      |      |      |
|                |             | OFF       | MIN  | MED  | MAX  | OFF    | MIN  | MED  | MAX  | OFF    | MIN  | MED  | MAX  |
| 1 fan          |             |           |      |      |      |        |      |      |      |        |      |      |      |
| 1200           | 90/70/20 °C | 179       | 686  | 894  | 1235 | 318    | 1027 | 1343 | 1915 | 429    | 1329 | 1759 | 2416 |
|                | 75/65/20 °C | 144       | 583  | 770  | 1067 | 252    | 878  | 1211 | 1749 | 345    | 1128 | 1618 | 2207 |
|                | 55/45/20 °C | 69        | 319  | 436  | 618  | 117    | 482  | 631  | 942  | 159    | 617  | 827  | 1167 |
| 1400           | 90/70/20 °C | 233       | 739  | 946  | 1289 | 408    | 1112 | 1428 | 2003 | 549    | 1444 | 1869 | 2528 |
|                | 75/65/20 °C | 188       | 628  | 816  | 1115 | 324    | 954  | 1292 | 1832 | 441    | 1228 | 1733 | 2317 |
|                | 55/45/20 °C | 90        | 343  | 462  | 645  | 151    | 523  | 673  | 987  | 203    | 672  | 886  | 1225 |
| 1600           | 90/70/20 °C | 286       | 788  | 994  | 1339 | 503    | 1195 | 1515 | 2088 | 666    | 1556 | 1985 | 2640 |
|                | 75/65/20 °C | 231       | 670  | 856  | 1157 | 399    | 1033 | 1297 | 1819 | 535    | 1333 | 1698 | 2275 |
|                | 55/45/20 °C | 110       | 366  | 485  | 670  | 185    | 567  | 716  | 1034 | 246    | 729  | 940  | 1285 |
| 2 fans         |             |           |      |      |      |        |      |      |      |        |      |      |      |
| 1800           | 90/70/20 °C | 308       | 1320 | 1736 | 2419 | 548    | 1969 | 2602 | 3748 | 744    | 2547 | 3411 | 4720 |
|                | 75/65/20 °C | 248       | 1122 | 1595 | 1495 | 435    | 1683 | 2344 | 3418 | 598    | 2161 | 3143 | 4310 |
|                | 55/45/20 °C | 118       | 613  | 848  | 1210 | 202    | 924  | 1221 | 184  | 275    | 1182 | 1607 | 2279 |
| 2000           | 90/70/20 °C | 361       | 1371 | 1789 | 2473 | 642    | 2056 | 2688 | 3832 | 869    | 2654 | 3523 | 4835 |
|                | 75/65/20 °C | 291       | 1166 | 1541 | 2137 | 509    | 1758 | 2419 | 3499 | 698    | 2259 | 3249 | 4417 |
|                | 55/45/20 °C | 139       | 637  | 873  | 1236 | 237    | 965  | 1260 | 1885 | 321    | 1235 | 1661 | 2335 |
| 2200           | 90/70/20 °C | 415       | 1423 | 1842 | 2519 | 734    | 2137 | 2771 | 3915 | 979    | 2775 | 3632 | 4945 |
|                | 75/65/20 °C | 335       | 1210 | 1586 | 2182 | 582    | 1832 | 2493 | 3579 | 787    | 2357 | 3355 | 4523 |
|                | 55/45/20 °C | 160       | 662  | 899  | 1263 | 270    | 1005 | 1299 | 1928 | 362    | 1289 | 1716 | 2392 |
| 2400           | 90/70/20 °C | 469       | 1474 | 1893 | 2573 | 824    | 2226 | 2863 | 4006 | 1101   | 2887 | 3748 | 5057 |
|                | 75/65/20 °C | 378       | 1253 | 1630 | 2226 | 654    | 1907 | 2436 | 3469 | 885    | 2446 | 3198 | 4335 |
|                | 55/45/20 °C | 180       | 685  | 924  | 1288 | 304    | 1046 | 1346 | 1973 | 407    | 1338 | 1770 | 2449 |
| 3 fans         |             |           |      |      |      |        |      |      |      |        |      |      |      |
| 2600           | 90/70/20 °C | 490       | 2004 | 2631 | 3654 | 871    | 2997 | 3953 | 5657 | 1175   | 3878 | 5172 | 7140 |
|                | 75/65/20 °C | 395       | 1704 | 2266 | 3159 | 691    | 2562 | 3555 | 5167 | 944    | 3290 | 4766 | 6517 |
|                | 55/45/20 °C | 188       | 932  | 1284 | 1828 | 321    | 1406 | 1852 | 2784 | 434    | 1799 | 2437 | 3446 |
| 2800           | 90/70/20 °C | 542       | 2056 | 2684 | 3707 | 963    | 3083 | 4030 | 5752 | 1292   | 3992 | 5284 | 7252 |
|                | 75/65/20 °C | 437       | 1771 | 2311 | 3204 | 764    | 2636 | 3634 | 5247 | 1038   | 3388 | 4872 | 6623 |
|                | 55/45/20 °C | 208       | 969  | 1310 | 1854 | 355    | 1446 | 1894 | 2827 | 478    | 1853 | 2492 | 3502 |
| 3000           | 90/70/20 °C | 596       | 2115 | 2735 | 3760 | 1053   | 3170 | 4115 | 5844 | 1413   | 4106 | 5397 | 7360 |
|                | 75/65/20 °C | 481       | 1838 | 2355 | 3250 | 835    | 2710 | 3710 | 5328 | 1135   | 3485 | 4979 | 6730 |
|                | 55/45/20 °C | 229       | 1005 | 1335 | 1880 | 388    | 1487 | 1935 | 2871 | 522    | 1906 | 2546 | 3559 |

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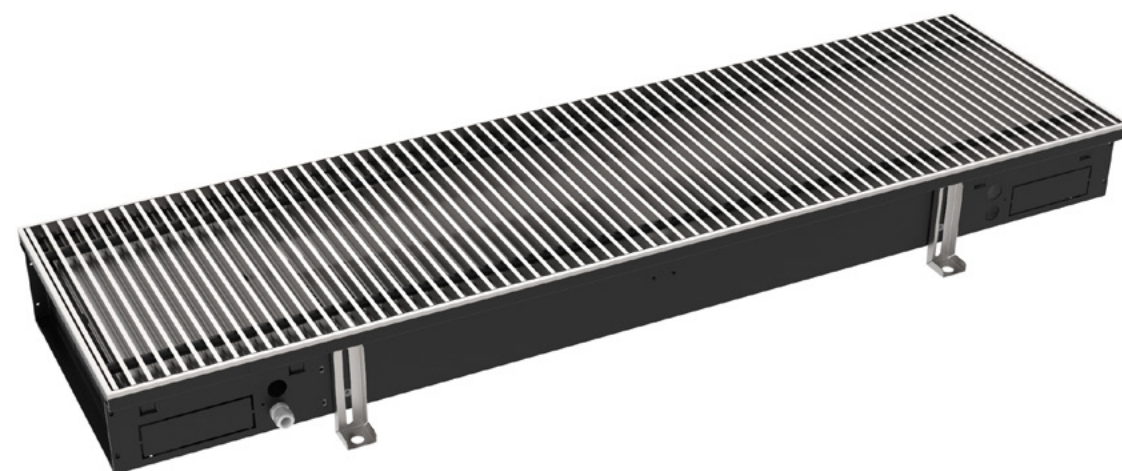
HEAT OUTPUT PKF-110

Heat output [W] - PKF-140

| Length<br>[mm] | LPHW        | 1-row     |      |      |      | 2-rows |      |      |      | 3-rows |      |      |      |
|----------------|-------------|-----------|------|------|------|--------|------|------|------|--------|------|------|------|
|                |             | Fan speed |      |      |      |        |      |      |      |        |      |      |      |
|                |             | OFF       | MIN  | MED  | MAX  | OFF    | MIN  | MED  | MAX  | OFF    | MIN  | MED  | MAX  |
| 1 fan          |             |           |      |      |      |        |      |      |      |        |      |      |      |
| 1200           | 90/70/20 °C | 257       | 1042 | 1347 | 1834 | 420    | 1378 | 1772 | 2400 | 668    | 1714 | 2163 | 2884 |
|                | 75/65/20 °C | 207       | 881  | 1162 | 1568 | 334    | 1161 | 1509 | 2059 | 526    | 1431 | 1836 | 2479 |
|                | 55/45/20 °C | 99        | 482  | 669  | 880  | 155    | 626  | 839  | 1162 | 231    | 748  | 1010 | 1399 |
| 1400           | 90/70/20 °C | 317       | 1097 | 1400 | 1896 | 515    | 1467 | 1864 | 2492 | 810    | 1847 | 2297 | 3015 |
|                | 75/65/20 °C | 256       | 928  | 1208 | 1621 | 409    | 1236 | 1588 | 2138 | 638    | 1542 | 1949 | 2592 |
|                | 55/45/20 °C | 122       | 508  | 696  | 910  | 190    | 666  | 883  | 1207 | 280    | 806  | 1072 | 1463 |
| 1600           | 90/70/20 °C | 370       | 1157 | 1458 | 1944 | 610    | 1556 | 1951 | 2578 | 941    | 1984 | 2417 | 3145 |
|                | 75/65/20 °C | 298       | 978  | 1258 | 1662 | 485    | 1311 | 1662 | 2212 | 741    | 1656 | 2051 | 2703 |
|                | 55/45/20 °C | 142       | 535  | 725  | 933  | 225    | 707  | 924  | 1248 | 326    | 866  | 1128 | 1525 |
| 2 fans         |             |           |      |      |      |        |      |      |      |        |      |      |      |
| 1800           | 90/70/20 °C | 445       | 1606 | 2077 | 2803 | 725    | 2151 | 2748 | 3686 | 1129   | 2703 | 3376 | 4470 |
|                | 75/65/20 °C | 359       | 1358 | 1792 | 2396 | 576    | 1812 | 2341 | 3163 | 889    | 2257 | 2865 | 3842 |
|                | 55/45/20 °C | 171       | 743  | 1032 | 1345 | 268    | 997  | 1301 | 1785 | 391    | 1180 | 1576 | 2168 |
| 2000           | 90/70/20 °C | 521       | 2106 | 2694 | 3672 | 839    | 2747 | 3527 | 4789 | 1327   | 3420 | 4211 | 5435 |
|                | 75/65/20 °C | 420       | 1781 | 2324 | 3139 | 667    | 2314 | 3004 | 4109 | 1045   | 2855 | 3659 | 4672 |
|                | 55/45/20 °C | 200       | 975  | 1339 | 1762 | 310    | 1247 | 1669 | 2319 | 459    | 1492 | 2013 | 2637 |
| 2200           | 90/70/20 °C | 578       | 2152 | 2746 | 3722 | 925    | 2838 | 3629 | 4876 | 1470   | 3559 | 4468 | 5916 |
|                | 75/65/20 °C | 466       | 1820 | 2369 | 3282 | 735    | 2391 | 3091 | 4184 | 1158   | 2971 | 3792 | 5085 |
|                | 55/45/20 °C | 222       | 996  | 1364 | 1787 | 342    | 1289 | 1718 | 2361 | 509    | 1553 | 2086 | 2870 |
| 2400           | 90/70/20 °C | 631       | 2206 | 2796 | 3783 | 1029   | 2929 | 3716 | 4974 | 1610   | 3695 | 4588 | 6044 |
|                | 75/65/20 °C | 509       | 1865 | 2412 | 3234 | 818    | 2468 | 3165 | 4268 | 1268   | 3085 | 3894 | 5195 |
|                | 55/45/20 °C | 243       | 1021 | 1389 | 1816 | 380    | 1330 | 1759 | 2409 | 557    | 1613 | 2142 | 2932 |
| 3 fans         |             |           |      |      |      |        |      |      |      |        |      |      |      |
| 2600           | 90/70/20 °C | 708       | 2679 | 3421 | 4659 | 1134   | 3515 | 4515 | 6083 | 1801   | 4414 | 5536 | 7362 |
|                | 75/65/20 °C | 571       | 2265 | 2951 | 3983 | 901    | 2961 | 3846 | 5219 | 1418   | 3685 | 4698 | 6328 |
|                | 55/45/20 °C | 272       | 1240 | 1700 | 2236 | 419    | 1596 | 2137 | 2945 | 623    | 1926 | 2584 | 3571 |
| 2800           | 90/70/20 °C | 782       | 3156 | 4040 | 5522 | 1254   | 4116 | 5297 | 7192 | 1978   | 5128 | 6487 | 8681 |
|                | 75/65/20 °C | 631       | 2669 | 3485 | 4721 | 997    | 3468 | 4512 | 6171 | 1558   | 4281 | 5505 | 7462 |
|                | 55/45/20 °C | 301       | 1461 | 2007 | 2651 | 463    | 1869 | 2508 | 3482 | 685    | 2238 | 3028 | 4211 |
| 3000           | 90/70/20 °C | 836       | 3191 | 4099 | 5572 | 1053   | 3170 | 4115 | 5844 | 2118   | 5273 | 6601 | 8809 |
|                | 75/65/20 °C | 674       | 2696 | 3536 | 4763 | 1078   | 3546 | 4588 | 6239 | 1668   | 4402 | 5602 | 7572 |
|                | 55/45/20 °C | 321       | 1477 | 2037 | 2674 | 1359   | 4209 | 5386 | 7272 | 733    | 2301 | 3082 | 4273 |

