

Discharge and Radiated (NC) Noise Criteria

| Inlet Unit Size (Inches) | CFM | Minimum Pressure Drop (Damper Full Open) | | Min. ΔP_s (Damper Full Open) | | 1.0" ΔP_s | | 1.5" ΔP_s | | 3.0" ΔP_s | |
|--------------------------|------|--|------------------------------|--------------------------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|
| | | Min. ΔP_s Basic Unit | Min. ΔP_t Basic Unit | Dis. NC Unit | Rad. NC Unit | Dis. NC Unit | Rad. NC Unit | Dis. NC Unit | Rad. NC Unit | Dis. NC Unit | Rad. NC Unit |
| | | | | | | | | | | | |
| 6 | 75 | .048 | .057 | — | — | — | 10 | 12 | 13 | 13 | 18 |
| | 100 | .106 | .122 | — | — | 11 | 14 | 13 | 15 | 23 | 20 |
| | 150 | .231 | .267 | — | — | 14 | 15 | 18 | 18 | 23 | 22 |
| | 200 | .416 | .480 | — | — | 15 | 12 | 19 | 20 | 24 | 23 |
| | 250 | .601 | .701 | 11 | — | 11 | 10 | 23 | 19 | 27 | 25 |
| 7 | 75 | .030 | .035 | — | — | — | 13 | 14 | 18 | 21 | 22 |
| | 100 | .056 | .064 | — | — | — | 14 | 14 | 18 | 21 | 26 |
| | 200 | .223 | .257 | — | — | 12 | 15 | 15 | 20 | 24 | 26 |
| | 300 | .410 | .537 | — | — | 14 | 15 | 19 | 19 | 24 | 26 |
| | 350 | .634 | .738 | — | 11 | 14 | 13 | 19 | 20 | 24 | 26 |
| 8 | 100 | .035 | .041 | — | — | 10 | 16 | 17 | 21 | 23 | 28 |
| | 200 | .129 | .147 | — | — | 14 | 20 | 17 | 22 | 25 | 28 |
| | 300 | .266 | .307 | — | — | 16 | 20 | 19 | 24 | 25 | 28 |
| | 400 | .459 | .532 | — | — | 16 | 19 | 21 | 24 | 26 | 30 |
| | 500 | .705 | .818 | — | 14 | 10 | 16 | 22 | 24 | 28 | 31 |
| 10 | 150 | .025 | .029 | — | — | 15 | 13 | 21 | 16 | 21 | 21 |
| | 250 | .064 | .075 | — | — | 17 | 14 | 21 | 18 | 27 | 23 |
| | 400 | .159 | .187 | — | — | 17 | 15 | 23 | 21 | 29 | 25 |
| | 600 | .347 | .411 | — | 10 | 17 | 16 | 22 | 21 | 31 | 31 |
| | 750 | .543 | .643 | 10 | 15 | 16 | 18 | 22 | 23 | 31 | 31 |
| 12 | 215 | .039 | .043 | — | — | 16 | 12 | 18 | 17 | 26 | 22 |
| | 400 | .105 | .122 | — | — | 17 | 15 | 19 | 20 | 27 | 25 |
| | 600 | .193 | .231 | — | — | 19 | 19 | 22 | 25 | 28 | 31 |
| | 900 | .422 | .507 | — | — | 19 | 20 | 24 | 26 | 29 | 36 |
| | 1150 | .675 | .814 | 12 | 15 | 22 | 20 | 24 | 25 | 30 | 36 |
| 14 | 300 | .026 | .030 | — | — | 14 | 13 | 19 | 19 | 27 | 26 |
| | 500 | .068 | .079 | — | — | 15 | 16 | 18 | 20 | 27 | 26 |
| | 800 | .172 | .201 | — | — | 17 | 16 | 21 | 22 | 28 | 28 |
| | 1200 | .388 | .454 | — | 10 | 11 | 16 | 18 | 23 | 31 | 31 |
| | 1550 | .634 | .744 | 12 | 17 | 12 | 19 | 17 | 23 | 30 | 36 |
| 16 | 390 | .032 | .036 | — | — | 10 | 13 | 14 | 16 | 22 | 23 |
| | 800 | .081 | .197 | — | — | 14 | 15 | 17 | 19 | 23 | 24 |
| | 1200 | .252 | .289 | — | — | 14 | 16 | 19 | 20 | 27 | 27 |
| | 1800 | .548 | .631 | 14 | 14 | 14 | 17 | 19 | 22 | 28 | 31 |
| | 2100 | .726 | .839 | 18 | 19 | 16 | 18 | 21 | 24 | 30 | 32 |
| 18 | 550 | .029 | .033 | — | — | 17 | 23 | 21 | 26 | 28 | 34 |
| | 1100 | .112 | .126 | — | — | 16 | 23 | 19 | 26 | 31 | 34 |
| | 1650 | .267 | .300 | — | — | 15 | 22 | 22 | 27 | 30 | 35 |
| | 2200 | .503 | .561 | 10 | 14 | 15 | 22 | 22 | 27 | 33 | 35 |
| | 2750 | .784 | .875 | 17 | 19 | 18 | 24 | 22 | 27 | 33 | 36 |
| 24 | 750 | .023 | .026 | — | — | 16 | 22 | 19 | 25 | 27 | 33 |
| | 1500 | .092 | .103 | — | — | 17 | 23 | 22 | 27 | 30 | 36 |
| | 2200 | .213 | .237 | — | — | 17 | 24 | 24 | 28 | 33 | 36 |
| | 2950 | .378 | .420 | — | 14 | 18 | 24 | 23 | 30 | 34 | 37 |
| | 3650 | .594 | .659 | 15 | 20 | 19 | 24 | 24 | 30 | 34 | 39 |

