

Performance Data



1/3" Linear Return Air Grilles

| Size (Width In.) | Core Eff. Area (ft ²) | Neck Velocity (FPM) Velocity Pressure | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------------------|--------------------------------------|--|-----|-----|-----|-----|-----|-----|-----|------|
| 1 1/2 | 0.065 | CFM/ft | 19 | 26 | 32 | 39 | 45 | 52 | 58 | 65 |
| 2 | 0.090 | CFM/ft | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 2 1/2 | 0.115 | CFM/ft | 34 | 46 | 57 | 69 | 80 | 92 | 103 | 115 |
| 3 | 0.140 | CFM/ft | 42 | 56 | 70 | 84 | 98 | 112 | 126 | 140 |
| 3 1/2 | 0.165 | CFM/ft | 49 | 66 | 82 | 99 | 115 | 132 | 148 | 165 |
| 4 | 0.190 | CFM/ft | 57 | 76 | 95 | 114 | 133 | 152 | 171 | 190 |
| 5 | 0.240 | CFM/ft | 72 | 96 | 120 | 144 | 168 | 192 | 216 | 240 |
| 6 | 0.289 | CFM/ft | 87 | 116 | 145 | 174 | 203 | 232 | 261 | 289 |
| 8 | 0.389 | CFM/ft | 117 | 156 | 195 | 234 | 273 | 311 | 350 | 389 |
| 10 | 0.489 | CFM/ft | 147 | 196 | 245 | 293 | 342 | 391 | 440 | 489 |
| 12 | 0.589 | CFM/ft | 177 | 236 | 294 | 353 | 412 | 471 | 530 | 589 |
| 14 | 0.689 | CFM/ft | 207 | 276 | 344 | 413 | 482 | 551 | 620 | 689 |

Performance Notes:

- 1) All values in above table are per linear foot
- 2) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 3) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006

Throw Correction for Length

| Active Length (feet) | 1' | 2' | 3' | 4' |
|----------------------|---------------|-----|-----|-----|
| Throw Correction | 1 (published) | 1.4 | 1.9 | 2.4 |