## PERFORMANCE DATA | RM2, RM4, RA2, RA4 (4-CONES) | NO DAMPER

| SIZE | IP DATA | | | | | | | | | | | | | METRIC DATA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NECK VEL | AIR FLOW | HZ | | VT | | HZ THROW | VT PROJECTION | | | | HZ | VT | NECK VEL | AIR FLOW | HZ | | VT | | HZ THROW | VT PROJECTION | | | |
| | | | Ps | Pt | Ps | Pt | | 10°F | 20°F | 30°F | 40°F | | | | | Ps | Pv | Pt | Pt | | 5°C | 11°C | 17°C | 22°C |
| in | fpm | cfm | in wg | in wg | in wg | in wg | ft | ft | ft | ft | ft | NC | NC | m/s | L/s | Pa | Pa | Pa | Pa | m | m | m | m | m |
| 6 | 200 | 39 | 0.00 | 0.01 | 0.00 | 0.01 | 1 - 1 - 2 | 1 | 1 | 1 | 0 | - | - | 1.0 | 19 | 1 | 1 | 1 | 2 | 0.2 - 0.3 - 0.7 | 0.2 | 0.2 | 0.2 | 0.1 |
| | 400 | 79 | 0.01 | 0.02 | 0.02 | 0.03 | 1 - 2 - 4 | 3 | 2 | 2 | 2 | - | - | 2.0 | 37 | 3 | 5 | 4 | 7 | 0.5 - 0.7 - 1.4 | 0.9 | 0.7 | 0.6 | 0.5 |
| | 600 | 118 | 0.02 | 0.05 | 0.04 | 0.06 | 2 - 3 - 7 | 6 | 5 | 5 | 3 | 20 | 21 | 3.0 | 56 | 6 | 12 | 10 | 15 | 0.7 - 1.0 - 2.0 | 1.9 | 1.6 | 1.4 | 1.1 |
| | 800 | 157 | 0.04 | 0.08 | 0.07 | 0.11 | 3 - 4 - 8 | 10 | 7 | 6 | 6 | 29 | 30 | 4.1 | 74 | 11 | 21 | 17 | 27 | 0.9 - 1.4 - 2.3 | 2.9 | 2.2 | 1.9 | 1.7 |
| | 900 | 177 | 0.06 | 0.11 | 0.09 | 0.14 | 3 - 5 - 8 | 11 | 8 | 7 | 6 | 32 | 33 | 4.6 | 83 | 14 | 26 | 22 | 34 | 1.0 - 1.5 - 2.5 | 3.3 | 2.4 | 2.2 | 2.0 |
| | 1000 | 196 | 0.07 | 0.13 | 0.11 | 0.17 | 4 - 6 - 9 | 12 | 9 | 8 | 7 | 35 | 36 | 5.1 | 93 | 17 | 33 | 27 | 42 | 1.1 - 1.7 - 2.6 | 3.6 | 2.7 | 2.4 | 2.2 |
| | 1100 | 216 | 0.08 | 0.16 | 0.13 | 0.21 | 4 - 6 - 9 | 13 | 10 | 9 | 8 | 38 | 39 | 5.6 | 102 | 21 | 39 | 32 | 51 | 1.2 - 1.9 - 2.7 | 4.0 | 3.0 | 2.7 | 2.4 |
| | 1200 | 236 | 0.10 | 0.19 | 0.16 | 0.25 | 4 - 7 - 9 | 14 | 11 | 10 | 9 | 41 | 42 | 6.1 | 111 | 25 | 47 | 39 | 61 | 1.4 - 2.0 - 2.8 | 4.2 | 3.2 | 2.9 | 2.6 |
| | 1300 | 255 | 0.12 | 0.22 | 0.18 | 0.29 | 5 - 7 - 10 | 14 | 11 | 10 | 9 | 43 | 44 | 6.6 | 120 | 29 | 55 | 45 | 72 | 1.5 - 2.1 - 3.0 | 4.3 | 3.4 | 3.1 | 2.8 |
| 8 | 200 | 70 | 0.00 | 0.01 | 0.00 | 0.01 | 1 - 1 - 3 | 1 | 1 | 1 | 0 | - | - | 1.0 | 33 | 1 | 1 | 1 | 2 | 0.3 - 0.5 - 0.9 | 0.2 | 0.2 | 0.2 | 0.1 |
| | 400 | 140 | 0.01 | 0.02 | 0.02 | 0.03 | 2 - 3 - 6 | 3 | 3 | 2 | 2 | - | - | 2.0 | 66 | 3 | 5 | 4 | 7 | 0.6 - 0.9 - 1.8 | 1.0 | 0.8 | 0.7 | 0.5 |