- NOTES:**
1. ΔP_s static pressure difference from inlet to discharge.
 2. ΔP_s is the minimum pressure required to deliver CFM shown with the primary damper in wide open position.
 3. ΔP_t is the total pressure difference from inlet to discharge.
 4. Dash (—) indicates NC level less than 10.

NC levels are derived from tests conducted in accordance with AHRI Standard 880-2008 and are calculated in accordance with AHRI Standard 885-2008 as application data based on the following:

Discharge NC levels are based on —

- a) 5 foot rectangular duct lined with 1" fiberglass insulation.
- b) 5 foot lined flex duct (8" diameter).
- c) Flow division.
- d) Space effect factor (2400 ft³) at 5 feet from outlet.
- e) End reflection.
- f) Environmental adjustment factor.

Radiated NC levels are based on—

- a) Plenum / ceiling effect - 5/8" mineral fiber tile, 35 lb / ft³ - 3 foot plenum.
- b) Environmental adjustment factor.

Discharge Sound Power

| Inlet Unit Size (Inches) | CFM | Minimum Δ Ps | | | | | | | 1.0" Δ Ps | | | | | | | 1.5" Δ Ps | | | | | | | 3.0" Δ Ps | | | | | | |
|--------------------------|------|--------------|---------------------------------|---------|---------|----------|----------|----------|---------------------------------|---------|---------|----------|----------|----------|---------------------------------|-----------|---------|----------|----------|----------|---------------------------------|---------|-----------|----------|----------|----------|--|--|--|
| | | Δ Ps | Sound Power (db) by Octave Band | | | | | | Sound Power (db) by Octave Band | | | | | | Sound Power (db) by Octave Band | | | | | | Sound Power (db) by Octave Band | | | | | | | | |
| | | | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | | | |
| 6 | 75 | .048 | 40 | 32 | 27 | 25 | 23 | 21 | 54 | 51 | 53 | 51 | 48 | 44 | 56 | 52 | 55 | 54 | 53 | 49 | 59 | 55 | 58 | 59 | 61 | 48 | | | |
| | 100 | .106 | 42 | 34 | 32 | 27 | 23 | 21 | 56 | 54 | 54 | 51 | 49 | 45 | 57 | 55 | 56 | 55 | 54 | 50 | 61 | 58 | 59 | 61 | 63 | 60 | | | |
