

DMD Performance Data
IP/METRIC DATA: DMD, 4" LOUVER (NO DAMPER)

| Nominal Duct Opening | IP Data | | | NC | Nominal Duct Opening | Metric Data | | | Octave Band, dB | | | | | | |
|----------------------|----------|------|--------------|----|----------------------|-------------|-------|--------------------|-----------------|----|----|----|----|----|--|
| | Air Flow | Pt | Throw | | | Air Flow | Pt | Throw | 2 | 3 | 4 | 5 | 6 | 7 | |
| in | CFM | "WG | ft | | mm | L/s | Pa | m | | | | | | | |
| 4" x 12" | 165 | .111 | 5 - 11 - 21 | 11 | 102 x 305 | 78 | 27.8 | 1.4 - 3.2 - 6.5 | 32 | 29 | 28 | 23 | 18 | - | |
| | 220 | .198 | 8 - 14 - 27 | 21 | | 104 | 49.3 | 2.5 - 4.3 - 8.1 | 40 | 37 | 36 | 33 | 30 | 17 | |
| | 275 | .309 | 12 - 18 - 30 | 29 | | 130 | 77.0 | 3.6 - 5.4 - 9.1 | 46 | 43 | 43 | 41 | 39 | 27 | |
| | 330 | .445 | 14 - 21 - 33 | 36 | | 156 | 110.8 | 4.3 - 6.5 - 10.0 | 51 | 48 | 48 | 47 | 46 | 34 | |
| 4" x 18" | 385 | .606 | 17 - 25 - 35 | 41 | 102 x 457 | 182 | 150.8 | 5.0 - 7.5 - 10.7 | 56 | 53 | 53 | 53 | 52 | 41 | |
| | 235 | .103 | 9 - 15 - 28 | 11 | | 111 | 25.7 | 2.9 - 4.6 - 8.4 | 32 | 29 | 28 | 23 | 17 | - | |
| | 315 | .186 | 14 - 20 - 32 | 21 | | 148 | 46.2 | 4.1 - 6.2 - 9.7 | 41 | 38 | 37 | 33 | 29 | 17 | |
| | 395 | .292 | 17 - 25 - 36 | 29 | | 186 | 72.7 | 5.1 - 7.7 - 10.9 | 47 | 44 | 43 | 41 | 39 | 26 | |
| 4" x 24" | 475 | .423 | 20 - 28 - 39 | 36 | 102 x 610 | 224 | 105.2 | 6.2 - 8.4 - 11.9 | 52 | 49 | 49 | 47 | 46 | 34 | |
| | 555 | .577 | 24 - 30 - 42 | 42 | | 262 | 143.7 | 7.2 - 9.1 - 12.9 | 56 | 53 | 53 | 53 | 52 | 41 | |
| | 300 | .097 | 13 - 19 - 31 | 11 | | 142 | 24.1 | 3.9 - 5.9 - 9.5 | 32 | 29 | 28 | 22 | 17 | - | |
| | 405 | .176 | 17 - 26 - 36 | 21 | | 191 | 43.8 | 5.3 - 7.8 - 11.0 | 41 | 38 | 37 | 33 | 29 | 17 | |
| 4" x 30" | 510 | .279 | 22 - 29 - 41 | 30 | 102 x 762 | 241 | 69.5 | 6.7 - 8.7 - 12.4 | 47 | 44 | 44 | 41 | 39 | 26 | |
| | 615 | .406 | 26 - 32 - 45 | 36 | | 290 | 101.0 | 7.8 - 9.6 - 13.6 | 52 | 49 | 49 | 48 | 46 | 34 | |
| | 720 | .556 | 28 - 34 - 48 | 42 | | 340 | 138.4 | 8.5 - 10.4 - 14.7 | 57 | 54 | 54 | 53 | 53 | 41 | |
| | 365 | .093 | 16 - 24 - 34 | 11 | | 172 | 23.0 | 4.8 - 7.1 - 10.5 | 33 | 30 | 28 | 23 | 17 | - | |
| 4" x 36" | 490 | .167 | 21 - 28 - 40 | 21 | 102 x 914 | 231 | 41.5 | 6.4 - 8.6 - 12.1 | 41 | 38 | 37 | 33 | 29 | 16 | |
| | 615 | .262 | 26 - 32 - 45 | 29 | | 290 | 65.3 | 7.8 - 9.6 - 13.6 | 47 | 44 | 44 | 41 | 38 | 26 | |
