

Performance Data



452 Series

| Size | Eff. Area (ft ²) | Velocity Duct Pt. | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | | | | | | | | | | | | | | | | | | |
|-------|------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|
| | | | 0.007 | 0.011 | 0.017 | 0.024 | 0.034 | 0.044 | 0.055 | 0.068 | 0.1 | | | | | | | | | | | | | | | | | | |
| 14x14 | 1.037 | CFM | 311 | | | 415 | | | 518 | | | 622 | | | 726 | | | 829 | | | 933 | | | 1037 | | | 1244 | | |
| | | NC | <20 | | | 25 | | | 30 | | | 30 | | | 30 | | | 30 | | | 35 | | | 35 | | | 40 | | |
| | | Throw | 6 | 7 | 8 | 7 | 9 | 11 | 9 | 11 | 13 | 11 | 13 | 17 | 13 | 15 | 20 | 14 | 16 | 22 | 14 | 17 | 25 | 16 | 19 | 30 | 17 | 21 | 31 |
| 16x16 | 1.374 | CFM | 412 | | | 550 | | | 687 | | | 824 | | | 962 | | | 1099 | | | 1236 | | | 1374 | | | 1649 | | |
| | | NC | <20 | | | 25 | | | 30 | | | 30 | | | 30 | | | 30 | | | 35 | | | 35 | | | 40 | | |
| | | Throw | 6 | 7 | 9 | 8 | 9.5 | 12 | 10 | 12 | 15 | 12 | 14 | 18 | 14 | 16 | 22 | 15 | 18 | 24 | 15 | 18 | 28 | 18 | 22 | 32 | 19 | 24 | 36 |
| 18x18 | 1.681 | CFM | 504 | | | 672 | | | 840 | | | 1008 | | | 1177 | | | 1345 | | | 1513 | | | 1681 | | | 2017 | | |
| | | NC | 20 | | | 25 | | | 30 | | | 30 | | | 35 | | | 35 | | | 35 | | | 35 | | | 40 | | |
| | | Throw | 7 | 8 | 10 | 9 | 11 | 13 | 12 | 14 | 17 | 14 | 16 | 21 | 15 | 18 | 24 | 17 | 20 | 28 | 18 | 22 | 32 | 20 | 24 | 36 | 20 | 26 | 40 |
| 20x20 | 1.868 | CFM | 560 | | | 747 | | | 934 | | | 1121 | | | 1307 | | | 1494 | | | 1681 | | | 1868 | | | 2241 | | |
| | | NC | 20 | | | 25 | | | 30 | | | 30 | | | 35 | | | 35 | | | 35 | | | 40 | | | 40 | | |
| | | Throw | 8 | 9 | 11 | 10 | 12 | 15 | 14 | 16 | 19 | 15 | 18 | 24 | 16 | 20 | 27 | 19 | 22 | 31 | 20 | 24 | 35 | 21 | 26 | 40 | 22 | 29 | 43 |
| 24x24 | 2.988 | CFM | 896 | | | 1195 | | | 1494 | | | 1793 | | | 2092 | | | 2390 | | | 2689 | | | 2988 | | | 3586 | | |
| | | NC | 20 | | | 25 | | | 30 | | | 30 | | | 35 | | | 35 | | | 35 | | | 40 | | | 40 | | |
| | | Throw | 9 | 11 | 13 | 12 | 14 | 17 | 15 | 18 | 22 | 17 | 20 | 27 | 19 | 24 | 32 | 21 | 27 | 37 | 22 | 28 | 42 | 23 | 30 | 46 | 24 | 32 | 48 |

Performance Notes:

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 2) Throw data is based on supply air and room air both at isothermal conditions
- 3) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006