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HEAT OUTPUT PKF-140

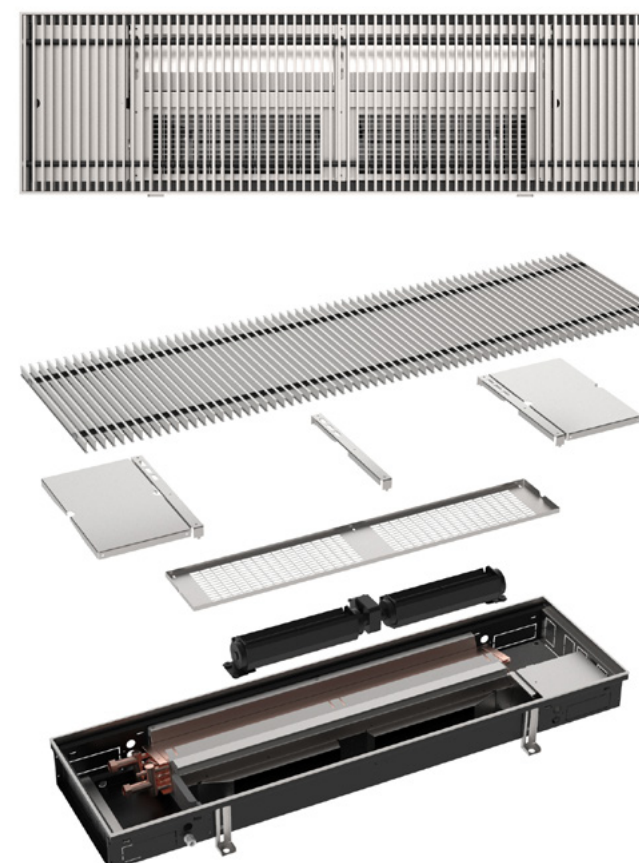


## PKH Floor convector

2-pipe system for heating or cooling.  
Condensate drain included.

Length: 1200 to 3000 mm  
Height: 130 or 150 mm  
Heat output: 1105 - 13006 W  
Cooling output: 406 - 4757 W

Fans / Controls  
230 V AC - 3 speed transformer  
230 V AC - control 0-10 V  
24 V EC - control 0-10 V



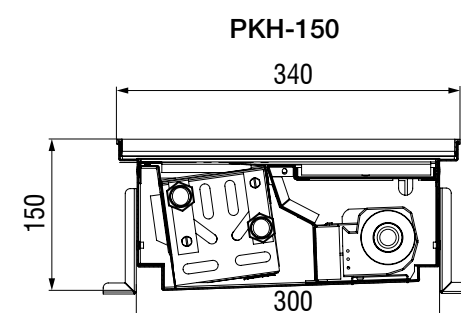
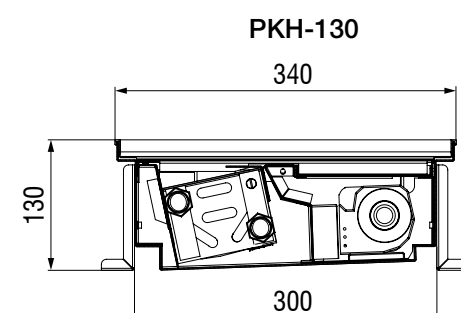
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FLOOR CONVECTOR PKH

AIR TREATMENT

### DIMENSIONS



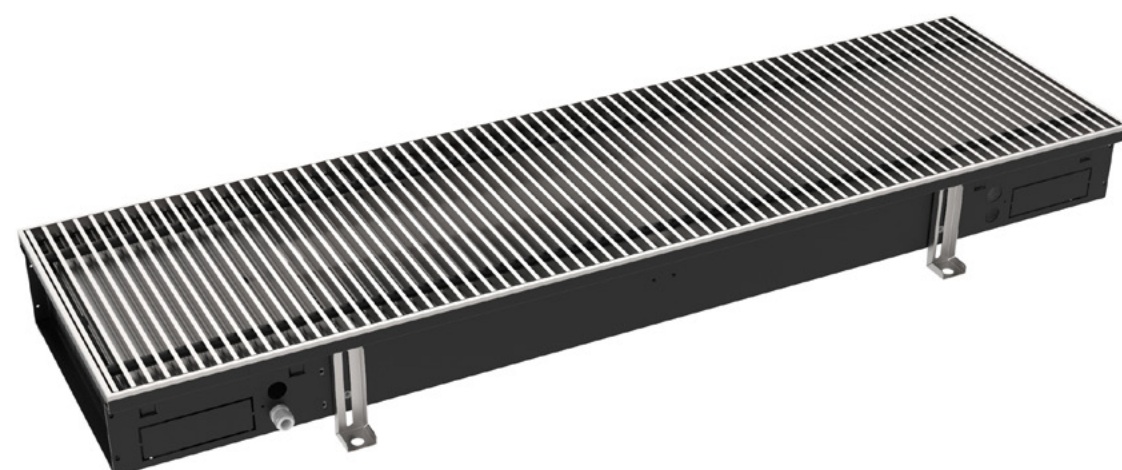
\*water connections R1/2"

Heat output [W] - PKH

|                      |     | PKH-130     |             |             |            |             |             | PKH-150              |             |             |            |             |             |
|----------------------|-----|-------------|-------------|-------------|------------|-------------|-------------|----------------------|-------------|-------------|------------|-------------|-------------|
|                      |     | LPHW        |             |             |            | LPCW        |             | LPHW                 |             |             |            | LPCW        |             |
|                      |     | 90/70/20 °C | 75/65/20 °C | 55/45/20 °C | 6/12/26 °C | 10/15/26 °C | 12/16/26 °C | 90/70/20 °C          | 75/65/20 °C | 55/45/20 °C | 6/12/26 °C | 10/15/26 °C | 12/16/26 °C |
| L = 1200 mm (1 fan)  |     |             |             |             |            |             |             | L = 1200 mm (1 fan)  |             |             |            |             |             |
| Fan speed            | MIN | 1706        | 1501        | 852         | 496        | 366         | 321         | 2662                 | 2251        | 1355        | 721        | 516         | 461         |
|                      | MED | 2358        | 2063        | 1154        | 534        | 459         | 409         | 3521                 | 2933        | 1759        | 921        | 653         | 632         |
|                      | MAX | 3377        | 2926        | 1650        | 760        | 571         | 527         | 4474                 | 3849        | 2287        | 1205       | 900         | 816         |
| L = 2000 mm (2 fans) |     |             |             |             |            |             |             | L = 2000 mm (2 fans) |             |             |            |             |             |
| Fan speed            | MIN | 3446        | 3032        | 1721        | 1002       | 739         | 648         | 5377                 | 4547        | 2737        | 1456       | 1042        | 931         |
|                      | MED | 4763        | 4167        | 2331        | 1079       | 927         | 826         | 7112                 | 5925        | 3553        | 1860       | 1319        | 1277        |
|                      | MAX | 6754        | 5852        | 3300        | 1657       | 1245        | 1149        | 8948                 | 7698        | 4574        | 2627       | 1962        | 1779        |
| L = 2600 mm (3 fans) |     |             |             |             |            |             |             | L = 2700 mm (3 fans) |             |             |            |             |             |
| Fan speed            | MIN | 4606        | 4053        | 2300        | 1339       | 988         | 867         | 7187                 | 6078        | 3659        | 1947       | 1393        | 1245        |
|                      | MED | 6367        | 5570        | 3116        | 1442       | 1239        | 1104        | 9507                 | 7919        | 4749        | 2487       | 1763        | 1706        |
|                      | MAX | 9118        | 7900        | 4455        | 2052       | 1542        | 1423        | 12080                | 10392       | 6175        | 3254       | 2430        | 2203        |
| L = 3000 mm (3 fans) |     |             |             |             |            |             |             | L = 3000 mm (3 fans) |             |             |            |             |             |
| Fan speed            | MIN | 4975        | 4377        | 2484        | 1446       | 1067        | 936         | 7762                 | 6564        | 3951        | 2102       | 1505        | 1344        |
|                      | MED | 6876        | 6016        | 3365        | 1557       | 1338        | 1193        | 10267                | 8553        | 5129        | 2686       | 1904        | 1843        |
|                      | MAX | 9847        | 8532        | 4811        | 2216       | 1665        | 1537        | 13046                | 11224       | 6669        | 3514       | 2624        | 2379        |

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HEAT OUTPUT PKH

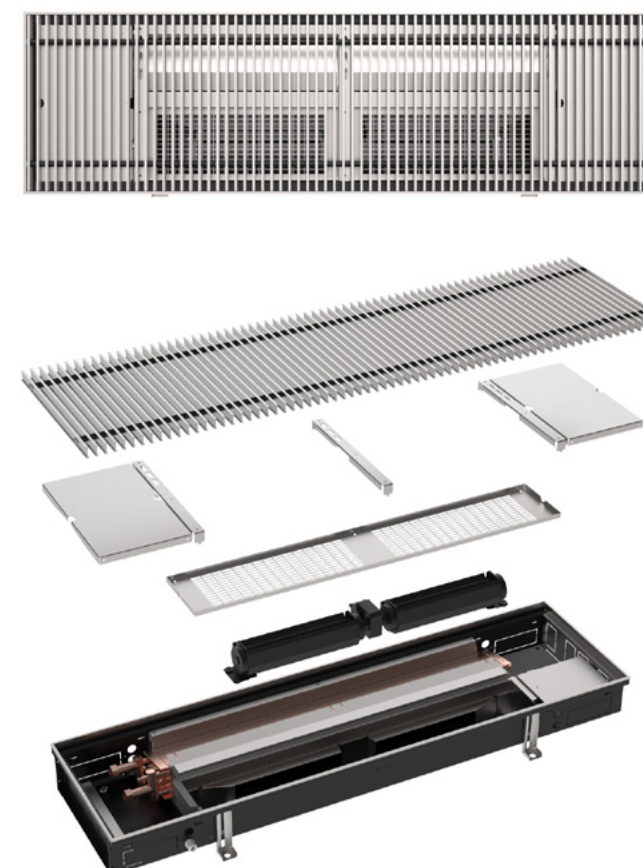


## PKH-4C Floor convector

4-pipe system for heating and/or cooling. Condensate drain included.

