

## RH45 Registers and Grilles (Page 54, 55)

| Average Face Velocity |            | 400   | 500   | 600   | 700   | 800   | 900   | 1000  |
|-----------------------|------------|-------|-------|-------|-------|-------|-------|-------|
| <b>6 x 6</b>          | CFM        | 40    | 60    | 70    | 80    | 90    | 100   | 110   |
|                       | Ak 0.11 Ps | 0.037 | 0.058 | 0.073 | 0.103 | 0.148 | 0.189 | 0.232 |
| <b>8 x 8</b>          | CFM        | 100   | 120   | 140   | 170   | 190   | 220   | 240   |
|                       | Ak 0.24 Ps | 0.032 | 0.050 | 0.072 | 0.098 | 0.128 | 0.163 | 0.200 |
| <b>12 x 6</b>         | CFM        | 110   | 140   | 170   | 190   | 220   | 250   | 280   |
|                       | Ak 0.28 Ps | 0.031 | 0.048 | 0.069 | 0.094 | 0.122 | 0.155 | 0.191 |
| <b>14 x 6</b>         | CFM        | 130   | 170   | 200   | 230   | 270   | 300   | 330   |
|                       | Ak 0.33 Ps | 0.029 | 0.045 | 0.065 | 0.088 | 0.114 | 0.145 | 0.179 |
| <b>14 x 8</b>         | CFM        | 190   | 230   | 280   | 330   | 370   | 420   | 460   |
|                       | Ak 0.46 Ps | 0.025 | 0.039 | 0.055 | 0.075 | 0.097 | 0.123 | 0.152 |
| <b>12 x 12</b>        | CFM        | 250   | 310   | 370   | 430   | 490   | 550   | 610   |
|                       | Ak 0.61 Ps | 0.021 | 0.032 | 0.046 | 0.062 | 0.079 | 0.100 | 0.125 |
| <b>24 x 8</b>         | CFM        | 340   | 420   | 500   | 590   | 670   | 760   | 840   |
|                       | Ak 0.84 Ps | 0.020 | 0.032 | 0.046 | 0.061 | 0.079 | 0.100 | 0.124 |
| <b>18 x 12</b>        | CFM        | 380   | 480   | 570   | 670   | 760   | 860   | 950   |
|                       | Ak 0.95 Ps | 0.020 | 0.032 | 0.046 | 0.061 | 0.080 | 0.101 | 0.124 |
| <b>30 x 8</b>         | CFM        | 430   | 530   | 640   | 750   | 850   | 960   | 1100  |
|                       | Ak 1.07 Ps | 0.020 | 0.032 | 0.046 | 0.061 | 0.080 | 0.101 | 0.124 |
| <b>24 x 12</b>        | CFM        | 520   | 650   | 780   | 900   | 1000  | 1200  | 1300  |
|                       | Ak 1.29 Ps | 0.020 | 0.032 | 0.046 | 0.062 | 0.081 | 0.102 | 0.124 |
| <b>18 x 18</b>        | CFM        | 580   | 730   | 880   | 1000  | 1200  | 1300  | 1500  |
|                       | Ak 1.46 Ps | 0.020 | 0.032 | 0.046 | 0.062 | 0.081 | 0.102 | 0.124 |
| <b>30 x 12</b>        | CFM        | 650   | 820   | 980   | 1100  | 1300  | 1500  | 1600  |
|                       | Ak 1.63 Ps | 0.021 | 0.032 | 0.046 | 0.062 | 0.082 | 0.103 | 0.124 |
| <b>20 x 20</b>        | CFM        | 730   | 910   | 1100  | 1300  | 1500  | 1600  | 1800  |
|                       | Ak 1.82 Ps | 0.021 | 0.032 | 0.046 | 0.063 | 0.083 | 0.104 | 0.124 |
