

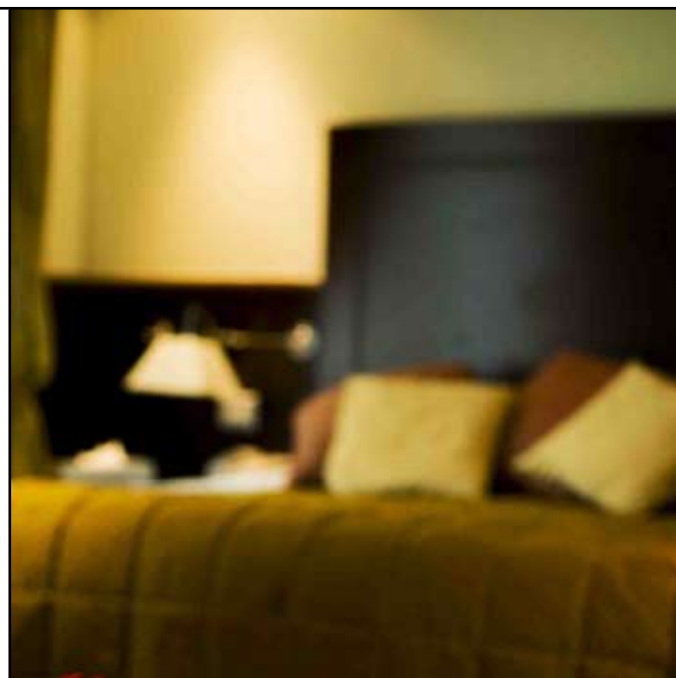


#### ✿ **RHS APPLICATION**

The most economical and the most quiet grille in the industry for sidewall mounting, recommended for application requiring control of both air pattern spread and drop plus an equal distribution over the entire face of the register.

#### ✿ **RHS STANDARD CONSTRUCTION / FEATURES**

- Frame is constructed of extruded aluminium or galvanized steel material with interlocked corners and mechanically stacked to form a rigid frame.
- Blades are made of solid extruded aluminium or galvanized steel, 22mm spaced from center to center.
- Easy adjustment fins without any special key or tool. Blades are securely held in place with nylon bush or steel wire.
- Galvanized steel opposed blade damper with gear operated adjustable from the face of the grille with a screw driver.

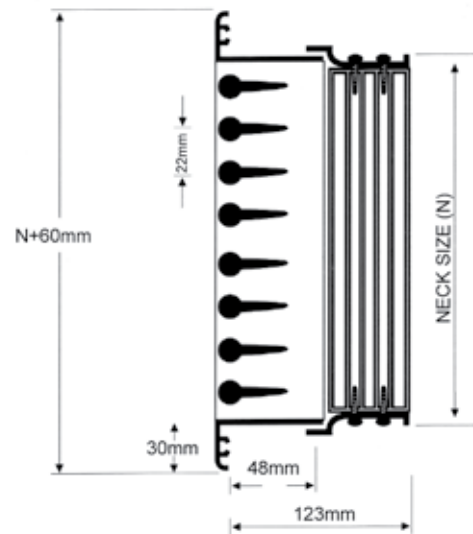


### ❖ RHS MODELS DETAILS

RHS - Horizontal blades individually adjustable.  
RVS - Vertical blades individually adjustable.