| | 600 | 209 | 0.02 | 0.05 | 0.04 | 0.06 | 3 - 4 - 9 | 7 | 6 | 5 | 4 | 21 | 22 | 3.0 | 99 | 6 | 12 | 10 | 15 | 0.9 - 1.4 - 2.7 | 2.2 | 1.7 | 1.5 | 1.2 |
| | 800 | 279 | 0.04 | 0.08 | 0.07 | 0.11 | 4 - 6 - 10 | 12 | 9 | 8 | 7 | 30 | 31 | 4.1 | 132 | 11 | 21 | 17 | 27 | 1.2 - 1.8 - 3.1 | 3.6 | 2.7 | 2.4 | 2.1 |
| | 900 | 314 | 0.06 | 0.11 | 0.09 | 0.14 | 4 - 7 - 11 | 13 | 10 | 9 | 8 | 33 | 34 | 4.6 | 148 | 14 | 26 | 22 | 34 | 1.4 - 2.0 - 3.3 | 4.1 | 3.1 | 2.7 | 2.5 |
| | 1000 | 349 | 0.07 | 0.13 | 0.11 | 0.17 | 5 - 7 - 11 | 15 | 11 | 10 | 9 | 36 | 37 | 5.1 | 165 | 17 | 33 | 27 | 42 | 1.5 - 2.3 - 3.5 | 4.5 | 3.4 | 3.1 | 2.7 |
| | 1100 | 384 | 0.08 | 0.16 | 0.13 | 0.21 | 5 - 8 - 12 | 16 | 12 | 11 | 10 | 39 | 40 | 5.6 | 181 | 21 | 39 | 32 | 51 | 1.7 - 2.5 - 3.6 | 5.0 | 3.7 | 3.4 | 3.0 |
| | 1200 | 419 | 0.10 | 0.19 | 0.16 | 0.25 | 6 - 9 - 12 | 18 | 13 | 12 | 11 | 42 | 43 | 6.1 | 198 | 25 | 47 | 39 | 61 | 1.8 - 2.7 - 3.8 | 5.4 | 4.1 | 3.7 | 3.3 |
| | 1300 | 454 | 0.12 | 0.22 | 0.18 | 0.29 | 6 - 9 - 13 | 19 | 14 | 13 | 12 | 44 | 45 | 6.6 | 214 | 29 | 55 | 45 | 72 | 2.0 - 2.8 - 3.9 | 5.8 | 4.4 | 4.0 | 3.5 |
| 10 | 200 | 109 | 0.00 | 0.01 | 0.00 | 0.01 | 1 - 2 - 4 | 1 | 1 | 1 | 0 | - | - | 1.0 | 51 | 1 | 1 | 1 | 2 | 0.4 - 0.6 - 1.1 | 0.3 | 0.2 | 0.2 | 0.2 |
| | 400 | 218 | 0.01 | 0.02 | 0.02 | 0.03 | 2 - 4 - 7 | 4 | 3 | 3 | 2 | - | 11 | 2.0 | 103 | 3 | 5 | 4 | 7 | 0.8 - 1.1 - 2.3 | 1.1 | 0.9 | 0.8 | 0.6 |
| | 600 | 327 | 0.02 | 0.05 | 0.04 | 0.06 | 4 - 6 - 11 | 8 | 7 | 6 | 4 | 22 | 23 | 3.0 | 154 | 6 | 12 | 10 | 15 | 1.1 - 1.7 - 3.3 | 2.5 | 2.0 | 1.8 | 1.4 |
| | 800 | 436 | 0.04 | 0.08 | 0.07 | 0.11 | 5 - 7 - 13 | 14 | 11 | 10 | 8 | 31 | 32 | 4.1 | 206 | 11 | 21 | 17 | 27 | 1.5 - 2.3 - 3.9 | 4.4 | 3.3 | 3.0 | 2.4 |
| | 900 | 491 | 0.06 | 0.11 | 0.09 | 0.14 | 6 - 8 - 13 | 16 | 12 | 11 | 10 | 34 | 35 | 4.6 | 232 | 14 | 26 | 22 | 34 | 1.7 - 2.5 - 4.1 | 5.0 | 3.7 | 3.3 | 3.0 |
| | 1000 | 545 | 0.07 | 0.13 | 0.11 | 0.17 | 6 - 9 - 14 | 18 | 14 | 12 | 11 | 37 | 38 | 5.1 | 257 | 17 | 33 | 27 | 42 | 1.9 - 2.8 - 4.3 | 5.5 | 4.1 | 3.7 | 3.3 |
| | 1100 | 600 | 0.08 | 0.16 | 0.13 | 0.21 | 7 - 10 - 15 | 20 | 15 | 13 | 12 | 40 | 41 | 5.6 | 283 | 21 | 39 | 32 | 51 | 2.1 - 3.1 - 4.5 | 6.1 | 4.5 | 4.1 | 3.7 |
| | 1200 | 654 | 0.10 | 0.19 | 0.16 | 0.25 | 7 - 11 - 16 | 22 | 16 | 15 | 13 | 43 | 44 | 6.1 | 309 | 25 | 47 | 39 | 61 | 2.3 - 3.3 - 4.7 | 6.6 | 5.0 | 4.5 | 4.0 |