| | 740 | .380 | 28 - 35 - 49 | 36 | | 349 | 94.6 | 8.6 - 10.5 - 14.9 | 52 | 49 | 49 | 47 | 46 | 34 | |
| | 865 | .519 | 31 - 37 - 53 | 41 | | 408 | 129.2 | 9.3 - 11.4 - 16.1 | 57 | 54 | 54 | 53 | 52 | 40 | |
| 4" x 42" | 430 | .090 | 18 - 26 - 37 | 11 | 102 x 1067 | 203 | 22.4 | 5.6 - 8.0 - 11.4 | 33 | 30 | 29 | 23 | 17 | - | |
| | 580 | .163 | 25 - 31 - 43 | 22 | | 274 | 40.7 | 7.6 - 9.3 - 13.2 | 41 | 38 | 37 | 33 | 29 | 16 | |
| | 730 | .259 | 28 - 34 - 49 | 30 | | 345 | 64.4 | 8.5 - 10.5 - 14.8 | 48 | 45 | 44 | 41 | 38 | 26 | |
| | 880 | .376 | 31 - 38 - 53 | 36 | | 415 | 93.6 | 9.4 - 11.5 - 16.2 | 53 | 50 | 50 | 48 | 46 | 34 | |
| 4" x 48" | 1030 | .515 | 33 - 41 - 58 | 42 | 102 x 1219 | 486 | 128.2 | 10.1 - 12.4 - 17.6 | 57 | 54 | 54 | 53 | 52 | 41 | |
| | 490 | .086 | 21 - 28 - 40 | 11 | | 231 | 21.4 | 6.4 - 8.6 - 12.1 | 33 | 30 | 28 | 22 | 16 | - | |
| | 655 | .154 | 27 - 33 - 46 | 21 | | 309 | 38.2 | 8.1 - 9.9 - 14.0 | 41 | 38 | 37 | 33 | 28 | 16 | |
| | 820 | .241 | 30 - 36 - 52 | 29 | | 387 | 60.0 | 9.1 - 11.1 - 15.7 | 47 | 44 | 44 | 41 | 37 | 25 | |
| 4" x 60" | 985 | .348 | 33 - 40 - 57 | 36 | 102 x 1524 | 465 | 86.6 | 9.9 - 12.2 - 17.2 | 52 | 49 | 49 | 47 | 45 | 33 | |
| | 1150 | .474 | 35 - 43 - 61 | 41 | | 543 | 118.0 | 10.7 - 13.1 - 18.6 | 57 | 54 | 54 | 53 | 51 | 40 | |
| | 550 | .083 | 24 - 30 - 42 | 11 | | 260 | 20.7 | 7.2 - 9.1 - 12.8 | 33 | 30 | 29 | 22 | 16 | - | |
| | 730 | .147 | 28 - 34 - 49 | 21 | | 345 | 36.5 | 8.5 - 10.5 - 14.8 | 41 | 38 | 37 | 32 | 28 | 15 | |
| 4" x 60" | 910 | .228 | 31 - 38 - 54 | 29 | 102 x 1524 | 429 | 56.8 | 9.5 - 11.7 - 16.5 | 47 | 44 | 43 | 40 | 37 | 25 | |
| | 1090 | .327 | 34 - 42 - 59 | 35 | | 514 | 81.4 | 10.4 - 12.8 - 18.1 | 52 | 49 | 49 | 46 | 44 | 32 | |
| | 1270 | .444 | 37 - 45 - 64 | 40 | | 599 | 110.5 | 11.3 - 13.8 - 19.5 | 56 | 53 | 53 | 52 | 50 | 39 | |
| | 675 | .081 | 27 - 33 - 47 | 11 | | 319 | 20.1 | 8.2 - 10.1 - 14.2 | 33 | 30 | 29 | 23 | 16 | - | |
| 4" x 60" | 905 | .145 | 31 - 38 - 54 | 21 | 102 x 1524 | 427 | 36.1 | 9.5 - 11.7 - 16.5 | 42 | 39 | 38 | 33 | 28 | 16 | |
| | 1135 | .228 | 35 - 43 - 61 | 29 | | 536 | 56.8 | 10.7 - 13.0 - 18.5 | 48 | 45 | 44 | 41 | 38 | 25 | |
| | 1365 | .330 | 38 - 47 - 67 | 36 | | 644 | 82.2 | 11.7 - 14.3 - 20.2 | 53 | 50 | 50 | 48 | 45 | 33 | |
| | 1595 | .451 | 42 - 51 - 72 | 42 | | 753 | 112.2 | 12.6 - 15.5 - 21.9 | 58 | 55 | 54 | 53 | 52 | 40 | |

