

**SERIES XG-4500F PERFORMANCE DATA**  
**MODEL XG-4500F/XG-4538F**

| Size           | Duct Area ft <sup>2</sup> | Nk Vel | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  | 1200  |
|----------------|---------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                |                           | Ps     | -.012 | -.022 | -.034 | -.049 | -.067 | -.087 | -.110 | -.136 | -.196 |
| 06x06          | .25                       | CFM    | 63    | 84    | 105   | 126   | 147   | 168   | 189   | 210   | 252   |
|                |                           | NC     | -     | -     | -     | -     | 20    | 22    | 27    | 28    | 32    |
| 08x06          | .33                       | CFM    | 86    | 115   | 143   | 172   | 201   | 229   | 258   | 286   | 344   |
|                |                           | NC     | -     | -     | -     | -     | 21    | 23    | 28    | 29    | 33    |
| 08x08          | .44                       | CFM    | 117   | 156   | 195   | 234   | 273   | 313   | 352   | 391   | 469   |
|                |                           | NC     | -     | -     | -     | -     | 26    | 25    | 30    | 31    | 35    |
| 12x06          | .50                       | CFM    | 132   | 176   | 220   | 264   | 307   | 351   | 395   | 439   | 527   |
|                |                           | NC     | -     | -     | -     | -     | 23    | 25    | 30    | 31    | 35    |
| 16x06<br>12x08 | .67                       | CFM    | 180   | 240   | 299   | 359   | 419   | 479   | 539   | 599   | 719   |
|                |                           | NC     | -     | -     | -     | 21    | 25    | 27    | 32    | 33    | 37    |
| 12x10          | .83                       | CFM    | 228   | 303   | 379   | 455   | 531   | 607   | 683   | 759   | 910   |
|                |                           | NC     | -     | -     | -     | 22    | 26    | 28    | 33    | 34    | 38    |
| 24x06<br>12x12 | 1.00                      | CFM    | 276   | 367   | 459   | 551   | 643   | 735   | 827   | 918   | 1102  |
|                |                           | NC     | -     | -     | -     | 22    | 26    | 28    | 33    | 34    | 38    |
| 14x12          | 1.16                      | CFM    | 323   | 431   | 539   | 647   | 755   | 863   | 970   | 1078  | 1294  |
|                |                           | NC     | -     | -     | 20    | 23    | 27    | 29    | 34    | 35    | 39    |
| 14x14          | 1.36                      | CFM    | 380   | 506   | 633   | 759   | 886   | 1013  | 1139  | 1139  | 1524  |
|                |                           | NC     | -     | -     | 21    | 24    | 28    | 30    | 35    | 36    | 40    |
| 18x18          | 2.25                      | CFM    | 638   | 851   | 1063  | 1276  | 1489  | 1701  | 1914  | 2127  | 2552  |
|                |                           | NC     | -     | 21    | 23    | 26    | 30    | 32    | 37    | 38    | 42    |
| 24x12<br>18x16 | 2.00                      | CFM    | 563   | 751   | 938   | 1126  | 1314  | 1501  | 1689  | 1877  | 2252  |
|                |                           | NC     | -     | 20    | 22    | 25    | 29    | 31    | 36    | 37    | 41    |
| 24x18          | 3.00                      | CFM    | 857   | 1142  | 1428  | 1714  | 1999  | 2285  | 2570  | 2856  | 3427  |
|                |                           | NC     | -     | 22    | 24    | 27    | 31    | 33    | 38    | 39    | 43    |
| 48x12<br>24x24 | 4.00                      | CFM    | 1151  | 1534  | 1918  | 2301  | 2685  | 3068  | 3452  | 3835  | 4602  |
|                |                           | NC     | 21    | 24    | 26    | 29    | 33    | 35    | 40    | 41    | 45    |
| 30x20          | 4.17                      | CFM    | 1198  | 1598  | 1997  | 2397  | 2797  | 3196  | 3595  | 3995  | 4794  |
|                |                           | NC     | 21    | 24    | 26    | 29    | 33    | 35    | 40    | 41    | 45    |
| 36x20<br>30x24 | 5.00                      | CFM    | 1444  | 1926  | 2407  | 2889  | 3370  | 3851  | 4333  | 4814  | 5777  |
|                |                           | NC     | 22    | 25    | 27    | 30    | 34    | 36    | 41    | 42    | 46    |
| 36x22          | 5.50                      | CFM    | 1590  | 2120  | 2650  | 3180  | 3710  | 4240  | 4770  | 5300  | 6360  |
|                |                           | NC     | 22    | 25    | 27    | 30    | 34    | 36    | 41    | 42    | 46    |
| 48x18<br>36x24 | 6.00                      | CFM    | 1738  | 2317  | 2897  | 3476  | 4055  | 4635  | 5214  | 5793  | 6952  |
|                |                           | NC     | 22    | 25    | 27    | 30    | 34    | 36    | 41    | 42    | 46    |
| 48x24<br>36x32 | 8.00                      | CFM    | 2326  | 3101  | 3876  | 4651  | 5426  | 6201  | 6977  | 7752  | 9302  |
|                |                           | NC     | 24    | 27    | 29    | 32    | 36    | 38    | 43    | 44    | 48    |
| 48x30<br>42x34 | 10.00                     | CFM    | 2919  | 3892  | 4865  | 5839  | 6812  | 7785  | 8758  | 9731  | 11677 |
|                |                           | NC     | 25    | 28    | 30    | 33    | 37    | 39    | 44    | 45    | 49    |