Length: 1200 to 3000 mm  
Height: 130 or 150 mm  
Heat output: 941 - 9181 W  
Cooling output: 440 - 4439 W

Fans / Controls  
230 V AC - 3 speed transformer  
230 V AC - control 0-10 V  
24 V EC - control 0-10 V



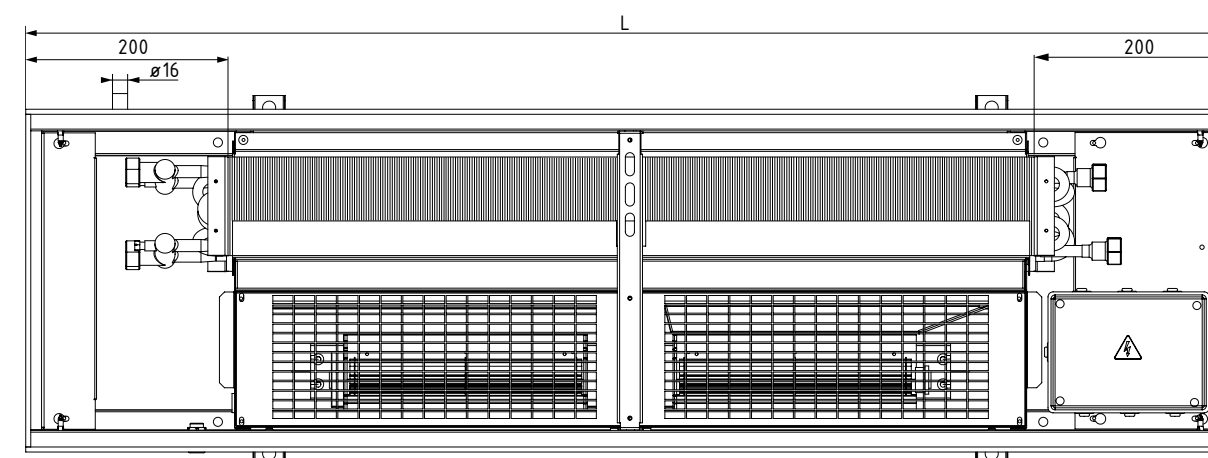
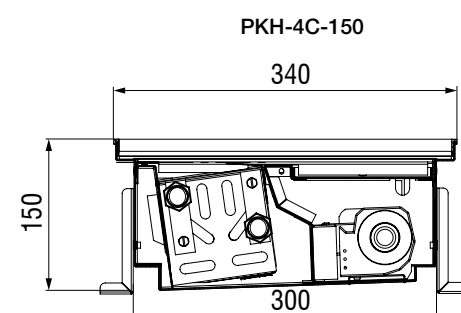
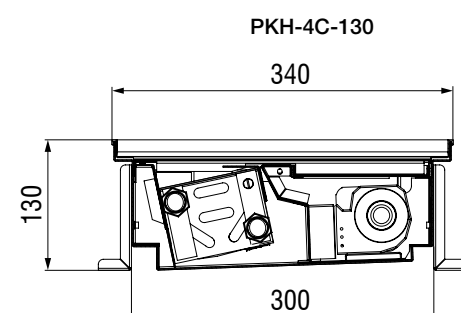
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FLOOR CONVECTOR PKH-4C

AIR TREATMENT

### DIMENSIONS



\*water connections R1/2"

Heat output [W] - PKH-4C

|                      |     | PKH-4C-130           |             |             |            |             |             | PKH-4C-150  |             |             |            |             |             |
|----------------------|-----|----------------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|
|                      |     | LPHW                 |             |             | LPCW       |             |             | LPHW        |             |             | LPCW       |             |             |
|                      |     | 90/70/20 °C          | 75/65/20 °C | 55/45/20 °C | 6/12/26 °C | 10/15/26 °C | 12/16/26 °C | 90/70/20 °C | 75/65/20 °C | 55/45/20 °C | 6/12/26 °C | 10/15/26 °C | 12/16/26 °C |
| L = 1200 mm (1 fan)  |     | L = 1200 mm (1 fans) |             |             |            |             |             |             |             |             |            |             |             |
| Fan speed            | MIN | 1433                 | 1296        | 723         | 474        | 325         | 281         | 1739        | 1586        | 613         | 652        | 449         | 393         |
|                      | MED | 1915                 | 1620        | 933         | 528        | 403         | 340         | 2199        | 1906        | 865         | 779        | 551         | 487         |
|                      | MAX | 2401                 | 2100        | 1162        | 661        | 489         | 413         | 2600        | 2287        | 1133        | 1045       | 720         | 670         |
| L = 2000 mm (2 fans) |     | L = 2000 mm (2 fans) |             |             |            |             |             |             |             |             |            |             |             |
| Fan speed            | MIN | 2895                 | 2618        | 1460        | 957        | 657         | 568         | 3513        | 3204        | 1238        | 1317       | 907         | 794         |
|                      | MED | 3868                 | 3272        | 1885        | 1067       | 814         | 687         | 4442        | 3850        | 1747        | 1574       | 1113        | 984         |
|                      | MAX | 4802                 | 4200        | 2324        | 1441       | 1066        | 900         | 5200        | 4574        | 2266        | 2278       | 1570        | 1461        |
| L = 2600 mm (3 fans) |     | L = 2700 mm (3 fans) |             |             |            |             |             |             |             |             |            |             |             |
| Fan speed            | MIN | 3869                 | 3499        | 1952        | 1280       | 878         | 759         | 4695        | 4282        | 1655        | 1760       | 1212        | 1061        |
|                      | MED | 5171                 | 4374        | 2519        | 1426       | 1088        | 918         | 5937        | 5146        | 2336        | 2103       | 1488        | 1315        |
|                      | MAX | 6483                 | 5670        | 3137        | 1785       | 1320        | 1115        | 7020        | 6175        | 3059        | 2822       | 1944        | 1809        |
| L = 3000 mm (3 fans) |     | L = 3000 mm (3 fans) |             |             |            |             |             |             |             |             |            |             |             |
| Fan speed            | MIN | 4179                 | 3779        | 2108        | 1382       | 948         | 819         | 5071        | 4625        | 1788        | 1901       | 1309        | 1146        |
|                      | MED | 5584                 | 4724        | 2721        | 1540       | 1175        | 991         | 6412        | 5558        | 2522        | 2272       | 1607        | 1420        |
|                      | MAX | 7001                 | 6124        | 3388        | 1927       | 1426        | 1204        | 7582        | 6669        | 3304        | 3047       | 2100        | 1954        |

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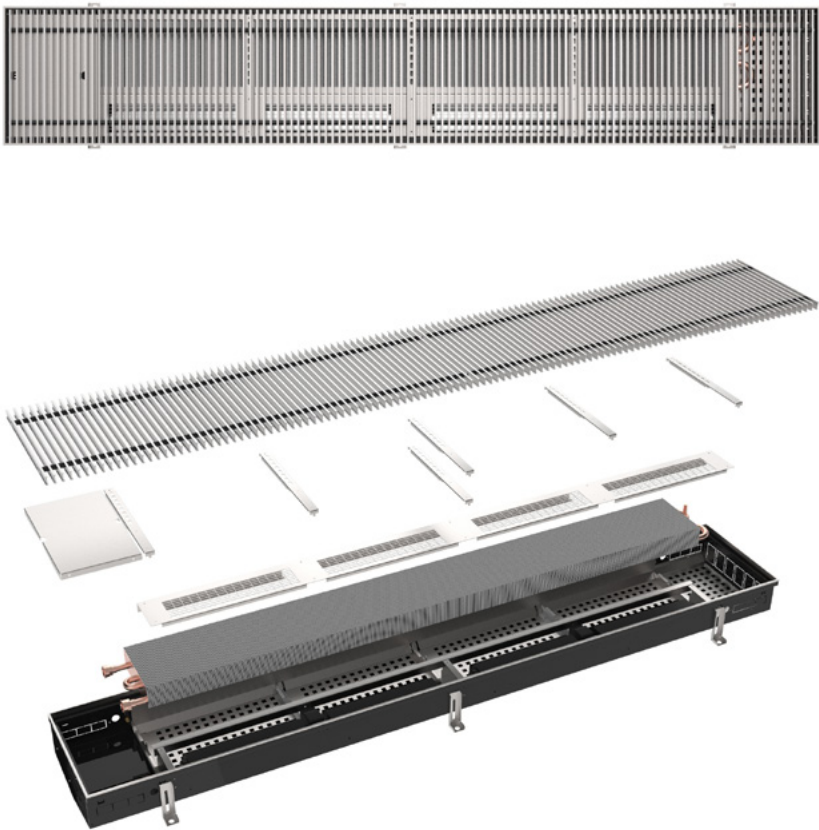
HEAT OUTPUT PKH-4C



## PKV Floor convector

Version for heating of damp areas (swimming pools, winter gardens etc.). Natural or forced convection. Special 12V crossflow fans (power supply unit has to be provided outside of the floor convector). Unique casing design with water drain and dividing rack.