### ❖ RHS OPTIONS

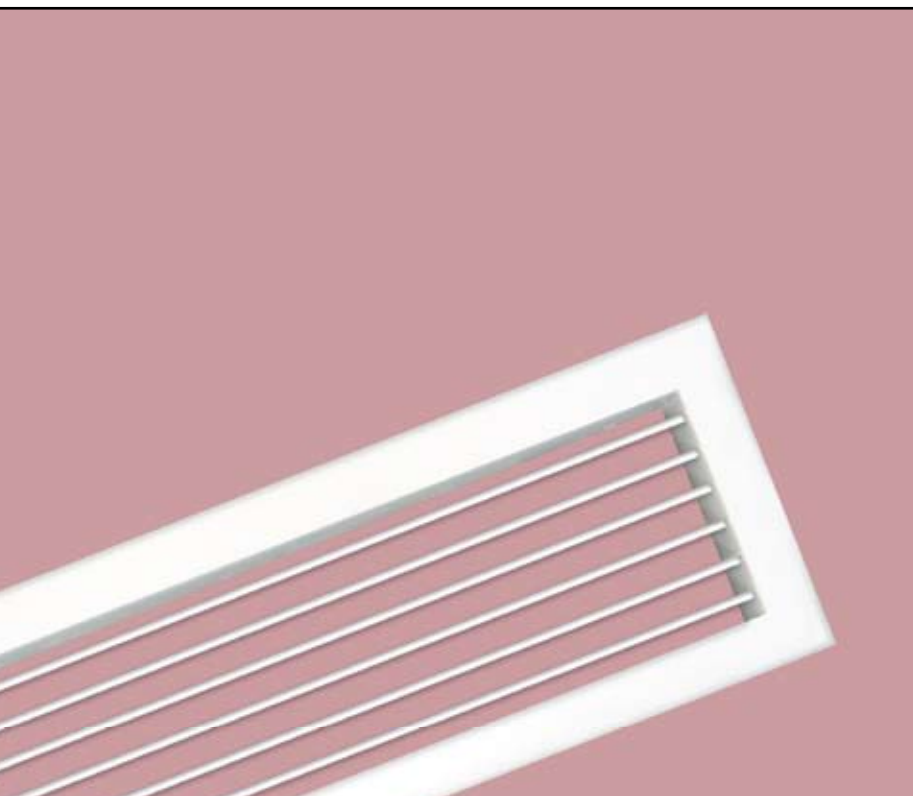
- All types of RAL finishing.
- Rubber gasket on the back of the frame.
- Black painted opposed blade damper.
- Airfoil blades are available. (for Extruded aluminium only)



### ❖ RHS ORDER KEY INFORMATION

RHS – A + OBD

|                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------|
| <div style="display: flex; align-items: center;"> <div style="width: 100px; border-left: 1px solid black; border-right: 1px solid black; margin: 0 5px;"></div> <div style="width: 100px; border-left: 1px solid black; border-right: 1px solid black; margin: 0 5px;"></div> <div style="width: 100px; border-left: 1px solid black; border-right: 1px solid black; margin: 0 5px;"></div> </div> | <b>Accessories</b> | Opposed Blade Damper (OBD), Insect Netting (IN), Transition Square to RAL Adaptor (Adp). |
|                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Material</b>    | Aluminum (A), Galvanized Steel (S), SUS304(SUS), Aluminum Zinc (AZ)                      |
|                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Model</b>       | RHS - Single Deflection                                                                  |