| <b>36 x 12</b>        | CFM        | 790   | 990   | 1200  | 1400  | 1600  | 1800  | 2000  |
|                       | Ak 1.98 Ps | 0.021 | 0.032 | 0.046 | 0.063 | 0.084 | 0.105 | 0.125 |
| <b>24 x 20</b>        | CFM        | 880   | 1100  | 1300  | 1500  | 1800  | 2000  | 2200  |
|                       | Ak 2.21 Ps | 0.021 | 0.032 | 0.047 | 0.064 | 0.085 | 0.107 | 0.126 |
| <b>30 x 18</b>        | CFM        | 1000  | 1200  | 1500  | 1700  | 2000  | 2200  | 2500  |
|                       | Ak 2.50 Ps | 0.021 | 0.033 | 0.048 | 0.065 | 0.087 | 0.109 | 0.128 |
| <b>24 x 24</b>        | CFM        | 1100  | 1300  | 1600  | 1900  | 2100  | 2400  | 2700  |
|                       | Ak 2.67 Ps | 0.022 | 0.033 | 0.048 | 0.066 | 0.088 | 0.110 | 0.130 |
| <b>36 x 18</b>        | CFM        | 1200  | 1500  | 1800  | 2100  | 2400  | 2700  | 3000  |
|                       | Ak 3.02 Ps | 0.023 | 0.035 | 0.051 | 0.069 | 0.092 | 0.116 | 0.137 |
| <b>30 x 24</b>        | CFM        | 1300  | 1700  | 2000  | 2400  | 2700  | 3000  | 3400  |
|                       | Ak 3.37 Ps | 0.024 | 0.037 | 0.053 | 0.073 | 0.096 | 0.121 | 0.144 |
| <b>36 x 24</b>        | CFM        | 1600  | 2000  | 2400  | 2900  | 3300  | 3700  | 4100  |
|                       | Ak 4.08 Ps | 0.027 | 0.040 | 0.058 | 0.080 | 0.105 | 0.132 | 0.158 |
| <b>30 x 30</b>        | CFM        | 1700  | 2100  | 2600  | 3000  | 3400  | 3800  | 4300  |
|                       | Ak 4.26 Ps | 0.027 | 0.041 | 0.060 | 0.081 | 0.107 | 0.135 | 0.162 |
| <b>36 x 30</b>        | CFM        | 2100  | 2600  | 3100  | 3600  | 4100  | 4600  | 5200  |
|                       | Ak 5.15 Ps | 0.030 | 0.045 | 0.066 | 0.090 | 0.117 | 0.149 | 0.179 |
| <b>48 x 24</b>        | CFM        | 2200  | 2800  | 3300  | 3900  | 4400  | 5000  | 5500  |
|                       | Ak 5.51 Ps | 0.031 | 0.047 | 0.069 | 0.093 | 0.122 | 0.154 | 0.186 |
| <b>36 x 36</b>        | CFM        | 2500  | 3100  | 3700  | 4400  | 5000  | 5600  | 6200  |
|                       | Ak 6.24 Ps | 0.034 | 0.051 | 0.074 | 0.100 | 0.130 | 0.165 | 0.200 |
| <b>48 x 36</b>        | CFM        | 3400  | 4200  | 5100  | 5900  | 6800  | 7600  | 8500  |
|                       | Ak 8.48 Ps | 0.025 | 0.038 | 0.055 | 0.075 | 0.098 | 0.124 | 0.153 |
| <b>48 x 48</b>        | CFM        | 4600  | 5800  | 6900  | 8100  | 9200  | 10000 | 12000 |
|                       | Ak 11.6 Ps | 0.022 | 0.034 | 0.048 | 0.066 | 0.086 | 0.109 | 0.134 |

## RH90 Registers and Grilles (Page 53, 54, 56)

| Average Face Velocity |            | 400   | 500   | 600   | 700   | 800   | 900   | 1000  |
|-----------------------|------------|-------|-------|-------|-------|-------|-------|-------|
| <b>6 x 6</b>          | CFM        | 50    | 63    | 76    | 88    | 101   | 113   | 126   |