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s), free jet. Throw is based on a 15° upward deflection; for 0°, multiply throws shown by 1.2; for 30°, multiply by 0.8. Sound is based on a 0° spread, for 20° spread, add 4 NC; for 40° spread, add 9 NC. 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 dB value of less than 10. Velocity pressures are based on nominal duct velocity. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. For best performance, the round duct diameter should be sized as large as possible. Duct velocities in excess of 1000 FPM may result in higher noise and asymmetric throw patterns. See Krueger's selection program for performance data not shown, including octave band data.

DUCT MOUNTED GRILLES & LOUVERS

DMD Performance Data

IP/METRIC DATA: DMD, 6" LOUVER (NO DAMPER)

| Nominal Duct Opening | IP Data | | | NC | Nominal Duct Opening | Metric Data | | | Octave Band, dB | | | | | | |
|----------------------|----------|------|--------------|----|----------------------|-------------|-------|--------------------|-----------------|----|----|----|----|----|--|
| | Air Flow | Pt | Throw | | | Air Flow | Pt | Throw | 2 | 3 | 4 | 5 | 6 | 7 | |
| in | CFM | "WG | ft | | mm | L/s | Pa | m | | | | | | | |
| 6" x 12" | 240 | .089 | 9 - 15 - 28 | 12 | 152 x 305 | 113 | 22.1 | 2.9 - 4.6 - 8.5 | 33 | 30 | 29 | 23 | 18 | - | |
| | 320 | .158 | 14 - 20 - 32 | 22 | | 151 | 39.3 | 4.1 - 6.2 - 9.8 | 41 | 38 | 37 | 34 | 30 | 18 | |
| | 400 | .247 | 17 - 25 - 36 | 30 | | 189 | 61.5 | 5.1 - 7.7 - 11.0 | 47 | 44 | 44 | 41 | 39 | 27 | |
| | 480 | .356 | 20 - 28 - 39 | 36 | | 227 | 88.6 | 6.2 - 8.5 - 12.0 | 52 | 49 | 49 | 48 | 47 | 35 | |
| | 560 | .485 | 24 - 30 - 43 | 42 | | 264 | 120.7 | 7.2 - 9.2 - 13.0 | 57 | 54 | 54 | 53 | 53 | 41 | |
| 6" x 18" | 335 | .080 | 14 - 21 - 33 | 11 | 152 x 457 | 158 | 19.9 | 4.3 - 6.5 - 10.0 | 33 | 30 | 28 | 23 | 17 | - | |
| | 450 | .144 | 19 - 27 - 38 | 21 | | 213 | 35.8 | 5.8 - 8.2 - 11.6 | 41 | 38 | 37 | 33 | 29 | 17 | |
| | 565 | .227 | 24 - 30 - 43 | 30 | | 267 | 56.5 | 7.3 - 9.2 - 13.0 | 47 | 44 | 44 | 41 | 38 | 26 | |
| | 680 | .329 | 27 - 33 - 47 | 36 | | 321 | 81.8 | 8.2 - 10.1 - 14.3 | 53 | 50 | 49 | 48 | 46 | 34 | |
| | 795 | .449 | 29 - 36 - 51 | 42 | | 375 | 111.8 | 8.9 - 10.9 - 15.4 | 57 | 54 | 54 | 53 | 52 | 41 | |
| 6" x 24" | 435 | .077 | 18 - 27 - 38 | 11 | 152 x 610 | 205 | 19.1 | 5.6 - 8.1 - 11.4 | 33 | 30 | 29 | 23 | 17 | - | |
| | 585 | .139 | 25 - 31 - 44 | 22 | | 276 | 34.6 | 7.5 - 9.4 - 13.2 | 42 | 39 | 38 | 33 | 29 | 17 | |
| | 735 | .219 | 28 - 35 - 49 | 30 | | 347 | 54.6 | 8.6 - 10.5 - 14.8 | 48 | 45 | 44 | 41 | 39 | 26 | |
| | 885 | .318 | 31 - 38 - 54 | 37 | | 418 | 79.2 | 9.4 - 11.5 - 16.3 | 53 | 50 | 50 | 48 | 46 | 34 | |
