

Diffuser Airflow Specifications

**Model Shallow 12.5 inch diameter Quick-Connect Grille™**

**Ak= 0.232**

| Airflow, CFM | Pressure Loss (inches water gauge) | Throw (Feet) | NC | Slot Velocity (ft/min) |
|--------------|------------------------------------|--------------|----|------------------------|
| 55           | 0.002                              | 1.4          | <5 | 237                    |
| 75           | 0.004                              | 1.8          | <5 | 323                    |
| 90           | 0.006                              | 2.1          | <5 | 388                    |
| 110          | 0.009                              | 2.4          | <5 | 474                    |
| 125          | 0.012                              | 2.7          | <5 | 539                    |
| 150          | 0.017                              | 3.1          | <5 | 647                    |
| 175          | 0.024                              | 3.5          | 5  | 754                    |
| 200          | 0.031                              | 3.9          | 9  | 862                    |
| 250          | 0.049                              | 4.6          | 16 | 1078                   |
| 300          | 0.071                              | 5.3          | 21 | 1293                   |
| 350          | 0.097                              | 6.0          | 26 | 1509                   |

**Model Shallow 11 ¼ inch square Quick-Connect Grille™**

**Ak= 0.142**

| Airflow, CFM | Pressure Loss (inches water gauge) | Throw (Feet) | NC | Slot Velocity (ft/min) |
|--------------|------------------------------------|--------------|----|------------------------|
| 55           | 0.002                              | 2.4          | <5 | 387                    |
| 75           | 0.003                              | 3.4          | <5 | 528                    |
| 90           | 0.004                              | 4.1          | <5 | 634                    |
| 110          | 0.006                              | 5.1          | <5 | 775                    |
| 125          | 0.008                              | 5.9          | <5 | 880                    |
| 150          | 0.012                              | 7.1          | <5 | 1056                   |
| 175          | 0.017                              | 8.4          | <5 | 1232                   |
| 200          | 0.022                              | 9.7          | 5  | 1408                   |
| 250          | 0.035                              | 12.4         | 12 | 1761                   |
| 300          | 0.051                              | 15.1         | 18 | 2113                   |
| 350          | 0.070                              | 17.8         | 22 | 2465                   |

**Model Deep 12.5 inch diameter Quick-Connect Grille™**

**Ak= 0.226**

| Airflow, CFM | Pressure Loss (inches water gauge) | Throw (Feet) | NC | Slot Velocity (ft/min) |
|--------------|------------------------------------|--------------|----|------------------------|
| 55           | 0.003                              | 0.1          | <5 | 243                    |
| 75           | 0.006                              | 0.1          | <5 | 332                    |
| 90           | 0.008                              | 0.2          | <5 | 398                    |
| 110          | 0.013                              | 0.3          | <5 | 487                    |
| 125          | 0.017                              | 0.4          | <5 | 553                    |
| 150          | 0.024                              | 0.5          | 10 | 664                    |
| 175          | 0.034                              | 0.7          | 14 | 774                    |
| 200          | 0.045                              | 1.0          | 18 | 885                    |
| 250          | 0.071                              | 1.5          | 24 | 1106                   |
| 300          | 0.104                              | 2.2          | 30 | 1327                   |
| 350          | 0.144                              | 3.0          | 34 | 1549                   |

**Model Deep 12 ¼ inch square Quick-Connect Grille™**

**Ak= 0.172**

| Airflow, CFM | Pressure Loss (inches water gauge) | Throw (Feet) | NC | Slot Velocity (ft/min) |
|--------------|------------------------------------|--------------|----|------------------------|
| 55           | 0.003                              | 3.0          | <5 | 320                    |
| 75           | 0.006                              | 3.8          | <5 | 436                    |
| 90           | 0.008                              | 4.4          | <5 | 523                    |
| 110          | 0.013                              | 5.1          | <5 | 640                    |
| 125          | 0.016                              | 5.7          | 7  | 727                    |
| 150          | 0.024                              | 6.6          | 12 | 872                    |
| 175          | 0.033                              | 7.4          | 16 | 1017                   |
| 200          | 0.043                              | 8.3          | 19 | 1163                   |
| 250          | 0.069                              | 9.9          | 25 | 1453                   |
| 300          | 0.100                              | 11.4         | 29 | 1744                   |
| 350          | 0.138                              | 12.9         | 33 | 2035                   |

All grills were installed with QuickConnect Boot Grille Kit™.

The throw distance listed above represents a terminal velocity of 50 feet per minute.