| | 1300 | 709 | 0.12 | 0.22 | 0.18 | 0.29 | 8 - 11 - 16 | 24 | 18 | 16 | 14 | 45 | 46 | 6.6 | 335 | 29 | 55 | 45 | 72 | 2.5 - 3.5 - 4.9 | 7.2 | 5.4 | 4.8 | 4.3 |
| 12 | 200 | 157 | 0.00 | 0.01 | 0.00 | 0.01 | 1 - 2 - 4 | 1 | 1 | 1 | 1 | - | - | 1.0 | 74 | 1 | 1 | 1 | 2 | 0.5 - 0.7 - 1.4 | 0.3 | 0.3 | 0.2 | 0.2 |
| | 400 | 314 | 0.01 | 0.02 | 0.02 | 0.03 | 3 - 4 - 9 | 4 | 3 | 3 | 2 | 11 | 12 | 2.0 | 148 | 3 | 5 | 4 | 7 | 0.9 - 1.4 - 2.7 | 1.3 | 1.0 | 0.9 | 0.7 |
| | 600 | 471 | 0.02 | 0.05 | 0.04 | 0.06 | 4 - 7 - 13 | 9 | 8 | 7 | 5 | 23 | 24 | 3.0 | 222 | 6 | 12 | 10 | 15 | 1.4 - 2.0 - 4.0 | 2.9 | 2.3 | 2.0 | 1.6 |
| | 800 | 628 | 0.04 | 0.08 | 0.07 | 0.11 | 6 - 9 - 15 | 17 | 13 | 12 | 9 | 31 | 32 | 4.1 | 297 | 11 | 21 | 17 | 27 | 1.8 - 2.7 - 4.6 | 5.1 | 3.9 | 3.5 | 2.8 |
| | 900 | 707 | 0.06 | 0.11 | 0.09 | 0.14 | 7 - 10 - 16 | 19 | 14 | 13 | 12 | 35 | 36 | 4.6 | 334 | 14 | 26 | 22 | 34 | 2.0 - 3.1 - 4.9 | 5.9 | 4.4 | 4.0 | 3.5 |
| | 1000 | 785 | 0.07 | 0.13 | 0.11 | 0.17 | 7 - 11 - 17 | 21 | 16 | 14 | 13 | 38 | 39 | 5.1 | 371 | 17 | 33 | 27 | 42 | 2.3 - 3.4 - 5.2 | 6.5 | 4.9 | 4.4 | 3.9 |
| | 1100 | 864 | 0.08 | 0.16 | 0.13 | 0.21 | 8 - 12 - 18 | 24 | 18 | 16 | 14 | 41 | 42 | 5.6 | 408 | 21 | 39 | 32 | 51 | 2.5 - 3.7 - 5.4 | 7.2 | 5.4 | 4.8 | 4.3 |
| | 1200 | 942 | 0.10 | 0.19 | 0.16 | 0.25 | 9 - 13 - 19 | 26 | 19 | 17 | 16 | 43 | 44 | 6.1 | 445 | 25 | 47 | 39 | 61 | 2.7 - 4.0 - 5.7 | 7.8 | 5.9 | 5.3 | 4.7 |
| | 1300 | 1021 | 0.12 | 0.22 | 0.18 | 0.29 | 10 - 14 - 19 | 28 | 21 | 19 | 17 | 46 | 47 | 6.6 | 482 | 29 | 55 | 45 | 72 | 2.9 - 4.2 - 5.9 | 8.5 | 6.4 | 5.7 | 5.1 |
| 14 | 200 | 214 | 0.00 | 0.01 | 0.00 | 0.01 | 2 - 3 - 5 | 1 | 1 | 1 | 1 | - | - | 1.0 | 101 | 1 | 1 | 1 | 2 | 0.5 - 0.8 - 1.6 | 0.4 | 0.3 | 0.3 | 0.2 |
| | 400 | 428 | 0.01 | 0.02 | 0.02 | 0.03 | 3 - 5 - 10 | 5 | 4 | 3 | 3 | 11 | 12 | 2.0 | 202 | 3 | 5 | 4 | 7 | 1.1 - 1.6 - 3.2 | 1.4 | 1.2 | 1.0 | 0.8 |
| | 600 | 641 | 0.02 | 0.05 | 0.04 | 0.06 | 5 - 8 - 15 | 11 | 9 | 8 | 6 | 23 | 24 | 3.0 | 303 | 6 | 12 | 10 | 15 | 1.6 - 2.4 - 4.7 | 3.3 | 2.6 | 2.3 | 1.8 |
| | 800 | 855 | 0.04 | 0.08 | 0.07 | 0.11 | 7 - 10 - 18 | 19 | 15 | 13 | 10 | 32 | 33 | 4.1 | 404 | 11 | 21 | 17 | 27 | 2.1 - 3.2 - 5.4 | 5.8 | 4.5 | 4.1 | 3.2 |