| | 1035 | .435 | 33 - 41 - 58 | 42 | | 489 | 108.4 | 10.2 - 12.5 - 17.6 | 57 | 54 | 54 | 54 | 53 | 41 | |
| 6" x 30" | 530 | .074 | 22 - 29 - 41 | 11 | 152 x 762 | 250 | 18.4 | 6.8 - 8.9 - 12.6 | 33 | 30 | 29 | 23 | 17 | - | |
| | 710 | .132 | 28 - 34 - 48 | 22 | | 335 | 33.0 | 8.4 - 10.3 - 14.6 | 42 | 39 | 38 | 33 | 29 | 17 | |
| | 890 | .208 | 31 - 38 - 54 | 30 | | 420 | 51.8 | 9.4 - 11.6 - 16.3 | 48 | 45 | 44 | 41 | 38 | 26 | |
| | 1070 | .301 | 34 - 42 - 59 | 36 | | 505 | 74.9 | 10.3 - 12.7 - 17.9 | 53 | 50 | 50 | 48 | 46 | 34 | |
| | 1250 | .411 | 37 - 45 - 64 | 42 | | 590 | 102.2 | 11.2 - 13.7 - 19.4 | 57 | 54 | 54 | 53 | 52 | 41 | |
| 6" x 36" | 615 | .069 | 26 - 32 - 45 | 11 | 152 x 914 | 290 | 17.3 | 7.8 - 9.6 - 13.6 | 33 | 30 | 29 | 23 | 17 | - | |
| | 825 | .125 | 30 - 37 - 52 | 21 | | 389 | 31.1 | 9.1 - 11.1 - 15.7 | 42 | 39 | 38 | 33 | 29 | 16 | |
| | 1035 | .197 | 33 - 41 - 58 | 29 | | 489 | 49.0 | 10.2 - 12.5 - 17.6 | 48 | 45 | 44 | 41 | 38 | 26 | |
| | 1245 | .285 | 37 - 45 - 64 | 36 | | 588 | 70.9 | 11.2 - 13.7 - 19.3 | 53 | 50 | 50 | 48 | 45 | 33 | |
| | 1455 | .389 | 40 - 49 - 69 | 42 | | 687 | 96.8 | 12.1 - 14.8 - 20.9 | 57 | 54 | 54 | 53 | 52 | 40 | |
| 6" x 42" | 705 | .067 | 28 - 34 - 48 | 11 | 152 x 1067 | 332 | 16.8 | 8.4 - 10.3 - 14.5 | 33 | 30 | 29 | 23 | 16 | - | |
| | 955 | .124 | 32 - 39 - 56 | 22 | | 451 | 30.8 | 9.8 - 12.0 - 16.9 | 42 | 39 | 38 | 33 | 29 | 16 | |
| | 1205 | .197 | 36 - 44 - 63 | 30 | | 569 | 49.0 | 11.0 - 13.4 - 19.0 | 49 | 46 | 45 | 42 | 38 | 26 | |
| | 1455 | .287 | 40 - 49 - 69 | 37 | | 687 | 71.5 | 12.1 - 14.8 - 20.9 | 54 | 51 | 50 | 48 | 46 | 34 | |
| | 1705 | .394 | 43 - 53 - 74 | 42 | | 805 | 98.1 | 13.1 - 16.0 - 22.6 | 58 | 55 | 55 | 54 | 53 | 41 | |
| 6" x 48" | 795 | .066 | 29 - 36 - 51 | 11 | 152 x 1219 | 375 | 16.4 | 8.9 - 10.9 - 15.4 | 34 | 31 | 29 | 23 | 17 | - | |
| | 1070 | .119 | 34 - 42 - 59 | 22 | | 505 | 29.7 | 10.3 - 12.7 - 17.9 | 42 | 39 | 38 | 33 | 29 | 16 | |
| | 1345 | .188 | 38 - 47 - 66 | 30 | | 635 | 46.9 | 11.6 - 14.2 - 20.1 | 48 | 45 | 45 | 41 | 38 | 26 | |
| | 1620 | .273 | 42 - 51 - 73 | 36 | | 765 | 68.1 | 12.7 - 15.6 - 22.0 | 54 | 51 | 50 | 48 | 46 | 34 | |
| | 1895 | .374 | 45 - 55 - 78 | 42 | | 894 | 93.2 | 13.8 - 16.9 - 23.8 | 58 | 55 | 55 | 53 | 52 | 40 | |
| 6" x 60" | 965 | .062 | 32 - 40 - 56 | 11 | 152 x 1524 | 456 | 15.6 | 9.8 - 12.0 - 17.0 | 34 | 31 | 29 | 23 | 16 | - | |
| | 1295 | .112 | 37 - 46 - 65 | 21 | | 611 | 28.0 | 11.4 - 13.9 - 19.7 | 42 | 39 | 38 | 33 | 28 | 16 | |
| | 1625 | .177 | 42 - 51 - 73 | 30 | | 767 | 44.1 | 12.7 - 15.6 - 22.1 | 48 | 45 | 45 | 41 | 38 | 25 | |
| | 1955 | .256 | 46 - 56 - 80 | 36 | | 923 | 63.8 | 14.0 - 17.1 - 24.2 | 54 | 51 | 50 | 48 | 45 | 33 | |
| | 2285 | .350 | 50 - 61 - 86 | 42 | | 1078 | 87.1 | 15.1 - 18.5 - 26.2 | 58 | 55 | 55 | 53 | 52 | 40 | |