| | 150 | .231 | 49 | 43 | 40 | 30 | 26 | 23 | 59 | 56 | 56 | 49 | 47 | 44 | 61 | 60 | 60 | 55 | 54 | 50 | 65 | 63 | 62 | 61 | 63 | 60 | | | |
| | 200 | .416 | 55 | 48 | 47 | 39 | 34 | 27 | 61 | 56 | 53 | 45 | 45 | 42 | 63 | 61 | 60 | 53 | 52 | 49 | 67 | 65 | 65 | 61 | 64 | 60 | | | |
| | 250 | .601 | 58 | 49 | 48 | 43 | 39 | 35 | 58 | 49 | 48 | 46 | 48 | 47 | 67 | 59 | 55 | 48 | 49 | 47 | 67 | 67 | 66 | 61 | 62 | 59 | | | |
| 7 | 75 | .030 | 36 | 29 | 24 | 22 | 20 | 20 | 51 | 50 | 49 | 48 | 47 | 45 | 52 | 53 | 52 | 53 | 53 | 51 | 51 | 51 | 55 | 58 | 59 | 58 | | | |
| | 100 | .056 | 36 | 29 | 26 | 22 | 20 | 20 | 51 | 51 | 50 | 49 | 48 | 46 | 52 | 53 | 53 | 53 | 53 | 51 | 54 | 56 | 57 | 58 | 59 | 58 | | | |
| | 200 | .223 | 48 | 43 | 40 | 33 | 25 | 22 | 57 | 55 | 52 | 49 | 49 | 46 | 58 | 57 | 55 | 54 | 54 | 52 | 59 | 59 | 59 | 60 | 62 | 61 | | | |
| | 300 | .410 | 54 | 49 | 47 | 40 | 36 | 28 | 59 | 56 | 52 | 47 | 47 | 43 | 61 | 61 | 57 | 54 | 53 | 51 | 65 | 63 | 62 | 61 | 62 | 61 | | | |
| | 350 | .634 | 54 | 49 | 47 | 40 | 36 | 28 | 59 | 56 | 52 | 47 | 47 | 43 | 61 | 61 | 57 | 54 | 53 | 51 | 65 | 63 | 62 | 61 | 62 | 61 | | | |
| 8 | 100 | .035 | 39 | 31 | 26 | 24 | 22 | 21 | 54 | 53 | 53 | 50 | 50 | 47 | 55 | 55 | 55 | 54 | 54 | 54 | 64 | 62 | 60 | 59 | 58 | 60 | | | |
| | 200 | .129 | 42 | 35 | 34 | 27 | 22 | 21 | 57 | 56 | 56 | 51 | 50 | 47 | 60 | 59 | 59 | 55 | 54 | 53 | 64 | 64 | 64 | 61 | 61 | 62 | | | |
| | 300 | .266 | 49 | 43 | 41 | 33 | 26 | 23 | 61 | 58 | 56 | 50 | 49 | 47 | 63 | 61 | 61 | 56 | 55 | 53 | 67 | 66 | 66 | 62 | 62 | 62 | | | |
| | 400 | .459 | 54 | 48 | 47 | 40 | 35 | 29 | 62 | 59 | 57 | 49 | 49 | 46 | 64 | 63 | 61 | 55 | 55 | 53 | 69 | 67 | 67 | 63 | 62 | 62 | | | |
| | 500 | .705 | 59 | 53 | 50 | 45 | 41 | 37 | 59 | 53 | 50 | 45 | 44 | 41 | 66 | 64 | 60 | 53 | 54 | 50 | 70 | 69 | 67 | 63 | 62 | 62 | | | |
| 10 | 150 | .025 | 37 | 30 | 24 | 22 | 20 | 20 | 54 | 57 | 51 | 48 | 47 | 43 | 58 | 62 | 56 | 52 | 51 | 48 | 58 | 62 | 58 | 58 | 57 | 53 | | | |