### ❖ RHS PERFORMANCE DATA

| Grilles<br>Sizes<br>In Inch | A.K<br>Factor<br>in Sq.Ft | Face Velocity (fpm)             |       |       |       |       |      |       |       |
|-----------------------------|---------------------------|---------------------------------|-------|-------|-------|-------|------|-------|-------|
|                             |                           | 300                             | 400   | 500   | 600   | 700   | 800  | 900   | 1000  |
|                             |                           | Negative Static Pressure ("W.G) |       |       |       |       |      |       |       |
|                             |                           | 0.013                           | 0.022 | 0.035 | 0.051 | 0.069 | 0.09 | 0.114 | 0.141 |
|                             |                           | AirFlow (cfm)                   |       |       |       |       |      |       |       |
| 6 x 6                       | 0.12                      | 36                              | 48    | 60    | 72    | 84    | 96   | 108   | 120   |
|                             | NC                        | <15                             | <15   | 16    | 19    | 21    | 23   | 25    | 27    |
| 8 x 6                       | 0.18                      | 54                              | 72    | 90    | 108   | 126   | 144  | 162   | 180   |
|                             | NC                        | <15                             | <15   | 17    | 19    | 21    | 23   | 25    | 27    |
| 10 x 6                      | 0.24                      | 72                              | 96    | 120   | 144   | 168   | 192  | 216   | 240   |
|                             | NC                        | <15                             | <15   | 17    | 20    | 22    | 24   | 26    | 28    |
| 12 x 6                      | 0.27                      | 81                              | 108   | 135   | 162   | 189   | 216  | 243   | 270   |
|                             | NC                        | <15                             | <15   | 18    | 20    | 22    | 24   | 26    | 28    |
| 14 x 6                      | 0.32                      | 96                              | 128   | 160   | 192   | 224   | 256  | 288   | 320   |
|                             | NC                        | <15                             | <15   | 18    | 21    | 23    | 25   | 27    | 29    |
| 16 x 6                      | 0.36                      | 108                             | 144   | 180   | 216   | 252   | 288  | 324   | 360   |
|                             | NC                        | <15                             | <15   | 19    | 21    | 23    | 25   | 27    | 29    |
| 18 x 6                      | 0.42                      | 126                             | 168   | 210   | 252   | 294   | 336  | 378   | 420   |
|                             | NC                        | <15                             | <15   | 19    | 22    | 24    | 26   | 28    | 30    |
| 20 x 6                      | 0.48                      | 144                             | 192   | 240   | 288   | 336   | 384  | 432   | 480   |
|                             | NC                        | <15                             | 15    | 20    | 22    | 25    | 27   | 29    | 32    |
| 24 x 6                      | 0.63                      | 189                             | 252   | 315   | 378   | 441   | 504  | 567   | 630   |
|                             | NC                        | <15                             | 16    | 21    | 24    | 27    | 29   | 31    | 34    |
| 30 x 6                      | 0.75                      | 225                             | 300   | 375   | 450   | 525   | 600  | 675   | 750   |
|                             | NC                        | <15                             | 18    | 24    | 27    | 29    | 31   | 33    | 36    |
| 36 x 6                      | 0.94                      | 282                             | 376   | 470   | 564   | 658   | 752  | 846   | 940   |
|                             | NC                        | 16                              | 20    | 27    | 29    | 31    | 34   | 37    | 41    |
| 8 x 8                       | 0.27                      | 81                              | 108   | 135   | 162   | 189   | 216  | 243   | 270   |
|                             | NC                        | <15                             | <15   | 16    | 19    | 21    | 23   | 26    | 28    |
| 10 x 8                      | 0.32                      | 96                              | 128   | 160   | 192   | 224   | 256  | 288   | 320   |
|                             | NC                        | <15                             | <15   | 17    | 20    | 22    | 24   | 26    | 28    |
| 12 x 8                      | 0.42                      | 126                             | 168   | 210   | 252   | 294   | 336  | 378   | 420   |
|                             | NC                        | <15                             | <15   | 18    | 21    | 23    | 25   | 27    | 30    |
| 14 x 8                      | 0.48                      | 144                             | 192   | 240   | 288   | 336   | 384  | 432   | 480   |
|                             | NC                        | <15                             | <15   | 19    | 22    | 24    | 27   | 29    | 31    |
| 16 x 8                      | 0.57                      | 171                             | 228   | 285   | 342   | 399   | 456  | 513   | 570   |
|                             | NC                        | <15                             | 16    | 20    | 23    | 26    | 28   | 30    | 32    |
| 18 x 8                      | 0.63                      | 189                             | 252   | 315   | 378   | 441   | 504  | 567   | 630   |
|                             | NC                        | <15                             | 17    | 21    | 24    | 26    | 29   | 31    | 33    |
| 20 x 8                      | 0.76                      | 228                             | 304   | 380   | 456   | 532   | 608  | 684   | 760   |
|                             | NC                        | <15                             | 18    | 22    | 24    | 27    | 29   | 31    | 33    |
| 24 x 8                      | 0.83                      | 249                             | 332   | 415   | 498   | 581   | 664  | 747   | 830   |
|                             | NC                        | 15                              | 19    | 23    | 25    | 28    | 30   | 32    | 34    |
| 30 x 8                      | 1.12                      | 336                             | 448   | 560   | 672   | 784   | 896  | 1008  | 1120  |
|                             | NC                        | 16                              | 21    | 26    | 29    | 31    | 33   | 35    | 37    |
| 36 x 8                      | 1.26                      | 378                             | 504   | 630   | 756   | 882   | 1008 | 1134  | 1260  |
|                             | NC                        | 17                              | 24    | 28    | 30    | 33    | 35   | 37    | 39    |

