



ENGINEERING DATA

DJ Series

| Size | Nozzle Velocity | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | |
|------|-----------------|-------|----------|-----------|------------|-------------|-------------|-------------|-------------|-------------|
| 3 | An = .012 | CFM | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| | | Ps | 0.010 | 0.030 | 0.090 | 0.190 | 0.310 | 0.750 | 0.820 | 1.100 |
| | | Throw | 4-5-7 | 5-7-12 | 8-9-18 | 10-12-25 | 12-15-31 | 19-25-50 | 20-27-55 | 23-30-60 |
| | | NC | - | - | - | - | 21 | 24 | 28 | 32 |
| 4 | An = .021 | CFM | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| | | Ps | 0.010 | 0.050 | 0.140 | 0.250 | 0.390 | 0.560 | 0.800 | 1.050 |
| | | Throw | 5-6-9 | 8-10-18 | 11-14-27 | 14-18-36 | 18-23-44 | 21-28-53 | 24-32-65 | 28-37-75 |
| | | NC | - | - | - | - | 22 | 27 | 32 | 35 |
| 5 | An = .036 | CFM | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 |
| | | Ps | 0.020 | 0.070 | 0.180 | 0.310 | 0.400 | 0.680 | 0.930 | 1.300 |
| | | Throw | 8-10-15 | 12-15-30 | 15-21-42 | 22-29-55 | 26-35-62 | 30-40-80 | 37-45-98 | 40-52-105 |
| | | NC | - | - | - | - | 22 | 27 | 32 | 35 |
| 6 | An = .047 | CFM | 25 | 50 | 80 | 100 | 120 | 150 | 170 | 190 |
| | | Ps | 0.020 | 0.070 | 0.180 | 0.290 | 0.440 | 0.820 | 0.930 | 1.200 |
| | | Throw | 8-10-19 | 12-16-30 | 19-25-50 | 24-31-65 | 29-37-80 | 34-45-100 | 42-55-110 | 40-50-125 |
| | | NC | - | - | - | 20 | 21 | 27 | 30 | 33 |
| 7 | An = .068 | CFM | 35 | 70 | 110 | 140 | 170 | 210 | 240 | 280 |
| | | Ps | 0.016 | 0.060 | 0.180 | 0.280 | 0.410 | 0.650 | 0.900 | 1.250 |
| | | Throw | 9-11-22 | 14-19-36 | 22-29-60 | 28-36-80 | 34-45-90 | 44-60-105 | 49-65-125 | 55-72-150 |
| | | NC | - | - | - | 20 | 25 | 29 | 34 | 38 |
| 8 | An = .085 | CFM | 45 | 90 | 130 | 170 | 220 | 260 | 300 | 340 |
| | | Ps | 0.016 | 0.060 | 0.170 | 0.270 | 0.380 | 0.640 | 0.920 | 1.200 |
| | | Throw | 10-12-25 | 16-20-40 | 23-30-62 | 30-39-85 | 40-52-105 | 46-62-125 | 54-72-150 | 59-80-162 |
| | | NC | - | - | - | 22 | 27 | 33 | 35 | 39 |
| 10 | An = .165 | CFM | 85 | 170 | 250 | 330 | 420 | 500 | 580 | 660 |
| | | Ps | 0.014 | 0.060 | 0.140 | 0.240 | 0.440 | 0.630 | 0.920 | 1.200 |
| | | Throw | 12-15-30 | 22-30-55 | 32-42-90 | 42-55-112 | 54-72-148 | 63-84-162 | 74-100-190 | 84-112-225 |
| | | NC | - | - | - | 20 | 26 | 30 | 34 | 38 |
| 12 | An = .230 | CFM | 115 | 230 | 350 | 460 | 580 | 690 | 810 | 920 |
| | | Ps | 0.012 | 0.055 | 0.120 | 0.220 | 0.430 | 0.600 | 0.920 | 1.200 |
| | | Throw | 13-17-35 | 26-35-66 | 39-50-100 | 50-65-137 | 62-82-162 | 75-100-187 | 85-112-220 | 100-130-250 |
| | | NC | - | - | - | 23 | 28 | 32 | 36 | 40 |
| 16 | An = .448 | CFM | 225 | 450 | 680 | 900 | 1120 | 1350 | 1570 | 1800 |
| | | Ps | 0.012 | 0.060 | 0.120 | 0.210 | 0.410 | 0.620 | 0.900 | 1.200 |
| | | Throw | 19-25-47 | 36-47-90 | 51-66-138 | 71-95-175 | 84-112-225 | 101-137-250 | 120-160-275 | 135-175-350 |
| | | NC | - | 20 | 21 | 26 | 29 | 37 | 40 | 44 |
| 18 | An = .573 | CFM | 290 | 580 | 860 | 1150 | 1440 | 1720 | 2010 | 2300 |
| | | Ps | 0.010 | 0.060 | 0.100 | 0.210 | 0.420 | 0.600 | 0.900 | 1.150 |
| | | Throw | 20-27-55 | 41-55-112 | 69-98-152 | 81-110-200 | 96-125-250 | 117-155-300 | 133-175-350 | 155-200-400 |
| | | NC | - | - | 20 | 25 | 31 | 35 | 39 | 42 |
| 20 | An = .814 | CFM | 410 | 820 | 1230 | 1630 | 2040 | 2450 | 2850 | 3260 |
| | | Ps | 0.010 | 0.060 | 0.120 | 0.170 | 0.410 | 0.610 | 0.900 | 1.200 |
| | | Throw | 29-38-70 | 57-75-150 | 84-112-220 | 113-150-275 | 133-175-350 | 162-212-400 | 188-250-425 | 213-275-450 |
| | | NC | - | - | 20 | 27 | 32 | 38 | 42 | 45 |

Notes:

1. Units: An - ft², Ps - Inches of Water, Throw, ft, Nozzle Velocity = fpm.
2. Throw values based on 150, 100 and 50 fpm terminal velocity.
3. NC level is based on 10dB room attenuation (RE 10⁻¹² Watts) with one diffuser operating.
4. Dash (-) indicates NC level of less than 20.