| | 250 | .064 | 37 | 33 | 30 | 24 | 20 | 20 | 57 | 59 | 54 | 49 | 48 | 44 | 61 | 62 | 57 | 53 | 52 | 49 | 62 | 67 | 63 | 60 | 59 | 57 | | | |
| | 400 | .159 | 42 | 42 | 39 | 33 | 23 | 20 | 62 | 60 | 56 | 51 | 48 | 44 | 66 | 65 | 60 | 55 | 53 | 49 | 69 | 70 | 66 | 61 | 60 | 57 | | | |
| | 600 | .347 | 53 | 50 | 48 | 42 | 34 | 28 | 64 | 60 | 55 | 51 | 49 | 45 | 68 | 64 | 60 | 56 | 53 | 50 | 74 | 72 | 69 | 64 | 62 | 59 | | | |
| | 750 | .543 | 59 | 55 | 52 | 48 | 39 | 35 | 63 | 60 | 55 | 51 | 48 | 44 | 69 | 65 | 60 | 56 | 54 | 50 | 75 | 73 | 68 | 74 | 62 | 58 | | | |
| 12 | 215 | .039 | 44 | 36 | 41 | 38 | 34 | 32 | 55 | 58 | 55 | 55 | 50 | 48 | 56 | 60 | 58 | 59 | 55 | 53 | 59 | 65 | 65 | 65 | 64 | 63 | | | |
| | 400 | .105 | 43 | 40 | 41 | 38 | 34 | 32 | 57 | 60 | 56 | 55 | 51 | 48 | 58 | 62 | 60 | 60 | 56 | 54 | 63 | 66 | 66 | 65 | 65 | 63 | | | |
| | 600 | .193 | 48 | 42 | 41 | 38 | 34 | 32 | 60 | 62 | 57 | 57 | 51 | 49 | 61 | 64 | 61 | 60 | 56 | 54 | 65 | 67 | 68 | 66 | 65 | 64 | | | |
| | 900 | .422 | 53 | 50 | 47 | 42 | 37 | 34 | 64 | 63 | 59 | 62 | 52 | 49 | 66 | 67 | 63 | 63 | 57 | 55 | 69 | 71 | 70 | 68 | 66 | 64 | | | |
| | 1150 | .675 | 61 | 57 | 55 | 48 | 42 | 38 | 65 | 65 | 60 | 60 | 52 | 49 | 68 | 67 | 64 | 64 | 57 | 54 | 72 | 72 | 70 | 69 | 67 | 64 | | | |
| 14 | 300 | .026 | 33 | 24 | 20 | 17 | 17 | 18 | 55 | 56 | 50 | 50 | 50 | 46 | 59 | 61 | 53 | 54 | 54 | 52 | 66 | 67 | 61 | 61 | 61 | 59 | | | |
| | 500 | .068 | 40 | 35 | 30 | 23 | 21 | 20 | 58 | 58 | 52 | 51 | 50 | 47 | 60 | 61 | 55 | 55 | 55 | 52 | 68 | 68 | 62 | 62 | 62 | 60 | | | |
| | 800 | .172 | 44 | 41 | 37 | 31 | 23 | 20 | 61 | 61 | 53 | 51 | 50 | 47 | 62 | 64 | 58 | 55 | 55 | 52 | 70 | 70 | 65 | 63 | 63 | 61 | | | |
| | 1200 | .388 | 53 | 50 | 45 | 41 | 35 | 30 | 61 | 56 | 53 | 51 | 50 | 47 | 65 | 62 | 58 | 55 | 56 | 53 | 72 | 73 | 67 | 64 | 63 | 61 | | | |
| | 1550 | .634 | 60 | 57 | 51 | 47 | 42 | 38 | 63 | 57 | 53 | 51 | 50 | 47 | 66 | 61 | 57 | 55 | 55 | 53 | 76 | 72 | 67 | 64 | 64 | 61 | | | |
| 16 | 390 | .032 | 40 | 32 | 21 | 20 | 21 | 18 | 54 | 52 | 53 | 49 | 48 | 46 | 59 | 56 | 54 | 53 | 52 | 50 | 66 | 64 | 59 | 62 | 58 | 58 | | | |