Length: 1000 to 3000 mm  
Height: PKV-N 110, 140 or 170 mm  
          PKV-F 140 or 170 mm  
Heat exchanger: 1-row, 2-rows, 3-rows  
Fans / Controls: 12 V AC



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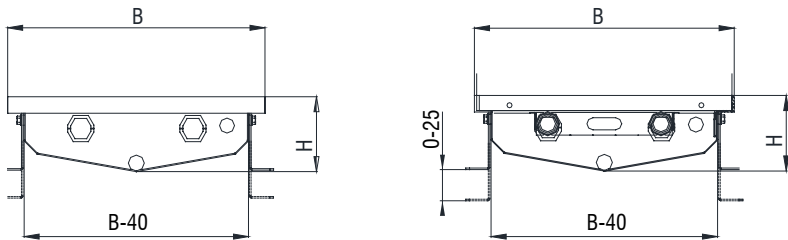


### FLOOR CONVECTOR PKV

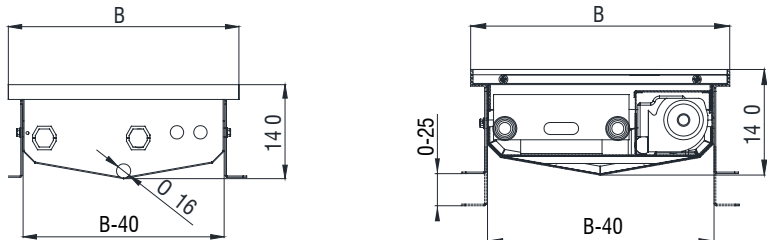
### AIR TREATMENT

#### DIMENSIONS

PKV-N (Natural convection)



PKV-F (Forced convection)



| Heat exchanger          | 1-ROW             | 2-ROWS            | 3-ROWS            |
|-------------------------|-------------------|-------------------|-------------------|
| Casing dimension B (mm) | 250               | 340               | 440               |
| Casing dimension H (mm) | 110<br>140<br>170 | 110<br>140<br>170 | 110<br>140<br>170 |

| Heat exchanger          | 1-ROW      | 2-ROWS     | 3-ROWS     |
|-------------------------|------------|------------|------------|
| Casing dimension B (mm) | 250        | 340        | 440        |
| Casing dimension H (mm) | 140<br>170 | 140<br>170 | 140<br>170 |

Accessories

| Image | Description                                          | Ordering key        | Suitable for     |
|-------|------------------------------------------------------|---------------------|------------------|
|       | Roll-up aluminium grille (anodized in natural color) | QL-501-1-1000-R     | All models 1-row |
|       |                                                      | QL-501-2-1000-R     | All models 2-row |
|       |                                                      | QL-501-3-1000-R     | All models 3-row |
|       | Roll-up al. grille - anodized light bronze           | QL-502-1-1000-R-A-1 | All models 1-row |
|       |                                                      | QL-502-2-1000-R-A-1 | All models 2-row |
|       |                                                      | QL-502-3-1000-R-A-1 | All models 3-row |
|       | Roll-up al. grille - anodized bronze                 | QL-502-1-1000-R-A-2 | All models 1-row |
|       |                                                      | QL-502-2-1000-R-A-2 | All models 2-row |
|       |                                                      | QL-502-3-1000-R-A-2 | All models 3-row |
|       | Roll-up al. grille - anodized light brown            | QL-502-1-1000-R-A-3 | All models 1-row |
|       |                                                      | QL-502-2-1000-R-A-3 | All models 2-row |
|       |                                                      | QL-502-3-1000-R-A-3 | All models 3-row |
|       | Roll-up al. grille - anodized brown                  | QL-502-1-1000-R-A-4 | All models 1-row |
|       |                                                      | QL-502-2-1000-R-A-4 | All models 2-row |
|       |                                                      | QL-502-3-1000-R-A-4 | All models 3-row |
|       | Roll-up al. grille - anodized black                  | QL-502-1-1000-R-A-5 | All models 1-row |
|       |                                                      | QL-502-2-1000-R-A-5 | All models 2-row |
|       |                                                      | QL-502-3-1000-R-A-5 | All models 3-row |
|       | Roll-up al. grille - RAL...                          | QL-503-1-1000-R-RAL | All models 1-row |
|       |                                                      | QL-503-2-1000-R-RAL | All models 2-row |
|       |                                                      | QL-503-3-1000-R-RAL | All models 3-row |
|       | Linear aluminium grille (anodized in natural color)  | QL-504-1-1000-F     | All models 1-row |
|       |                                                      | QL-504-2-1000-F     | All models 2-row |
|       |                                                      | QL-504-3-1000-F     | All models 3-row |
|       | Linear al. grille - anodized light bronze            | QL-505-1-1000-F-A-1 | All models 1-row |
|       |                                                      | QL-505-2-1000-F-A-1 | All models 2-row |
|       |                                                      | QL-505-3-1000-F-A-1 | All models 3-row |
|       | Linear al. grille - anodized bronze                  | QL-505-1-1000-F-A-2 | All models 1-row |
|       |                                                      | QL-505-2-1000-F-A-2 | All models 2-row |
|       |                                                      | QL-505-3-1000-F-A-2 | All models 3-row |
|       | Linear al. grille - anodized light brown             | QL-505-1-1000-F-A-3 | All models 1-row |
|       |                                                      | QL-505-2-1000-F-A-3 | All models 2-row |
|       |                                                      | QL-505-3-1000-F-A-3 | All models 3-row |
|       | Linear al. grille - anodized brown                   | QL-505-1-1000-F-A-4 | All models 1-row |
|       |                                                      | QL-505-2-1000-F-A-4 | All models 2-row |
|       |                                                      | QL-505-3-1000-F-A-4 | All models 3-row |
|       | Linear al. grille - anodized black                   | QL-505-1-1000-F-A-5 | All models 1-row |
|       |                                                      | QL-505-2-1000-F-A-5 | All models 2-row |
|       |                                                      | QL-505-3-1000-F-A-5 | All models 3-row |
|       | Linear al. grille - RAL...                           | QL-506-1-1000-F-RAL | All models 1-row |
|       |                                                      | QL-506-2-1000-F-RAL | All models 2-row |
|       |                                                      | QL-506-3-1000-F-RAL | All models 3-row |
|       | Roll-up grille - beech                               | QL-507-1-1000-R     | All models 1-row |
|       |                                                      | QL-507-2-1000-R     | All models 2-row |
|       |                                                      | QL-507-3-1000-R     | All models 3-row |
|       | Roll-up grille - oak                                 | QL-508-1-1000-R     | All models 1-row |
|       |                                                      | QL-508-2-1000-R     | All models 2-row |
|       |                                                      | QL-508-3-1000-R     | All models 3-row |



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ACCESSORIES

Accessories

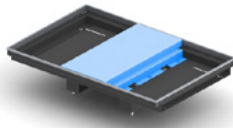
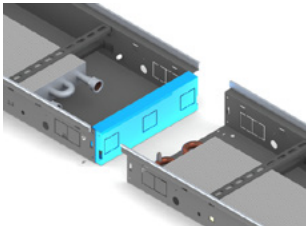
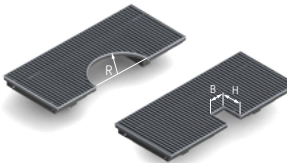
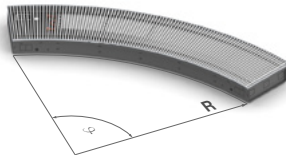
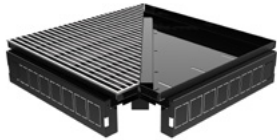
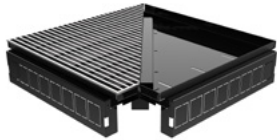
| Image                                                                               | Description                         | Ordering key      |                    | Suitable for |  |
|-------------------------------------------------------------------------------------|-------------------------------------|-------------------|--------------------|--------------|--|
|    | Roll-up grille - cherry             | QL-509-1-1000-R   | All models         | 1-row        |  |
|                                                                                     |                                     | QL-509-2-1000-R   | All models         | 2-row        |  |
|                                                                                     |                                     | QL-509-3-1000-R   | All models         | 3-row        |  |
|    | Roll-up grille - inox               | QL-510-1-1000-R   | All models         | 1-row        |  |
|                                                                                     |                                     | QL-510-2-1000-R   | All models         | 2-row        |  |
|                                                                                     |                                     | QL-510-3-1000-R   | All models         | 3-row        |  |
|    | Optional F frame                    | QL-511            | All models         |              |  |
|  | Inactive section set<br>(L=250 mm)  | QL-512-70-1-250   | PKN 70             | 1-row        |  |
|                                                                                     |                                     | QL-512-70-2-250   |                    | 2-row        |  |
|                                                                                     |                                     | QL-512-70-3-250   |                    | 3-row        |  |
|                                                                                     |                                     | QL-512-110-1-250  | PKN 110<br>PKF 110 | 1-row        |  |
|                                                                                     |                                     | QL-512-110-2-250  |                    | 2-row        |  |
|                                                                                     |                                     | QL-512-110-3-250  |                    | 3-row        |  |
|                                                                                     |                                     | QL-512-130-2-250  | PKH 130            | 2-row        |  |
|                                                                                     |                                     | QL-512-140-1-250  | PKN 140<br>PKF 140 | 1-row        |  |
|                                                                                     |                                     | QL-512-140-2-250  |                    | 2-row        |  |
|                                                                                     |                                     | QL-512-140-3-250  |                    | 3-row        |  |
|                                                                                     | Inactive section set<br>(L=500 mm)  | QL-512-150-2-250  | PKH 150            | 2-row        |  |
|                                                                                     |                                     | QL-513-70-1-500   | PKN 70             | 1-row        |  |
|                                                                                     |                                     | QL-513-70-2-500   |                    | 2-row        |  |
|                                                                                     |                                     | QL-513-70-3-500   |                    | 3-row        |  |
|                                                                                     |                                     | QL-513-110-1-500  | PKN 110<br>PKF 110 | 1-row        |  |
|                                                                                     |                                     | QL-513-110-2-500  |                    | 2-row        |  |
|                                                                                     |                                     | QL-513-110-3-500  |                    | 3-row        |  |
|                                                                                     |                                     | QL-513-130-2-500  | PKH 130            | 2-row        |  |
|                                                                                     |                                     | QL-513-140-1-500  | PKN 140<br>PKF 140 | 1-row        |  |
|                                                                                     |                                     | QL-513-140-2-500  |                    | 2-row        |  |
|                                                                                     |                                     | QL-513-140-3-500  |                    | 3-row        |  |
|                                                                                     | Inactive section set<br>(L=1000 mm) | QL-513-150-2-500  | PKH 150            | 2-row        |  |
|                                                                                     |                                     | QL-514-70-1-1000  | PKN 70             | 1-row        |  |
|                                                                                     |                                     | QL-514-70-2-1000  |                    | 2-row        |  |
|                                                                                     |                                     | QL-514-70-3-1000  |                    | 3-row        |  |
|                                                                                     |                                     | QL-514-110-1-1000 | PKN 110<br>PKF 110 | 1-row        |  |
|                                                                                     |                                     | QL-514-110-2-1000 |                    | 2-row        |  |
|                                                                                     |                                     | QL-514-110-3-1000 |                    | 3-row        |  |
|                                                                                     |                                     | QL-514-130-2-1000 | PKH 130            | 2-row        |  |
|                                                                                     |                                     | QL-514-140-1-1000 | PKN 140<br>PKF 140 | 1-row        |  |
|                                                                                     |                                     | QL-514-140-2-1000 |                    | 2-row        |  |
|                                                                                     |                                     | QL-514-140-3-1000 |                    | 3-row        |  |
|                                                                                     |                                     | QL-514-150-2-1000 | PKH 150            | 2-row        |  |