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s), free jet. Throw is based on a 15° upward deflection; for 0°, multiply throws shown by 1.2; for 30°, multiply by 0.8. Sound is based on a 0° spread, for 20° spread, add 4 NC; for 40° spread, add 9 NC. 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 dB value of less than 10. Velocity pressures are based on nominal duct velocity. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. For best performance, the round duct diameter should be sized as large as possible. Duct velocities in excess of 1000 FPM may result in higher noise and asymmetric throw patterns. See Krueger's selection program for performance data not shown, including octave band data.

DUCT MOUNTED GRILLES & LOUVERS

DMD

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DMD Performance Data
IP/METRIC DATA: DMD, 8" LOUVER (NO DAMPER)

| Nominal Duct Opening | IP Data | | | NC | Nominal Duct Opening | Metric | | | Octave Band, dB | | | | | | |
|----------------------|----------|------|--------------|----|----------------------|----------|-------|--------------------|-----------------|----|----|----|----|----|--|
| | Air Flow | Pt | Throw | | | Air Flow | Pt | Throw | 2 | 3 | 4 | 5 | 6 | 7 | |
| in | CFM | "WG | ft | | mm | L/s | Pa | m | | | | | | | |
| 8" x 12" | 305 | .078 | 13 - 19 - 31 | 11 | 203 x 305 | 144 | 19.5 | 3.9 - 5.9 - 9.6 | 33 | 30 | 29 | 23 | 18 | - | |
| | 405 | .138 | 17 - 26 - 36 | 21 | | 191 | 34.3 | 5.2 - 7.8 - 11.0 | 41 | 38 | 37 | 33 | 29 | 17 | |
| | 505 | .214 | 21 - 29 - 40 | 29 | | 238 | 53.3 | 6.5 - 8.7 - 12.3 | 47 | 44 | 43 | 41 | 38 | 26 | |
| | 605 | .307 | 25 - 31 - 44 | 36 | | 286 | 76.5 | 7.7 - 9.5 - 13.5 | 52 | 49 | 49 | 47 | 46 | 34 | |
| | 705 | .417 | 28 - 34 - 48 | 41 | | 333 | 103.9 | 8.4 - 10.3 - 14.5 | 56 | 53 | 53 | 53 | 52 | 40 | |
| 8" x 18" | 435 | .073 | 18 - 27 - 38 | 11 | 203 x 457 | 205 | 18.2 | 5.6 - 8.1 - 11.4 | 33 | 30 | 29 | 23 | 17 | - | |
| | 580 | .130 | 24 - 31 - 43 | 22 | | 274 | 32.3 | 7.4 - 9.3 - 13.2 | 41 | 38 | 37 | 33 | 29 | 16 | |
| | 725 | .203 | 28 - 34 - 49 | 29 | | 342 | 50.5 | 8.5 - 10.4 - 14.7 | 48 | 45 | 44 | 41 | 38 | 26 | |
| | 870 | .292 | 31 - 38 - 53 | 36 | | 411 | 72.7 | 9.3 - 11.4 - 16.2 | 53 | 50 | 49 | 47 | 46 | 34 | |
| | 1015 | .397 | 33 - 41 - 57 | 41 | | 479 | 98.9 | 10.1 - 12.3 - 17.4 | 57 | 54 | 54 | 53 | 52 | 40 | |
| 8" x 24" | 560 | .069 | 24 - 30 - 43 | 11 | 203 x 610 | 264 | 17.2 | 7.2 - 9.2 - 13.0 | 33 | 30 | 29 | 23 | 17 | - | |
| | 750 | .124 | 28 - 35 - 49 | 22 | | 354 | 30.9 | 8.7 - 10.6 - 15.0 | 42 | 39 | 38 | 33 | 29 | 16 | |
| | 940 | .195 | 32 - 39 - 55 | 30 | | 444 | 48.6 | 9.7 - 11.9 - 16.8 | 48 | 45 | 44 | 41 | 38 | 26 | |
| | 1130 | .282 | 35 - 43 - 61 | 36 | | 533 | 70.2 | 10.6 - 13.0 - 18.4 | 53 | 50 | 50 | 48 | 46 | 34 | |