| | 800 | .081 | 42 | 40 | 36 | 30 | 20 | 18 | 59 | 58 | 55 | 52 | 50 | 49 | 62 | 61 | 58 | 57 | 54 | 53 | 69 | 66 | 63 | 63 | 61 | 59 | | | |
| | 1200 | .252 | 50 | 48 | 45 | 38 | 30 | 23 | 61 | 58 | 56 | 52 | 51 | 49 | 65 | 63 | 59 | 57 | 56 | 54 | 71 | 69 | 65 | 66 | 63 | 61 | | | |
| | 1800 | .548 | 60 | 58 | 53 | 48 | 41 | 37 | 63 | 58 | 54 | 51 | 50 | 47 | 67 | 63 | 59 | 56 | 55 | 53 | 75 | 70 | 67 | 65 | 64 | 62 | | | |
| | 2100 | .726 | 64 | 62 | 57 | 52 | 45 | 42 | 65 | 60 | 56 | 53 | 50 | 47 | 68 | 64 | 59 | 56 | 55 | 53 | 76 | 72 | 67 | 65 | 63 | 61 | | | |
| 18 | 550 | .029 | 40 | 26 | 19 | 16 | 15 | 18 | 57 | 58 | 55 | 56 | 58 | 53 | 61 | 61 | 58 | 59 | 63 | 57 | 66 | 65 | 63 | 64 | 63 | 64 | | | |
| | 1100 | .112 | 40 | 30 | 23 | 20 | 18 | 18 | 61 | 60 | 56 | 56 | 53 | 51 | 64 | 63 | 60 | 60 | 62 | 55 | 68 | 68 | 66 | 66 | 66 | 68 | | | |
| | 1650 | .267 | 50 | 45 | 36 | 32 | 32 | 24 | 63 | 59 | 56 | 55 | 53 | 50 | 69 | 65 | 61 | 60 | 58 | 55 | 72 | 72 | 68 | 66 | 64 | 63 | | | |
| | 2200 | .503 | 56 | 55 | 45 | 40 | 39 | 34 | 64 | 59 | 57 | 56 | 54 | 49 | 68 | 65 | 61 | 60 | 58 | 55 | 75 | 74 | 69 | 67 | 64 | 63 | | | |
| | 2750 | .784 | 62 | 61 | 53 | 47 | 45 | 39 | 66 | 62 | 60 | 56 | 53 | 50 | 70 | 65 | 62 | 60 | 59 | 57 | 76 | 74 | 70 | 68 | 65 | 63 | | | |
| 24 | 750 | .023 | 39 | 25 | 20 | 19 | 17 | 17 | 61 | 60 | 57 | 54 | 48 | 44 | 63 | 63 | 60 | 57 | 52 | 49 | 67 | 69 | 66 | 64 | 60 | 57 | | | |
| | 1500 | .092 | 41 | 35 | 30 | 23 | 20 | 19 | 64 | 61 | 58 | 56 | 50 | 46 | 66 | 65 | 62 | 60 | 54 | 51 | 73 | 72 | 69 | 67 | 61 | 60 | | | |
| | 2200 | .213 | 50 | 45 | 42 | 36 | 29 | 22 | 65 | 61 | 59 | 56 | 51 | 48 | 70 | 67 | 63 | 61 | 56 | 53 | 76 | 74 | 70 | 68 | 63 | 60 | | | |
| | 2950 | .378 | 58 | 53 | 49 | 44 | 38 | 32 | 67 | 62 | 58 | 56 | 52 | 49 | 71 | 66 | 63 | 61 | 57 | 54 | 79 | 75 | 72 | 69 | 64 | 61 | | | |
| | 3650 | .594 | 64 | 59 | 55 | 50 | 44 | 39 | 69 | 63 | 59 | 55 | 50 | 47 | 72 | 67 | 64 | 61 | 57 | 53 | 80 | 75 | 72 | 69 | 65 | 62 | | | |