### ❖ RHS PERFORMANCE DATA

| Grilles<br>Sizes<br>In Inch | A.K<br>Factor<br>in Sq.Ft | Face Velocity (fpm)             |       |       |       |       |      |       |       |
|-----------------------------|---------------------------|---------------------------------|-------|-------|-------|-------|------|-------|-------|
|                             |                           | 300                             | 400   | 500   | 600   | 700   | 800  | 900   | 1000  |
|                             |                           | Negative Static Pressure ("W.G) |       |       |       |       |      |       |       |
|                             |                           | 0.013                           | 0.022 | 0.035 | 0.051 | 0.069 | 0.09 | 0.114 | 0.141 |
|                             |                           | AirFlow (cfm)                   |       |       |       |       |      |       |       |
| 40 x 8                      | 1.46                      | 438                             | 584   | 730   | 876   | 1022  | 1168 | 1314  | 1460  |
|                             | NC                        | 17                              | 26    | 30    | 32    | 35    | 37   | 39    | 41    |
| 48 x 8                      | 1.72                      | 516                             | 688   | 860   | 1032  | 1204  | 1376 | 1548  | 1720  |
|                             | NC                        | 18                              | 28    | 32    | 34    | 36    | 38   | 40    | 42    |
| 10 x 10                     | 0.42                      | 126                             | 168   | 210   | 252   | 294   | 336  | 378   | 420   |
|                             | NC                        | <15                             | <15   | 18    | 21    | 23    | 25   | 27    | 30    |
| 12 x 10                     | 0.48                      | 144                             | 192   | 240   | 288   | 336   | 384  | 432   | 480   |
|                             | NC                        | <15                             | <15   | 19    | 22    | 24    | 27   | 29    | 31    |
| 14 x 10                     | 0.57                      | 171                             | 228   | 285   | 342   | 399   | 456  | 513   | 570   |
|                             | NC                        | <15                             | 16    | 20    | 23    | 26    | 28   | 30    | 32    |
| 16 x 10                     | 0.63                      | 189                             | 252   | 315   | 378   | 441   | 504  | 567   | 630   |
|                             | NC                        | <15                             | 17    | 21    | 24    | 26    | 29   | 31    | 33    |
| 18 x 10                     | 0.75                      | 225                             | 300   | 375   | 450   | 525   | 600  | 675   | 750   |
|                             | NC                        | <15                             | 18    | 22    | 24    | 27    | 29   | 31    | 33    |
| 20 x 10                     | 0.83                      | 249                             | 332   | 415   | 498   | 581   | 664  | 747   | 830   |
|                             | NC                        | 15                              | 19    | 23    | 25    | 28    | 30   | 32    | 34    |
| 24 x 10                     | 1.12                      | 336                             | 448   | 560   | 672   | 784   | 896  | 1008  | 1120  |
|                             | NC                        | 16                              | 21    | 26    | 29    | 31    | 33   | 35    | 37    |
| 28 x 10                     | 1.21                      | 363                             | 484   | 605   | 726   | 847   | 968  | 1089  | 1210  |
|                             | NC                        | 17                              | 23    | 27    | 29    | 32    | 34   | 36    | 38    |
| 30 x 10                     | 1.26                      | 378                             | 504   | 630   | 756   | 882   | 1008 | 1134  | 1260  |
|                             | NC                        | 17                              | 24    | 28    | 30    | 33    | 35   | 37    | 39    |
| 36 x 10                     | 1.66                      | 498                             | 664   | 830   | 996   | 1162  | 1328 | 1494  | 1660  |
|                             | NC                        | 18                              | 26    | 30    | 32    | 35    | 37   | 39    | 41    |
| 40 x 10                     | 1.83                      | 549                             | 732   | 915   | 1098  | 1281  | 1464 | 1647  | 1830  |
|                             | NC                        | 18                              | 28    | 32    | 34    | 36    | 38   | 40    | 42    |
| 48 x 10                     | 2.18                      | 654                             | 872   | 1090  | 1308  | 1526  | 1744 | 1962  | 2180  |
|                             | NC                        | 19                              | 29    | 34    | 36    | 38    | 40   | 42    | 44    |
| 12 x 12                     | 0.63                      | 189                             | 252   | 315   | 378   | 441   | 504  | 567   | 630   |
|                             | NC                        | <15                             | 16    | 20    | 23    | 25    | 28   | 30    | 32    |
| 14 x 12                     | 0.75                      | 225                             | 300   | 375   | 450   | 525   | 600  | 675   | 750   |
|                             | NC                        | <15                             | 17    | 21    | 23    | 26    | 28   | 30    | 31    |
| 16 x 12                     | 0.83                      | 249                             | 332   | 415   | 498   | 581   | 664  | 747   | 830   |
|                             | NC                        | <15                             | 18    | 22    | 24    | 27    | 29   | 31    | 32    |
| 18 x 12                     | 0.94                      | 282                             | 376   | 470   | 564   | 658   | 752  | 846   | 940   |
|                             | NC                        | <15                             | 18    | 22    | 24    | 27    | 29   | 31    | 32    |
| 20 x 12                     | 1.03                      | 309                             | 412   | 515   | 618   | 721   | 824  | 927   | 1030  |
|                             | NC                        | <15                             | 19    | 23    | 25    | 28    | 30   | 32    | 33    |
| 24 x 12                     | 1.26                      | 378                             | 504   | 630   | 756   | 882   | 1008 | 1134  | 1260  |
|                             | NC                        | 15                              | 20    | 24    | 27    | 29    | 31   | 33    | 34    |
| 28 x 12                     | 1.4                       | 420                             | 560   | 700   | 840   | 980   | 1120 | 1260  | 1400  |
|                             | NC                        | 16                              | 21    | 25    | 28    | 31    | 33   | 35    | 36    |