|                       | Ak 0.13 Ps | 0.012 | 0.019 | 0.029 | 0.038 | 0.048 | 0.055 | 0.065 |
| <b>8 x 8</b>          | CFM        | 103   | 129   | 155   | 181   | 207   | 233   | 259   |
|                       | Ak 0.26 Ps | 0.011 | 0.018 | 0.028 | 0.037 | 0.046 | 0.053 | 0.063 |
| <b>12 x 6</b>         | CFM        | 119   | 148   | 178   | 208   | 237   | 267   | 297   |
|                       | Ak 0.30 Ps | 0.011 | 0.018 | 0.027 | 0.036 | 0.046 | 0.053 | 0.063 |
| <b>14 x 6</b>         | CFM        | 141   | 177   | 212   | 248   | 283   | 318   | 354   |
|                       | Ak 0.35 Ps | 0.011 | 0.018 | 0.027 | 0.036 | 0.045 | 0.052 | 0.062 |
| <b>14 x 8</b>         | CFM        | 195   | 244   | 292   | 341   | 390   | 438   | 487   |
|                       | Ak 0.49 Ps | 0.011 | 0.018 | 0.026 | 0.035 | 0.044 | 0.051 | 0.061 |
| <b>12 x 12</b>        | CFM        | 256   | 320   | 384   | 448   | 512   | 576   | 640   |
|                       | Ak 0.64 Ps | 0.011 | 0.017 | 0.025 | 0.033 | 0.042 | 0.049 | 0.059 |
| <b>24 x 8</b>         | CFM        | 348   | 435   | 523   | 610   | 697   | 784   | 871   |
|                       | Ak 0.87 Ps | 0.010 | 0.017 | 0.024 | 0.032 | 0.040 | 0.047 | 0.057 |
| <b>18 x 12</b>        | CFM        | 395   | 493   | 592   | 691   | 789   | 888   | 987   |
|                       | Ak 0.99 Ps | 0.010 | 0.016 | 0.023 | 0.031 | 0.039 | 0.046 | 0.056 |
| <b>30 x 8</b>         | CFM        | 441   | 552   | 662   | 772   | 882   | 993   | 1103  |
|                       | Ak 1.10 Ps | 0.010 | 0.016 | 0.023 | 0.030 | 0.038 | 0.045 | 0.055 |
| <b>24 x 12</b>        | CFM        | 535   | 668   | 802   | 936   | 1069  | 1203  | 1337  |
|                       | Ak 1.34 Ps | 0.010 | 0.016 | 0.021 | 0.028 | 0.036 | 0.043 | 0.053 |
| <b>18 x 18</b>        | CFM        | 605   | 756   | 907   | 1059  | 1210  | 1361  | 1512  |
|                       | Ak 1.51 Ps | 0.010 | 0.016 | 0.021 | 0.027 | 0.035 | 0.042 | 0.052 |
| <b>30 x 12</b>        | CFM        | 676   | 845   | 1014  | 1182  | 1351  | 1520  | 1689  |
|                       | Ak 1.69 Ps | 0.010 | 0.016 | 0.020 | 0.026 | 0.034 | 0.041 | 0.051 |

## RCB Series Return Air Registers and Grilles (Page 52)

| Average Face Velocity |            | 200   | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  |
|-----------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>6 x 6</b>          | CFM        | 25    | 37    | 50    | 62    | 75    | 87    | 100   | 112   | 124   |
|                       | Ak 0.12 Ps | 0.005 | 0.014 | 0.024 | 0.037 | 0.053 | 0.084 | 0.113 | 0.150 | 0.180 |
| <b>8 x 8</b>          | CFM        | 49    | 74    | 99    | 124   | 148   | 173   | 198   | 223   | 247   |