| | 1320 | .385 | 38 - 46 - 65 | 42 | | 623 | 95.8 | 11.5 - 14.1 - 19.9 | 57 | 54 | 54 | 53 | 52 | 40 | |
| 8" x 30" | 680 | .066 | 27 - 33 - 47 | 11 | 203 x 762 | 321 | 16.4 | 8.2 - 10.1 - 14.3 | 34 | 31 | 29 | 23 | 17 | - | |
| | 910 | .118 | 31 - 38 - 54 | 22 | | 429 | 29.4 | 9.5 - 11.7 - 16.5 | 42 | 39 | 38 | 33 | 29 | 16 | |
| | 1140 | .185 | 35 - 43 - 61 | 30 | | 538 | 46.2 | 10.7 - 13.1 - 18.5 | 48 | 45 | 44 | 41 | 38 | 26 | |
| | 1370 | .268 | 39 - 47 - 67 | 36 | | 647 | 66.7 | 11.7 - 14.3 - 20.3 | 53 | 50 | 50 | 48 | 45 | 33 | |
| | 1600 | .365 | 42 - 51 - 72 | 42 | | 755 | 91.0 | 12.6 - 15.5 - 21.9 | 58 | 55 | 54 | 53 | 52 | 40 | |
| 8" x 36" | 795 | .063 | 29 - 36 - 51 | 11 | 203 x 914 | 375 | 15.7 | 8.9 - 10.9 - 15.4 | 34 | 31 | 29 | 23 | 17 | - | |
| | 1070 | .114 | 34 - 42 - 59 | 22 | | 505 | 28.5 | 10.3 - 12.7 - 17.9 | 42 | 39 | 38 | 33 | 29 | 16 | |
| | 1345 | .180 | 38 - 47 - 66 | 30 | | 635 | 44.9 | 11.6 - 14.2 - 20.1 | 48 | 45 | 45 | 41 | 38 | 26 | |
| | 1620 | .262 | 42 - 51 - 73 | 36 | | 765 | 65.2 | 12.7 - 15.6 - 22.0 | 54 | 51 | 50 | 48 | 46 | 34 | |
| | 1895 | .358 | 45 - 55 - 78 | 42 | | 894 | 89.2 | 13.8 - 16.9 - 23.8 | 58 | 55 | 55 | 53 | 52 | 40 | |
| 8" x 42" | 900 | .060 | 31 - 38 - 54 | 11 | 203 x 1067 | 425 | 14.9 | 9.5 - 11.6 - 16.4 | 34 | 31 | 29 | 23 | 16 | - | |
| | 1200 | .106 | 36 - 44 - 62 | 21 | | 566 | 26.4 | 11.0 - 13.4 - 19.0 | 42 | 39 | 37 | 33 | 28 | 15 | |
| | 1500 | .166 | 40 - 49 - 70 | 29 | | 708 | 41.3 | 12.2 - 15.0 - 21.2 | 48 | 45 | 44 | 40 | 37 | 24 | |
| | 1800 | .239 | 44 - 54 - 76 | 35 | | 850 | 59.4 | 13.4 - 16.4 - 23.2 | 53 | 50 | 49 | 47 | 44 | 32 | |
| | 2100 | .325 | 48 - 58 - 83 | 41 | | 991 | 80.9 | 14.5 - 17.7 - 25.1 | 57 | 54 | 54 | 52 | 51 | 39 | |
| 8" x 48" | 1015 | .058 | 33 - 41 - 57 | 11 | 203 x 1219 | 479 | 14.5 | 10.1 - 12.3 - 17.4 | 34 | 31 | 29 | 23 | 16 | - | |
| | 1340 | .102 | 38 - 47 - 66 | 21 | | 632 | 25.3 | 11.6 - 14.2 - 20.0 | 42 | 39 | 37 | 32 | 27 | 15 | |
| | 1665 | .157 | 42 - 52 - 74 | 28 | | 786 | 39.1 | 12.9 - 15.8 - 22.3 | 48 | 45 | 44 | 40 | 36 | 24 | |
| | 1990 | .224 | 46 - 57 - 80 | 35 | | 939 | 55.8 | 14.1 - 17.3 - 24.4 | 53 | 50 | 49 | 46 | 44 | 31 | |
| | 2315 | .303 | 50 - 61 - 87 | 40 | | 1093 | 75.5 | 15.2 - 18.6 - 26.4 | 57 | 54 | 53 | 52 | 50 | 38 | |
| 8" x 60" | 1255 | .057 | 37 - 45 - 64 | 11 | 203 x 1524 | 592 | 14.3 | 11.2 - 13.7 - 19.4 | 34 | 31 | 30 | 23 | 17 | - | |
| | 1655 | .100 | 42 - 52 - 73 | 21 | | 781 | 24.8 | 12.9 - 15.8 - 22.3 | 42 | 39 | 38 | 33 | 28 | 15 | |
| | 2055 | .154 | 47 - 58 - 82 | 29 | | 970 | 38.3 | 14.3 - 17.6 - 24.8 | 48 | 45 | 44 | 41 | 37 | 24 | |
| | 2455 | .219 | 52 - 63 - 89 | 35 | | 1159 | 54.6 | 15.7 - 19.2 - 27.1 | 53 | 50 | 50 | 47 | 44 | 32 | |
| | 2855 | .297 | 56 - 68 - 96 | 41 | | 1347 | 73.9 | 16.9 - 20.7 - 29.3 | 57 | 54 | 54 | 52 | 50 | 38 | |