| | 900 | 962 | 0.06 | 0.11 | 0.09 | 0.14 | 8 - 12 - 19 | 22 | 17 | 15 | 13 | 35 | 36 | 4.6 | 454 | 14 | 26 | 22 | 34 | 2.4 - 3.6 - 5.7 | 6.8 | 5.1 | 4.6 | 4.0 |
| | 1000 | 1069 | 0.07 | 0.13 | 0.11 | 0.17 | 9 - 13 - 20 | 25 | 19 | 17 | 15 | 39 | 40 | 5.1 | 505 | 17 | 33 | 27 | 42 | 2.6 - 4.0 - 6.0 | 7.5 | 5.7 | 5.1 | 4.6 |
| | 1100 | 1176 | 0.08 | 0.16 | 0.13 | 0.21 | 10 - 14 - 21 | 27 | 20 | 18 | 16 | 41 | 42 | 5.6 | 555 | 21 | 39 | 32 | 51 | 2.9 - 4.4 - 6.3 | 8.3 | 6.2 | 5.6 | 5.0 |
| | 1200 | 1283 | 0.10 | 0.19 | 0.16 | 0.25 | 10 - 15 - 22 | 30 | 22 | 20 | 18 | 44 | 45 | 6.1 | 605 | 25 | 47 | 39 | 61 | 3.2 - 4.7 - 6.6 | 9.1 | 6.8 | 6.1 | 5.5 |
| | 1300 | 1390 | 0.12 | 0.22 | 0.18 | 0.29 | 11 - 16 - 23 | 32 | 24 | 22 | 19 | 46 | 47 | 6.6 | 656 | 29 | 55 | 45 | 72 | 3.4 - 4.9 - 6.9 | 9.8 | 7.3 | 6.6 | 5.9 |
| 16 | 200 | 279 | 0.00 | 0.01 | 0.00 | 0.01 | 2 - 3 - 6 | 1 | 1 | 1 | 1 | - | - | 1.0 | 132 | 1 | 1 | 1 | 2 | 0.6 - 0.9 - 1.8 | 0.4 | 0.3 | 0.3 | 0.2 |
| | 400 | 559 | 0.01 | 0.02 | 0.02 | 0.03 | 4 - 6 - 12 | 5 | 4 | 4 | 3 | 12 | 13 | 2.0 | 264 | 3 | 5 | 4 | 7 | 1.2 - 1.8 - 3.6 | 1.6 | 1.3 | 1.2 | 0.9 |
| | 600 | 838 | 0.02 | 0.05 | 0.04 | 0.06 | 6 - 9 - 18 | 12 | 10 | 9 | 7 | 24 | 25 | 3.0 | 395 | 6 | 12 | 10 | 15 | 1.8 - 2.7 - 5.4 | 3.7 | 3.0 | 2.6 | 2.0 |
| | 800 | 1117 | 0.04 | 0.08 | 0.07 | 0.11 | 8 - 12 - 20 | 21 | 17 | 15 | 12 | 32 | 33 | 4.1 | 527 | 11 | 21 | 17 | 27 | 2.4 - 3.6 - 6.2 | 6.5 | 5.1 | 4.6 | 3.6 |
| | 900 | 1257 | 0.06 | 0.11 | 0.09 | 0.14 | 9 - 13 - 22 | 25 | 19 | 17 | 15 | 36 | 37 | 4.6 | 593 | 14 | 26 | 22 | 34 | 2.7 - 4.1 - 6.6 | 7.7 | 5.8 | 5.2 | 4.5 |
| | 1000 | 1396 | 0.07 | 0.13 | 0.11 | 0.17 | 10 - 15 - 23 | 28 | 21 | 19 | 17 | 39 | 40 | 5.1 | 659 | 17 | 33 | 27 | 42 | 3.0 - 4.5 - 6.9 | 8.6 | 6.4 | 5.8 | 5.2 |
| | 1100 | 1536 | 0.08 | 0.16 | 0.13 | 0.21 | 11 - 16 - 24 | 31 | 23 | 21 | 19 | 42 | 43 | 5.6 | 725 | 21 | 39 | 32 | 51 | 3.3 - 5.0 - 7.2 | 9.4 | 7.1 | 6.4 | 5.7 |
| | 1200 | 1676 | 0.10 | 0.19 | 0.16 | 0.25 | 12 - 18 - 25 | 34 | 25 | 23 | 20 | 45 | 46 | 6.1 | 791 | 25 | 47 | 39 | 61 | 3.6 - 5.4 - 7.6 | 10.3 | 7.7 | 6.9 | 6.2 |
| | 1300 | 1815 | 0.12 | 0.22 | 0.18 | 0.29 | 13 - 18 - 26 | 37 | 27 | 25 | 22 | 47 | 48 | 6.6 | 857 | 29 | 55 | 45 | 72 | 3.9 - 5.6 - 7.9 | 11.2 | 8.4 | 7.5 | 6.7 |