**CONTINUED**

**SERIES XG-4500F PERFORMANCE DATA**  
**MODEL XG-4500F/XG-4538F**

| Size  | Duct Area ft <sup>2</sup> | Nk Vel | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  | 1200  |
|-------|---------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |                           | Ps     | -.012 | -.022 | -.034 | -.049 | -.067 | -.087 | -.110 | -.136 | -.196 |
| 48x36 | 12.00                     | CFM    | 3513  | 4684  | 5855  | 7026  | 8197  | 9368  | 10539 | 11710 | 14052 |
|       |                           | NC     | 25    | 28    | 30    | 33    | 37    | 39    | 44    | 45    | 49    |
| 48x40 | 13.33                     | CFM    | 3909  | 5212  | 6515  | 7818  | 9121  | 10424 | 11727 | 13030 | 15635 |
|       |                           | NC     | 26    | 29    | 31    | 24    | 28    | 40    | 45    | 46    | 50    |
| 48x48 | 16.00                     | CFM    | 4701  | 6267  | 7837  | 9401  | 10968 | 12535 | 14102 | 15668 | 18802 |
|       |                           | NC     | 27    | 30    | 32    | 35    | 39    | 41    | 46    | 47    | 51    |

**PERFORMANCE NOTES FOR SERIES XG-4500F**

All data is tested in accordance with ANSI/ASHRAE 70-2006.

**DEFINITION OF UNITS**

CFM Cubic Feet per Minute (air)

Nk Vel Neck Velocity of air stream in Feet per Minute

Ps Negative Static pressure (inches of water column)

NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (Lw)

RE: 10<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands.

