

| SASD Architectural Performance Data |      |       |        |          |          |        |        |       |
|-------------------------------------|------|-------|--------|----------|----------|--------|--------|-------|
| 24x24 Modules                       |      |       |        |          |          |        |        |       |
|                                     | Air  | Neck  | Total  | Static   | Noise    | Throw  | Throw  | Throw |
|                                     | Flow | Velo. | Press. | Press.   | Criteria | Vt=150 | Vt=100 | Vt=75 |
|                                     | CFM  | FPM   | in W.G | in. W.G. | NC       | Ft.    | Ft.    | Ft.   |
| Size                                | 100  | 286   | 0.02   | 0.015    | <20      | 1      | 2      | 3     |
| 8"                                  | 150  | 430   | 0.06   | 0.048    | <20      | 2      | 3      | 4     |
|                                     | 200  | 580   | 0.10   | 0.079    | <20      | 3      | 4      | 5     |
|                                     | 250  | 715   | 0.16   | 0.128    | 23       | 4      | 5      | 7     |
|                                     | 300  | 860   | 0.23   | 0.184    | 30       | 4      | 7      | 9     |
|                                     | 350  | 1005  | 0.31   | 0.247    | 36       | 5      | 8      | 10    |
|                                     | 400  | 1145  | 0.40   | 0.337    | 41       | 6      | 9      | 12    |
| Size                                | 200  | 366   | 0.05   | 0.042    | <20      | 2      | 3      | 5     |
| 10"                                 | 250  | 458   | 0.08   | 0.067    | <20      | 3      | 4      | 6     |
|                                     | 300  | 550   | 0.11   | 0.091    | <20      | 4      | 5      | 7     |
|                                     | 400  | 734   | 0.20   | 0.166    | 24       | 5      | 7      | 10    |
|                                     | 500  | 917   | 0.30   | 0.247    | 37       | 6      | 9      | 12    |
|                                     | 600  | 1100  | 0.43   | 0.354    | 44       | 7      | 11     | 14    |
| Size                                | 300  | 382   | 0.08   | 0.074    | <20      | 3      | 4      | 6     |
| 12"                                 | 400  | 509   | 0.13   | 0.114    | 21       | 4      | 6      | 8     |
|                                     | 500  | 636   | 0.21   | 0.185    | 29       | 5      | 7      | 10    |
|                                     | 600  | 763   | 0.31   | 0.274    | 35       | 6      | 9      | 12    |
|                                     | 700  | 890   | 0.41   | 0.360    | 41       | 7      | 10     | 14    |
|                                     | 800  | 1018  | 0.54   | 0.475    | 45       | 8      | 12     | 16    |
| Size                                | 400  | 374   | 0.08   | 0.071    | <20      | 3      | 5      | 7     |
| 14"                                 | 500  | 468   | 0.13   | 0.116    | <20      | 4      | 6      | 8     |
|                                     | 600  | 561   | 0.18   | 0.160    | 21       | 5      | 8      | 10    |
|                                     | 700  | 654   | 0.25   | 0.223    | 27       | 6      | 9      | 12    |
|                                     | 800  | 748   | 0.33   | 0.295    | 32       | 7      | 10     | 13    |
|                                     | 1000 | 935   | 0.51   | 0.455    | 40       | 8      | 13     | 17    |
|                                     | 1100 | 1028  | 0.60   | 0.534    | 43       | 9      | 14     | 18    |

**PERFORMANCE DATA NOTES:**

**Performance** Based on ADC test code 1062 GRD-84

**Throw:** Distance in feet radially from the diffuser center at which the maximum velocity has been reduced to a specified terminal velocity (Vt)

**Terminal Velocity:** Maximum velocity (Vt) in feet per minute at the specified distance from the diffuser center.

**Air Flow:** In cubic feet per minute at standard air conditions and isothermal conditions.

**Total & Static Pressure:** In inches of water gauge

**Noise Criteria:** Noise criteria (NC) Curve which is not exceeded with a room attenuation of 10db and based on a sound power level RE: 10-12 watts.