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ACCESSORIES

Accessories

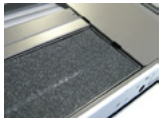
| Image                                                                               | Description                          | Ordering key      | Suitable for                |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------|-----------------------------|
|    | Load bearing cover                   | QL-515-1          | 1-row                       |
|                                                                                     |                                      | QL-515-2          | All models<br>2-row         |
|                                                                                     |                                      | QL-515-3          | 3-row                       |
|    | Casing connection piece              | QL-516-70-1       | 1-row                       |
|                                                                                     |                                      | QL-516-70-2       | PKN 70<br>2-row             |
|                                                                                     |                                      | QL-516-70-3       | 3-row                       |
|                                                                                     |                                      | QL-516-110-1      | 1-row                       |
|                                                                                     |                                      | QL-516-110-2      | PKN 110<br>PKF 110<br>2-row |
|                                                                                     |                                      | QL-516-110-3      | 3-row                       |
|                                                                                     |                                      | QL-516-130-2      | PKH 130<br>2-row            |
|                                                                                     |                                      | QL-516-140-1      | 1-row                       |
|                                                                                     |                                      | QL-516-140-2      | PKN 140<br>PKF 140<br>2-row |
|                                                                                     |                                      | QL-516-140-3      | 3-row                       |
|    | Cut out section                      | QL-516-150-2      | PKH 150<br>2-row            |
|                                                                                     |                                      | QL-517-70-1       | 1-row                       |
|                                                                                     |                                      | QL-517-70-2       | PKN 70<br>2-row             |
|                                                                                     |                                      | QL-517-70-3       | 3-row                       |
|                                                                                     |                                      | QL-517-110-1      | 1-row                       |
|                                                                                     |                                      | QL-517-110-2      | PKN 110<br>PKF 110<br>2-row |
|                                                                                     |                                      | QL-517-110-3      | 3-row                       |
|                                                                                     |                                      | QL-517-130-2      | PKH 130<br>2-row            |
|                                                                                     |                                      | QL-517-140-1      | 1-row                       |
|                                                                                     |                                      | QL-517-140-2      | PKN 140<br>PKF 140<br>2-row |
|                                                                                     |                                      | QL-517-140-3      | 3-row                       |
|                                                                                     |                                      | QL-517-150-2      | PKH 150<br>2-row            |
|  | Curved section                       | QL-518            | All models                  |
|  | Corner section 90°<br>Roll-up grille | QL-519-70-1-90-R  | 1-row                       |
|                                                                                     |                                      | QL-519-70-2-90-R  | PKN 70<br>2-row             |
|                                                                                     |                                      | QL-519-70-3-90-R  | 3-row                       |
|                                                                                     |                                      | QL-519-110-1-90-R | 1-row                       |
|                                                                                     |                                      | QL-519-110-2-90-R | PKN 110<br>PKF 110<br>2-row |
|                                                                                     |                                      | QL-519-110-3-90-R | 3-row                       |
|                                                                                     |                                      | QL-519-130-2-90-R | PKH 130<br>2-row            |
|                                                                                     |                                      | QL-519-140-1-90-R | 1-row                       |
|                                                                                     |                                      | QL-519-140-2-90-R | PKN 140<br>PKF 140<br>2-row |
|                                                                                     |                                      | QL-519-140-3-90-R | 3-row                       |
|  | Corner section 90°<br>Linear grille  | QL-519-150-2-90-R | PKH 150<br>2-row            |
|                                                                                     |                                      | QL-520-70-1-90-F  | 1-row                       |
|                                                                                     |                                      | QL-520-70-2-90-F  | PKN 70<br>2-row             |
|                                                                                     |                                      | QL-520-70-3-90-F  | 3-row                       |
|                                                                                     |                                      | QL-520-110-1-90-F | 1-row                       |
|                                                                                     |                                      | QL-520-110-2-90-F | PKN 110<br>PKF 110<br>2-row |
|                                                                                     |                                      | QL-520-110-3-90-F | 3-row                       |
|                                                                                     |                                      | QL-520-130-2-90-F | PKH 130<br>2-row            |
|                                                                                     |                                      | QL-520-140-1-90-F | 1-row                       |
|                                                                                     |                                      | QL-520-140-2-90-F | PKN 140<br>PKF 140<br>2-row |
|                                                                                     |                                      | QL-520-140-3-90-F | 3-row                       |
|                                                                                     |                                      | QL-520-150-2-90-F | PKH 150<br>2-row            |



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Accessories

| Image                                                                               | Description                                      | Ordering key   | Suitable for                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------|----------------|-------------------------------|
|    | Filter G2                                        | QL-521         | PKF, PKH, PKH-4C              |
|                                                                                     | External casing insulation                       | QL-522         | All models                    |
|    | Control box AT6                                  | UA-AT6         | PKF, PKH, PKH-4C<br>(230V AC) |
|    | EC Slave box                                     | UA-EC-CB       | PKF, PKH, PKH-4C<br>(24V EC)  |
|    | Control box AT6-Relay                            | UA-AT6-RB      | PKF, PKH, PKH-4C<br>(230V AC) |
|    | Silent drive (230V AC; 0-10V)                    | UA-SMD         | PKF, PKH, PKH-4C<br>(230V AC) |
|    | Transformer terminal box AC<br>230V-DC 24V-100 W | QL -595        | PKF, PKH, PKH-4C              |
|   | Transformer terminal box AC<br>230V-DC 24V-75 W  | QL -596        | PKF, PKH, PKH-4C              |
|  | Transformer terminal box AC<br>230V-DC 24V-50 W  | QL -597        | PKF, PKH, PKH-4C              |
|  | Room thermostat - wall                           | Siemens RAA 21 | PKN                           |
|  | Analog 3-step thermostat - wall                  | Siemens RAB 11 | PKF, PKH<br>(230V AC)         |
|  | Analog 3-step thermostat - wall                  | Siemens RAB 31 | PKH-4C<br>(230V AC)           |
|  | Digital thermostat                               | Thermokon LCF  | PKF, PKH                      |
|  | Digital thermostat - flush                       | RDF 600T       | PKF, PKH, PKH-4C<br>(230V AC) |
|  | Digital thermostat                               | RDG260T        | PKF, PKH, PKH-4C<br>(24V DC)  |



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Accessories

| Image                                                                               | Description                      | Ordering key      | Suitable for                  |
|-------------------------------------------------------------------------------------|----------------------------------|-------------------|-------------------------------|
|    | Frame for RDF thermostat         | Siemens RDF Frame | PKF, PKH, PKH-4C<br>(230V AC) |
|    | Remote control for RDG and RDF   | Siemens IRA 211   | PKF, PKH, PKH-4C<br>(230V AC) |
|    | Digital thermostat - wall        | Siemens RDG 100T  | PKF, PKH, PKH-4C<br>(230V AC) |
|    | Digital thermostat 0-10V - wall  | Seitron TFZ01M    | PKF, PKH, PKH-4C<br>(230V AC) |
|    | Service valve 1/2"               | SV-R-1/2"         | All models                    |
|                                                                                     | Service valve 3/4"               | SV-R-3/4"         |                               |
|    | Radiator valve straight 1/2"     | RV-R-1/2"         | All models                    |
|                                                                                     | Radiator valve angled 1/2"       | RV-K-1/2"         |                               |
|    | Thermostatic valve straight 1/2" | TSV-R-1/2"        | All models                    |
|                                                                                     | Thermostatic valve straight 3/4" | TSV-R-3/4"        |                               |
|   | Thermostatic valve angular 1/2"  | TSV-K-1/2"        | All models                    |
|                                                                                     | Thermostatic valve angular 3/4"  | TSV-K-3/4"        |                               |
|  | Lockshield valve straight 1/2"   | PR-R-1/2"         | All models                    |
|                                                                                     | Lockshield valve straight 3/4"   | PR-R-3/4"         |                               |
|  | Lockshield valve angled 1/2"     | PR-K-1/2"         | All models                    |
|                                                                                     | Lockshield valve angled 3/4"     | PR-K-3/4"         |                               |
|  | 3-way valve 1/2"                 | 3PV-1/2"          | All models                    |
|                                                                                     | 3-way valve 3/4"                 | 3PV-3/4"          |                               |
|  | 4-way valve 1/2"                 | 4PV-1/2"          | All models                    |
|                                                                                     | 4-way valve 3/4"                 | 4PV-3/4"          |                               |
|  | Balancing valve 1/2"             | BALV-1/2"         | All models                    |
|                                                                                     | Balancing valve 3/4"             | BALV-3/4"         |                               |
|  | Flexible couplings 1/2"          | FLEX-350-1/2"     | All models                    |
|                                                                                     | Flexible couplings 3/4"          | FLEX-350-3/4"     |                               |



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Accessories

| Image                                                                               | Description                                                  | Ordering key  | Suitable for |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------|--------------|
|    | Thermostat head                                              | TSG-W148      | All models   |
|    | Thermostat head - RAL 9016                                   | TSG-DRAX-W    | All models   |
|    | Thermostat head - RAL 9005                                   | TSG-DRAX-B    | All models   |
|    | Thermostat head - metal matte                                | TSG-DRAX-M    | All models   |
|    | Thermostat head - metal chrome                               | TSG-DRAX-CH   | All models   |
|    | Thermostat head - white chrome                               | TSG-DRAX-WCH  | All models   |
|    | Cable temperature sensor                                     | QAH-11.1      | All models   |
|   | Thermostat head with remote regulator                        | TSG-DRA5062   | All models   |
|                                                                                     |                                                              | TSG-DRA5065   |              |
|                                                                                     |                                                              | TSG-DRA5068   |              |
|  | Thermostat head with remote regulator and temperature sensor | TSG-W148SD    |              |
|                                                                                     | Thermal valve actuator 230V AC (NC)                          | ETV-230V-NC   | All models   |
|                                                                                     | Thermal valve actuator 24V AC (NC)                           | ETV-24V-NC    | All models   |
|                                                                                     | Thermal valve actuator 230V AC (NO)                          | ETV-230V-NO   | All models   |
|                                                                                     | Thermal valve actuator 24V AC (NO)                           | ETV-24V-NO    | All models   |
|  | Valve actuator 24V DC; 0-10V                                 | EMP-24V-K     | All models   |
|                                                                                     | Condensate pump                                              | Easyflow EF-7 | All models   |
|  | Magnet switch - window/door                                  | DK-1          | All models   |



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ACCESSORIES

ORDERING KEY

(1) Floor convector      (2) Height [mm]      (3) Casings length [mm]      (4) Heat exchanger      (5) Motor

|     |   |    |   |      |   |   |   |    |
|-----|---|----|---|------|---|---|---|----|
| PKH | - | 70 | - | 1000 | - | 2 | - | EC |
|-----|---|----|---|------|---|---|---|----|

(1) Floor convector:  
PKH, PKH-4C, PKN, PKF, PKV

(2) Height  
PKH, PKH-4C: 130, 150  
PKN: 70, 110, 140  
PKF: 110, 140  
PKV: 110, 140, 170

(3) Casings length:  
PKH: 1200 to 3000 mm  
PKH-4C: 1200 to 3000 mm  
PKN: 1000 to 3000 mm  
PKF: 1200 to 3000 mm  
PKV: 1000 to 3000 mm

In increments every 100 mm.

(4) Heat exchanger rows: 1,2 or 3.  
\* PKH, PKH-4C only 2 rows

(5) Type of ventilation motor: EC  
\*(Only with PKH, PKF)

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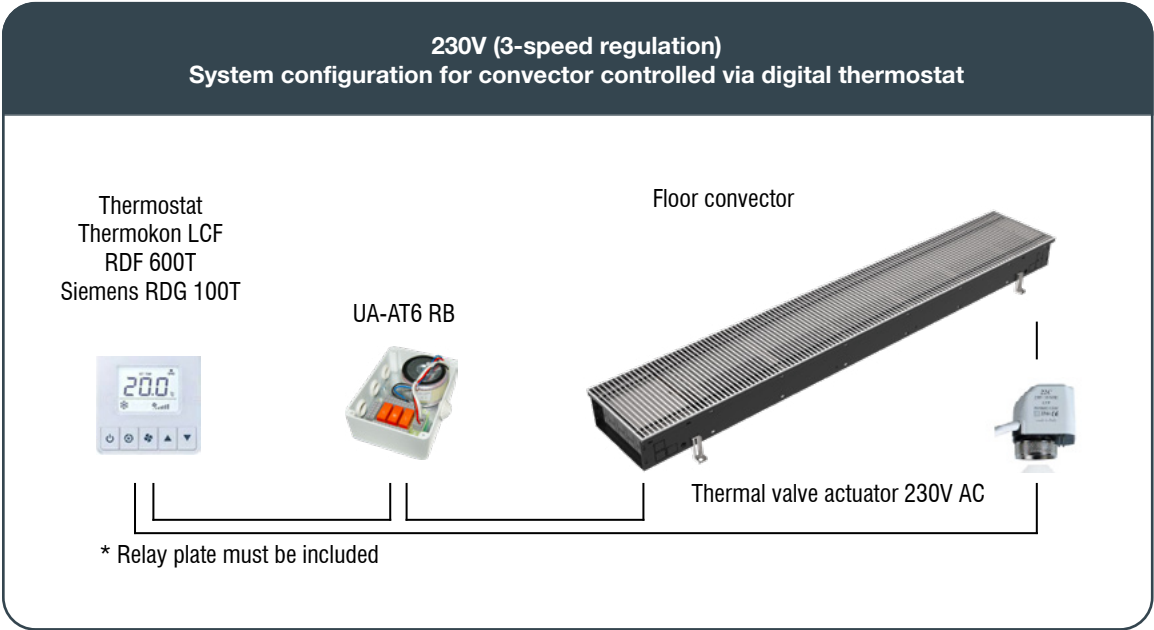
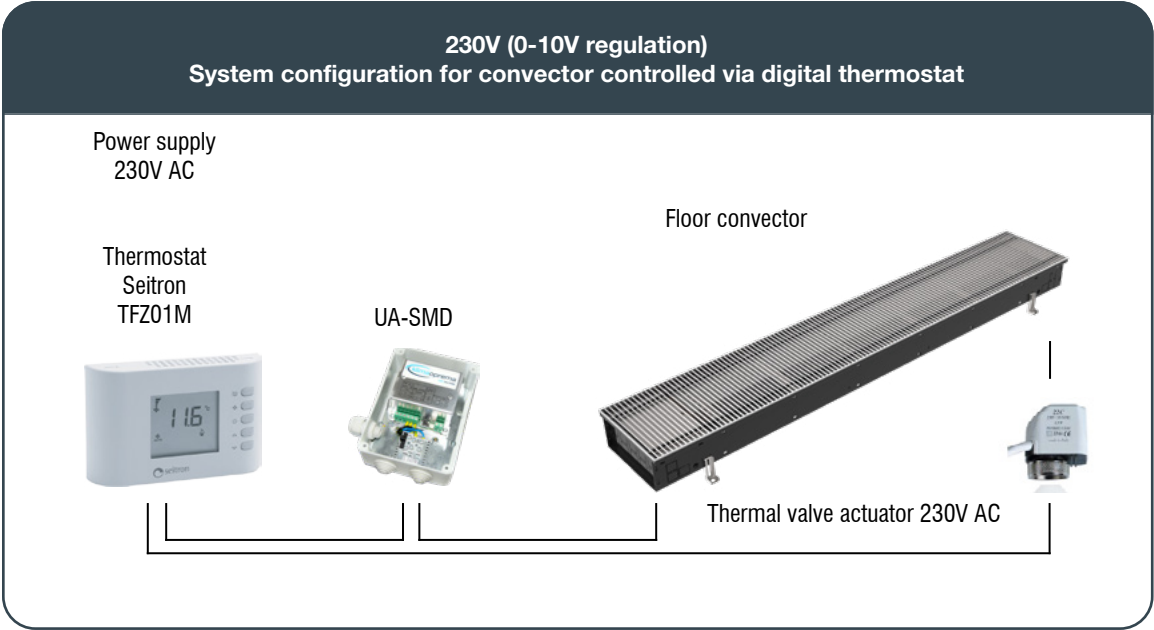
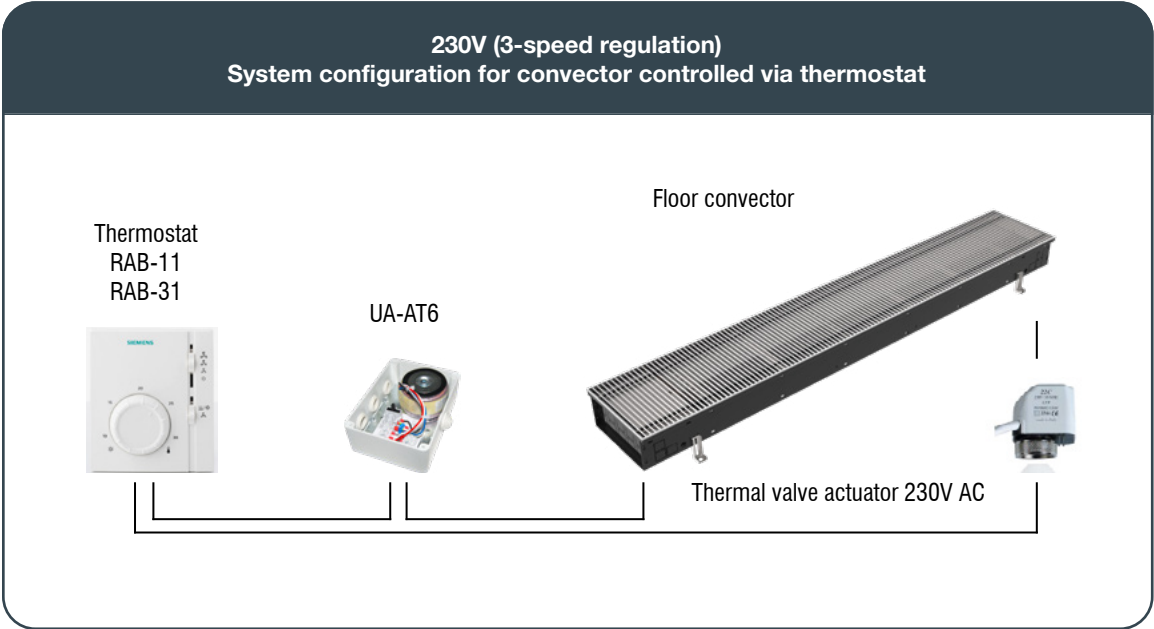
ORDERING KEY

ORDERING KEY ACCESSORIES

|    |   |     |   |    |   |   |   |     |
|----|---|-----|---|----|---|---|---|-----|
| QL | - | 512 | - | 70 | - | 1 | - | 250 |
|----|---|-----|---|----|---|---|---|-----|

See Accessories page!

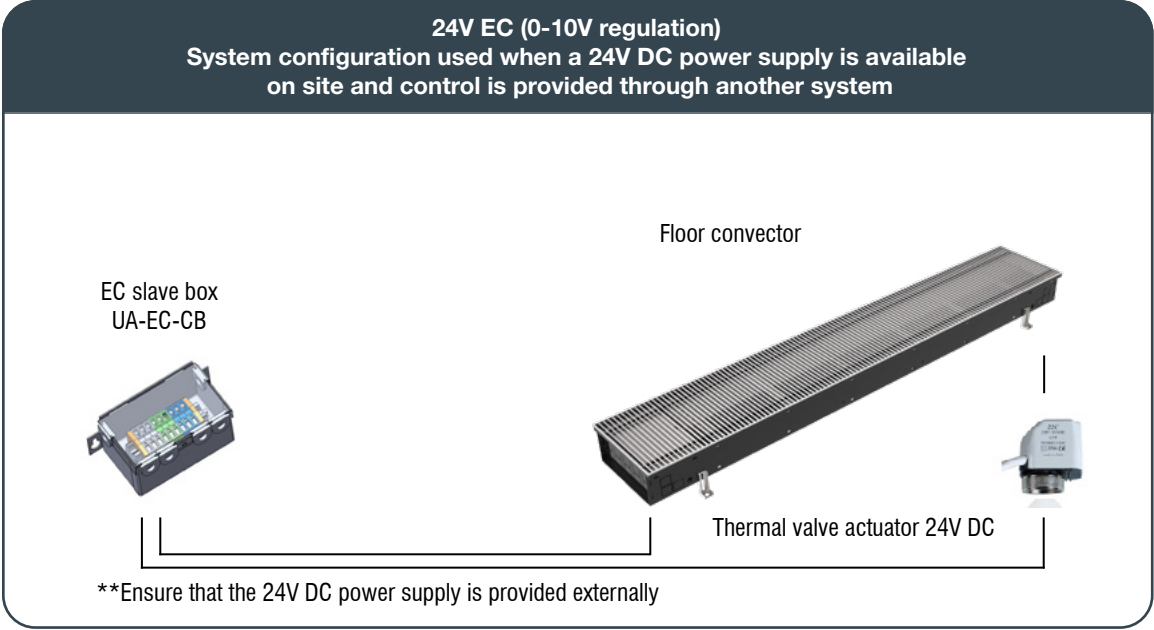
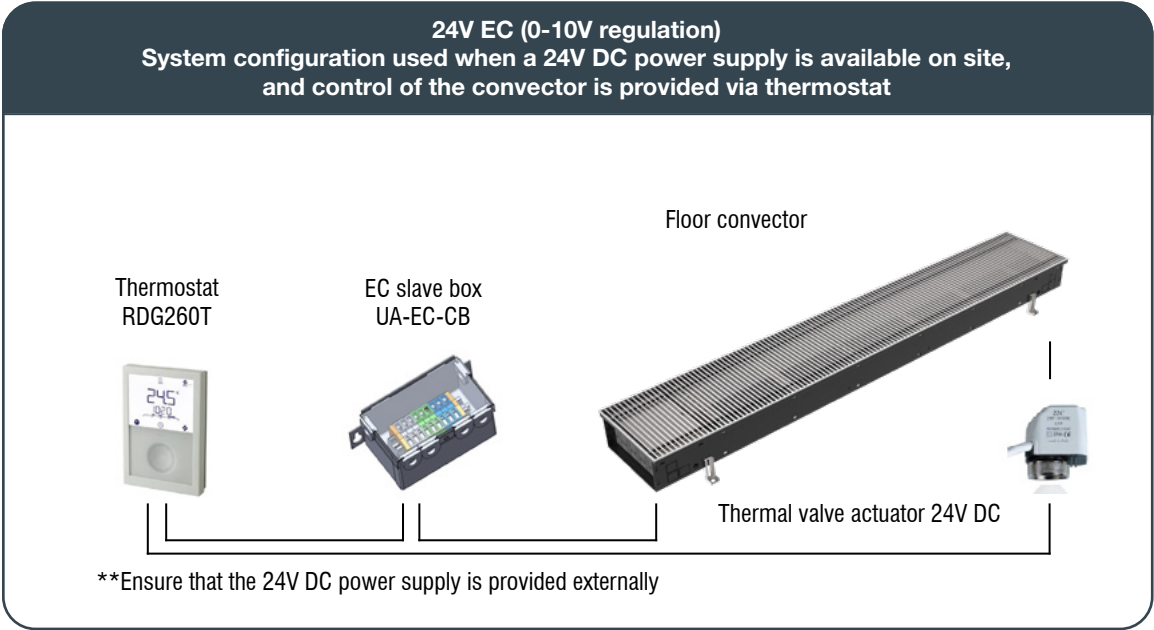
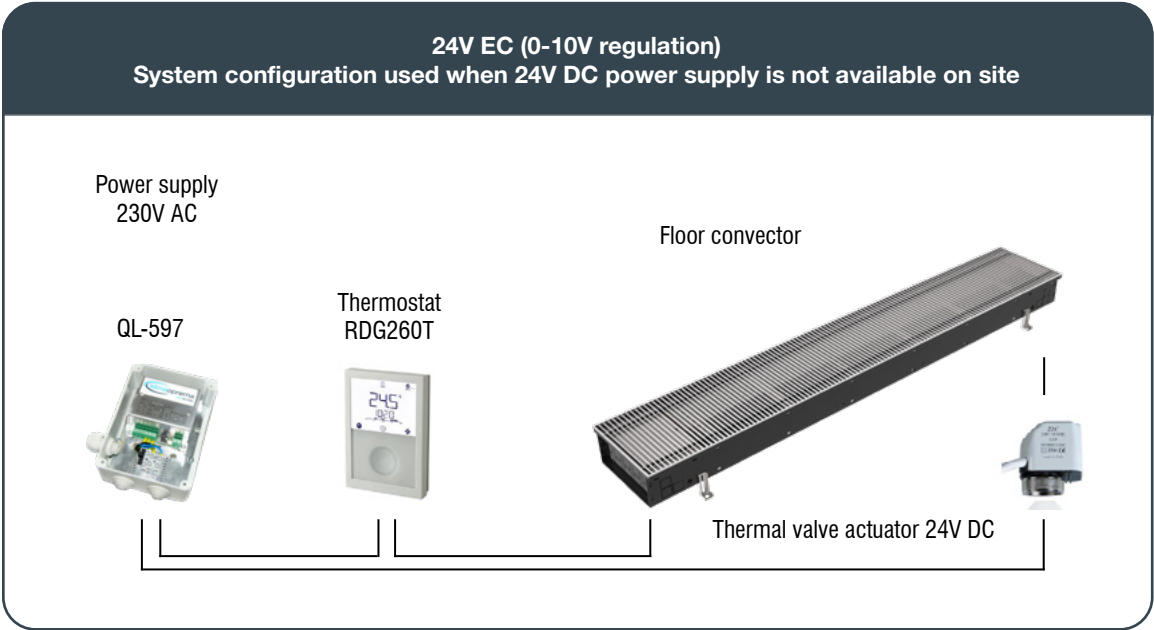
Control options



