# Performance Data

## FDC - AHRI Certification Rating Points

### Discharge Sound Power Levels

| Unit Size | Fan[2] (cfm) | Input[3] (W) | Min. Δ Ps Inlet[4] (in. w.g.) | Discharge Sound Power Level (db) Fan Only[5] Octave Band 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| **1008** | 700 | 155 | 0.21 | 74 | 70 | 68 | 67 | 64 | 61 |
| **2010** | 1100 | 200 | 0.11 | 71 | 68 | 65 | 64 | 60 | 59 |
| **3012** | 1500 | 425 | 0.1 | 79 | 76 | 72 | 71 | 68 | 68 |
| **4014** | 1800 | 580 | 0.07 | 81 | 78 | 73 | 74 | 71 | 71 |
| **5014** | 2100 | 600 | 0.1 | 81 | 74 | 71 | 72 | 69 | 68 |
| **6014** | 2800 | 580 | 0.08 | 75 | 72 | 71 | 70 | 68 | 67 |

### Radiated Sound Power Levels

| Unit Size | Primary[1] cfm | Fan[2] cfm | Input[3] (W) | Min. Δ Ps Inlet[4] (in. w.g.) | Radiated Sound Power Level (dB) Fan Only[5] Octave Band 2 | 3 | 4 | 5 | 6 | 7 | 1.5 in. Inlet Static w.g. Octave Band 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1008** | 700 | 700 | 155 | 0.21 | 63 | 57 | 50 | 45 | 42 | 37 | 69 | 62 | 55 | 51 | 54 | 55 |
| **2010** | 1100 | 1100 | 200 | 0.11 | 64 | 57 | 49 | 43 | 39 | 36 | 68 | 62 | 55 | 51 | 54 | 56 |
| **3012** | 1500 | 1500 | 425 | 0.1 | 70 | 63 | 55 | 49 | 46 | 43 | 71 | 66 | 58 | 53 | 56 | 58 |
| **4014** | 1800 | 1800 | 580 | 0.07 | 73 | 68 | 58 | 55 | 50 | 47 | 75 | 70 | 60 | 55 | 54 | 54 |
| **5014** | 2100 | 2100 | 600 | 0.1 | 73 | 66 | 58 | 52 | 49 | 46 | 72 | 67 | 59 | 56 | 59 | 60 |
| **6014** | 2800 | 2800 | 580 | 0.08 | 74 | 69 | 60 | 52 | 50 | 50 | 80 | 76 | 66 | 59 | 58 | 57 |

**AHRI Certification Notes:**

1. Primary cfm is the standard rated air volume for the inlet.
2. Fan cfm is the maximum rated fan volume at 0.25" w.g. downstream static pressure.
3. Input watts is the maximum electrical power input at the maximum rated fan volume.
4. Minimum operating pressure inlet is the minimum operating pressure requirement of the primary air valve at the rated primary cfm.
5. Fan only sound power levels are at the maximum rated fan volume.
6. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to the Engineering Guide for more details.