**NOTE:** See notes on next page.

## PERFORMANCE DATA | RM2, RM4, RA2, RA4 (4-CONES) | NO DAMPER

| SIZE | IP DATA | | | | | | | | | | | | | METRIC DATA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NECK VEL | AIR FLOW | HZ | | VT | | HZ THROW | VT PROJECTION | | | | HZ | VT | NECK VEL | AIR FLOW | HZ | | VT | | HZ THROW | VT PROJECTION | | | |
| | | | Ps | Pt | Ps | Pt | | 10°F | 20°F | 30°F | 40°F | | | | | Ps | Pv | Pt | Pt | | 5°C | 11°C | 17°C | 22°C |
| in | fpm | cfm | in wg | in wg | in wg | in wg | ft | ft | ft | ft | ft | NC | NC | m/s | L/s | Pa | Pa | Pa | Pa | m | m | m | m | m |
| 18 | 200 | 353 | 0.00 | 0.01 | 0.00 | 0.01 | 2 - 3 - 7 | 1 | 1 | 1 | 1 | - | - | 1.0 | 167 | 1 | 1 | 1 | 2 | 0.7 - 1.0 - 2.0 | 0.5 | 0.4 | 0.3 | 0.2 |
| | 400 | 707 | 0.01 | 0.02 | 0.02 | 0.03 | 4 - 7 - 13 | 6 | 5 | 4 | 3 | 12 | 13 | 2.0 | 334 | 3 | 5 | 4 | 7 | 1.4 - 2.0 - 4.1 | 1.8 | 1.5 | 1.3 | 1.0 |
| | 600 | 1060 | 0.02 | 0.05 | 0.04 | 0.06 | 7 - 10 - 20 | 13 | 11 | 9 | 7 | 24 | 25 | 3.0 | 500 | 6 | 12 | 10 | 15 | 2.0 - 3.1 - 6.0 | 4.1 | 3.3 | 2.9 | 2.2 |
| | 800 | 1414 | 0.04 | 0.08 | 0.07 | 0.11 | 9 - 13 - 23 | 24 | 19 | 17 | 13 | 33 | 34 | 4.1 | 667 | 11 | 21 | 17 | 27 | 2.7 - 4.1 - 7.0 | 7.3 | 5.8 | 5.1 | 4.0 |
| | 900 | 1590 | 0.06 | 0.11 | 0.09 | 0.14 | 10 - 15 - 24 | 28 | 21 | 19 | 16 | 36 | 37 | 4.6 | 751 | 14 | 26 | 22 | 34 | 3.1 - 4.6 - 7.4 | 8.7 | 6.5 | 5.8 | 5.0 |
| | 1000 | 1767 | 0.07 | 0.13 | 0.11 | 0.17 | 11 - 17 - 26 | 32 | 24 | 21 | 19 | 40 | 41 | 5.1 | 834 | 17 | 33 | 27 | 42 | 3.4 - 5.1 - 7.8 | 9.6 | 7.2 | 6.5 | 5.8 |
| | 1100 | 1944 | 0.08 | 0.16 | 0.13 | 0.21 | 12 - 18 - 27 | 35 | 26 | 23 | 21 | 42 | 43 | 5.6 | 917 | 21 | 39 | 32 | 51 | 3.7 - 5.6 - 8.2 | 10.6 | 7.9 | 7.1 | 6.4 |
| | 1200 | 2121 | 0.10 | 0.19 | 0.16 | 0.25 | 13 - 20 - 28 | 38 | 28 | 26 | 23 | 45 | 46 | 6.1 | 1001 | 25 | 47 | 39 | 61 | 4.1 - 6.0 - 8.5 | 11.5 | 8.6 | 7.8 | 7.0 |
| | 1300 | 2297 | 0.12 | 0.22 | 0.18 | 0.29 | 15 - 21 - 29 | 41 | 31 | 28 | 25 | 47 | 48 | 6.6 | 1084 | 29 | 55 | 45 | 72 | 4.4 - 6.3 - 8.9 | 12.5 | 9.4 | 8.4 | 7.5 |