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s), free jet. Throw is based on a 15° upward deflection; for 0°, multiply throws shown by 1.2; for 30°, multiply by 0.8. Sound is based on a 0° spread, for 20° spread, add 4 NC; for 40° spread, add 9 NC. 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 dB value of less than 10. Velocity pressures are based on nominal duct velocity. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. For best performance, the round duct diameter should be sized as large as possible. Duct velocities in excess of 1000 FPM may result in higher noise and asymmetric throw patterns. See Krueger's selection program for performance data not shown, including octave band data.

DMD Performance Data

IP/METRIC DATA: DMD, 10" LOUVER (NO DAMPER)

| Nominal Duct Opening | IP Data | | | | NC | Nominal Duct Opening | Metric | | | Octave Band, dB | | | | | | |
|----------------------|----------|------|---------------|----------------------|------------------|----------------------|----------|--------------------|-------|-----------------|----|----|----|----|---|--|
| | Air Flow | Pt | Throw | Nominal Duct Opening | | | Air Flow | Pt | Throw | 2 | 3 | 4 | 5 | 6 | 7 | |
| | CFM | "WG | ft | | | | mm | L/s | Pa | m | | | | | | |
| 10" x 12" | 380 | .067 | 16 - 24 - 35 | 12 | 254 x 305 | 179 | 16.8 | 4.9 - 7.3 - 10.7 | 34 | 31 | 29 | 24 | 18 | - | | |
| | 504 | .119 | 21 - 29 - 40 | 22 | | 238 | 29.6 | 6.4 - 8.7 - 12.3 | 42 | 39 | 38 | 34 | 30 | 17 | | |
| | 628 | .185 | 26 - 32 - 45 | 30 | | 297 | 46.0 | 7.9 - 9.7 - 13.7 | 48 | 45 | 44 | 42 | 39 | 27 | | |
| | 753 | .265 | 29 - 35 - 49 | 36 | | 355 | 66.1 | 8.7 - 10.6 - 15.0 | 53 | 50 | 50 | 48 | 46 | 34 | | |
| 10" x 18" | 877 | .360 | 31 - 38 - 53 | 42 | 254 x 457 | 414 | 89.7 | 9.4 - 11.5 - 16.2 | 57 | 54 | 54 | 53 | 53 | 41 | | |
| | 542 | .063 | 23 - 30 - 42 | 12 | | 256 | 15.7 | 6.9 - 9.0 - 12.7 | 34 | 31 | 30 | 24 | 18 | - | | |
| | 722 | .112 | 28 - 34 - 48 | 22 | | 341 | 27.9 | 8.5 - 10.4 - 14.7 | 42 | 39 | 38 | 34 | 30 | 17 | | |
| | 902 | .175 | 31 - 38 - 54 | 30 | | 426 | 43.6 | 9.5 - 11.6 - 16.5 | 48 | 45 | 45 | 42 | 39 | 27 | | |
| 10" x 24" | 1083 | .252 | 34 - 42 - 59 | 37 | 254 x 610 | 511 | 62.8 | 10.4 - 12.7 - 18.0 | 53 | 50 | 50 | 48 | 46 | 34 | | |
| | 1263 | .343 | 37 - 45 - 64 | 42 | | 596 | 85.5 | 11.2 - 13.8 - 19.5 | 58 | 55 | 55 | 54 | 53 | 41 | | |
| | 697 | .060 | 27 - 34 - 48 | 12 | | 329 | 14.9 | 8.3 - 10.2 - 14.5 | 34 | 31 | 30 | 24 | 18 | - | | |
| | 933 | .107 | 32 - 39 - 55 | 22 | | 440 | 26.7 | 9.7 - 11.8 - 16.7 | 43 | 40 | 39 | 34 | 30 | 17 | | |
| 10" x 30" | 1170 | .168 | 36 - 44 - 62 | 31 | 254 x 762 | 552 | 41.9 | 10.8 - 13.2 - 18.7 | 49 | 46 | 45 | 42 | 39 | 27 | | |
| | 1406 | .243 | 39 - 48 - 68 | 37 | | 664 | 60.6 | 11.9 - 14.5 - 20.5 | 54 | 51 | 51 | 49 | 47 | 35 | | |
| | 1643 | .332 | 42 - 52 - 73 | 43 | | 775 | 82.7 | 12.8 - 15.7 - 22.2 | 58 | 55 | 55 | 54 | 53 | 41 | | |
| | 846 | .057 | 30 - 37 - 52 | 12 | | 399 | 14.2 | 9.2 - 11.3 - 15.9 | 34 | 31 | 30 | 24 | 18 | - | | |
| 10" x 36" | 1132 | .102 | 35 - 43 - 61 | 22 | 254 x 914 | 534 | 25.4 | 10.6 - 13.0 - 18.4 | 43 | 40 | 39 | 34 | 29 | 17 | | |
| | 1419 | .160 | 39 - 48 - 68 | 30 | | 669 | 39.9 | 11.9 - 14.6 - 20.6 | 49 | 46 | 45 | 42 | 39 | 26 | | |