# Performance Data

## FDC - Radiated Sound Power Levels

| Unit Size | Inlet Size Inch | Primary Airflow | | Fan Airflow | | Sound Power Levels, Lw, dB re $10^{-12}$ Watts | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fan Only Octave Band | | | | | | Primary Air | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 125 Pa (0.5 in. w.g.) Octave Band | | | | | | 250 Pa. (1.0 in w.g.) Octave Band | | | | | | 375 Pa. (1.5 in w.g.) Octave Band | | | | | |
| | | L/s | cfm | L/s | cfm | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | 118 | 250 | 118 | 250 | 51 | 43 | 38 | 30 | 27 | 21 | 55 | 46 | 40 | 38 | 39 | 35 | 56 | 48 | 43 | 41 | 44 | 42 | 56 | 49 | 44 | 42 | 47 | 47 |
| | | 189 | 400 | 189 | 400 | 54 | 47 | 41 | 34 | 31 | 25 | 60 | 52 | 45 | 42 | 42 | 39 | 61 | 54 | 48 | 45 | 47 | 46 | 62 | 55 | 49 | 46 | 50 | 50 |
| **10** | 8 | 260 | 550 | 260 | 550 | 60 | 52 | 46 | 40 | 37 | 32 | 64 | 56 | 48 | 45 | 45 | 41 | 65 | 58 | 51 | 47 | 49 | 49 | 66 | 59 | 52 | 49 | 52 | 53 |
| | | 330 | 700 | 330 | 700 | **63** | **57** | **50** | **45** | **42** | **37** | 67 | 59 | 51 | 47 | 46 | 43 | 68 | 61 | 53 | 49 | 51 | 50 | **69** | **62** | **55** | **51** | **54** | **55** |
| | | 425 | 900 | 425 | 900 | 68 | 61 | 54 | 50 | 47 | 43 | 70 | 62 | 53 | 49 | 48 | 45 | 71 | 64 | 56 | 52 | 53 | 52 | 72 | 66 | 57 | 53 | 55 | 57 |
| | | 189 | 400 | 189 | 400 | 55 | 45 | 39 | 30 | 26 | 20 | 58 | 51 | 44 | 41 | 40 | 37 | 60 | 54 | 48 | 44 | 44 | 44 | 61 | 55 | 50 | 46 | 47 | 48 |
| | | 283 | 600 | 283 | 600 | 58 | 50 | 43 | 35 | 31 | 26 | 62 | 55 | 48 | 44 | 43 | 41 | 64 | 58 | 52 | 48 | 48 | 48 | 65 | 60 | 54 | 49 | 50 | 52 |
| **20** | 8 | 378 | 800 | 378 | 800 | 61 | 54 | 46 | 39 | 35 | 31 | 65 | 58 | 51 | 47 | 45 | 44 | 67 | 61 | 54 | 50 | 50 | 51 | 68 | 63 | 57 | 52 | 53 | 55 |
| | | 425 | 900 | 425 | 900 | 62 | 55 | 47 | 40 | 37 | 33 | 66 | 59 | 52 | 48 | 46 | 46 | 68 | 62 | 56 | 51 | 51 | 52 | 69 | 64 | 58 | 53 | 54 | 56 |
| | | 519 | 1100 | 519 | 1100 | 64 | 57 | 49 | 43 | 39 | 36 | 68 | 61 | 54 | 50 | 48 | 48 | 70 | 64 | 57 | 53 | 53 | 54 | 71 | 66 | 60 | 55 | 55 | 58 |
| | | 189 | 400 | 189 | 400 | 55 | 45 | 39 | 30 | 26 | 20 | 56 | 49 | 42 | 39 | 38 | 35 | 59 | 52 | 46 | 43 | 44 | 43 | 60 | 54 | 49 | 45 | 47 | 47 |
| | | 283 | 600 | 283 | 600 | 58 | 50 | 43 | 35 | 31 | 26 | 60 | 52 | 45 | 41 | 41 | 38 | 62 | 55 | 49 | 45 | 47 | 46 | 63 | 57 | 51 | 47 | 50 | 50 |
| **20** | 10 | 378 | 800 | 378 | 800 | 61 | 54 | 46 | 39 | 35 | 31 | 62 | 54 | 46 | 42 | 43 | 41 | 64 | 58 | 50 | 46 | 48 | 48 | 65 | 59 | 53 | 49 | 52 | 53 |
| | | 425 | 900 | 425 | 900 | 62 | 55 | 47 | 40 | 37 | 33 | 63 | 55 | 47 | 43 | 44 | 42 | 65 | 58 | 51 | 47 | 49 | 49 | 66 | 60 | 53 | 50 | 53 | 54 |
| | | 519 | 1100 | 519 | 1100 | **64** | **57** | **49** | **43** | **39** | **36** | 64 | 57 | 48 | 44 | 45 | 44 | 66 | 60 | 52 | 48 | 51 | 51 | **68** | **62** | **55** | **51** | **54** | **56** |
| | | 236 | 500 | 236 | 500 | 58 | 49 | 42 | 31 | 27 | 24 | 58 | 51 | 44 | 40 | 40 | 37 | 61 | 54 | 48 | 44 | 45 | 44 | 62 | 56 | 50 | 46 | 49 | 49 |
| | | 378 | 800 | 378 | 800 | 63 | 55 | 48 | 39 | 35 | 32 | 62 | 54 | 46 | 42 | 43 | 41 | 64 | 58 | 50 | 46 | 48 | 48 | 65 | 59 | 53 | 49 | 52 | 53 |
| **30** | 10 | 472 | 1000 | 472 | 1000 | 66 | 58 | 51 | 42 | 39 | 36 | 63 | 56 | 48 | 43 | 44 | 43 | 66 | 59 | 52 | 48 | 50 | 50 | 67 | 61 | 54 | 50 | 53 | 55 |
| | | 614 | 1300 | 614 | 1300 | 68 | 61 | 54 | 47 | 44 | 41 | 65 | 58 | 49 | 45 | 46 | 45 | 68 | 61 | 53 | 49 | 52 | 53 | 69 | 63 | 56 | 51 | 55 | 57 |
| | | 708 | 1500 | 708 | 1500 | 70 | 63 | 55 | 49 | 46 | 43 | 66 | 59 | 50 | 46 | 47 | 46 | 69 | 62 | 54 | 50 | 53 | 54 | 70 | 64 | 57 | 52 | 56 | 58 |
| | | 236 | 500 | 236 | 500 | 58 | 49 | 42 | 31 | 27 | 24 | 57 | 50 | 43 | 40 | 40 | 36 | 59 | 53 | 47 | 44 | 45 | 44 | 60 | 54 | 49 | 47 | 49 | 49 |
| | | 378 | 800 | 378 | 800 | 63 | 55 | 48 | 39 | 35 | 32 | 62 | 55 | 47 | 43 | 43 | 40 | 63 | 58 | 51 | 47 | 49 | 48 | 64 | 59 | 53 | 49 | 52 | 53 |
| **30** | 12 | 472 | 1000 | 472 | 1000 | 66 | 58 | 51 | 42 | 39 | 36 | 64 | 57 | 49 | 44 | 44 | 41 | 66 | 60 | 53 | 48 | 50 | 50 | 67 | 62 | 55 | 51 | 54 | 54 |
| | | 614 | 1300 | 614 | 1300 | 68 | 61 | 54 | 47 | 44 | 41 | 67 | 60 | 51 | 46 | 46 | 43 | 68 | 63 | 55 | 50 | 52 | 52 | 69 | 65 | 57 | 52 | 55 | 57 |
| | | 708 | 1500 | 708 | 1500 | **70** | **63** | **55** | **49** | **46** | **43** | 68 | 62 | 52 | 47 | 47 | 45 | 70 | 65 | 56 | 51 | 53 | 53 | **71** | **66** | **58** | **53** | **56** | **58** |
| | | 330 | 700 | 330 | 700 | 58 | 52 | 48 | 37 | 33 | 29 | 60 | 54 | 46 | 42 | 42 | 38 | 62 | 56 | 50 | 46 | 48 | 47 | 63 | 58 | 52 | 49 | 51 | 52 |
| | | 566 | 1200 | 566 | 1200 | 66 | 61 | 54 | 47 | 43 | 40 | 66 | 59 | 50 | 45 | 45 | 43 | 68 | 62 | 54 | 49 | 51 | 51 | 69 | 64 | 56 | 52 | 55 | 56 |
| **40** | 12 | 708 | 1500 | 708 | 1500 | 70 | 65 | 56 | 51 | 47 | 44 | 68 | 62 | 52 | 47 | 47 | 45 | 70 | 65 | 56 | 51 | 53 | 53 | 71 | 66 | 58 | 53 | 56 | 58 |
| | | 850 | 1800 | 850 | 1800 | 73 | 68 | 58 | 55 | 50 | 47 | 70 | 64 | 54 | 48 | 48 | 46 | 72 | 67 | 57 | 52 | 54 | 54 | 73 | 68 | 60 | 54 | 58 | 59 |
| | | 944 | 2000 | 944 | 2000 | 74 | 70 | 59 | 57 | 52 | 49 | 71 | 65 | 55 | 48 | 49 | 47 | 73 | 68 | 58 | 52 | 55 | 55 | 74 | 69 | 60 | 55 | 58 | 60 |
| | | 330 | 700 | 330 | 700 | 58 | 52 | 48 | 37 | 33 | 29 | 58 | 53 | 48 | 42 | 39 | 35 | 61 | 56 | 50 | 45 | 43 | 41 | 62 | 57 | 51 | 47 | 45 | 45 |
| | | 566 | 1200 | 566 | 1200 | 66 | 61 | 54 | 47 | 43 | 40 | 65 | 61 | 53 | 46 | 43 | 40 | 68 | 63 | 55 | 50 | 48 | 46 | 69 | 64 | 57 | 51 | 50 | 50 |
| **40** | 14 | 708 | 1500 | 708 | 1500 | 70 | 65 | 56 | 51 | 47 | 44 | 68 | 64 | 55 | 48 | 45 | 42 | 71 | 66 | 57 | 51 | 50 | 49 | 72 | 68 | 59 | 53 | 52 | 52 |
| | | 850 | 1800 | 850 | 1800 | **73** | **68** | **58** | **55** | **50** | **47** | 71 | 66 | 57 | 49 | 47 | 44 | 73 | 69 | 59 | 53 | 51 | 50 | **75** | **70** | **60** | **55** | **54** | **54** |
| | | 944 | 2000 | 944 | 2000 | 74 | 70 | 59 | 57 | 52 | 49 | 72 | 68 | 58 | 50 | 48 | 45 | 75 | 70 | 60 | 54 | 52 | 52 | 76 | 72 | 61 | 56 | 55 | 55 |
| | | 472 | 1000 | 472 | 1000 | 59 | 50 | 47 | 38 | 34 | 29 | 64 | 56 | 50 | 46 | 46 | 34 | 65 | 59 | 53 | 50 | 52 | 50 | 66 | 61 | 55 | 52 | 55 | 55 |
| | | 661 | 1400 | 661 | 1400 | 66 | 57 | 52 | 45 | 41 | 36 | 67 | 59 | 52 | 48 | 48 | 37 | 68 | 62 | 55 | 52 | 54 | 53 | 69 | 64 | 57 | 54 | 57 | 57 |
| **50** | 14 | 802 | 1700 | 802 | 1700 | 69 | 62 | 54 | 48 | 45 | 41 | 68 | 60 | 53 | 49 | 49 | 38 | 70 | 63 | 56 | 53 | 55 | 54 | 70 | 65 | 58 | 55 | 58 | 59 |
| | | 991 | 2100 | 991 | 2100 | **73** | **66** | **58** | **52** | **49** | **46** | 70 | 62 | 55 | 50 | 51 | 40 | 71 | 65 | 58 | 54 | 56 | 56 | **72** | **67** | **59** | **56** | **59** | **60** |
| | | 1085 | 2300 | 1085 | 2300 | 75 | 68 | 59 | 54 | 51 | 48 | 71 | 63 | 55 | 50 | 51 | 40 | 72 | 66 | 58 | 54 | 56 | 56 | 73 | 68 | 60 | 56 | 60 | 61 |
| | | 519 | 1100 | 519 | 1100 | 59 | 54 | 47 | 35 | 33 | 29 | 60 | 56 | 49 | 41 | 38 | 36 | 63 | 58 | 52 | 44 | 42 | 39 | 64 | 60 | 54 | 46 | 44 | 41 |
| | | 802 | 1700 | 802 | 1700 | 66 | 61 | 53 | 43 | 41 | 39 | 67 | 63 | 54 | 47 | 45 | 43 | 70 | 66 | 58 | 50 | 48 | 47 | 72 | 67 | 60 | 52 | 50 | 49 |
| **60** | 16 | 1085 | 2300 | 1085 | 2300 | 71 | 66 | 58 | 48 | 47 | 46 | 73 | 68 | 58 | 51 | 49 | 48 | 75 | 71 | 62 | 54 | 53 | 52 | 77 | 72 | 63 | 56 | 55 | 54 |
| | | 1321 | 2800 | 1321 | 2800 | **74** | **69** | **60** | **52** | **50** | **50** | 76 | 71 | 61 | 54 | 52 | 51 | 79 | 74 | 64 | 57 | 56 | 55 | **80** | **76** | **66** | **59** | **58** | **57** |
| | | 1652 | 3500 | 1652 | 3500 | 78 | 73 | 63 | 56 | 55 | 55 | 80 | 75 | 64 | 57 | 56 | 55 | 83 | 78 | 67 | 60 | 59 | 59 | 84 | 79 | 69 | 62 | 61 | 61 |

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2016.
2. Data does not include corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
3. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 63 Pa (0.25 in. w.g.) in all cases.
5. AHRI certified data is highlighted in **maroon**. All other data are application ratings.

# Performance Data

## FDC - Discharge Sound Power Levels

| Unit Size | Inlet Size Inch | Primary Airflow | | Fan Airflow | | Sound Power Levels, Lw, dB re $10^{-12}$ Watts | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fan Only Octave Band | | | | | | Primary Air | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 187 Pa (0.75 in w.g.) Octave Band | | | | | | 251 Pa. (1.0 in w.g.) Octave Band | | | | | | 376 Pa. (1.5 in w.g.) Octave Band | | | | | |
| | | L/s | cfm | L/s | cfm | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | 118 | 250 | 118 | 250 | 57 | 54 | 55 | 49 | 47 | 40 | 58 | 55 | 55 | 49 | 45 | 38 | 59 | 55 | 56 | 49 | 45 | 39 | 60 | 56 | 56 | 50 | 46 | 39 |
| | | 189 | 400 | 189 | 400 | 64 | 60 | 60 | 56 | 54 | 48 | 65 | 61 | 60 | 56 | 52 | 48 | 65 | 62 | 60 | 56 | 53 | 48 | 66 | 63 | 61 | 57 | 53 | 48 |
| **10** | 8 | 260 | 550 | 260 | 550 | 70 | 66 | 65 | 63 | 60 | 55 | 69 | 66 | 63 | 61 | 57 | 54 | 70 | 66 | 63 | 61 | 57 | 54 | 71 | 67 | 64 | 61 | 58 | 55 |
| | | 330 | 700 | 330 | 700 | **74** | **70** | **68** | **67** | **64** | **61** | 73 | 69 | 65 | 64 | 61 | 59 | 73 | 70 | 66 | 64 | 61 | 59 | 74 | 71 | 66 | 65 | 61 | 59 |
| | | 425 | 900 | 425 | 900 | 78 | 75 | 72 | 72 | 69 | 66 | 76 | 73 | 68 | 68 | 65 | 64 | 77 | 73 | 68 | 68 | 65 | 64 | 78 | 74 | 69 | 68 | 65 | 65 |
| | | 189 | 400 | 189 | 400 | 62 | 57 | 53 | 50 | 45 | 39 | 62 | 56 | 54 | 49 | 45 | 39 | 62 | 57 | 54 | 49 | 45 | 39 | 64 | 58 | 54 | 49 | 46 | 39 |
| | | 283 | 600 | 283 | 600 | 66 | 62 | 58 | 55 | 51 | 47 | 66 | 61 | 58 | 54 | 50 | 46 | 67 | 61 | 58 | 54 | 51 | 46 | 68 | 62 | 58 | 54 | 51 | 46 |
| **20** | 8 | 378 | 800 | 378 | 800 | 68 | 65 | 61 | 59 | 56 | 53 | 70 | 64 | 61 | 57 | 54 | 51 | 71 | 65 | 61 | 58 | 54 | 51 | 72 | 66 | 61 | 58 | 54 | 51 |
| | | 425 | 900 | 425 | 900 | 69 | 66 | 63 | 61 | 57 | 55 | 71 | 65 | 62 | 59 | 56 | 53 | 72 | 66 | 62 | 59 | 56 | 53 | 73 | 67 | 62 | 59 | 56 | 53 |
| | | 519 | 1100 | 519 | 1100 | **71** | **68** | **65** | **64** | **60** | **59** | 73 | 67 | 64 | 61 | 58 | 56 | 74 | 68 | 64 | 61 | 58 | 56 | 75 | 69 | 64 | 61 | 58 | 56 |
| | | 189 | 400 | 189 | 400 | 62 | 57 | 53 | 50 | 45 | 39 | 61 | 58 | 55 | 51 | 46 | 41 | 62 | 59 | 55 | 51 | 47 | 41 | 63 | 59 | 55 | 51 | 47 | 41 |
| | | 283 | 600 | 283 | 600 | 66 | 62 | 58 | 55 | 51 | 47 | 66 | 62 | 58 | 55 | 51 | 47 | 66 | 62 | 58 | 55 | 51 | 47 | 67 | 63 | 58 | 55 | 51 | 47 |
| **20** | 10 | 378 | 800 | 378 | 800 | 68 | 65 | 61 | 59 | 56 | 53 | 68 | 64 | 60 | 58 | 54 | 51 | 69 | 65 | 60 | 58 | 54 | 51 | 70 | 66 | 60 | 58 | 54 | 51 |
| | | 425 | 900 | 425 | 900 | 69 | 66 | 63 | 61 | 57 | 55 | 70 | 65 | 61 | 59 | 55 | 52 | 70 | 66 | 61 | 59 | 55 | 53 | 71 | 67 | 61 | 59 | 55 | 53 |
| | | 519 | 1100 | 519 | 1100 | **71** | **68** | **65** | **64** | **60** | **59** | 72 | 67 | 63 | 61 | 57 | 55 | 72 | 68 | 63 | 61 | 58 | 55 | 73 | 68 | 63 | 61 | 58 | 56 |
| | | 236 | 500 | 236 | 500 | 61 | 57 | 54 | 50 | 45 | 40 | 64 | 60 | 57 | 53 | 49 | 44 | 64 | 61 | 57 | 53 | 49 | 44 | 65 | 61 | 57 | 53 | 49 | 44 |
| | | 378 | 800 | 378 | 800 | 69 | 65 | 62 | 59 | 55 | 52 | 68 | 64 | 60 | 58 | 54 | 51 | 69 | 65 | 60 | 58 | 54 | 51 | 70 | 66 | 60 | 58 | 54 | 51 |
| **30** | 10 | 472 | 1000 | 472 | 1000 | 72 | 69 | 65 | 63 | 60 | 57 | 71 | 66 | 62 | 60 | 56 | 54 | 71 | 67 | 62 | 60 | 57 | 54 | 72 | 68 | 62 | 60 | 57 | 54 |
| | | 614 | 1300 | 614 | 1300 | 77 | 73 | 69 | 68 | 65 | 64 | 73 | 69 | 64 | 63 | 59 | 58 | 74 | 69 | 64 | 63 | 59 | 58 | 75 | 70 | 64 | 63 | 59 | 58 |
| | | 708 | 1500 | 708 | 1500 | 79 | 76 | 72 | 71 | 68 | 68 | 75 | 70 | 65 | 64 | 61 | 60 | 75 | 70 | 65 | 64 | 61 | 60 | 76 | 71 | 65 | 64 | 61 | 60 |
| | | 236 | 500 | 236 | 500 | 61 | 57 | 54 | 50 | 45 | 40 | 62 | 57 | 54 | 50 | 45 | 40 | 62 | 57 | 54 | 50 | 45 | 40 | 63 | 58 | 54 | 50 | 45 | 41 |
| | | 378 | 800 | 378 | 800 | 69 | 65 | 62 | 59 | 55 | 52 | 68 | 63 | 60 | 57 | 53 | 51 | 69 | 64 | 61 | 58 | 53 | 51 | 70 | 65 | 61 | 58 | 54 | 51 |
| **30** | 12 | 472 | 1000 | 472 | 1000 | 72 | 69 | 65 | 63 | 60 | 57 | 71 | 67 | 64 | 61 | 57 | 56 | 72 | 67 | 64 | 61 | 57 | 56 | 73 | 68 | 64 | 61 | 58 | 56 |
| | | 614 | 1300 | 614 | 1300 | 77 | 73 | 69 | 68 | 65 | 64 | 74 | 70 | 68 | 65 | 62 | 61 | 75 | 71 | 68 | 66 | 62 | 62 | 76 | 71 | 68 | 66 | 62 | 62 |
| | | 708 | 1500 | 708 | 1500 | **79** | **76** | **72** | **71** | **68** | **68** | 76 | 72 | 70 | 68 | 65 | 65 | 77 | 73 | 70 | 68 | 65 | 65 | 78 | 73 | 70 | 68 | 65 | 65 |
| | | 330 | 700 | 330 | 700 | 66 | 62 | 61 | 57 | 53 | 49 | 66 | 62 | 59 | 55 | 51 | 48 | 67 | 62 | 59 | 55 | 51 | 48 | 68 | 63 | 59 | 55 | 51 | 48 |
| | | 566 | 1200 | 566 | 1200 | 75 | 71 | 68 | 66 | 63 | 61 | 73 | 69 | 66 | 64 | 61 | 60 | 74 | 70 | 66 | 64 | 61 | 60 | 75 | 70 | 66 | 64 | 61 | 60 |
| **40** | 12 | 708 | 1500 | 708 | 1500 | 78 | 75 | 71 | 70 | 67 | 66 | 76 | 72 | 70 | 68 | 65 | 65 | 77 | 73 | 70 | 68 | 65 | 65 | 78 | 73 | 70 | 68 | 65 | 65 |
| | | 850 | 1800 | 850 | 1800 | 81 | 78 | 73 | 74 | 71 | 71 | 79 | 75 | 72 | 71 | 68 | 69 | 80 | 75 | 72 | 71 | 68 | 69 | 81 | 76 | 72 | 71 | 68 | 69 |
| | | 944 | 2000 | 944 | 2000 | 82 | 80 | 75 | 75 | 73 | 73 | 80 | 76 | 74 | 73 | 70 | 71 | 81 | 77 | 74 | 73 | 70 | 71 | 82 | 77 | 74 | 73 | 70 | 71 |
| | | 330 | 700 | 330 | 700 | 66 | 62 | 61 | 57 | 53 | 49 | 64 | 60 | 61 | 56 | 52 | 48 | 64 | 60 | 61 | 56 | 52 | 48 | 65 | 61 | 61 | 57 | 52 | 49 |
| | | 566 | 1200 | 566 | 1200 | 75 | 71 | 68 | 66 | 63 | 61 | 71 | 68 | 67 | 65 | 61 | 59 | 72 | 69 | 67 | 65 | 61 | 59 | 72 | 69 | 67 | 65 | 62 | 59 |
| **40** | 14 | 708 | 1500 | 708 | 1500 | 78 | 75 | 71 | 70 | 67 | 66 | 74 | 72 | 70 | 68 | 65 | 63 | 75 | 72 | 70 | 68 | 65 | 64 | 75 | 72 | 70 | 68 | 65 | 64 |
| | | 850 | 1800 | 850 | 1800 | **81** | **78** | **73** | **74** | **71** | **71** | 77 | 75 | 72 | 71 | 68 | 67 | 77 | 75 | 72 | 71 | 68 | 67 | 78 | 75 | 72 | 71 | 68 | 67 |
| | | 944 | 2000 | 944 | 2000 | 82 | 80 | 75 | 75 | 73 | 73 | 78 | 76 | 73 | 72 | 70 | 69 | 79 | 77 | 73 | 73 | 70 | 69 | 79 | 77 | 73 | 73 | 70 | 70 |
| | | 472 | 1000 | 472 | 1000 | 67 | 60 | 60 | 58 | 54 | 50 | 68 | 62 | 61 | 59 | 55 | 52 | 69 | 62 | 61 | 59 | 55 | 52 | 69 | 63 | 61 | 59 | 56 | 52 |
| | | 661 | 1400 | 661 | 1400 | 73 | 66 | 65 | 64 | 61 | 58 | 72 | 66 | 64 | 64 | 60 | 58 | 73 | 66 | 65 | 64 | 60 | 58 | 73 | 67 | 65 | 64 | 61 | 59 |
| **50** | 14 | 802 | 1700 | 802 | 1700 | 77 | 70 | 68 | 68 | 65 | 63 | 75 | 68 | 66 | 66 | 63 | 62 | 75 | 69 | 67 | 66 | 63 | 62 | 76 | 70 | 67 | 67 | 63 | 62 |
| | | 991 | 2100 | 991 | 2100 | **81** | **74** | **71** | **72** | **69** | **68** | 77 | 71 | 69 | 69 | 66 | 66 | 78 | 72 | 69 | 69 | 66 | 66 | 78 | 72 | 69 | 69 | 67 | 66 |
| | | 1085 | 2300 | 1085 | 2300 | 83 | 76 | 72 | 73 | 71 | 70 | 78 | 72 | 70 | 70 | 67 | 68 | 79 | 73 | 70 | 70 | 68 | 68 | 79 | 74 | 70 | 71 | 68 | 68 |
| | | 519 | 1100 | 519 | 1100 | 59 | 55 | 56 | 52 | 50 | 45 | 61 | 55 | 56 | 55 | 52 | 48 | 62 | 56 | 57 | 55 | 52 | 49 | 64 | 57 | 57 | 56 | 53 | 50 |
| | | 802 | 1700 | 802 | 1700 | 66 | 63 | 63 | 61 | 58 | 56 | 70 | 63 | 64 | 63 | 61 | 58 | 70 | 64 | 64 | 64 | 61 | 59 | 72 | 65 | 65 | 64 | 62 | 59 |
| **60** | 16 | 1085 | 2300 | 1085 | 2300 | 72 | 68 | 68 | 66 | 64 | 63 | 75 | 69 | 69 | 69 | 67 | 65 | 76 | 70 | 69 | 69 | 67 | 65 | 77 | 71 | 70 | 70 | 68 | 66 |
| | | 1321 | 2800 | 1321 | 2800 | **75** | **72** | **71** | **70** | **68** | **67** | 79 | 73 | 72 | 73 | 71 | 69 | 80 | 74 | 73 | 73 | 72 | 70 | 81 | 75 | 73 | 74 | 72 | 71 |
| | | 1652 | 3500 | 1652 | 3500 | 79 | 76 | 75 | 75 | 73 | 73 | 83 | 77 | 76 | 77 | 76 | 74 | 84 | 78 | 76 | 77 | 76 | 75 | 85 | 79 | 77 | 78 | 77 | 76 |

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2016.
2. AHRI certified data is highlighted in maroon. All other data are application ratings.
3. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 63 Pa (0.25 in. w.g.) in all cases.
5. AHRI certified data is highlighted in **maroon**. All other data are application ratings.