- NOTES:**
1. Based on tests conducted in accordance with AHRI Standard 880-2008.
 2. Δ Ps static pressure difference from inlet to discharge.
 3. Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.



A Participating Member in the AHRI 880 Certification Program

Radiated Sound Power

| Inlet Unit Size (Inches) | CFM | Minimum Δ Ps | | | | | | | 1.0" Δ Ps | | | | | | | 1.5" Δ Ps | | | | | | | 3.0" Δ Ps | | | | | | |
|--------------------------|------|--------------|---------------------------------|---------|---------|----------|----------|----------|---------------------------------|---------|---------|----------|----------|----------|---------------------------------|-----------|---------|----------|----------|----------|---------------------------------|---------|-----------|----------|----------|----------|--|--|--|
| | | Δ Ps | Sound Power (db) by Octave Band | | | | | | Sound Power (db) by Octave Band | | | | | | Sound Power (db) by Octave Band | | | | | | Sound Power (db) by Octave Band | | | | | | | | |
| | | | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | (2) 125 | (3) 250 | (4) 500 | (5) 1000 | (6) 2000 | (7) 4000 | | | |
| 6 | 75 | .048 | 38 | 26 | 18 | 17 | 19 | 22 | 46 | 38 | 37 | 37 | 35 | 30 | 47 | 41 | 39 | 41 | 39 | 35 | 51 | 46 | 43 | 46 | 45 | 43 | | | |
| | 100 | .106 | 38 | 27 | 20 | 17 | 19 | 22 | 46 | 41 | 41 | 40 | 38 | 34 | 49 | 43 | 40 | 43 | 42 | 39 | 53 | 47 | 44 | 48 | 47 | 45 | | | |
| | 150 | .231 | 41 | 33 | 27 | 20 | 20 | 23 | 48 | 44 | 42 | 39 | 36 | 32 | 51 | 47 | 44 | 44 | 43 | 40 | 56 | 50 | 47 | 50 | 50 | 48 | | | |
| | 200 | .416 | 48 | 37 | 33 | 23 | 22 | 24 | 50 | 45 | 39 | 35 | 33 | 31 | 53 | 49 | 46 | 43 | 41 | 38 | 57 | 52 | 49 | 51 | 51 | 49 | | | |
| | 250 | .601 | 49 | 40 | 36 | 29 | 26 | 24 | 49 | 41 | 37 | 33 | 33 | 32 | 55 | 50 | 45 | 43 | 42 | 37 | 59 | 54 | 51 | 47 | 48 | 48 | | | |
| 7 | 75 | .030 | 40 | 26 | 18 | 17 | 19 | 22 | 41 | 40 | 40 | 41 | 41 | 39 | 41 | 39 | 42 | 46 | 47 | 45 | 41 | 41 | 44 | 50 | 52 | 50 | | | |
| | 100 | .056 | 40 | 26 | 18 | 17 | 19 | 22 | 43 | 41 | 41 | 42 | 41 | 39 | 44 | 43 | 44 | 46 | 47 | 45 | 41 | 43 | 46 | 53 | 56 | 54 | | | |
| | 200 | .223 | 40 | 33 | 26 | 19 | 19 | 22 | 48 | 45 | 42 | 42 | 41 | 38 | 48 | 47 | 46 | 46 | 47 | 44 | 49 | 48 | 49 | 53 | 56 | 54 | | | |
| | 300 | .410 | 47 | 40 | 35 | 26 | 24 | 23 | 49 | 46 | 42 | 40 | 39 | 36 | 51 | 50 | 45 | 46 | 47 | 44 | 52 | 52 | 50 | 53 | 56 | 54 | | | |
| | 350 | .634 | 50 | 44 | 38 | 31 | 27 | 25 | 50 | 44 | 40 | 36 | 35 | 32 | 52 | 50 | 46 | 46 | 46 | 43 | 54 | 55 | 52 | 52 | 55 | 54 | | | |