| 20 | 200 | 436 | 0.00 | 0.01 | 0.00 | 0.01 | 2 - 4 - 7 | 2 | 1 | 1 | 1 | - | - | 1.0 | 206 | 1 | 1 | 1 | 2 | 0.8 - 1.1 - 2.3 | 0.5 | 0.4 | 0.4 | 0.3 |
| | 400 | 873 | 0.01 | 0.02 | 0.02 | 0.03 | 5 - 7 - 15 | 7 | 5 | 5 | 4 | 13 | 14 | 2.0 | 412 | 3 | 5 | 4 | 7 | 1.5 - 2.3 - 4.5 | 2.0 | 1.6 | 1.4 | 1.1 |
| | 600 | 1309 | 0.02 | 0.05 | 0.04 | 0.06 | 7 - 11 - 22 | 15 | 12 | 10 | 8 | 25 | 26 | 3.0 | 618 | 6 | 12 | 10 | 15 | 2.3 - 3.4 - 6.7 | 4.5 | 3.6 | 3.2 | 2.5 |
| | 800 | 1745 | 0.04 | 0.08 | 0.07 | 0.11 | 10 - 15 - 25 | 26 | 21 | 19 | 14 | 33 | 34 | 4.1 | 824 | 11 | 21 | 17 | 27 | 3.0 - 4.5 - 7.7 | 8.0 | 6.4 | 5.7 | 4.4 |
| | 900 | 1963 | 0.06 | 0.11 | 0.09 | 0.14 | 11 - 17 - 27 | 32 | 24 | 21 | 18 | 37 | 38 | 4.6 | 927 | 14 | 26 | 22 | 34 | 3.4 - 5.1 - 8.2 | 9.6 | 7.2 | 6.5 | 5.5 |
| | 1000 | 2182 | 0.07 | 0.13 | 0.11 | 0.17 | 12 - 19 - 28 | 35 | 26 | 24 | 21 | 40 | 41 | 5.1 | 1030 | 17 | 33 | 27 | 42 | 3.8 - 5.7 - 8.6 | 10.7 | 8.0 | 7.2 | 6.4 |
| | 1100 | 2400 | 0.08 | 0.16 | 0.13 | 0.21 | 14 - 20 - 30 | 39 | 29 | 26 | 23 | 43 | 44 | 5.6 | 1133 | 21 | 39 | 32 | 51 | 4.1 - 6.2 - 9.1 | 11.7 | 8.8 | 7.9 | 7.1 |
| | 1200 | 2618 | 0.10 | 0.19 | 0.16 | 0.25 | 15 - 22 - 31 | 42 | 32 | 28 | 25 | 45 | 46 | 6.1 | 1236 | 25 | 47 | 39 | 61 | 4.5 - 6.7 - 9.5 | 12.8 | 9.6 | 8.6 | 7.7 |
| | 1300 | 2836 | 0.12 | 0.22 | 0.18 | 0.29 | 16 - 23 - 32 | 46 | 34 | 31 | 27 | 48 | 49 | 6.6 | 1339 | 29 | 55 | 45 | 72 | 4.9 - 7.0 - 9.8 | 13.9 | 10.4 | 9.3 | 8.4 |
| 24 | 200 | 628 | 0.00 | 0.01 | 0.00 | 0.01 | 3 - 4 - 9 | 2 | 2 | 1 | 1 | - | - | 1.0 | 297 | 1 | 1 | 1 | 2 | 0.9 - 1.4 - 2.7 | 0.6 | 0.5 | 0.4 | 0.3 |
| | 400 | 1257 | 0.01 | 0.02 | 0.02 | 0.03 | 6 - 9 - 18 | 8 | 6 | 6 | 4 | 13 | 14 | 2.0 | 593 | 3 | 5 | 4 | 7 | 1.8 - 2.7 - 5.4 | 2.4 | 1.9 | 1.7 | 1.3 |
| | 600 | 1885 | 0.02 | 0.05 | 0.04 | 0.06 | 9 - 13 - 26 | 18 | 14 | 12 | 10 | 25 | 26 | 3.0 | 890 | 6 | 12 | 10 | 15 | 2.7 - 4.1 - 8.0 | 5.4 | 4.3 | 3.8 | 2.9 |
| | 800 | 2513 | 0.04 | 0.08 | 0.07 | 0.11 | 12 - 18 - 30 | 31 | 25 | 22 | 17 | 34 | 35 | 4.1 | 1186 | 11 | 21 | 17 | 27 | 3.6 - 5.4 - 9.3 | 9.5 | 7.6 | 6.7 | 5.2 |
| | 900 | 2827 | 0.06 | 0.11 | 0.09 | 0.14 | 13 - 20 - 32 | 38 | 28 | 25 | 22 | 38 | 39 | 4.6 | 1334 | 14 | 26 | 22 | 34 | 4.1 - 6.1 - 9.8 | 11.5 | 8.6 | 7.7 | 6.6 |