**SERIES XG-4500 PERFORMANCE DATA**  
**MODEL XG-4538**

| Size           | Duct Area ft <sup>2</sup> | Nk Vel | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  | 1200  |
|----------------|---------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                |                           | Ps     | -.012 | -.022 | -.034 | -.049 | -.067 | -.087 | -.110 | -.136 | -.196 |
| 06x06          | .25                       | CFM    | 63    | 84    | 105   | 126   | 147   | 168   | 189   | 210   | 252   |
|                |                           | NC     | -     | -     | -     | -     | 23    | 27    | 32    | 37    | 48    |
| 08x06          | .33                       | CFM    | 86    | 115   | 143   | 172   | 201   | 229   | 258   | 286   | 344   |
|                |                           | NC     | -     | -     | -     | -     | 24    | 28    | 33    | 38    | 49    |
| 08x08          | .44                       | CFM    | 117   | 156   | 195   | 234   | 273   | 313   | 352   | 391   | 469   |
|                |                           | NC     | -     | -     | -     | 21    | 26    | 30    | 35    | 40    | 51    |
| 12x06          | .50                       | CFM    | 132   | 176   | 220   | 264   | 307   | 351   | 395   | 439   | 527   |
|                |                           | NC     | -     | -     | -     | 21    | 26    | 30    | 35    | 40    | 51    |
| 16x06<br>12x08 | .67                       | CFM    | 180   | 240   | 299   | 359   | 419   | 479   | 539   | 599   | 719   |
|                |                           | NC     | -     | -     | -     | 23    | 28    | 28    | 37    | 42    | 53    |
| 12x10          | .83                       | CFM    | 228   | 303   | 379   | 455   | 531   | 607   | 683   | 759   | 910   |
|                |                           | NC     | -     | -     | 20    | 24    | 29    | 33    | 38    | 43    | 54    |
| 24x06<br>12x12 | 1.00                      | CFM    | 276   | 367   | 459   | 551   | 643   | 735   | 827   | 918   | 1102  |
|                |                           | NC     | -     | -     | 20    | 24    | 29    | 33    | 38    | 43    | 54    |
| 14x12          | 1.16                      | CFM    | 323   | 431   | 539   | 647   | 755   | 863   | 970   | 1078  | 1294  |
|                |                           | NC     | -     | -     | 21    | 25    | 30    | 34    | 39    | 44    | 55    |
| 14x14          | 1.36                      | CFM    | 380   | 506   | 633   | 759   | 886   | 1013  | 1139  | 1139  | 1524  |
|                |                           | NC     | -     | -     | 22    | 26    | 31    | 35    | 40    | 40    | 48    |
| 18x18          | 2.25                      | CFM    | 638   | 851   | 1063  | 1276  | 1489  | 1701  | 1914  | 2127  | 2552  |
|                |                           | NC     | -     | 20    | 24    | 28    | 33    | 37    | 42    | 47    | 58    |
| 24x12<br>18x16 | 2.00                      | CFM    | 563   | 751   | 938   | 1126  | 1314  | 1501  | 1689  | 1877  | 2252  |
|                |                           | NC     | -     | 19    | 23    | 27    | 32    | 36    | 41    | 46    | 57    |
| 24x18          | 3.00                      | CFM    | 857   | 1142  | 1428  | 1714  | 1999  | 2285  | 2570  | 2856  | 3427  |
|                |                           | NC     | -     | 21    | 25    | 29    | 34    | 38    | 43    | 48    | 59    |
| 48x12<br>24x24 | 4.00                      | CFM    | 1151  | 1534  | 1918  | 2301  | 2685  | 3068  | 3452  | 3835  | 4602  |
|                |                           | NC     | 20    | 23    | 27    | 31    | 36    | 40    | 45    | 50    | 61    |
| 30x20          | 4.17                      | CFM    | 1198  | 1598  | 1997  | 2397  | 2797  | 3196  | 3595  | 3995  | 4794  |
|                |                           | NC     | 20    | 23    | 27    | 27    | 31    | 36    | 45    | 50    | 61    |
| 36x20<br>30x24 | 5.00                      | CFM    | 1444  | 1926  | 2407  | 2889  | 3370  | 3851  | 4333  | 4814  | 5777  |
|                |                           | NC     | 21    | 24    | 28    | 32    | 37    | 41    | 46    | 51    | 62    |
| 36x22          | 5.50                      | CFM    | 1738  | 2317  | 2897  | 3476  | 4055  | 4635  | 5214  | 5793  | 6952  |
|                |                           | NC     | 21    | 24    | 28    | 32    | 37    | 41    | 46    | 51    | 62    |
| 48x18<br>36x24 | 6.00                      | CFM    | 2205  | 2940  | 3674  | 4409  | 5144  | 5879  | 6614  | 7349  | 8819  |
|                |                           | NC     | 22    | 25    | 29    | 33    | 38    | 42    | 47    | 52    | 63    |
| 48x24<br>36x32 | 8.00                      | CFM    | 2326  | 3101  | 3876  | 4651  | 5426  | 6201  | 6977  | 7752  | 9302  |
|                |                           | NC     | 23    | 26    | 30    | 34    | 39    | 43    | 48    | 53    | 64    |

**CONTINUED**

**SERIES XG-4500 PERFORMANCE DATA**  
**MODEL XG-4538**

| Size           | Duct Area ft <sup>2</sup> | Nk Vel | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  | 1200  |
|----------------|---------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                |                           | Ps     | -.012 | -.022 | -.034 | -.049 | -.067 | -.087 | -.110 | -.136 | -.196 |
| 48x30<br>42x34 | 10.00                     | CFM    | 2919  | 3892  | 4865  | 5839  | 6812  | 7785  | 8758  | 9731  | 11677 |
|                |                           | NC     | 24    | 27    | 31    | 35    | 40    | 44    | 49    | 54    | 65    |
| 48x36          | 12.00                     | CFM    | 3513  | 4684  | 5855  | 7026  | 8197  | 9368  | 10539 | 11710 | 14052 |
|                |                           | NC     | 24    | 27    | 31    | 35    | 40    | 44    | 49    | 54    | 65    |
| 48x40          | 13.33                     | CFM    | 3909  | 5212  | 6515  | 7818  | 9121  | 10424 | 11727 | 13030 | 15635 |
|                |                           | NC     | 25    | 28    | 32    | 36    | 41    | 45    | 50    | 55    | 66    |
| 48x48          | 16.00                     | CFM    | 4701  | 6267  | 7834  | 9401  | 10968 | 12535 | 14102 | 15668 | 18802 |
|                |                           | NC     | 26    | 29    | 33    | 37    | 42    | 46    | 51    | 56    | 67    |

**PERFORMANCE NOTES FOR SERIES XG-4500**

All data is tested in accordance with ANSI/ASHRAE 70-2006.

**DEFINITION OF UNITS**

CFM Cubic Feet per Minute (air)

Nk Vel Neck Velocity of air stream in Feet per Minute

Ps Negative Static pressure (inches of water column)

NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (Lw)

RE: 10<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands.