## 3/4" SPACING

## 0° DEFLECTION

| Nominal Size | | Nom | Core | Core Vel, fpm | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1300 | 1400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W Width | H Height | Duct ft2 | Area ft2 | Ps | -0.02 | -0.03 | -0.04 | -0.05 | -0.07 | -0.08 | -0.10 | -0.15 | -0.18 | -0.20 |
| | | | | CFM | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 250 | 270 |
| 6 | 6 | 0.25 | 0.20 | NC | <20 | <20 | <20 | <20 | <20 | 22 | 24 | 29 | 32 | 34 |
| | | | | CFM | 110 | 130 | 160 | 190 | 220 | 240 | 270 | 320 | 350 | 380 |
| 8 | 6 | 0.33 | 0.27 | NC | <20 | <20 | <20 | <20 | 20 | 23 | 26 | 31 | 33 | 35 |
| | | | | CFM | 150 | 190 | 220 | 260 | 300 | 330 | 370 | 450 | 480 | 520 |
| 8 | 8 | 0.44 | 0.37 | NC | <20 | <20 | <20 | <20 | 21 | 24 | 27 | 32 | 34 | 36 |
| | | | | CFM | 170 | 210 | 250 | 290 | 330 | 380 | 420 | 500 | 540 | 580 |
| 12 | 6 | 0.50 | 0.42 | NC | <20 | <20 | <20 | <20 | 22 | 25 | 28 | 33 | 35 | 37 |
| | | | | CFM | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 720 | 780 | 840 |
| 10 | 10 | 0.69 | 0.60 | NC | <20 | <20 | <20 | 20 | 23 | 26 | 29 | 34 | 37 | 39 |
| | | | | CFM | 270 | 340 | 410 | 470 | 540 | 610 | 680 | 810 | 880 | 950 |
| 14 | 8 | 0.78 | 0.68 | NC | <20 | <20 | <20 | 20 | 24 | 27 | 30 | 35 | 37 | 39 |
| | | | | CFM | 310 | 390 | 470 | 540 | 620 | 700 | 780 | 930 | 1010 | 1090 |
| 16 | 8 | 0.89 | 0.78 | NC | <20 | <20 | <20 | 21 | 24 | 28 | 30 | 35 | 38 | 40 |
| | | | | CFM | 360 | 440 | 530 | 620 | 710 | 800 | 890 | 1070 | 1160 | 1240 |
| 12 | 12 | 1.00 | 0.89 | NC | <20 | <20 | <20 | 21 | 25 | 28 | 31 | 36 | 38 | 40 |
| | | | | CFM | 390 | 490 | 590 | 690 | 780 | 880 | 980 | 1180 | 1270 | 1370 |
| 20 | 8 | 1.11 | 0.98 | NC | <20 | <20 | <20 | 22 | 25 | 29 | 31 | 36 | 39 | 41 |
| | | | | CFM | 450 | 560 | 670 | 780 | 900 | 1010 | 1120 | 1340 | 1460 | 1570 |
| 18 | 10 | 1.25 | 1.12 | NC | <20 | <20 | <20 | 22 | 26 | 29 | 32 | 37 | 39 | 41 |
| | | | | CFM | 490 | 620 | 740 | 860 | 980 | 1110 | 1230 | 1480 | 1600 | 1720 |
| 14 | 14 | 1.36 | 1.23 | NC | <20 | <20 | <20 | 23 | 26 | 30 | 32 | 37 | 40 | 42 |
| | | | | CFM | 600 | 750 | 900 | 1060 | 1210 | 1360 | 1510 | 1810 | 1960 | 2110 |
| 24 | 10 | 1.67 | 1.51 | NC | <20 | <20 | <20 | 24 | 27 | 30 | 33 | 38 | 41 | 43 |
| | | | | CFM | 650 | 810 | 980 | 1140 | 1300 | 1470 | 1630 | 1950 | 2120 | 2280 |
| 16 | 16 | 1.78 | 1.63 | NC | <20 | <20 | 20 | 24 | 28 | 31 | 34 | 39 | 41 | 43 |
| | | | | CFM | 730 | 920 | 1100 | 1280 | 1470 | 1650 | 1830 | 2200 | 2380 | 2560 |
| 24 | 12 | 2.00 | 1.83 | NC | <20 | <20 | 20 | 24 | 28 | 31 | 34 | 39 | 41 | 43 |
| | | | | CFM | 910 | 1130 | 1360 | 1590 | 1810 | 2040 | 2270 | 2720 | 2950 | 3170 |
| 22 | 16 | 2.44 | 2.27 | NC | <20 | <20 | 21 | 25 | 29 | 32 | 35 | 40 | 42 | 44 |
| | | | | CFM | 1040 | 1290 | 1550 | 1810 | 2070 | 2330 | 2590 | 3110 | 3370 | 3630 |
| 20 | 20 | 2.78 | 2.59 | NC | <20 | <20 | 22 | 26 | 30 | 33 | 36 | 41 | 43 | 45 |
| | | | | CFM | 1260 | 1580 | 1890 | 2210 | 2520 | 2840 | 3150 | 3790 | 4100 | 4420 |
| 22 | 22 | 3.36 | 3.15 | NC | <20 | <20 | 23 | 27 | 30 | 34 | 37 | 42 | 44 | 46 |
| | | | | CFM | 1510 | 1890 | 2260 | 2640 | 3020 | 3400 | 3770 | 4530 | 4910 | 5280 |
| 24 | 24 | 4.00 | 3.77 | NC | <20 | <20 | 23 | 28 | 31 | 34 | 37 | 42 | 45 | 47 |
| | | | | CFM | 1700 | 2120 | 2550 | 2970 | 3400 | 3820 | 4250 | 5090 | 5520 | 5940 |
| 36 | 18 | 4.50 | 4.25 | NC | <20 | <20 | 24 | 28 | 32 | 35 | 38 | 43 | 45 | 47 |
| | | | | CFM | 1900 | 2370 | 2850 | 3320 | 3800 | 4270 | 4750 | 5690 | 6170 | 6640 |
| 30 | 24 | 5.00 | 4.75 | NC | <20 | <20 | 24 | 29 | 32 | 35 | 38 | 43 | 46 | 48 |
| | | | | CFM | 2290 | 2860 | 3430 | 4000 | 4570 | 5140 | 5720 | 6860 | 7430 | 8000 |
| 36 | 24 | 6.00 | 5.72 | NC | <20 | 20 | 25 | 29 | 33 | 36 | 39 | 44 | 46 | 48 |
| | | | | CFM | 2390 | 2980 | 3580 | 4180 | 4770 | 5370 | 5970 | 7160 | 7760 | 8350 |
| 30 | 30 | 6.25 | 5.97 | NC | <20 | 20 | 25 | 30 | 33 | 36 | 39 | 44 | 47 | 49 |
| | | | | CFM | 2680 | 3340 | 4010 | 4680 | 5350 | 6020 | 6690 | 8030 | 8690 | 9360 |
| 42 | 24 | 7.00 | 6.69 | NC | <20 | 21 | 26 | 30 | 34 | 37 | 40 | 45 | 47 | 49 |
| | | | | CFM | 3060 | 3830 | 4600 | 5360 | 6130 | 6890 | 7660 | 9190 | 9960 | 10720 |
| 48 | 24 | 8.00 | 7.66 | NC | <20 | 21 | 26 | 31 | 34 | 38 | 40 | 45 | 48 | 50 |
| | | | | CFM | 3460 | 4330 | 5200 | 6060 | 6930 | 7790 | 8660 | 10390 | 11260 | 12120 |
| 36 | 36 | 9.00 | 8.66 | NC | <20 | 22 | 27 | 31 | 35 | 38 | 41 | 46 | 48 | 50 |
| | | | | CFM | 3870 | 4830 | 5800 | 6770 | 7730 | 8700 | 9670 | 11600 | 12570 | 13540 |
| 38 | 38 | 10.03 | 9.67 | NC | <20 | 22 | 27 | 32 | 35 | 39 | 41 | 46 | 49 | 51 |
| | | | | CFM | 4280 | 5350 | 6420 | 7490 | 8560 | 9630 | 10700 | 12850 | 13920 | 14990 |
| 42 | 38 | 11.08 | 10.70 | NC | <20 | 23 | 28 | 32 | 36 | 39 | 42 | 47 | 49 | 51 |
| | | | | CFM | 5170 | 6460 | 7750 | 9040 | 10330 | 11620 | 12920 | 15500 | 16790 | 18080 |
| 48 | 40 | 13.33 | 12.92 | NC | <20 | 24 | 29 | 33 | 37 | 40 | 43 | 48 | 50 | 52 |
| | | | | CFM | 5690 | 7120 | 8540 | 9960 | 11380 | 12810 | 14230 | 17080 | 18500 | 19920 |
| 48 | 44 | 14.67 | 14.23 | NC | <20 | 24 | 29 | 33 | 37 | 40 | 43 | 48 | 50 | 52 |
| | | | | CFM | 6220 | 7770 | 9330 | 10880 | 12440 | 13990 | 15540 | 18650 | 20210 | 21760 |
| 48 | 48 | 16.00 | 15.54 | NC | <20 | 24 | 29 | 34 | 37 | 41 | 43 | 48 | 51 | 53 |

**Notes:**
- Nominal size represents duct size. For lay-in applications, use neck size to determine data, not module size.

**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

**Pressure**
- $P_S$ represents static pressure requirement. Total pressure can be calculated as $P_t = P_S + P_V$
- $P_V$ is the air velocity pressure in the duct and is calculated as $P_V = (\text{Velocity}/4005)^2$
- All pressures are stated and calculated in inches of water

## 3/4" SPACING

## 45° DEFLECTION

| Nominal Size W Width | Nominal Size H Height | Nom Duct ft2 | Core Area ft2 | Core Vel, fpm | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ps | -0.02 | -0.04 | -0.05 | -0.06 | -0.08 | -0.10 | -0.14 | -0.19 | -0.25 |
| 6 | 6 | 0.25 | 0.20 | CFM | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 140 | 160 |
| | | | | NC | <20 | <20 | <20 | 21 | 25 | 28 | 33 | 37 | 40 |
| 8 | 6 | 0.33 | 0.27 | CFM | 70 | 80 | 90 | 110 | 120 | 130 | 160 | 190 | 220 |
| | | | | NC | <20 | <20 | <20 | 23 | 26 | 29 | 34 | 38 | 42 |
| 8 | 8 | 0.44 | 0.37 | CFM | 90 | 110 | 130 | 150 | 170 | 190 | 220 | 260 | 300 |
| | | | | NC | <20 | <20 | 21 | 24 | 27 | 30 | 35 | 40 | 43 |
| 12 | 6 | 0.50 | 0.42 | CFM | 100 | 130 | 150 | 170 | 190 | 210 | 250 | 290 | 330 |
| | | | | NC | <20 | <20 | 21 | 25 | 28 | 31 | 36 | 40 | 44 |
| 10 | 10 | 0.69 | 0.60 | CFM | 150 | 180 | 210 | 240 | 270 | 300 | 360 | 420 | 480 |
| | | | | NC | <20 | <20 | 23 | 26 | 30 | 32 | 37 | 42 | 45 |
| 14 | 8 | 0.78 | 0.68 | CFM | 170 | 200 | 240 | 270 | 300 | 340 | 410 | 470 | 540 |
| | | | | NC | <20 | <20 | 23 | 27 | 30 | 33 | 38 | 42 | 46 |
| 16 | 8 | 0.89 | 0.78 | CFM | 190 | 230 | 270 | 310 | 350 | 390 | 470 | 540 | 620 |
| | | | | NC | <20 | 20 | 24 | 27 | 31 | 34 | 39 | 43 | 46 |
| 12 | 12 | 1.00 | 0.89 | CFM | 220 | 270 | 310 | 360 | 400 | 440 | 530 | 620 | 710 |
| | | | | NC | <20 | 20 | 24 | 28 | 31 | 34 | 39 | 43 | 47 |
| 20 | 8 | 1.11 | 0.98 | CFM | 250 | 290 | 340 | 390 | 440 | 490 | 590 | 690 | 780 |
| | | | | NC | <20 | 21 | 25 | 28 | 32 | 35 | 40 | 44 | 47 |
| 18 | 10 | 1.25 | 1.12 | CFM | 280 | 340 | 390 | 450 | 500 | 560 | 670 | 780 | 900 |
| | | | | NC | <20 | 21 | 25 | 29 | 32 | 35 | 40 | 44 | 48 |
| 14 | 14 | 1.36 | 1.23 | CFM | 310 | 370 | 430 | 490 | 550 | 620 | 740 | 860 | 980 |
| | | | | NC | <20 | 22 | 26 | 29 | 33 | 36 | 41 | 45 | 48 |
| 24 | 10 | 1.67 | 1.51 | CFM | 380 | 450 | 530 | 600 | 680 | 750 | 900 | 1060 | 1210 |
| | | | | NC | <20 | 22 | 27 | 30 | 34 | 36 | 41 | 46 | 49 |
| 16 | 16 | 1.78 | 1.63 | CFM | 410 | 490 | 570 | 650 | 730 | 810 | 980 | 1140 | 1300 |
| | | | | NC | <20 | 23 | 27 | 31 | 34 | 37 | 42 | 46 | 50 |
| 24 | 12 | 2.00 | 1.83 | CFM | 460 | 550 | 640 | 730 | 820 | 920 | 1100 | 1280 | 1470 |
| | | | | NC | <20 | 23 | 27 | 31 | 34 | 37 | 42 | 46 | 50 |
| 22 | 16 | 2.44 | 2.27 | CFM | 570 | 680 | 790 | 910 | 1020 | 1130 | 1360 | 1590 | 1810 |
| | | | | NC | <20 | 24 | 28 | 32 | 35 | 38 | 43 | 47 | 51 |
| 20 | 20 | 2.78 | 2.59 | CFM | 650 | 780 | 910 | 1040 | 1170 | 1290 | 1550 | 1810 | 2070 |
| | | | | NC | 20 | 25 | 29 | 33 | 36 | 39 | 44 | 48 | 52 |
| 22 | 22 | 3.36 | 3.15 | CFM | 790 | 950 | 1100 | 1260 | 1420 | 1580 | 1890 | 2210 | 2520 |
| | | | | NC | 21 | 26 | 30 | 34 | 37 | 40 | 45 | 49 | 53 |
| 24 | 24 | 4.00 | 3.77 | CFM | 940 | 1130 | 1320 | 1510 | 1700 | 1890 | 2260 | 2640 | 3020 |
| | | | | NC | 21 | 26 | 31 | 34 | 38 | 40 | 45 | 50 | 53 |
| 36 | 18 | 4.50 | 4.25 | CFM | 1060 | 1270 | 1490 | 1700 | 1910 | 2120 | 2550 | 2970 | 3400 |
| | | | | NC | 22 | 27 | 31 | 35 | 38 | 41 | 46 | 50 | 54 |
| 30 | 24 | 5.00 | 4.75 | CFM | 1190 | 1420 | 1660 | 1900 | 2140 | 2370 | 2850 | 3320 | 3800 |
| | | | | NC | 22 | 27 | 32 | 35 | 39 | 41 | 46 | 51 | 54 |
| 36 | 24 | 6.00 | 5.72 | CFM | 1430 | 1710 | 2000 | 2290 | 2570 | 2860 | 3430 | 4000 | 4570 |
| | | | | NC | 23 | 28 | 32 | 36 | 39 | 42 | 47 | 51 | 55 |
| 30 | 30 | 6.25 | 5.97 | CFM | 1490 | 1790 | 2090 | 2390 | 2680 | 2980 | 3580 | 4180 | 4770 |
| | | | | NC | 23 | 28 | 33 | 36 | 40 | 42 | 47 | 52 | 55 |
| 42 | 24 | 7.00 | 6.69 | CFM | 1670 | 2010 | 2340 | 2680 | 3010 | 3340 | 4010 | 4680 | 5350 |
| | | | | NC | 24 | 29 | 33 | 37 | 40 | 43 | 48 | 52 | 56 |
| 48 | 24 | 8.00 | 7.66 | CFM | 1910 | 2300 | 2680 | 3060 | 3450 | 3830 | 4600 | 5360 | 6130 |
| | | | | NC | 24 | 29 | 34 | 37 | 41 | 43 | 48 | 53 | 56 |
| 36 | 36 | 9.00 | 8.66 | CFM | 2160 | 2600 | 3030 | 3460 | 3900 | 4330 | 5200 | 6060 | 6930 |
| | | | | NC | 25 | 30 | 34 | 38 | 41 | 44 | 49 | 53 | 57 |
| 38 | 38 | 10.03 | 9.67 | CFM | 2420 | 2900 | 3380 | 3870 | 4350 | 4830 | 5800 | 6770 | 7730 |
| | | | | NC | 25 | 30 | 35 | 38 | 42 | 44 | 49 | 54 | 57 |
| 42 | 38 | 11.08 | 10.70 | CFM | 2680 | 3210 | 3750 | 4280 | 4820 | 5350 | 6420 | 7490 | 8560 |
| | | | | NC | 26 | 31 | 35 | 39 | 42 | 45 | 50 | 54 | 58 |
| 48 | 40 | 13.33 | 12.92 | CFM | 3230 | 3870 | 4520 | 5170 | 5810 | 6460 | 7750 | 9040 | 10330 |
| | | | | NC | 27 | 32 | 36 | 40 | 43 | 46 | 51 | 55 | 59 |
| 48 | 44 | 14.67 | 14.23 | CFM | 3560 | 4270 | 4980 | 5690 | 6400 | 7120 | 8540 | 9960 | 11380 |
| | | | | NC | 27 | 32 | 36 | 40 | 43 | 46 | 51 | 55 | 59 |
| 48 | 48 | 16.00 | 15.54 | CFM | 3890 | 4660 | 5440 | 6220 | 7000 | 7770 | 9330 | 10880 | 12440 |
| | | | | NC | 28 | 33 | 37 | 40 | 44 | 47 | 52 | 56 | 59 |

**Notes:**
- Nominal size represents duct size. For lay-in applications, use neck size to determine data, not module size.

**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

**Pressure**
- $P_S$ represents static pressure requirement. Total pressure can be calculated as $P_t = P_S + P_V$
- $P_V$ is the air velocity pressure in the duct and is calculated as $P_V = (\text{Velocity}/4005)^2$
- All pressures are stated and calculated in inches of water

| Nominal Size W Width | Nominal Size H Height | Core Area Ft $^2$ | Core Velocity | 300 | 400 | 500 | 600 | 700 | 800 | 850 | 900 | 950 | 1000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Static Pressure | -.02 | -.03 | -.05 | -.07 | -.09 | -.12 | -.14 | -.15 | -.17 | -.19 |
| | | | Velocity Pressure | .01 | .01 | .02 | .02 | .03 | .04 | .05 | .05 | .06 | .06 |
| 6 | 6 | .17 | CFM | 50 | 70 | 90 | 100 | 120 | 140 | 150 | 160 | 160 | 170 |
| | | | NC | <20 | <20 | <20 | <20 | <20 | 21 | 24 | 26 | 28 | 31 |
| 8 | 6 | .25 | CFM | 70 | 100 | 120 | 150 | 170 | 200 | 210 | 220 | 230 | 250 |
| | | | NC | <20 | <20 | <20 | <20 | <20 | 23 | 25 | 28 | 30 | 32 |
| 12 | 6 | .39 | CFM | 120 | 160 | 200 | 240 | 280 | 320 | 340 | 360 | 380 | 390 |
| | | | NC | <20 | <20 | <20 | <20 | 20 | 25 | 27 | 30 | 32 | 34 |
| 10 | 10 | .56 | CFM | 170 | 230 | 280 | 340 | 390 | 450 | 480 | 510 | 530 | 560 |
| | | | NC | <20 | <20 | <20 | <20 | 21 | 27 | 29 | 31 | 34 | 36 |
| 12 | 12 | .84 | CFM | 250 | 340 | 420 | 500 | 590 | 670 | 710 | 760 | 800 | 840 |
| | | | NC | <20 | <20 | <20 | <20 | 23 | 28 | 31 | 33 | 35 | 37 |
| 16 | 12 | 1.16 | CFM | 350 | 460 | 580 | 690 | 810 | 920 | 980 | 1040 | 1100 | 1160 |
| | | | NC | <20 | <20 | <20 | <20 | 24 | 30 | 32 | 34 | 37 | 39 |
| 16 | 16 | 1.56 | CFM | 470 | 630 | 780 | 940 | 1090 | 1250 | 1330 | 1410 | 1490 | 1560 |
| | | | NC | <20 | <20 | <20 | <20 | 26 | 31 | 33 | 36 | 38 | 40 |
| 24 | 12 | 1.78 | CFM | 540 | 710 | 890 | 1070 | 1250 | 1430 | 1520 | 1610 | 1690 | 1780 |
| | | | NC | <20 | <20 | <20 | 20 | 26 | 32 | 34 | 36 | 39 | 41 |
| 18 | 18 | 2.01 | CFM | 600 | 800 | 1000 | 1200 | 1410 | 1610 | 1710 | 1810 | 1910 | 2010 |
| | | | NC | <20 | <20 | <20 | 20 | 27 | 32 | 35 | 37 | 39 | 41 |
| 24 | 16 | 2.41 | CFM | 720 | 970 | 1210 | 1450 | 1690 | 1930 | 2050 | 2170 | 2290 | 2410 |
| | | | NC | <20 | <20 | <20 | 21 | 27 | 33 | 35 | 38 | 40 | 42 |
| 26 | 18 | 2.97 | CFM | 890 | 1190 | 1480 | 1780 | 2080 | 2380 | 2520 | 2670 | 2820 | 2970 |
| | | | NC | <20 | <20 | <20 | 22 | 28 | 34 | 36 | 39 | 41 | 43 |
| 24 | 24 | 3.68 | CFM | 1100 | 1470 | 1840 | 2210 | 2570 | 2940 | 3120 | 3310 | 3490 | 3680 |
| | | | NC | <20 | <20 | <20 | 23 | 29 | 35 | 37 | 39 | 42 | 44 |
| 32 | 22 | 4.54 | CFM | 1360 | 1820 | 2270 | 2730 | 3180 | 3640 | 3860 | 4090 | 4320 | 4540 |
| | | | NC | <20 | <20 | <20 | 24 | 30 | 36 | 38 | 40 | 43 | 45 |
| 30 | 26 | 5.05 | CFM | 1510 | 2020 | 2520 | 3030 | 3530 | 4040 | 4290 | 4540 | 4790 | 5050 |
| | | | NC | <20 | <20 | <20 | 24 | 31 | 36 | 39 | 41 | 43 | 45 |
| 36 | 24 | 5.62 | CFM | 1690 | 2250 | 2810 | 3370 | 3930 | 4490 | 4780 | 5060 | 5340 | 5620 |
| | | | NC | <20 | <20 | <20 | 25 | 31 | 37 | 39 | 41 | 44 | 46 |
| 30 | 30 | 5.84 | CFM | 1750 | 2340 | 2920 | 3510 | 4090 | 4670 | 4970 | 5260 | 5550 | 5840 |
| | | | NC | <20 | <20 | <20 | 25 | 31 | 37 | 39 | 42 | 44 | 46 |
| 32 | 30 | 6.25 | CFM | 1870 | 2500 | 3120 | 3750 | 4370 | 5000 | 5310 | 5620 | 5940 | 6250 |
| | | | NC | <20 | <20 | <20 | 25 | 32 | 37 | 39 | 42 | 44 | 46 |
| 34 | 34 | 7.57 | CFM | 2270 | 3030 | 3780 | 4540 | 5300 | 6050 | 6430 | 6810 | 7190 | 7570 |
| | | | NC | <20 | <20 | <20 | 26 | 32 | 38 | 40 | 43 | 45 | 47 |
| 40 | 30 | 7.88 | CFM | 2360 | 3150 | 3940 | 4730 | 5510 | 6300 | 6700 | 7090 | 7480 | 7880 |
| | | | NC | <20 | <20 | <20 | 26 | 33 | 38 | 40 | 43 | 45 | 47 |
| 44 | 28 | 8.10 | CFM | 2430 | 3240 | 4050 | 4860 | 5670 | 6480 | 6880 | 7290 | 7690 | 8100 |
| | | | NC | <20 | <20 | <20 | 26 | 33 | 38 | 41 | 43 | 45 | 47 |
| 36 | 36 | 8.51 | CFM | 2550 | 3400 | 4260 | 5110 | 5960 | 6810 | 7230 | 7660 | 8080 | 8510 |
| | | | NC | <20 | <20 | <20 | 27 | 33 | 38 | 41 | 43 | 45 | 47 |
| 40 | 34 | 8.95 | CFM | 2690 | 3580 | 4480 | 5370 | 6270 | 7160 | 7610 | 8060 | 8510 | 8950 |
| | | | NC | <20 | <20 | <20 | 27 | 33 | 39 | 41 | 43 | 46 | 48 |
| 42 | 36 | 9.98 | CFM | 2990 | 3990 | 4990 | 5990 | 6990 | 7990 | 8480 | 8980 | 9480 | 9980 |
| | | | NC | <20 | <20 | 20 | 27 | 34 | 39 | 42 | 44 | 46 | 48 |
| 40 | 40 | 10.57 | CFM | 3170 | 4230 | 5280 | 6340 | 7400 | 8450 | 8980 | 9510 | 10040 | 10570 |
| | | | NC | <20 | <20 | 20 | 28 | 34 | 39 | 42 | 44 | 46 | 48 |
| 48 | 36 | 11.45 | CFM | 3440 | 4580 | 5730 | 6870 | 8020 | 9160 | 9730 | 10310 | 10880 | 11450 |
| | | | NC | <20 | <20 | 20 | 28 | 34 | 40 | 42 | 44 | 47 | 49 |
| 46 | 46 | 14.07 | CFM | 4220 | 5630 | 7030 | 8440 | 9850 | 11250 | 11960 | 12660 | 13360 | 14070 |
| | | | NC | <20 | <20 | 21 | 29 | 35 | 41 | 43 | 45 | 48 | 50 |
| 48 | 48 | 15.34 | CFM | 4600 | 6140 | 7670 | 9210 | 10740 | 12280 | 13040 | 13810 | 14580 | 15340 |
| | | | NC | <20 | <20 | 22 | 29 | 35 | 41 | 43 | 46 | 48 | 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

Calculating Data for Other Sizes
- For a given size, calculate the Core Area as (Width - 1.31) x (Height - .69) / 144
- In the Table above, find Core Area similar to calculated Core Area
- Interpolate in-between Core Areas and Air Flow, CFM as needed.