|                       | Ak 0.25 Ps | 0.006 | 0.014 | 0.024 | 0.037 | 0.054 | 0.085 | 0.114 | 0.150 | 0.181 |
| <b>12 x 6</b>         | CFM        | 56    | 85    | 113   | 141   | 169   | 198   | 226   | 254   | 282   |
|                       | Ak 0.28 Ps | 0.006 | 0.014 | 0.024 | 0.038 | 0.054 | 0.085 | 0.114 | 0.150 | 0.181 |
| <b>14 x 6</b>         | CFM        | 67    | 101   | 134   | 168   | 201   | 235   | 268   | 302   | 335   |
|                       | Ak 0.34 Ps | 0.006 | 0.014 | 0.024 | 0.038 | 0.054 | 0.085 | 0.114 | 0.150 | 0.182 |
| <b>14 x 8</b>         | CFM        | 92    | 138   | 184   | 230   | 276   | 322   | 368   | 414   | 460   |
|                       | Ak 0.46 Ps | 0.006 | 0.015 | 0.025 | 0.039 | 0.056 | 0.086 | 0.115 | 0.150 | 0.183 |
| <b>12 x 12</b>        | CFM        | 121   | 181   | 241   | 301   | 362   | 422   | 482   | 542   | 603   |
|                       | Ak 0.60 Ps | 0.006 | 0.015 | 0.025 | 0.039 | 0.057 | 0.087 | 0.115 | 0.150 | 0.184 |
| <b>24 x 8</b>         | CFM        | 164   | 246   | 328   | 409   | 491   | 573   | 655   | 737   | 819   |
|                       | Ak 0.82 Ps | 0.006 | 0.015 | 0.026 | 0.040 | 0.059 | 0.089 | 0.116 | 0.151 | 0.186 |
| <b>18 x 12</b>        | CFM        | 186   | 278   | 371   | 464   | 557   | 649   | 742   | 835   | 928   |
|                       | Ak 0.93 Ps | 0.006 | 0.016 | 0.026 | 0.041 | 0.059 | 0.089 | 0.117 | 0.151 | 0.187 |
| <b>30 x 8</b>         | CFM        | 207   | 311   | 415   | 519   | 622   | 726   | 830   | 934   | 1037  |
|                       | Ak 1.04 Ps | 0.006 | 0.016 | 0.026 | 0.042 | 0.060 | 0.090 | 0.117 | 0.152 | 0.188 |
| <b>24 x 12</b>        | CFM        | 252   | 377   | 503   | 629   | 755   | 881   | 1007  | 1132  | 1258  |
|                       | Ak 1.26 Ps | 0.006 | 0.016 | 0.027 | 0.043 | 0.062 | 0.092 | 0.119 | 0.152 | 0.191 |
| <b>18 x 18</b>        | CFM        | 285   | 428   | 570   | 713   | 855   | 998   | 1140  | 1283  | 1426  |
|                       | Ak 1.43 Ps | 0.006 | 0.017 | 0.027 | 0.043 | 0.063 | 0.093 | 0.119 | 0.153 | 0.192 |
| <b>30 x 12</b>        | CFM        | 319   | 478   | 638   | 797   | 956   | 1116  | 1275  | 1435  | 1594  |
|                       | Ak 1.59 Ps | 0.006 | 0.017 | 0.028 | 0.044 | 0.064 | 0.094 | 0.120 | 0.154 | 0.194 |
| <b>20 x 20</b>        | CFM        | 357   | 535   | 713   | 891   | 1070  | 1248  | 1426  | 1605  | 1783  |
|                       | Ak 1.78 Ps | 0.007 | 0.018 | 0.028 | 0.045 | 0.065 | 0.095 | 0.121 | 0.155 | 0.196 |
| <b>36 x 12</b>        | CFM        | 387   | 581   | 774   | 968   | 1161  | 1355  | 1548  | 1742  | 1935  |
|                       | Ak 1.94 Ps | 0.007 | 0.018 | 0.028 | 0.046 | 0.066 | 0.096 | 0.122 | 0.156 | 0.197 |
| <b>24 x 20</b>        | CFM        | 433   | 650   | 866   | 1083  | 1299  | 1516  | 1732  | 1949  | 2165  |
|                       | Ak 2.17 Ps | 0.007 | 0.018 | 0.029 | 0.046 | 0.067 | 0.098 | 0.124 | 0.157 | 0.200 |
| <b>30 x 18</b>        | CFM        | 491   | 737   | 983   | 1228  | 1474  | 1720  | 1965  | 2211  | 2456  |
|                       | Ak 2.46 Ps | 0.007 | 0.019 | 0.029 | 0.047 | 0.069 | 0.099 | 0.126 | 0.159 | 0.203 |
| <b>24 x 24</b>        | CFM        | 527   | 790   | 1053  | 1316  | 1580  | 1843  | 2106  | 2370  | 2633  |
|                       | Ak 2.63 Ps | 0.007 | 0.019 | 0.030 | 0.048 | 0.069 | 0.101 | 0.127 | 0.160 | 0.205 |
| <b>36 x 18</b>        | CFM        | 598   | 897   | 1196  | 1495  | 1794  | 2093  | 2392  | 2691  | 2990  |
|                       | Ak 2.99 Ps | 0.007 | 0.020 | 0.030 | 0.049 | 0.071 | 0.103 | 0.129 | 0.163 | 0.208 |
| <b>30 x 24</b>        | CFM        | 670   | 1006  | 1341  | 1676  | 2011  | 2346  | 2681  | 3017  | 3352  |
|                       | Ak 3.35 Ps | 0.007 | 0.021 | 0.031 | 0.050 | 0.072 | 0.105 | 0.132 | 0.166 | 0.212 |
| <b>36 x 24</b>        | CFM        | 818   | 1227  | 1637  | 2046  | 2455  | 2864  | 3273  | 3682  | 4092  |
|                       | Ak 4.09 Ps | 0.008 | 0.023 | 0.032 | 0.052 | 0.074 | 0.110 | 0.137 | 0.172 | 0.220 |
| <b>30 x 30</b>        | CFM        | 856   | 1284  | 1712  | 2140  | 2568  | 2996  | 3424  | 3852  | 4280  |
|                       | Ak 4.28 Ps | 0.008 | 0.023 | 0.032 | 0.052 | 0.074 | 0.111 | 0.139 | 0.174 | 0.222 |
| <b>36 x 30</b>        | CFM        | 1048  | 1572  | 2096  | 2620  | 3144  | 3668  | 4192  | 4717  | 5241  |
|                       | Ak 5.24 Ps | 0.008 | 0.026 | 0.033 | 0.054 | 0.075 | 0.117 | 0.147 | 0.185 | 0.233 |
| <b>48 x 24</b>        | CFM        | 1127  | 1690  | 2254  | 2817  | 3380  | 3944  | 4507  | 5071  | 5634  |
|                       | Ak 5.63 Ps | 0.009 | 0.027 | 0.033 | 0.054 | 0.075 | 0.120 | 0.150 | 0.190 | 0.237 |
| <b>36 x 36</b>        | CFM        | 1287  | 1931  | 2575  | 3218  | 3862  | 4506  | 5150  | 5793  | 6437  |
|                       | Ak 6.44 Ps | 0.009 | 0.029 | 0.034 | 0.055 | 0.074 | 0.125 | 0.158 | 0.200 | 0.247 |
| <b>48 x 36</b>        | CFM        | 1794  | 2691  | 3589  | 4486  | 5383  | 6280  | 7177  | 8074  | 8971  |
|                       | Ak 8.97 Ps | 0.009 | 0.029 | 0.034 | 0.055 | 0.068 | 0.125 | 0.158 | 0.200 | 0.247 |
| <b>48 x 48</b>        | CFM        | 2529  | 3793  | 5058  | 6322  | 7587  | 8851  | 10116 | 11380 | 12645 |
|                       | Ak 12.6 Ps | 0.009 | 0.029 | 0.034 | 0.055 | 0.068 | 0.125 | 0.158 | 0.200 | 0.247 |