| 8 | 100 | .035 | 40 | 25 | 18 | 17 | 19 | 22 | 50 | 42 | 43 | 43 | 42 | 40 | 51 | 45 | 47 | 48 | 47 | 44 | 58 | 53 | 54 | 55 | 53 | 52 | | | |
| | 200 | .129 | 41 | 29 | 23 | 23 | 22 | 22 | 50 | 45 | 46 | 43 | 42 | 39 | 51 | 48 | 48 | 48 | 46 | 44 | 58 | 53 | 54 | 55 | 53 | 52 | | | |
| | 300 | .266 | 43 | 34 | 28 | 23 | 21 | 22 | 51 | 48 | 46 | 43 | 42 | 38 | 53 | 50 | 50 | 48 | 46 | 44 | 58 | 53 | 54 | 55 | 53 | 52 | | | |
| | 400 | .459 | 47 | 41 | 35 | 30 | 26 | 23 | 53 | 49 | 45 | 42 | 40 | 36 | 55 | 52 | 50 | 47 | 46 | 43 | 59 | 56 | 55 | 55 | 53 | 52 | | | |
| | 500 | .705 | 52 | 46 | 41 | 35 | 30 | 26 | 52 | 46 | 43 | 38 | 34 | 31 | 56 | 53 | 50 | 46 | 46 | 42 | 60 | 58 | 56 | 55 | 53 | 51 | | | |
| 10 | 150 | .025 | 37 | 24 | 19 | 17 | 19 | 22 | 46 | 43 | 39 | 41 | 40 | 40 | 48 | 47 | 42 | 44 | 44 | 45 | 50 | 48 | 46 | 49 | 51 | 52 | | | |
| | 250 | .064 | 37 | 27 | 20 | 17 | 19 | 22 | 49 | 45 | 41 | 40 | 38 | 39 | 52 | 47 | 44 | 44 | 43 | 45 | 53 | 52 | 49 | 50 | 51 | 52 | | | |
| | 400 | .159 | 41 | 38 | 28 | 23 | 21 | 22 | 54 | 48 | 42 | 41 | 38 | 39 | 56 | 52 | 47 | 45 | 43 | 45 | 59 | 56 | 51 | 51 | 51 | 52 | | | |
| | 600 | .347 | 50 | 44 | 37 | 30 | 24 | 23 | 55 | 48 | 43 | 41 | 39 | 40 | 58 | 53 | 47 | 45 | 43 | 45 | 62 | 61 | 56 | 52 | 51 | 52 | | | |
| | 750 | .543 | 54 | 48 | 42 | 36 | 30 | 25 | 57 | 49 | 44 | 41 | 39 | 37 | 61 | 53 | 47 | 45 | 43 | 44 | 64 | 61 | 56 | 53 | 51 | 52 | | | |
| 12 | 215 | .039 | 37 | 27 | 19 | 17 | 19 | 22 | 45 | 42 | 39 | 40 | 40 | 39 | 46 | 45 | 43 | 45 | 43 | 36 | 49 | 49 | 48 | 50 | 52 | 52 | | | |
| | 400 | .105 | 37 | 29 | 22 | 20 | 19 | 22 | 50 | 48 | 42 | 41 | 40 | 40 | 51 | 51 | 46 | 45 | 45 | 44 | 56 | 53 | 51 | 51 | 53 | 52 | | | |
| | 600 | .193 | 42 | 36 | 28 | 23 | 20 | 22 | 53 | 51 | 45 | 42 | 41 | 40 | 55 | 56 | 51 | 46 | 45 | 44 | 58 | 57 | 56 | 52 | 53 | 52 | | | |
| | 900 | .422 | 50 | 43 | 36 | 33 | 27 | 24 | 53 | 49 | 46 | 44 | 41 | 40 | 58 | 55 | 52 | 49 | 46 | 44 | 63 | 63 | 61 | 56 | 53 | 52 | | | |
| | 1150 | .675 | 55 | 48 | 41 | 38 | 33 | 28 | 55 | 49 | 46 | 45 | 42 | 40 | 59 | 55 | 51 | 49 | 46 | 45 | 66 | 63 | 61 | 58 | 54 | 52 | | | |
| 14 | 300 | .026 | 45 | 37 | 33 | 30 | 31 | 29 | 48 | 43 | 40 | 38 | 38 | 40 | 53 | 47 | 45 | 43 | 43 | 43 | 58 | 55 | 52 | 49 | 50 | 50 | | | |
| | 500 | .068 | 45 | 37 | 33 | 30 | 31 | 29 | 51 | 46 | 43 | 39 | 39 | 40 | 53 | 50 | 46 | 43 | 43 | 43 | 60 | 56 | 52 | 50 | 50 | 50 | | | |
| | 800 | .172 | 45 | 37 | 34 | 30 | 31 | 31 | 54 | 46 | 43 | 39 | 39 | 40 | 57 | 52 | 48 | 44 | 43 | 43 | 62 | 58 | 54 | 50 | 50 | 50 | | | |
| | 1200 | .388 | 49 | 40 | 37 | 33 | 32 | 31 | 55 | 47 | 43 | 41 | 39 | 39 | 61 | 53 | 48 | 44 | 43 | 43 | 65 | 61 | 56 | 52 | 50 | 50 | | | |