# Performance Data

## FDC with Attenuator - ARI Certification Rating Points

### Discharge Sound Power Level

| Unit Size | Fan[2] cfm | Input[3] (W) | Min. Δ Ps Inlet[4] (in. w.g.) | Discharge Sound Power Level (dB) Fan Only[5] Octave Band 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| **1008** | 700 | 180 | 0.21 | 74 | 72 | 68 | 70 | 65 |
| **2010** | 1100 | 230 | 0.11 | 71 | 68 | 65 | 63 | 60 |
| **3012** | 1500 | 460 | 0.1 | 78 | 75 | 71 | 72 | 67 |
| **4014** | 1800 | 580 | 0.07 | 81 | 79 | 75 | 75 | 72 |
| **5014** | 2100 | 600 | 0.1 | 80 | 74 | 71 | 71 | 69 |
| **6014** | 2800 | 580 | 0.08 | 73 | 72 | 72 | 70 | 68 |

### Radiated Sound Power Level

| Unit Size | Pri-mary[1] (cfm) | Fan[2] cfm | Input[3] (W) | Min. Δ Ps Inlet[4] (in. w.g.) | Discharge Sound Power Level (dB) Fan Only[5] Octave Band 2 | 3 | 4 | 5 | 6 | 7 | 1.5 in Inlet Static w.g. Octave Band 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1008** | 700 | 700 | 155 | 0.21 | 64 | 58 | 50 | 46 | 40 | 34 | 67 | 61 | 51 | 44 | 42 | 42 |
| **2010** | 1100 | 1100 | 200 | 0.11 | 62 | 55 | 47 | 42 | 37 | 32 | 67 | 60 | 50 | 42 | 41 | 41 |
| **3012** | 1500 | 1500 | 425 | 0.1 | 69 | 62 | 52 | 48 | 45 | 41 | 70 | 64 | 53 | 47 | 45 | 44 |
| **4014** | 1800 | 1800 | 580 | 0.07 | 72 | 65 | 56 | 50 | 47 | 44 | 74 | 68 | 57 | 51 | 49 | 46 |
| **5014** | 2100 | 2100 | 600 | 0.1 | 72 | 63 | 54 | 48 | 44 | 40 | 72 | 64 | 55 | 49 | 47 | 46 |
| **6014** | 2800 | 2800 | 580 | 0.08 | 72 | 66 | 55 | 47 | 43 | 41 | 80 | 73 | 61 | 53 | 51 | 49 |

**AHRI Certification Notes:**

1. Primary CFM is the standard rated air volume for the inlet.
2. Fan CFM is the maximum rated fan volume at 0.25" w.g. downstream static pressure.
3. Input watts is the maximum electrical power input at the maximum rated fan volume.
4. Minimum operating pressure inlet is the minimum operating pressure requirement of the primary air valve at the rated primary CFM.
5. Fan only sound power levels are at the maximum rated fan volume.
6. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to the Engineering Guide for more details.

# Performance Data

## FDC with Attenuator - Radiated Sound Power Levels

| Unit Size | Inlet Size Inch | Primary Airflow | | Fan Airflow | | Sound Power Levels, Lw, dB re $10^{-12}$ Watts | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fan Only Octave Band | | | | | | Primary Air | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 125 Pa (0.5 in w.g.) Octave Band | | | | | | 250 Pa. (1.0 in w.g.) Octave Band | | | | | | 375 Pa. (1.5 in w.g.) Octave Band | | | | | |
| | | L/s | cfm | L/s | cfm | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 |
| 10 | 8 | 118 | 250 | 118 | 250 | 49 | 43 | 38 | 32 | 26 | 20 | 52 | 46 | 38 | 32 | 31 | 28 | 54 | 48 | 40 | 33 | 34 | 32 | 54 | 49 | 41 | 34 | 35 | 35 |
| | | 189 | 400 | 189 | 400 | 50 | 45 | 39 | 33 | 27 | 22 | 58 | 51 | 43 | 37 | 34 | 31 | 59 | 53 | 45 | 38 | 37 | 36 | 60 | 54 | 46 | 39 | 38 | 38 |
| | | 260 | 550 | 260 | 550 | 58 | 52 | 45 | 40 | 34 | 29 | 62 | 55 | 46 | 40 | 36 | 33 | 63 | 57 | 48 | 41 | 39 | 38 | 64 | 58 | 49 | 42 | 40 | 40 |
| | | 330 | 700 | 330 | 700 | **64** | **58** | **50** | **46** | **40** | **34** | 65 | 58 | 48 | 42 | 38 | 35 | 66 | 60 | 50 | 43 | 40 | 39 | **67** | **61** | **51** | **44** | **42** | **42** |
| | | 425 | 900 | 425 | 900 | 69 | 64 | 54 | 51 | 45 | 39 | 68 | 61 | 51 | 45 | 39 | 36 | 69 | 63 | 53 | 46 | 42 | 41 | 70 | 64 | 54 | 47 | 43 | 44 |
| 20 | 8 | 189 | 400 | 189 | 400 | 51 | 43 | 36 | 27 | 23 | 18 | 57 | 49 | 40 | 33 | 28 | 24 | 59 | 52 | 44 | 37 | 32 | 30 | 60 | 54 | 46 | 38 | 35 | 34 |
| | | 283 | 600 | 283 | 600 | 56 | 48 | 40 | 33 | 29 | 24 | 60 | 53 | 44 | 37 | 31 | 28 | 62 | 56 | 47 | 40 | 35 | 34 | 64 | 58 | 50 | 42 | 38 | 38 |
| | | 378 | 800 | 378 | 800 | 59 | 51 | 43 | 37 | 33 | 28 | 63 | 56 | 47 | 40 | 33 | 31 | 65 | 59 | 50 | 43 | 38 | 37 | 66 | 61 | 52 | 45 | 40 | 41 |
| | | 425 | 900 | 425 | 900 | 60 | 53 | 45 | 39 | 34 | 30 | 64 | 58 | 48 | 41 | 34 | 32 | 66 | 61 | 51 | 44 | 39 | 39 | 68 | 62 | 53 | 46 | 41 | 42 |
| | | 519 | 1100 | 519 | 1100 | 62 | 55 | 47 | 42 | 37 | 32 | 66 | 60 | 50 | 42 | 36 | 34 | 68 | 63 | 53 | 46 | 40 | 41 | 69 | 65 | 55 | 47 | 43 | 44 |
| 20 | 10 | 189 | 400 | 189 | 400 | 51 | 43 | 36 | 27 | 23 | 18 | 55 | 48 | 40 | 33 | 27 | 24 | 57 | 51 | 42 | 35 | 31 | 29 | 59 | 53 | 44 | 36 | 33 | 33 |
| | | 283 | 600 | 283 | 600 | 56 | 48 | 40 | 33 | 29 | 24 | 58 | 51 | 42 | 35 | 30 | 27 | 60 | 54 | 45 | 37 | 34 | 33 | 62 | 56 | 46 | 39 | 36 | 36 |
| | | 378 | 800 | 378 | 800 | 59 | 51 | 43 | 37 | 33 | 28 | 60 | 53 | 44 | 37 | 32 | 30 | 63 | 56 | 46 | 39 | 36 | 35 | 64 | 58 | 48 | 40 | 39 | 38 |
| | | 425 | 900 | 425 | 900 | 60 | 53 | 45 | 39 | 34 | 30 | 61 | 54 | 44 | 37 | 33 | 31 | 63 | 57 | 47 | 40 | 37 | 36 | 65 | 59 | 48 | 41 | 39 | 39 |
| | | 519 | 1100 | 519 | 1100 | **62** | **55** | **47** | **42** | **37** | **32** | 62 | 55 | 46 | 39 | 35 | 32 | 65 | 58 | 48 | 41 | 39 | 38 | **67** | **60** | **50** | **42** | **41** | **41** |
| 30 | 10 | 236 | 500 | 236 | 500 | 54 | 45 | 37 | 29 | 24 | 22 | 57 | 49 | 40 | 33 | 29 | 25 | 59 | 52 | 43 | 37 | 35 | 33 | 61 | 54 | 46 | 39 | 38 | 37 |
| | | 378 | 800 | 378 | 800 | 60 | 52 | 43 | 37 | 33 | 30 | 61 | 52 | 42 | 35 | 32 | 29 | 63 | 55 | 46 | 39 | 38 | 37 | 64 | 57 | 49 | 42 | 41 | 41 |
| | | 472 | 1000 | 472 | 1000 | 63 | 56 | 47 | 41 | 37 | 34 | 62 | 54 | 44 | 36 | 34 | 31 | 65 | 57 | 48 | 41 | 39 | 39 | 66 | 59 | 50 | 43 | 43 | 43 |
| | | 614 | 1300 | 614 | 1300 | 67 | 60 | 50 | 45 | 42 | 38 | 64 | 56 | 45 | 38 | 35 | 33 | 67 | 59 | 49 | 42 | 41 | 41 | 68 | 61 | 52 | 44 | 44 | 45 |
| | | 708 | 1500 | 708 | 1500 | 69 | 62 | 52 | 48 | 45 | 41 | 65 | 57 | 46 | 39 | 36 | 34 | 68 | 60 | 50 | 43 | 42 | 42 | 69 | 62 | 52 | 45 | 45 | 46 |
| 30 | 12 | 236 | 500 | 236 | 500 | 54 | 45 | 37 | 29 | 24 | 22 | 56 | 49 | 41 | 34 | 31 | 28 | 58 | 51 | 42 | 36 | 34 | 32 | 58 | 52 | 43 | 37 | 36 | 35 |
| | | 378 | 800 | 378 | 800 | 60 | 52 | 43 | 37 | 33 | 30 | 61 | 54 | 45 | 38 | 34 | 32 | 62 | 56 | 47 | 40 | 38 | 36 | 63 | 57 | 48 | 41 | 40 | 39 |
| | | 472 | 1000 | 472 | 1000 | 63 | 56 | 47 | 41 | 37 | 34 | 63 | 56 | 47 | 40 | 36 | 33 | 65 | 58 | 49 | 42 | 40 | 38 | 66 | 59 | 50 | 43 | 42 | 40 |
| | | 614 | 1300 | 614 | 1300 | 67 | 60 | 50 | 45 | 42 | 38 | 66 | 59 | 49 | 42 | 38 | 35 | 67 | 61 | 51 | 44 | 42 | 40 | 68 | 62 | 52 | 45 | 44 | 42 |
| | | 708 | 1500 | 708 | 1500 | **69** | **62** | **52** | **48** | **45** | **41** | 67 | 60 | 51 | 44 | 39 | 37 | 69 | 62 | 53 | 46 | 43 | 41 | **70** | **64** | **53** | **47** | **45** | **44** |
| 40 | 12 | 330 | 700 | 330 | 700 | 57 | 49 | 41 | 34 | 30 | 22 | 57 | 49 | 41 | 34 | 30 | 22 | 61 | 54 | 48 | 42 | 43 | 40 | 62 | 55 | 51 | 45 | 46 | 44 |
| | | 566 | 1200 | 566 | 1200 | 65 | 58 | 50 | 43 | 40 | 34 | 65 | 58 | 50 | 43 | 40 | 34 | 67 | 60 | 53 | 45 | 47 | 44 | 68 | 61 | 55 | 48 | 50 | 49 |
| | | 708 | 1500 | 708 | 1500 | 69 | 62 | 53 | 47 | 44 | 40 | 69 | 62 | 53 | 47 | 44 | 40 | 69 | 62 | 55 | 47 | 48 | 46 | 70 | 64 | 57 | 49 | 52 | 51 |
| | | 850 | 1800 | 850 | 1800 | 72 | 65 | 56 | 50 | 47 | 44 | 72 | 65 | 56 | 50 | 47 | 44 | 71 | 64 | 56 | 48 | 49 | 47 | 72 | 66 | 58 | 50 | 53 | 52 |
| | | 944 | 2000 | 944 | 2000 | 73 | 67 | 57 | 52 | 49 | 46 | 73 | 67 | 57 | 52 | 49 | 46 | 72 | 65 | 57 | 48 | 50 | 48 | 73 | 67 | 59 | 51 | 53 | 53 |
| 40 | 14 | 330 | 700 | 330 | 700 | 57 | 49 | 41 | 34 | 30 | 22 | 58 | 50 | 46 | 36 | 31 | 28 | 60 | 53 | 48 | 38 | 34 | 31 | 61 | 54 | 49 | 39 | 35 | 33 |
| | | 566 | 1200 | 566 | 1200 | 65 | 58 | 50 | 43 | 40 | 34 | 65 | 58 | 51 | 43 | 39 | 35 | 67 | 60 | 53 | 45 | 42 | 39 | 69 | 62 | 54 | 46 | 43 | 41 |
| | | 708 | 1500 | 708 | 1500 | 69 | 62 | 53 | 47 | 44 | 40 | 68 | 61 | 53 | 45 | 42 | 38 | 70 | 64 | 55 | 47 | 45 | 42 | 72 | 65 | 56 | 48 | 46 | 44 |
| | | 850 | 1800 | 850 | 1800 | **72** | **65** | **56** | **50** | **47** | **44** | 70 | 64 | 54 | 48 | 45 | 41 | 73 | 66 | 56 | 50 | 47 | 44 | **74** | **68** | **57** | **51** | **49** | **46** |
| | | 944 | 2000 | 944 | 2000 | 73 | 67 | 57 | 52 | 49 | 46 | 72 | 65 | 55 | 49 | 46 | 42 | 74 | 68 | 57 | 51 | 49 | 45 | 75 | 69 | 58 | 52 | 50 | 47 |
| 50 | 14 | 472 | 1000 | 472 | 1000 | 58 | 47 | 41 | 33 | 29 | 25 | 62 | 53 | 48 | 40 | 36 | 40 | 63 | 55 | 49 | 41 | 39 | 37 | 63 | 56 | 50 | 42 | 41 | 40 |
| | | 661 | 1400 | 661 | 1400 | 64 | 54 | 47 | 40 | 36 | 32 | 65 | 56 | 51 | 43 | 39 | 43 | 66 | 58 | 52 | 44 | 42 | 40 | 67 | 59 | 52 | 46 | 43 | 43 |
| | | 802 | 1700 | 802 | 1700 | 68 | 58 | 50 | 44 | 40 | 36 | 68 | 58 | 52 | 44 | 40 | 45 | 69 | 60 | 53 | 46 | 43 | 42 | 69 | 61 | 54 | 47 | 45 | 45 |
| | | 991 | 2100 | 991 | 2100 | **72** | **63** | **54** | **48** | **44** | **40** | 70 | 60 | 54 | 46 | 42 | 47 | 71 | 62 | 55 | 48 | 45 | 44 | **72** | **64** | **55** | **49** | **47** | **46** |
| | | 1085 | 2300 | 1085 | 2300 | 73 | 64 | 56 | 50 | 46 | 42 | 71 | 61 | 54 | 47 | 43 | 47 | 72 | 63 | 55 | 49 | 46 | 45 | 73 | 65 | 56 | 50 | 48 | 47 |
| 60 | 16 | 519 | 1100 | 519 | 1100 | 58 | 51 | 43 | 31 | 25 | 22 | 60 | 53 | 44 | 36 | 33 | 30 | 62 | 56 | 47 | 39 | 37 | 35 | 64 | 57 | 49 | 41 | 39 | 37 |
| | | 802 | 1700 | 802 | 1700 | 64 | 58 | 49 | 38 | 33 | 31 | 67 | 60 | 50 | 42 | 38 | 35 | 70 | 63 | 53 | 45 | 42 | 40 | 71 | 64 | 54 | 47 | 45 | 43 |
| | | 1085 | 2300 | 1085 | 2300 | 69 | 63 | 53 | 44 | 39 | 37 | 72 | 65 | 54 | 46 | 42 | 39 | 75 | 68 | 57 | 49 | 46 | 44 | 76 | 70 | 59 | 51 | 49 | 47 |
| | | 1321 | 2800 | 1321 | 2800 | **72** | **66** | **55** | **47** | **43** | **41** | 75 | 69 | 57 | 49 | 44 | 42 | 78 | 71 | 60 | 52 | 49 | 47 | **80** | **73** | **61** | **53** | **51** | **49** |
| | | 1652 | 3500 | 1652 | 3500 | 75 | 70 | 58 | 51 | 47 | 46 | 79 | 72 | 60 | 52 | 47 | 45 | 82 | 75 | 63 | 55 | 51 | 49 | 83 | 76 | 64 | 56 | 54 | 52 |

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2008.
2. Data does not include corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
3. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 63 Pa (0.25 in. w.g.) in all cases.
5. AHRI certified data is highlighted in **maroon**. All other data are application ratings.

# Performance Data

## FDC with Attenuator - Discharge Sound Power Levels

| Unit Size | Inlet Size Inch | Primary Airflow | | Fan Airflow | | Sound Power Levels, Lw, dB re $10^{-12}$ Watts | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fan Only Octave Band | | | | | | Primary Air | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 187 Pa (0.75 in w.g.) Octave Band | | | | | | 251 Pa. (1.0 in w.g.) Octave Band | | | | | | 376 Pa. (1.5 in w.g.) Octave Band | | | | | |
| | | L/s | cfm | L/s | cfm | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | 118 | 250 | 118 | 250 | 57 | 54 | 53 | 51 | 48 | 41 | 58 | 55 | 55 | 49 | 45 | 38 | 59 | 55 | 56 | 49 | 45 | 39 | 60 | 56 | 56 | 50 | 46 | 39 |
| | | 189 | 400 | 189 | 400 | 63 | 60 | 58 | 57 | 54 | 48 | 65 | 61 | 60 | 56 | 52 | 48 | 65 | 62 | 60 | 56 | 53 | 48 | 66 | 63 | 61 | 57 | 53 | 48 |
| **10** | 8 | 260 | 550 | 260 | 550 | 70 | 67 | 64 | 65 | 60 | 56 | 69 | 66 | 63 | 61 | 57 | 54 | 70 | 66 | 63 | 61 | 57 | 54 | 71 | 67 | 64 | 61 | 58 | 55 |
| | | 330 | 700 | 330 | 700 | **74** | **72** | **68** | **70** | **65** | **62** | 73 | 69 | 65 | 64 | 61 | 59 | 73 | 70 | 66 | 64 | 61 | 59 | 74 | 71 | 66 | 65 | 61 | 59 |
| | | 425 | 900 | 425 | 900 | 80 | 77 | 73 | 76 | 70 | 68 | 76 | 73 | 68 | 68 | 65 | 64 | 77 | 73 | 68 | 68 | 65 | 64 | 78 | 74 | 69 | 68 | 65 | 65 |
| | | 189 | 400 | 189 | 400 | 63 | 59 | 55 | 52 | 47 | 42 | 62 | 56 | 54 | 49 | 45 | 39 | 62 | 57 | 54 | 49 | 45 | 39 | 64 | 58 | 54 | 49 | 46 | 39 |
| | | 283 | 600 | 283 | 600 | 65 | 62 | 58 | 55 | 51 | 46 | 66 | 61 | 58 | 54 | 50 | 46 | 67 | 61 | 58 | 54 | 51 | 46 | 68 | 62 | 58 | 54 | 51 | 46 |
| **20** | 8 | 378 | 800 | 378 | 800 | 68 | 65 | 61 | 59 | 55 | 52 | 70 | 64 | 61 | 57 | 54 | 51 | 71 | 65 | 61 | 58 | 54 | 51 | 72 | 66 | 61 | 58 | 54 | 51 |
| | | 425 | 900 | 425 | 900 | 69 | 66 | 63 | 60 | 57 | 54 | 71 | 65 | 62 | 59 | 56 | 53 | 72 | 66 | 62 | 59 | 56 | 53 | 73 | 67 | 62 | 59 | 56 | 53 |
| | | 519 | 1100 | 519 | 1100 | 71 | 68 | 65 | 63 | 60 | 58 | 73 | 67 | 64 | 61 | 58 | 56 | 74 | 68 | 64 | 61 | 58 | 56 | 75 | 69 | 64 | 61 | 58 | 56 |
| | | 189 | 400 | 189 | 400 | 63 | 59 | 55 | 52 | 47 | 42 | 61 | 58 | 55 | 51 | 46 | 41 | 62 | 59 | 55 | 51 | 47 | 41 | 63 | 59 | 55 | 51 | 47 | 41 |
| | | 283 | 600 | 283 | 600 | 65 | 62 | 58 | 55 | 51 | 46 | 66 | 62 | 58 | 55 | 51 | 47 | 66 | 62 | 58 | 55 | 51 | 47 | 67 | 63 | 58 | 55 | 51 | 47 |
| **20** | 10 | 378 | 800 | 378 | 800 | 68 | 65 | 61 | 59 | 55 | 52 | 68 | 64 | 60 | 58 | 54 | 51 | 69 | 65 | 60 | 58 | 54 | 51 | 70 | 66 | 60 | 58 | 54 | 51 |
| | | 425 | 900 | 425 | 900 | 69 | 66 | 63 | 60 | 57 | 54 | 70 | 65 | 61 | 59 | 55 | 52 | 70 | 66 | 61 | 59 | 55 | 53 | 71 | 67 | 61 | 59 | 55 | 53 |
| | | 519 | 1100 | 519 | 1100 | **71** | **68** | **65** | **63** | **60** | **58** | 72 | 67 | 63 | 61 | 57 | 55 | 72 | 68 | 63 | 61 | 58 | 55 | 73 | 68 | 63 | 61 | 58 | 56 |
| | | 236 | 500 | 236 | 500 | 62 | 58 | 55 | 51 | 47 | 42 | 64 | 60 | 57 | 53 | 49 | 44 | 64 | 61 | 57 | 53 | 49 | 44 | 65 | 61 | 57 | 53 | 49 | 44 |
| | | 378 | 800 | 378 | 800 | 69 | 66 | 62 | 60 | 56 | 52 | 68 | 64 | 60 | 58 | 54 | 51 | 69 | 65 | 60 | 58 | 54 | 51 | 70 | 66 | 60 | 58 | 54 | 51 |
| **30** | 10 | 472 | 1000 | 472 | 1000 | 72 | 69 | 65 | 64 | 60 | 57 | 71 | 66 | 62 | 60 | 56 | 54 | 71 | 67 | 62 | 60 | 57 | 54 | 72 | 68 | 62 | 60 | 57 | 54 |
| | | 614 | 1300 | 614 | 1300 | 76 | 73 | 69 | 69 | 65 | 64 | 73 | 69 | 64 | 63 | 59 | 58 | 74 | 69 | 64 | 63 | 59 | 58 | 75 | 70 | 64 | 63 | 59 | 58 |
| | | 708 | 1500 | 708 | 1500 | 78 | 75 | 71 | 72 | 67 | 67 | 75 | 70 | 65 | 64 | 61 | 60 | 75 | 70 | 65 | 64 | 61 | 60 | 76 | 71 | 65 | 64 | 61 | 60 |
| | | 236 | 500 | 236 | 500 | 62 | 58 | 55 | 51 | 47 | 42 | 62 | 57 | 54 | 50 | 45 | 40 | 62 | 57 | 54 | 50 | 45 | 40 | 63 | 58 | 54 | 50 | 45 | 41 |
| | | 378 | 800 | 378 | 800 | 69 | 66 | 62 | 60 | 56 | 52 | 68 | 63 | 60 | 57 | 53 | 51 | 69 | 64 | 61 | 58 | 53 | 51 | 70 | 65 | 61 | 58 | 54 | 51 |
| **30** | 12 | 472 | 1000 | 472 | 1000 | 72 | 69 | 65 | 64 | 60 | 57 | 71 | 67 | 64 | 61 | 57 | 56 | 72 | 67 | 64 | 61 | 57 | 56 | 73 | 68 | 64 | 61 | 58 | 56 |
| | | 614 | 1300 | 614 | 1300 | 76 | 73 | 69 | 69 | 65 | 64 | 74 | 70 | 68 | 65 | 62 | 61 | 75 | 71 | 68 | 66 | 62 | 62 | 76 | 71 | 68 | 66 | 62 | 62 |
| | | 708 | 1500 | 708 | 1500 | **78** | **75** | **71** | **72** | **67** | **67** | 76 | 72 | 70 | 68 | 65 | 65 | 77 | 73 | 70 | 68 | 65 | 65 | 78 | 73 | 70 | 68 | 65 | 65 |
| | | 330 | 700 | 330 | 700 | 65 | 61 | 59 | 56 | 52 | 49 | 66 | 62 | 59 | 55 | 51 | 48 | 67 | 62 | 59 | 55 | 51 | 48 | 68 | 63 | 59 | 55 | 51 | 48 |
| | | 566 | 1200 | 566 | 1200 | 74 | 71 | 68 | 67 | 63 | 62 | 73 | 69 | 66 | 64 | 61 | 60 | 74 | 70 | 66 | 64 | 61 | 60 | 75 | 70 | 66 | 64 | 61 | 60 |
| **40** | 12 | 708 | 1500 | 708 | 1500 | 78 | 75 | 72 | 72 | 68 | 67 | 76 | 72 | 70 | 68 | 65 | 65 | 77 | 73 | 70 | 68 | 65 | 65 | 78 | 73 | 70 | 68 | 65 | 65 |
| | | 850 | 1800 | 850 | 1800 | 81 | 79 | 75 | 75 | 72 | 72 | 79 | 75 | 72 | 71 | 68 | 69 | 80 | 75 | 72 | 71 | 68 | 69 | 81 | 76 | 72 | 71 | 68 | 69 |
| | | 944 | 2000 | 944 | 2000 | 83 | 81 | 76 | 78 | 74 | 74 | 80 | 76 | 74 | 73 | 70 | 71 | 81 | 77 | 74 | 73 | 70 | 71 | 82 | 77 | 74 | 73 | 70 | 71 |
| | | 330 | 700 | 330 | 700 | 65 | 61 | 59 | 56 | 52 | 49 | 64 | 60 | 61 | 56 | 52 | 48 | 64 | 60 | 61 | 56 | 52 | 48 | 65 | 61 | 61 | 57 | 52 | 49 |
| | | 566 | 1200 | 566 | 1200 | 74 | 71 | 68 | 67 | 63 | 62 | 71 | 68 | 67 | 65 | 61 | 59 | 72 | 69 | 67 | 65 | 61 | 59 | 72 | 69 | 67 | 65 | 62 | 59 |
| **40** | 14 | 708 | 1500 | 708 | 1500 | 78 | 75 | 72 | 72 | 68 | 67 | 74 | 72 | 70 | 68 | 65 | 63 | 75 | 72 | 70 | 68 | 65 | 64 | 75 | 72 | 70 | 68 | 65 | 64 |
| | | 850 | 1800 | 850 | 1800 | **81** | **79** | **75** | **75** | **72** | **72** | 77 | 75 | 72 | 71 | 68 | 67 | 77 | 75 | 72 | 71 | 68 | 67 | 78 | 75 | 72 | 71 | 68 | 67 |
| | | 944 | 2000 | 944 | 2000 | 83 | 81 | 76 | 78 | 74 | 74 | 78 | 76 | 73 | 72 | 70 | 69 | 79 | 77 | 73 | 73 | 70 | 69 | 79 | 77 | 73 | 73 | 70 | 70 |
| | | 472 | 1000 | 472 | 1000 | 65 | 58 | 59 | 56 | 52 | 48 | 68 | 62 | 61 | 59 | 55 | 52 | 69 | 62 | 61 | 59 | 55 | 52 | 69 | 63 | 61 | 59 | 56 | 52 |
| | | 661 | 1400 | 661 | 1400 | 72 | 66 | 64 | 63 | 60 | 57 | 72 | 66 | 64 | 64 | 60 | 58 | 73 | 66 | 65 | 64 | 60 | 58 | 73 | 67 | 65 | 64 | 61 | 59 |
| **50** | 14 | 802 | 1700 | 802 | 1700 | 76 | 70 | 68 | 67 | 64 | 62 | 75 | 68 | 66 | 66 | 63 | 62 | 75 | 69 | 67 | 66 | 63 | 62 | 76 | 70 | 67 | 67 | 63 | 62 |
| | | 991 | 2100 | 991 | 2100 | **80** | **74** | **71** | **71** | **69** | **67** | 77 | 71 | 69 | 69 | 66 | 66 | 78 | 72 | 69 | 69 | 66 | 66 | 78 | 72 | 69 | 69 | 67 | 66 |
| | | 1085 | 2300 | 1085 | 2300 | 82 | 76 | 73 | 73 | 71 | 69 | 78 | 72 | 70 | 70 | 67 | 68 | 79 | 73 | 70 | 70 | 68 | 68 | 79 | 74 | 70 | 71 | 68 | 68 |
| | | 519 | 1100 | 519 | 1100 | 59 | 55 | 56 | 52 | 49 | 45 | 61 | 55 | 56 | 55 | 52 | 48 | 62 | 56 | 57 | 55 | 52 | 49 | 64 | 57 | 57 | 56 | 53 | 50 |
| | | 802 | 1700 | 802 | 1700 | 66 | 63 | 63 | 60 | 58 | 55 | 70 | 63 | 64 | 63 | 61 | 58 | 70 | 64 | 64 | 64 | 61 | 59 | 72 | 65 | 65 | 64 | 62 | 59 |
| **60** | 16 | 1085 | 2300 | 1085 | 2300 | 70 | 68 | 68 | 66 | 64 | 62 | 75 | 69 | 69 | 69 | 67 | 65 | 76 | 70 | 69 | 69 | 67 | 65 | 77 | 71 | 70 | 70 | 68 | 66 |
| | | 1321 | 2800 | 1321 | 2800 | **73** | **72** | **72** | **70** | **68** | **67** | 79 | 73 | 72 | 73 | 71 | 69 | 80 | 74 | 73 | 73 | 72 | 70 | 81 | 75 | 73 | 74 | 72 | 71 |
| | | 1652 | 3500 | 1652 | 3500 | 77 | 75 | 75 | 74 | 72 | 72 | 83 | 77 | 76 | 77 | 76 | 74 | 84 | 78 | 76 | 77 | 76 | 75 | 85 | 79 | 77 | 78 | 77 | 76 |

**Performance Notes:**

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2008.
2. Data does not include corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
3. Sound power levels include duct end corrections per AHRI Standard 880-2011. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 63 Pa (0.25 in. w.g.) in all cases.
5. AHRI certified data is highlighted in **maroon**. All other data are application ratings.