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WIRING DIAGRAMS

Control options

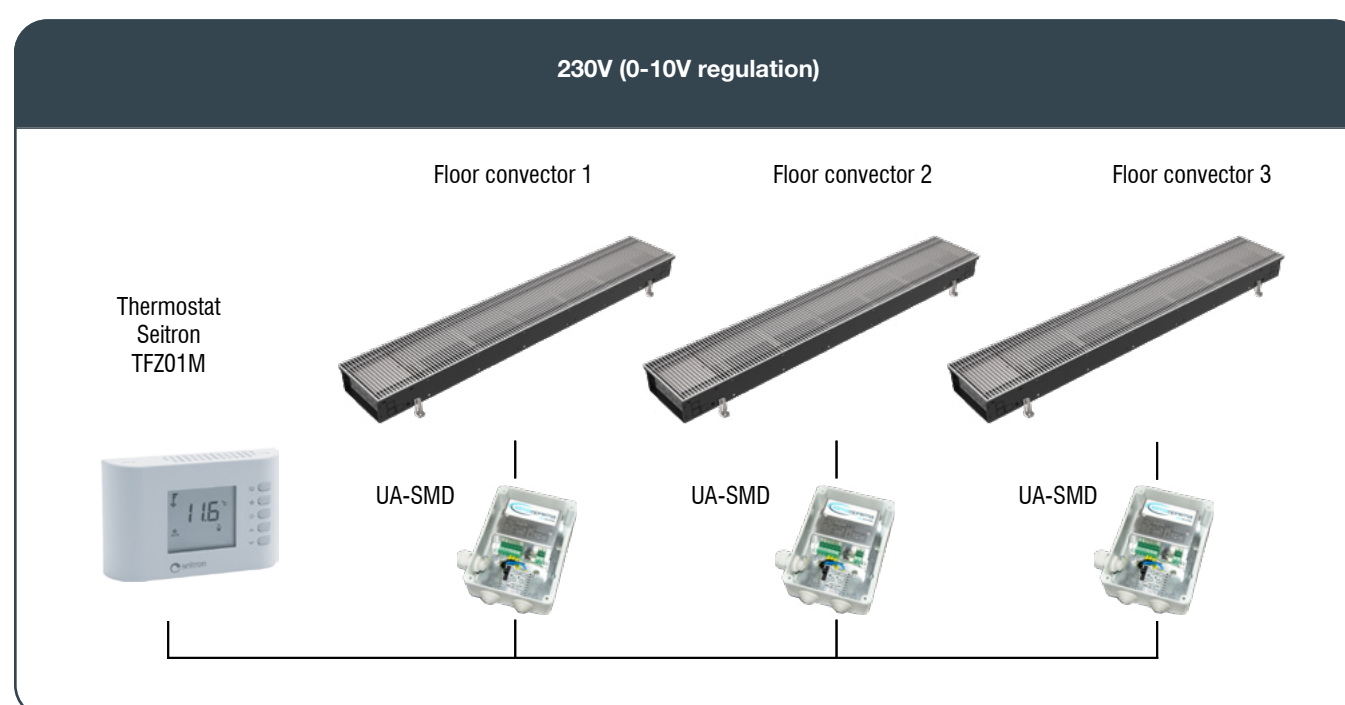
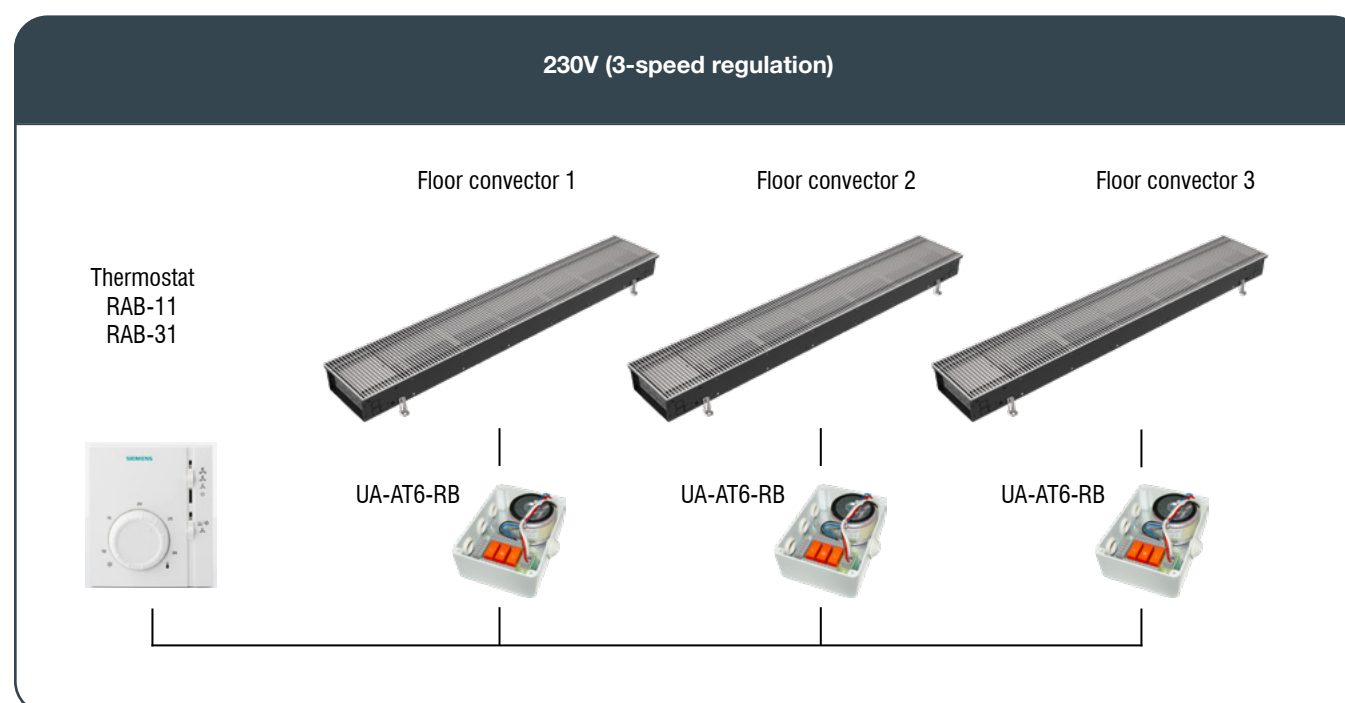