| | 1550 | .634 | 56 | 46 | 42 | 36 | 34 | 32 | 57 | 49 | 45 | 42 | 40 | 38 | 61 | 54 | 48 | 45 | 44 | 42 | 71 | 62 | 56 | 52 | 51 | 51 | | | |
| 16 | 390 | .032 | 40 | 25 | 20 | 18 | 19 | 22 | 48 | 41 | 40 | 39 | 37 | 36 | 51 | 43 | 42 | 44 | 41 | 38 | 55 | 50 | 47 | 51 | 49 | 49 | | | |
| | 800 | .081 | 40 | 27 | 23 | 20 | 20 | 25 | 51 | 46 | 42 | 41 | 38 | 36 | 54 | 50 | 45 | 47 | 43 | 38 | 60 | 54 | 50 | 52 | 50 | 49 | | | |
| | 1200 | .252 | 43 | 34 | 30 | 29 | 23 | 22 | 55 | 48 | 43 | 41 | 38 | 37 | 57 | 52 | 46 | 47 | 43 | 41 | 62 | 58 | 53 | 54 | 51 | 49 | | | |
| | 1800 | .548 | 54 | 46 | 40 | 38 | 32 | 28 | 56 | 48 | 42 | 41 | 38 | 36 | 60 | 53 | 47 | 46 | 43 | 41 | 67 | 61 | 54 | 54 | 51 | 50 | | | |
| | 2100 | .726 | 58 | 50 | 44 | 42 | 37 | 33 | 57 | 49 | 43 | 41 | 39 | 36 | 62 | 53 | 47 | 46 | 43 | 41 | 68 | 61 | 54 | 54 | 51 | 50 | | | |
| 18 | 550 | .029 | 42 | 31 | 19 | 17 | 19 | 21 | 50 | 49 | 49 | 47 | 44 | 42 | 56 | 54 | 52 | 50 | 49 | 47 | 59 | 58 | 59 | 58 | 55 | 56 | | | |
| | 1100 | .112 | 43 | 34 | 25 | 22 | 22 | 22 | 55 | 51 | 49 | 46 | 44 | 42 | 56 | 55 | 52 | 50 | 49 | 47 | 62 | 60 | 59 | 58 | 56 | 56 | | | |
| | 1650 | .267 | 44 | 37 | 28 | 21 | 22 | 21 | 57 | 52 | 48 | 46 | 43 | 41 | 61 | 56 | 53 | 50 | 49 | 47 | 65 | 62 | 60 | 58 | 56 | 56 | | | |
| | 2200 | .503 | 52 | 47 | 36 | 30 | 26 | 23 | 58 | 53 | 48 | 46 | 42 | 39 | 61 | 56 | 53 | 50 | 48 | 46 | 70 | 64 | 60 | 58 | 56 | 56 | | | |
| | 2750 | .784 | 58 | 51 | 43 | 36 | 31 | 27 | 60 | 56 | 50 | 45 | 40 | 37 | 63 | 58 | 53 | 50 | 47 | 45 | 71 | 65 | 61 | 58 | 56 | 56 | | | |
| 24 | 750 | .023 | 40 | 31 | 25 | 19 | 21 | 22 | 53 | 51 | 48 | 47 | 47 | 49 | 56 | 53 | 51 | 51 | 52 | 54 | 63 | 60 | 58 | 58 | 59 | 60 | | | |
| | 1500 | .092 | 46 | 33 | 26 | 19 | 21 | 22 | 58 | 52 | 49 | 45 | 45 | 47 | 60 | 56 | 53 | 50 | 51 | 53 | 67 | 62 | 61 | 58 | 59 | 60 | | | |
| | 2200 | .213 | 44 | 37 | 32 | 25 | 21 | 21 | 58 | 53 | 50 | 46 | 45 | 46 | 63 | 57 | 54 | 51 | 50 | 52 | 69 | 65 | 61 | 58 | 59 | 60 | | | |
| | 2950 | .378 | 54 | 45 | 40 | 34 | 26 | 22 | 60 | 54 | 50 | 45 | 46 | 38 | 63 | 58 | 55 | 51 | 50 | 52 | 72 | 66 | 62 | 58 | 58 | 60 | | | |
| | 3650 | .594 | 59 | 51 | 46 | 41 | 33 | 27 | 61 | 55 | 49 | 45 | 43 | 42 | 65 | 59 | 55 | 51 | 50 | 51 | 73 | 66 | 62 | 59 | 58 | 59 | | | |

- NOTES:**
1. Based on tests conducted in accordance with AHRI Standard 880-2008.
 2. Δ Ps static pressure difference from inlet to discharge.
 3. Δ Ps is the minimum pressure required to deliver CFM shown with primary damper in wide open position.



A Participating Member in the AHRI 880 Certification Program