| | 1705 | .231 | 43 - 53 - 74 | 37 | | 805 | 57.6 | 13.1 - 16.0 - 22.6 | 54 | 51 | 51 | 48 | 46 | 34 | | |
| | 1991 | .315 | 46 - 57 - 80 | 42 | | 940 | 78.6 | 14.1 - 17.3 - 24.4 | 58 | 55 | 55 | 54 | 53 | 41 | | |
| 10" x 42" | 990 | .055 | 33 - 40 - 57 | 12 | 254 x 1067 | 467 | 13.6 | 9.9 - 12.2 - 17.2 | 35 | 32 | 30 | 24 | 17 | - | | |
| | 1332 | .099 | 38 - 46 - 66 | 22 | | 629 | 24.6 | 11.5 - 14.1 - 20.0 | 43 | 40 | 39 | 34 | 29 | 17 | | |
| | 1674 | .156 | 43 - 52 - 74 | 31 | | 790 | 38.8 | 12.9 - 15.8 - 22.4 | 49 | 46 | 46 | 42 | 39 | 27 | | |
| | 2016 | .226 | 47 - 57 - 81 | 37 | | 951 | 56.3 | 14.2 - 17.4 - 24.6 | 54 | 51 | 51 | 49 | 46 | 34 | | |
| 10" x 48" | 2358 | .309 | 51 - 62 - 87 | 43 | 254 x 1219 | 1113 | 77.0 | 15.4 - 18.8 - 26.6 | 59 | 56 | 56 | 54 | 53 | 41 | | |
| | 1120 | .052 | 35 - 43 - 60 | 12 | | 529 | 12.8 | 10.6 - 13.0 - 18.3 | 34 | 31 | 30 | 23 | 17 | - | | |
| | 1493 | .092 | 40 - 49 - 70 | 22 | | 705 | 22.8 | 12.2 - 15.0 - 21.2 | 42 | 39 | 38 | 33 | 29 | 16 | | |
| | 1867 | .143 | 45 - 55 - 78 | 30 | | 881 | 35.6 | 13.7 - 16.7 - 23.7 | 49 | 46 | 45 | 41 | 38 | 25 | | |
| 10" x 60" | 2240 | .206 | 49 - 60 - 85 | 36 | 254 x 1524 | 1057 | 51.3 | 15.0 - 18.3 - 25.9 | 54 | 51 | 50 | 48 | 45 | 33 | | |
| | 2613 | .280 | 53 - 65 - 92 | 42 | | 1233 | 69.8 | 16.2 - 19.8 - 28.0 | 58 | 55 | 55 | 53 | 51 | 40 | | |
| | 1262 | .050 | 37 - 45 - 64 | 12 | | 596 | 12.5 | 11.2 - 13.8 - 19.5 | 35 | 32 | 30 | 23 | 17 | - | | |
| | 1667 | .088 | 42 - 52 - 74 | 21 | | 787 | 21.8 | 12.9 - 15.8 - 22.4 | 42 | 39 | 38 | 33 | 28 | 15 | | |
| 10" x 60" | 2072 | .135 | 47 - 58 - 82 | 29 | 254 x 1524 | 978 | 33.7 | 14.4 - 17.6 - 24.9 | 48 | 45 | 45 | 41 | 37 | 25 | | |
| | 2476 | .194 | 52 - 63 - 90 | 36 | | 1169 | 48.2 | 15.7 - 19.3 - 27.3 | 53 | 50 | 50 | 47 | 44 | 32 | | |
| | 2881 | .262 | 56 - 68 - 97 | 41 | | 1360 | 65.2 | 17.0 - 20.8 - 29.4 | 58 | 55 | 54 | 52 | 51 | 39 | | |
| | 1561 | .049 | 41 - 50 - 71 | 12 | | 737 | 12.3 | 12.5 - 15.3 - 21.6 | 35 | 32 | 31 | 24 | 17 | - | | |
| 10" x 60" | 2059 | .086 | 47 - 58 - 82 | 22 | 254 x 1524 | 972 | 21.4 | 14.3 - 17.6 - 24.9 | 43 | 40 | 39 | 34 | 29 | 16 | | |
| | 2557 | .133 | 53 - 64 - 91 | 30 | | 1207 | 33.1 | 16.0 - 19.6 - 27.7 | 49 | 46 | 45 | 41 | 37 | 25 | | |
| | 3054 | .189 | 57 - 70 - 100 | 36 | | 1442 | 47.2 | 17.5 - 21.4 - 30.3 | 54 | 51 | 50 | 48 | 45 | 33 | | |
| | 3552 | .256 | 62 - 76 - 107 | 41 | | 1676 | 63.8 | 18.8 - 23.1 - 32.6 | 58 | 55 | 55 | 53 | 51 | 39 | | |

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s), free jet. Throw is based on a 15° upward deflection; for 0°, multiply throws shown by 1.2; for 30°, multiply by 0.8. Sound is based on a 0° spread, for 20° spread, add 4 NC; for 40° spread, add 9 NC. 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 dB value of less than 10. Velocity pressures are based on nominal duct velocity. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70. For best performance, the round duct diameter should be sized as large as possible. Duct velocities in excess of 1000 FPM may result in higher noise and asymmetric throw patterns. See Krueger's selection program for performance data not shown, including octave band data.

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