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WIRING DIAGRAMS

## Connecting multiple convectors with one thermostat

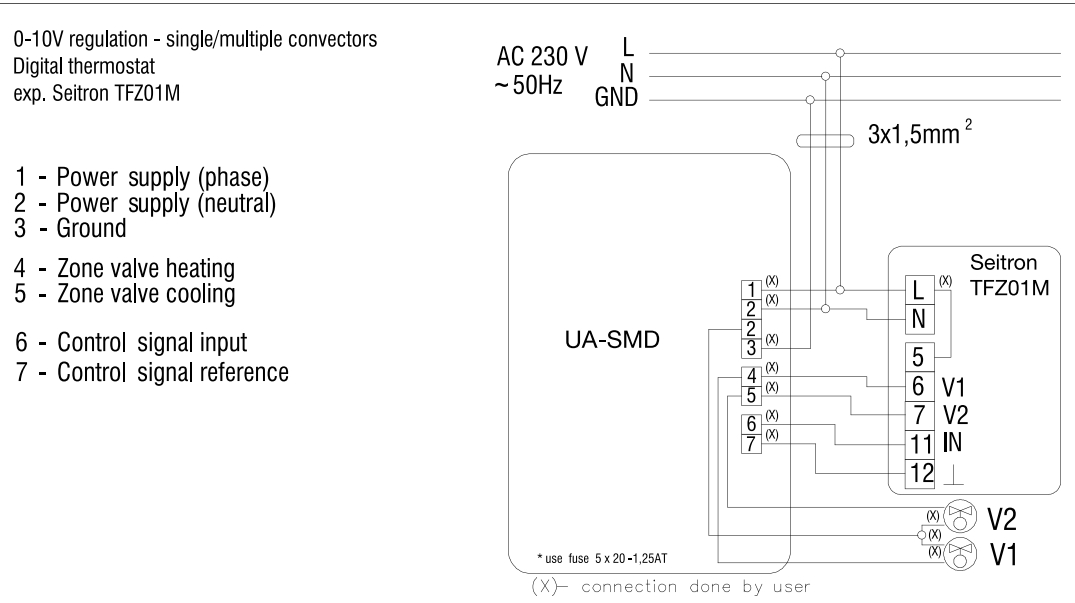
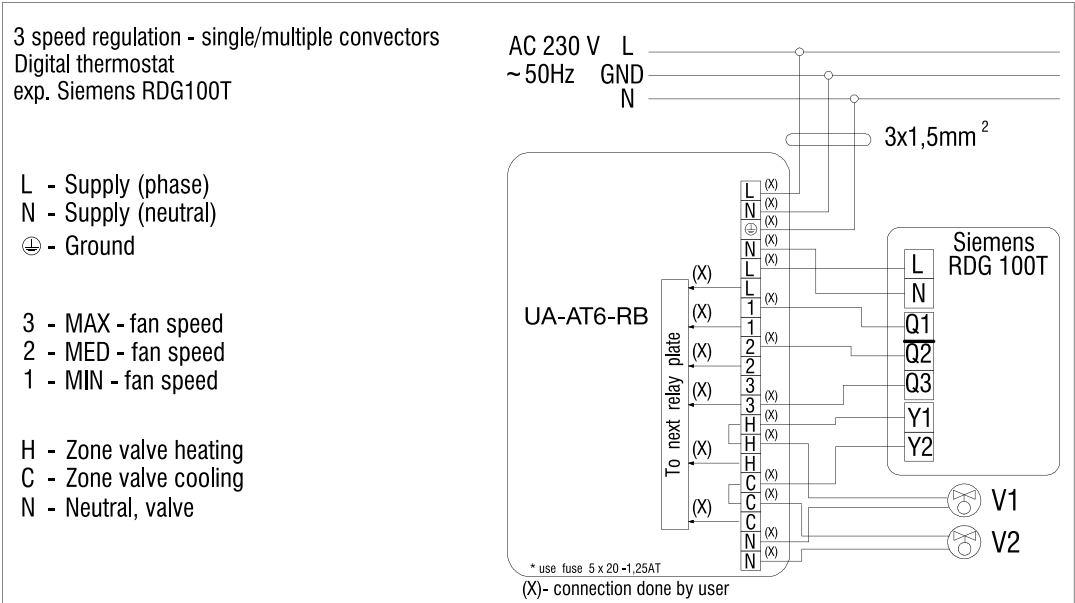
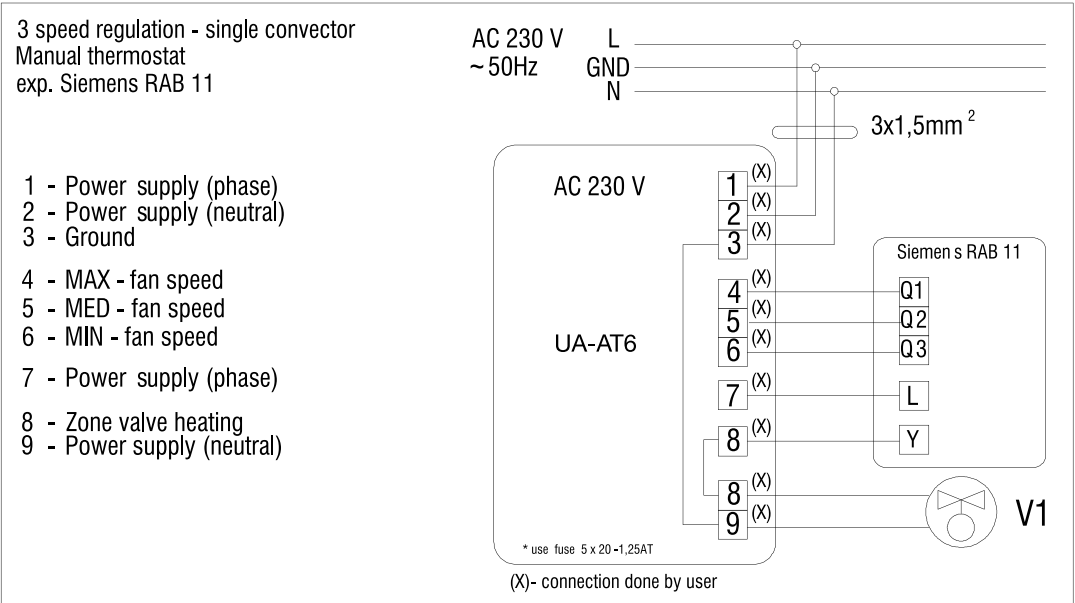
- Relay plate UA-AT6-RB
- Number of relay plates is equal to number of autotransformers that control the group of convectors
- Power supply, motors and thermal valve actuators are connected to relay plate
- Relay plate is placed together with the autotransformer in the junction box
- If thermostats Thermokon LCF or RDF 600T are used, connection of the relay plate is necessary



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### WIRING DIAGRAMS

Wiring diagrams



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WIRING DIAGRAMS

## Floor convector selection

For given height and width of glass surface, heat transfer coefficient K and outside temperature, we can calculate convector selection parameters.

Example:

- from diagram 1,  $\Delta t_L = 7$  K
- from diagram 2 cold air velocity  $v_L = 0,36$  m/s
- from diagram 3 airflow rate,  $V_L = 52$  m<sup>3</sup>/h

To prevent cold air intrusion in room, necessary heat output per meter length is determined by:

$$Q_{\text{convector}} > Q_{\text{falling air}}$$

$$Q_{\text{falling air}} = \frac{V_L \cdot c_L \cdot b \cdot \Delta t_L \cdot \rho}{3600}$$

Inserting known values

$V_L = 52$  m<sup>3</sup>/h  
 $c_L = 1,006$  kJ/kgK  
 $b = 1$  m (glass width)  
 $\Delta t_L = 7$  K  
 $\rho = 1,2$  kg/m<sup>3</sup>

$$Q_{\text{falling air}} = 0,122 \text{ kW}$$

In accordance with result above, a floor convector with minimal length of 1m and minimal heat output of 0,122kW can be selected.

Diagram 1: Temperature difference of glass surface, at room temperature 20 °C

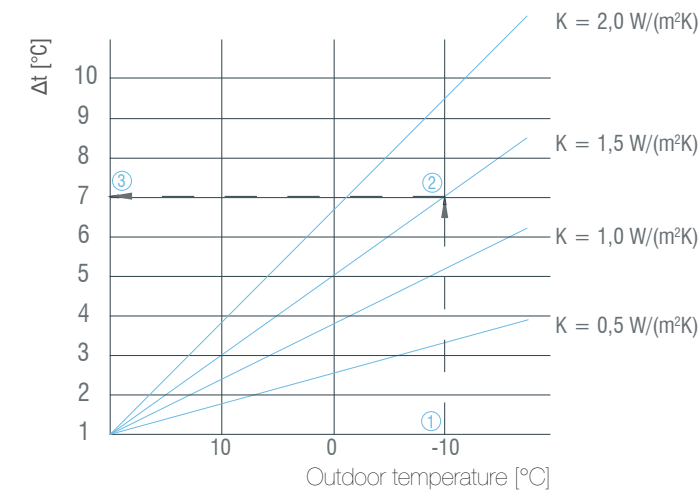


Diagram 2: Cold air velocity

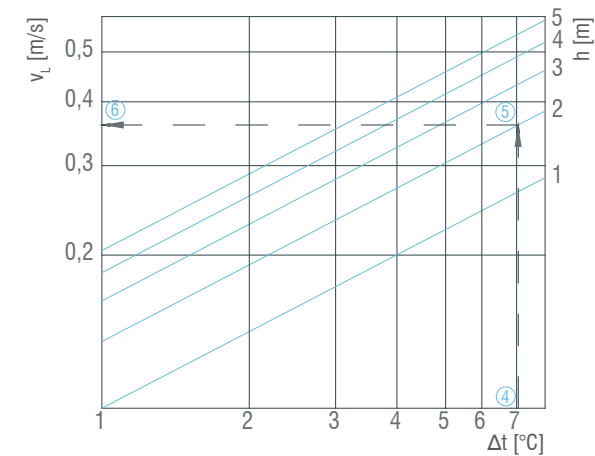
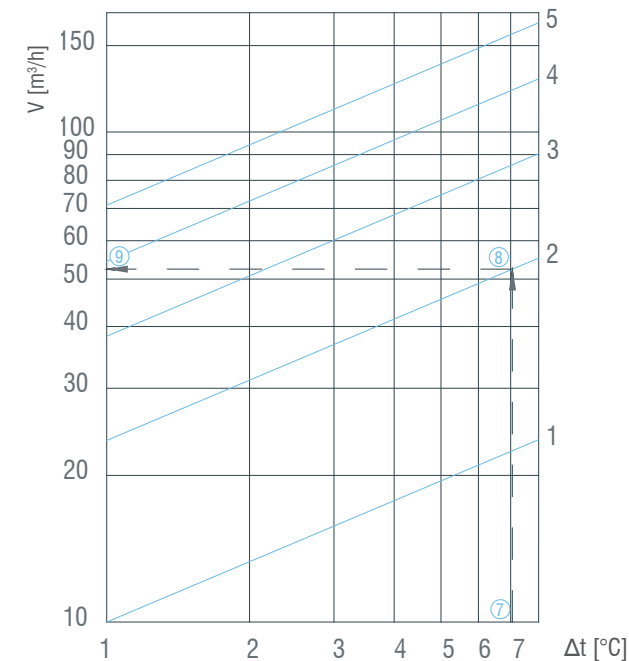


Diagram 3: Determining airflow rate [m³/h]



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### DIAGRAMS

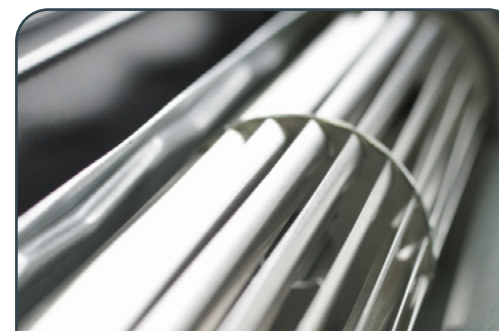
## Floor convector standard delivery



Steel and aluminium parts  
powder coated in RAL 9005



Standard U frame



Silent 230V AC or 24V EC tangential fans  
(forced convection models)



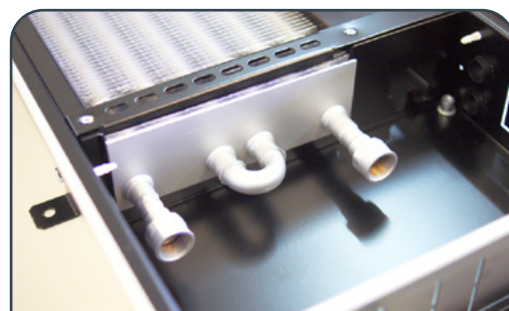
Service cover



Leveling screws



Leveling mounts for height  
adjustment and casing fixing



Efficient low volume heat exchanger  
with bleed valve 1/4"



Ground terminal



Air valve on heat exchanger



PVC foil and carton box packaging with  
polystyrene corner and side protection



Installation and operation manual



Protective plywood cover

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STANDARD DELIVERY



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## MAINTENANCE

## AIR TREATMENT

### TRANSPORT

After arrival, check the product for transport damage and shortcomings. In case of any damage or shortcomings, immediately contact your supplier.

### STORAGE

If the product is not installed immediately:

- Remove any wrapping.
- Protect product from dust and contamination.
- Do not expose the floor convector to the effects of weather, store it in a dry place.

**Please properly dispose of packaging material!**

### MAINTENANCE AND OPERATION

Klimaoprema products are designed as such do not require cleaning and regular maintenance. However, mechanism should be systematically cleaned for proper operation.

- Provide a systematic cleaning of dust
- Cleaning instruction: clean with a sponge, with water or a mild detergent

### COMMISSIONING

Carefully unpack the product, be cautious of sharp edges and do not use excessive force for unpacking.

- Inspect the floor convector and check for any damage
- Ensure that the devices have been correctly installed
- Before commissioning: check the product functions



## AIR TREATMENT

Images are for informational purposes only and may differ from the actual product.  
Follow the latest versions of the catalog on the website.

-  Gradna 78A, 10430 Samobor, Croatia
-  +385 (0)1 33 62 513
-  [info@klimaoprema.com](mailto:info@klimaoprema.com)
-  [www.klimaoprema.com](http://www.klimaoprema.com)