| | 1000 | 3142 | 0.07 | 0.13 | 0.11 | 0.17 | 15 - 22 - 34 | 42 | 31 | 28 | 25 | 41 | 42 | 5.1 | 1483 | 17 | 33 | 27 | 42 | 4.5 - 6.8 - 10.4 | 12.8 | 9.6 | 8.6 | 7.7 |
| | 1100 | 3456 | 0.08 | 0.16 | 0.13 | 0.21 | 16 - 25 - 36 | 46 | 35 | 31 | 28 | 44 | 45 | 5.6 | 1631 | 21 | 39 | 32 | 51 | 5.0 - 7.5 - 10.9 | 14.0 | 10.5 | 9.5 | 8.5 |
| | 1200 | 3770 | 0.10 | 0.19 | 0.16 | 0.25 | 18 - 26 - 37 | 50 | 38 | 34 | 30 | 46 | 47 | 6.1 | 1779 | 25 | 47 | 39 | 61 | 5.4 - 8.0 - 11.4 | 15.3 | 11.5 | 10.3 | 9.2 |
| | 1300 | 4084 | 0.12 | 0.22 | 0.18 | 0.29 | 19 - 27 - 39 | 55 | 41 | 37 | 33 | 49 | 50 | 6.6 | 1927 | 29 | 55 | 45 | 72 | 5.9 - 8.4 - 11.8 | 16.6 | 12.4 | 11.2 | 10.0 |
| 30 | 200 | 982 | 0.00 | 0.01 | 0.00 | 0.01 | 4 - 6 - 11 | 2 | 2 | 2 | 1 | - | - | 1.0 | 463 | 1 | 1 | 1 | 2 | 1.1 - 1.7 - 3.4 | 0.7 | 0.6 | 0.5 | 0.4 |
| | 400 | 1963 | 0.01 | 0.02 | 0.02 | 0.03 | 7 - 11 - 22 | 10 | 8 | 7 | 5 | 14 | 15 | 2.0 | 927 | 3 | 5 | 4 | 7 | 2.3 - 3.4 - 6.8 | 2.9 | 2.4 | 2.1 | 1.6 |
| | 600 | 2945 | 0.02 | 0.05 | 0.04 | 0.06 | 11 - 17 - 33 | 22 | 18 | 15 | 12 | 26 | 27 | 3.0 | 1390 | 6 | 12 | 10 | 15 | 3.4 - 5.1 - 10.0 | 6.6 | 5.4 | 4.7 | 3.6 |
| | 800 | 3927 | 0.04 | 0.08 | 0.07 | 0.11 | 15 - 22 - 38 | 39 | 31 | 27 | 21 | 35 | 36 | 4.1 | 1853 | 11 | 21 | 17 | 27 | 4.5 - 6.8 - 11.6 | 11.8 | 9.5 | 8.3 | 6.4 |
| | 900 | 4418 | 0.06 | 0.11 | 0.09 | 0.14 | 17 - 25 - 40 | 47 | 35 | 32 | 27 | 38 | 39 | 4.6 | 2085 | 14 | 26 | 22 | 34 | 5.1 - 7.6 - 12.3 | 14.3 | 10.7 | 9.6 | 8.1 |
| | 1000 | 4909 | 0.07 | 0.13 | 0.11 | 0.17 | 19 - 28 - 43 | 52 | 39 | 35 | 32 | 42 | 43 | 5.1 | 2317 | 17 | 33 | 27 | 42 | 5.7 - 8.5 - 13.0 | 15.9 | 11.9 | 10.7 | 9.6 |
| | 1100 | 5400 | 0.08 | 0.16 | 0.13 | 0.21 | 20 - 31 - 45 | 58 | 43 | 39 | 35 | 44 | 45 | 5.6 | 2548 | 21 | 39 | 32 | 51 | 6.2 - 9.3 - 13.6 | 17.5 | 13.1 | 11.8 | 10.5 |
| | 1200 | 5890 | 0.10 | 0.19 | 0.16 | 0.25 | 22 - 33 - 47 | 63 | 47 | 42 | 38 | 47 | 48 | 6.1 | 2780 | 25 | 47 | 39 | 61 | 6.8 - 10.0 - 14.2 | 19.1 | 14.3 | 12.9 | 11.5 |
