

Performance Data



1/2" 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 | 0.070 | CFM/ft | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 2 | 0.100 | CFM/ft | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 2 1/2 | 0.130 | CFM/ft | 39 | 52 | 65 | 78 | 91 | 104 | 117 | 130 |
| 3 | 0.160 | CFM/ft | 48 | 64 | 80 | 96 | 112 | 128 | 144 | 160 |
| 3 1/2 | 0.190 | CFM/ft | 57 | 76 | 95 | 114 | 133 | 152 | 171 | 190 |
| 4 | 0.220 | CFM/ft | 66 | 88 | 110 | 132 | 154 | 176 | 198 | 220 |
| 5 | 0.280 | CFM/ft | 84 | 112 | 140 | 168 | 196 | 224 | 252 | 280 |
| 6 | 0.339 | CFM/ft | 102 | 136 | 170 | 204 | 238 | 272 | 305 | 339 |
| 8 | 0.459 | CFM/ft | 138 | 184 | 230 | 276 | 321 | 367 | 413 | 459 |
| 10 | 0.579 | CFM/ft | 174 | 232 | 289 | 347 | 405 | 463 | 521 | 579 |
| 12 | 0.699 | CFM/ft | 210 | 280 | 349 | 419 | 489 | 559 | 629 | 699 |
| 14 | 0.819 | CFM/ft | 246 | 327 | 409 | 491 | 573 | 655 | 737 | 819 |

Performance Notes:

- 1) All values in above table are per linear foot being utilized by the air
- 2) Effective core areas listed in chart are defined as the measurement of space between the blades actually
- 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 |