

**XG-EP5750 PERFORMANCE DATA**  
**MODEL XG-EP5750**

| Neck Size | Neck Velocity |       | 400      | 500      | 600      | 700      | 800      | 900     | 1000     | 1200     | 1400     | 1600     |
|-----------|---------------|-------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|
| 6"        | Core Area     | CFM   | 79       | 98       | 118      | 137      | 157      | 177     | 196      | 236      | 275      | 314      |
|           | Ac            | Ps    | 0.003    | 0.004    | 0.006    | 0.008    | 0.011    | 0.013   | 0.017    | 0.024    | 0.032    | 0.042    |
|           | 0.1975        | NC    | <15      | <15      | <15      | <15      | <15      | 17      | 20       | 25       | 29       | 33       |
|           |               | Throw | <2-<2-<2 | <2-<2-<2 | <2-<2-<2 | <2-<2-<2 | <2-<2-<2 | <2-<2-3 | <2-<2-6  | <2-3-7   | <2-4-9   | 2-5-11   |
| 8"        | Core Area     | CFM   | 140      | 175      | 209      | 244      | 279      | 314     | 349      | 419      | 489      | 559      |
|           | Ac            | Ps    | 0.005    | 0.007    | 0.011    | 0.015    | 0.019    | 0.03    | 0.03     | 0.043    | 0.058    | 0.076    |
|           | 0.35          | NC    | <15      | <15      | <15      | <15      | 17       | 20      | 24       | 29       | 34       | 38       |
|           |               | Throw | <2-<2-<2 | <2-<2-3  | <2-<2-4  | <2-<2-6  | <2-2-8   | <2-3-9  | 2-4-10   | 2-6-12   | 3-7-14   | 4-9-16   |
| 10"       | Core Area     | CFM   | 218      | 273      | 327      | 382      | 436      | 491     | 545      | 654      | 764      | 873      |
|           | Ac            | Ps    | 0.011    | 0.017    | 0.025    | 0.034    | 0.045    | 0.057   | 0.07     | 0.1      | 0.137    | 0.179    |
|           | 0.545         | NC    | <15      | <15      | <15      | 17       | 21       | 25      | 28       | 34       | 40       | 44       |
|           |               | Throw | <2-<2-6  | <2-<2-9  | <2-<2-10 | 2-3-12   | 3-5-13   | 3-6-14  | 4-7-15   | 4-10-17  | 5-11-18  | 6-13-20  |
| 12"       | Core Area     | CFM   | 314      | 393      | 471      | 550      | 628      | 707     | 785      | 942      | 1100     | 1257     |
|           | Ac            | Ps    | 0.025    | 0.039    | 0.056    | 0.09     | 0.099    | 0.125   | 0.154    | 0.222    | 0.302    | 0.395    |
|           | 0.785         | NC    | <15      | <15      | 16       | 22       | 26       | 30      | 34       | 41       | 46       | >50      |
|           |               | Throw | <2-2-11  | 3-2-14   | 4-5-16   | 5-7-18   | 6-9-19   | 6-10-20 | 7-11-21  | 7-15-23  | 8-16-25  | 9-18-27  |
| 14"       | Core Area     | CFM   | 428      | 535      | 641      | 748      | 855      | 962     | 1069     | 1283     | 1497     | 1710     |
|           | Ac            | Ps    | 0.049    | 0.076    | 0.11     | 0.149    | 0.195    | 0.246   | 0.304    | 0.438    | 0.596    | 0.779    |
|           | 1.07          | NC    | <15      | 15       | 22       | 27       | 32       | 37      | 41       | 48       | >50      | >50      |
|           |               | Throw | 4-6-13   | 5-9-17   | 6-12-20  | 7-14-23  | 8-15-25  | 9-17-27 | 10-18-29 | 11-21-32 | 12-23-35 | 13-24-38 |

**PERFORMANCE NOTES FOR XG-EP5750**

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

**DEFINITION OF UNITS**

CFM Cubic Feet per Minute (air volume)

Nk Vel Neck velocity is the airstream velocity in the duct just before it reaches the supply outlet.

fpm Velocity of air stream in Feet per Minute

Throw Throw distance in feet are for the terminal velocities of 150fpm, 100fpm and 50fpm respectively.

Ps Static pressure =  $P_t - P_v$  (inches of water column)

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re:  $10^{-12}$  watts minus a 10dB room attenuation in all octave bands

Ac Core Area in square feet