| | 1300 | 6381 | 0.12 | 0.22 | 0.18 | 0.29 | 24 - 34 - 49 | 68 | 51 | 46 | 41 | 49 | 50 | 6.6 | 3012 | 29 | 55 | 45 | 72 | 7.4 - 10.4 - 14.8 | 20.7 | 15.5 | 13.9 | 12.5 |
| 36 | 200 | 1414 | 0.00 | 0.01 | 0.00 | 0.01 | 4 - 7 - 13 | 3 | 2 | 2 | 2 | - | - | 1.0 | 667 | 1 | 1 | 1 | 2 | 1.4 - 2.0 - 4.1 | 0.9 | 0.7 | 0.6 | 0.5 |
| | 400 | 2827 | 0.01 | 0.02 | 0.02 | 0.03 | 9 - 13 - 27 | 12 | 9 | 8 | 6 | 15 | 16 | 2.0 | 1334 | 3 | 5 | 4 | 7 | 2.7 - 4.1 - 8.1 | 3.5 | 2.8 | 2.5 | 1.9 |
| | 600 | 4241 | 0.02 | 0.05 | 0.04 | 0.06 | 13 - 20 - 40 | 26 | 21 | 18 | 14 | 27 | 28 | 3.0 | 2002 | 6 | 12 | 10 | 15 | 4.1 - 6.1 - 12.0 | 7.9 | 6.4 | 5.6 | 4.3 |
| | 800 | 5655 | 0.04 | 0.08 | 0.07 | 0.11 | 18 - 27 - 46 | 46 | 37 | 33 | 25 | 36 | 37 | 4.1 | 2669 | 11 | 21 | 17 | 27 | 5.4 - 8.1 - 13.9 | 14.1 | 11.4 | 10.0 | 7.7 |
| | 900 | 6362 | 0.06 | 0.11 | 0.09 | 0.14 | 20 - 30 - 49 | 56 | 42 | 38 | 32 | 39 | 40 | 4.6 | 3002 | 14 | 26 | 22 | 34 | 6.1 - 9.2 - 14.7 | 17.1 | 12.8 | 11.6 | 9.7 |
| | 1000 | 7069 | 0.07 | 0.13 | 0.11 | 0.17 | 22 - 33 - 51 | 63 | 47 | 42 | 38 | 42 | 43 | 5.1 | 3336 | 17 | 33 | 27 | 42 | 6.8 - 10.2 - 15.5 | 19.1 | 14.3 | 12.8 | 11.5 |
| | 1100 | 7775 | 0.08 | 0.16 | 0.13 | 0.21 | 25 - 37 - 54 | 69 | 52 | 46 | 42 | 45 | 46 | 5.6 | 3670 | 21 | 39 | 32 | 51 | 7.5 - 11.2 - 16.3 | 21.0 | 15.7 | 14.1 | 12.6 |
| | 1200 | 8482 | 0.10 | 0.19 | 0.16 | 0.25 | 27 - 40 - 56 | 75 | 56 | 51 | 45 | 48 | 49 | 6.1 | 4003 | 25 | 47 | 39 | 61 | 8.1 - 12.0 - 17.0 | 22.9 | 17.1 | 15.4 | 13.8 |
| | 1300 | 9189 | 0.12 | 0.22 | 0.18 | 0.29 | 29 - 41 - 58 | 81 | 61 | 55 | 49 | 50 | 51 | 6.6 | 4337 | 29 | 55 | 45 | 72 | 8.8 - 12.5 - 17.7 | 24.8 | 18.6 | 16.7 | 14.9 |

**NOTES:** Throw values are given terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Horizontal throw values are given for isothermal conditions. Vertical throw values are for a terminal velocity of 50 FPM, free jet, at the temperature differences shown. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re $10^{-12}$ Watts. Dash in space denotes a NC value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See selection software for performance data not shown, including octave band data.