### ❖ RHS PERFORMANCE DATA

| Grilles<br>Sizes<br>In Inch | A.K<br>Factor<br>in Sq.Ft | Face Velocity (fpm)             |       |       |       |       |      |       |       |
|-----------------------------|---------------------------|---------------------------------|-------|-------|-------|-------|------|-------|-------|
|                             |                           | 300                             | 400   | 500   | 600   | 700   | 800  | 900   | 1000  |
|                             |                           | Negative Static Pressure ("W.G) |       |       |       |       |      |       |       |
|                             |                           | 0.013                           | 0.022 | 0.035 | 0.051 | 0.069 | 0.09 | 0.114 | 0.141 |
|                             |                           | AirFlow (cfm)                   |       |       |       |       |      |       |       |
| 30 x 12                     | 1.46                      | 438                             | 584   | 730   | 876   | 1022  | 1168 | 1314  | 1460  |
|                             | NC                        | 17                              | 22    | 26    | 29    | 32    | 34   | 36    | 38    |
| 36 x 12                     | 1.95                      | 585                             | 780   | 975   | 1170  | 1365  | 1560 | 1755  | 1950  |
|                             | NC                        | 19                              | 24    | 28    | 31    | 33    | 35   | 37    | 39    |
| 40 x 12                     | 2.18                      | 654                             | 872   | 1090  | 1308  | 1526  | 1744 | 1962  | 2180  |
|                             | NC                        | 19                              | 25    | 28    | 31    | 34    | 36   | 37    | 39    |
| 44 x 12                     | 2.36                      | 708                             | 944   | 1180  | 1416  | 1652  | 1888 | 2124  | 2360  |
|                             | NC                        | 20                              | 25    | 29    | 32    | 34    | 37   | 38    | 40    |
| 48 x 12                     | 2.53                      | 759                             | 1012  | 1065  | 1518  | 1771  | 2024 | 2277  | 2530  |
|                             | NC                        | 20                              | 26    | 30    | 33    | 35    | 38   | 39    | 41    |
| 18 x 14                     | 1.12                      | 336                             | 448   | 560   | 672   | 784   | 896  | 1008  | 1120  |
|                             | NC                        | 15                              | 19    | 23    | 26    | 28    | 30   | 32    | 33    |
| 20 x 14                     | 1.26                      | 378                             | 504   | 630   | 756   | 882   | 1008 | 1134  | 1260  |
|                             | NC                        | 15                              | 20    | 24    | 27    | 29    | 31   | 33    | 34    |
| 24 x 14                     | 1.46                      | 438                             | 584   | 730   | 876   | 1022  | 1168 | 1314  | 1460  |
|                             | NC                        | 16                              | 21    | 25    | 28    | 30    | 32   | 34    | 36    |
| 28 x 14                     | 1.79                      | 537                             | 716   | 895   | 1074  | 1253  | 1432 | 1611  | 1790  |
|                             | NC                        | 17                              | 22    | 27    | 30    | 32    | 34   | 36    | 38    |
| 30 x 14                     | 1.95                      | 585                             | 780   | 975   | 1170  | 1365  | 1560 | 1755  | 1950  |
|                             | NC                        | 18                              | 23    | 28    | 31    | 33    | 35   | 37    | 39    |
| 36 x 14                     | 2.18                      | 654                             | 872   | 1090  | 1308  | 1526  | 1744 | 1962  | 2180  |
|                             | NC                        | 19                              | 24    | 29    | 32    | 34    | 36   | 38    | 40    |
| 16 x 16                     | 1.12                      | 336                             | 448   | 560   | 672   | 784   | 896  | 1008  | 1120  |
|                             | NC                        | <15                             | 18    | 22    | 25    | 27    | 29   | 31    | 32    |
| 18 x 16                     | 1.26                      | 378                             | 504   | 630   | 756   | 882   | 1008 | 1134  | 1260  |
|                             | NC                        | 15                              | 20    | 24    | 27    | 29    | 31   | 33    | 34    |
| 24 x 16                     | 1.72                      | 516                             | 688   | 860   | 1032  | 1204  | 1376 | 1548  | 1720  |
|                             | NC                        | 16                              | 22    | 26    | 29    | 31    | 33   | 35    | 37    |
| 30 x 16                     | 2.18                      | 654                             | 872   | 1090  | 1308  | 1526  | 1744 | 1962  | 2180  |
|                             | NC                        | 18                              | 24    | 28    | 31    | 53    | 36   | 37    | 39    |
| 36 x 16                     | 2.53                      | 759                             | 1012  | 1265  | 1518  | 1771  | 2024 | 2277  | 2530  |
|                             | NC                        | 19                              | 26    | 29    | 32    | 34    | 36   | 38    | 40    |
| 18 x 18                     | 1.46                      | 438                             | 584   | 730   | 876   | 1022  | 1168 | 1314  | 1460  |
|                             | NC                        | 16                              | 21    | 25    | 28    | 30    | 32   | 34    | 36    |
| 24 x 18                     | 1.95                      | 585                             | 780   | 975   | 1170  | 1365  | 1560 | 1755  | 1950  |
|                             | NC                        | 18                              | 23    | 28    | 31    | 33    | 35   | 37    | 39    |
| 30 x 18                     | 2.53                      | 759                             | 1012  | 1265  | 1518  | 1771  | 2024 | 2277  | 2530  |
|                             | NC                        | 19                              | 25    | 29    | 32    | 34    | 36   | 38    | 40    |
| 36 x 18                     | 3                         | 900                             | 1200  | 1500  | 1800  | 2100  | 2400 | 2700  | 3000  |
|                             | NC                        | 20                              | 26    | 30    | 33    | 35    | 37   | 39    | 41    |
| 48 x 18                     | 3.9                       | 1170                            | 1560  | 1950  | 2340  | 2730  | 3120 | 3510  | 3900  |
|                             | NC                        | 21                              | 27    | 31    | 34    | 36    | 38   | 40    | 42    |

### ✦ RHS PERFORMANCE DATA

| Grilles<br>Sizes<br>In Inch | A.K<br>Factor<br>in Sq.Ft | Face Velocity (fpm)             |       |       |       |       |      |       |       |
|-----------------------------|---------------------------|---------------------------------|-------|-------|-------|-------|------|-------|-------|
|                             |                           | 300                             | 400   | 500   | 600   | 700   | 800  | 900   | 1000  |
|                             |                           | Negative Static Pressure ("W.G) |       |       |       |       |      |       |       |
|                             |                           | 0.013                           | 0.022 | 0.035 | 0.051 | 0.069 | 0.09 | 0.114 | 0.141 |
|                             |                           | AirFlow (cfm)                   |       |       |       |       |      |       |       |
| 20 x 20                     | 1.72                      | 516                             | 688   | 860   | 1032  | 1204  | 1376 | 1548  | 1720  |
|                             | NC                        | 16                              | 22    | 26    | 29    | 31    | 33   | 35    | 37    |
| 24 x 20                     | 2.18                      | 654                             | 872   | 1090  | 1308  | 1526  | 1744 | 1962  | 2180  |
|                             | NC                        | 17                              | 23    | 27    | 30    | 33    | 35   | 37    | 39    |
| 30 x 20                     | 2.77                      | 831                             | 1108  | 1385  | 1662  | 1939  | 2216 | 2493  | 2770  |
|                             | NC                        | 18                              | 24    | 28    | 31    | 34    | 36   | 38    | 40    |
| 36 x 20                     | 3.25                      | 975                             | 1300  | 1625  | 1950  | 2275  | 2600 | 2925  | 3250  |
|                             | NC                        | 19                              | 26    | 29    | 32    | 35    | 37   | 39    | 41    |
| 40 x 20                     | 3.6                       | 1080                            | 1440  | 1800  | 2160  | 2520  | 2880 | 3240  | 3600  |
|                             | NC                        | 21                              | 27    | 30    | 33    | 36    | 38   | 40    | 42    |
| 48 x 20                     | 4.37                      | 1311                            | 1748  | 2185  | 2622  | 3059  | 3496 | 3933  | 4370  |
|                             | NC                        | 23                              | 28    | 31    | 34    | 36    | 38   | 40    | 42    |
| 24 x 24                     | 2.53                      | 759                             | 1012  | 1265  | 1518  | 1771  | 2024 | 2277  | 2530  |
|                             | NC                        | 19                              | 25    | 29    | 32    | 34    | 36   | 38    | 40    |
| 30 x 30                     | 4.37                      | 1311                            | 1748  | 2185  | 2622  | 3059  | 3496 | 3933  | 4370  |
|                             | NC                        | 23                              | 28    | 31    | 34    | 36    | 38   | 40    | 42    |

#### Notes:

- All pressures are in inch of water.
- N.C values are based on octave band 2-7 sound power levels minus a room absorption of 10db.