

| NOM SIZE (Ak) | VEL | 100 | 300 | 500 | 700 | 900 | 1100 | 1300 | 1400 | 1500 | 1600 |
|---------------|-------|---------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | Pt | .01 | .02 | .05 | .09 | .15 | .22 | .31 | .36 | .42 | .47 |
| 6 x 6 (.06) | CFM | 10 | 35 | 55 | 80 | 100 | 120 | 145 | 155 | 165 | 180 |
| | THROW | 1-1-5 | 6-9-12 | 9-11-16 | 11-13-19 | 12-15-21 | 13-16-23 | 15-18-26 | 15-19-26 | 16-19-27 | 16-20-29 |
| | NC | <20 | <20 | <20 | <20 | 24 | 29 | 34 | 36 | 39 | 42 |
| 8 X 6 (.09) | CFM | 15 | 50 | 85 | 115 | 150 | 185 | 215 | 235 | 250 | 265 |
| | THROW | 1-1-6 | 7-10-15 | 11-14-19 | 13-16-23 | 15-18-26 | 16-20-29 | 18-22-31 | 19-23-33 | 19-24-34 | 20-24-35 |
| | NC | <20 | <20 | <20 | <20 | 25 | 31 | 35 | 38 | 40 | 42 |
| 8 x 8 (.14) | CFM | 25 | 75 | 125 | 175 | 225 | 275 | 325 | 350 | 375 | 400 |
| | THROW | 1-2-8 | 8-13-18 | 13-17-24 | 16-20-28 | 18-22-32 | 20-25-35 | 22-27-39 | 23-28-40 | 24-29-41 | 24-30-43 |
| | NC | <20 | <20 | <20 | 20 | 27 | 33 | 37 | 39 | 41 | 43 |
| 12 x 6 (.15) | CFM | 30 | 85 | 140 | 195 | 250 | 305 | 360 | 390 | 415 | 445 |
| | THROW | 1-30-10 | 9-14-19 | 14-18-25 | 17-21-30 | 19-24-34 | 21-26-37 | 23-29-41 | 24-30-42 | 25-31-44 | 26-32-45 |
| | NC | <20 | <20 | <20 | 20 | 27 | 33 | 38 | 40 | 42 | 44 |
| 12 x 8 (.23) | CFM | 40 | 125 | 210 | 290 | 375 | 460 | 540 | 585 | 625 | 665 |
| | THROW | 1-3-10 | 11-16-24 | 18-22-31 | 21-26-36 | 24-29-41 | 26-32-46 | 29-35-50 | 30-37-52 | 31-38-54 | 32-39-55 |
| | NC | <20 | <20 | <20 | 21 | 29 | 35 | 39 | 41 | 43 | 45 |
| 12 x 10 (.31) | CFM | 55 | 165 | 280 | 390 | 500 | 610 | 720 | 780 | 835 | 890 |
| | THROW | 1-4-12 | 12-19-27 | 20-25-36 | 24-30-42 | 27-34-48 | 30-37-53 | 33-41-58 | 34-42-60 | 36-44-62 | 37-45-64 |
| | NC | <20 | <20 | <20 | 23 | 30 | 36 | 40 | 43 | 45 | 46 |
| 12 x 12 (.39) | CFM | 70 | 210 | 345 | 485 | 625 | 765 | 900 | 970 | 1040 | 1110 |
| | THROW | 2-4-14 | 14-21-31 | 23-28-40 | 27-33-47 | 31-38-54 | 34-42-59 | 37-45-64 | 38-47-67 | 40-49-69 | 41-50-72 |
| | NC | <20 | <20 | <20 | 24 | 31 | 37 | 42 | 44 | 46 | 47 |
| 14 x 12 (.46) | CFM | 85 | 250 | 415 | 585 | 750 | 915 | 1085 | 1165 | 1250 | 1335 |
| | THROW | 2-5-16 | 15-23-34 | 25-31-44 | 30-37-52 | 34-41-59 | 37-46-65 | 41-50-71 | 42-52-73 | 44-54-76 | 45-55-79 |
| | NC | <20 | <20 | <20 | 25 | 32 | 38 | 43 | 44 | 46 | 48 |
| 14 x 14 (.56) | CFM | 100 | 300 | 500 | 700 | 900 | 1100 | 1300 | 1400 | 1500 | 1600 |
| | THROW | 2-5-17 | 17-26-37 | 27-34-48 | 33-40-57 | 37-45-64 | 41-50-71 | 45-55-78 | 46-57-80 | 48-59-83 | 49-61-86 |
| | NC | <20 | <20 | <20 | 26 | 33 | 38 | 43 | 45 | 47 | 49 |
| 16 x 16 (.76) | CFM | 135 | 410 | 680 | 955 | 1225 | 1495 | 1770 | 1905 | 2040 | 2180 |
| | THROW | 2-6-20 | 20-30-43 | 32-39-56 | 38-47-66 | 43-53-75 | 48-59-83 | 52-64-91 | 54-66-94 | 56-69-97 | 58-71-101 |
| | NC | <20 | <20 | <20 | 27 | 34 | 40 | 45 | 47 | 49 | 50 |

Test Standard

- ANSI / ASHRAE standard 70

Sound Levels

- NC is noise criteria curve that will not be exceeded at the operating point. This is determined by assuming a 10dB (ref: 10⁻¹² watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands
- When an opposed blade damper is used, add NC adjustment as shown on page E-5

Throw

- The numbers shown are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150, 100, & 50 fpm, with the jet attached to a surface.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- Velocity: CFM/gross area of mesh face

Pressure

- P_t represents Total Pressure, inches of water, measured in the supply duct.

For Return Use

- Adjust the above supply data by adding +1 NC and use the P_t listed as the -P_s