

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Typical Selection Guide

| Unit Size | Airflow | Min. ΔPs Across Unit | Min. ΔPt. | Discharge NC ΔPs Across Unit | | | | Radiated NC ΔPs Across Unit | | | |
|-----------|---------|----------------------|-----------|------------------------------|------------|------------|------------|-----------------------------|------------|------------|------------|
| | cfm | in.w.g | in.w.g | 0.5 in.w.g | 1.0 in.w.g | 1.5 in.w.g | 3.0 in.w.g | 0.5 in.w.g | 1.0 in.w.g | 1.5 in.w.g | 3.0 in.w.g |
| 4 | 75 | 0.06 | 0.11 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 100 | 0.10 | 0.18 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 150 | 0.23 | 0.41 | -- | -- | -- | -- | -- | -- | -- | 21 |
| | 200 | 0.40 | 0.72 | -- | -- | -- | -- | -- | -- | 21 | 25 |
| | 225 | 0.51 | 0.92 | * | -- | -- | -- | -- | * | 21 | 23 |
| 5 | 150 | 0.10 | 0.17 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 200 | 0.19 | 0.32 | -- | -- | -- | 23 | -- | -- | -- | 20 |
| | 250 | 0.29 | 0.49 | -- | 21 | 23 | 27 | -- | -- | -- | 23 |
| | 300 | 0.42 | 0.71 | -- | 20 | 23 | 26 | -- | -- | 21 | 25 |
| | 350 | 0.57 | 0.97 | * | 23 | 25 | 29 | * | 22 | 23 | 27 |
| 6 | 200 | 0.16 | 0.22 | -- | -- | -- | 21 | -- | -- | -- | -- |
| | 250 | 0.28 | 0.37 | -- | -- | 22 | 26 | -- | -- | -- | 22 |
| | 300 | 0.36 | 0.49 | -- | -- | 22 | 26 | -- | -- | -- | 24 |
| | 350 | 0.49 | 0.67 | -- | 22 | 25 | 29 | -- | 21 | 23 | 26 |
| | 400 | 0.64 | 0.88 | * | 25 | 27 | 32 | * | 23 | 25 | 28 |
| 7 | 200 | 0.07 | 0.10 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 300 | 0.16 | 0.23 | -- | -- | -- | 22 | -- | -- | -- | 21 |
| | 400 | 0.28 | 0.41 | -- | 20 | 23 | 28 | -- | -- | 20 | 25 |
| | 500 | 0.43 | 0.63 | -- | 25 | 28 | 33 | -- | 23 | 25 | 29 |
| | 550 | 0.52 | 0.76 | * | 27 | 30 | 35 | * | 25 | 27 | 31 |
| 8 | 350 | 0.12 | 0.17 | -- | -- | -- | 25 | -- | -- | -- | 26 |
| | 450 | 0.20 | 0.29 | -- | -- | 23 | 30 | -- | -- | 22 | 28 |
| | 550 | 0.31 | 0.44 | -- | 23 | 27 | 33 | -- | 21 | 24 | 30 |
| | 700 | 0.50 | 0.71 | 21 | 27 | 31 | 37 | 21 | 25 | 28 | 32 |
| | 750 | 0.57 | 0.81 | * | 26 | 30 | 36 | * | 26 | 29 | 34 |
| 9 | 400 | 0.08 | 0.12 | -- | -- | -- | 22 | -- | -- | -- | 26 |
| | 550 | 0.16 | 0.24 | -- | -- | 23 | 28 | -- | -- | 22 | 29 |
| | 700 | 0.26 | 0.40 | -- | 24 | 27 | 33 | -- | 22 | 25 | 31 |
| | 900 | 0.43 | 0.65 | 20 | 26 | 29 | 35 | -- | 25 | 29 | 34 |
| | 1000 | 0.53 | 0.81 | * | 28 | 31 | 37 | * | 27 | 30 | 36 |
| 10 | 500 | 0.09 | 0.13 | -- | -- | -- | 23 | -- | -- | 22 | 29 |
| | 700 | 0.19 | 0.27 | -- | 20 | 24 | 29 | -- | 21 | 24 | 31 |
| | 900 | 0.31 | 0.45 | -- | 22 | 26 | 32 | -- | 24 | 27 | 32 |
| | 1100 | 0.46 | 0.66 | 21 | 26 | 30 | 35 | 22 | 27 | 29 | 34 |
| | 1300 | 0.64 | 0.92 | * | 29 | 33 | 38 | * | 29 | 32 | 36 |
| 12 | 700 | 0.08 | 0.12 | -- | -- | -- | 24 | -- | -- | -- | 27 |
| | 1000 | 0.16 | 0.24 | -- | -- | 22 | 28 | -- | -- | 23 | 31 |
| | 1300 | 0.28 | 0.41 | -- | 23 | 27 | 33 | -- | 22 | 26 | 34 |
| | 1600 | 0.42 | 0.62 | 21 | 27 | 31 | 37 | -- | 25 | 29 | 37 |
| | 1900 | 0.60 | 0.88 | * | 30 | 34 | 40 | * | 27 | 32 | 39 |
| 14 | 1000 | 0.10 | 0.14 | -- | -- | -- | 22 | -- | -- | 23 | 30 |
| | 1475 | 0.21 | 0.31 | -- | -- | 21 | 27 | -- | 23 | 28 | 35 |
| | 2100 | 0.43 | 0.62 | -- | 23 | 26 | 33 | 20 | 28 | 32 | 40 |
| | 2425 | 0.57 | 0.83 | * | 25 | 29 | 35 | * | 30 | 34 | 41 |
| | 2900 | 0.81 | 1.18 | * | 28 | 32 | 38 | * | 32 | 36 | 44 |
| 16 | 1200 | 0.11 | 0.15 | -- | -- | 20 | 27 | -- | -- | 23 | 31 |
| | 1775 | 0.23 | 0.31 | -- | -- | 22 | 29 | -- | 22 | 27 | 34 |
| | 2350 | 0.40 | 0.54 | -- | 20 | 24 | 31 | -- | 26 | 30 | 37 |
| | 2800 | 0.57 | 0.77 | * | 21 | 25 | 32 | * | 29 | 33 | 40 |
| | 3500 | 0.89 | 1.20 | * | 23 | 27 | 34 | * | 32 | 35 | 42 |

Performance Notes:

- NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
- NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880-2017.
- Blank spaces (-) indicate NCs less than 20.
- Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
- ΔPs is the difference in static pressure from inlet to discharge of the unit.
- ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
- ΔPt is the difference in total pressure from inlet to discharge of the unit.
- NC values are calculated based on typical attenuation values outlined in Appendix E, AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

Typical Attenuation Values:

Radiated Sound

| Total Deduction | Octave Band Mid Frequency, Hz | | | | | |
|-----------------|-------------------------------|-----|-----|------|------|------|
| | 120 | 250 | 500 | 1000 | 2000 | 4000 |
| All Sizes | 18 | 19 | 20 | 26 | 31 | 36 |

Discharge Sound

| Total Deduction | Octave Band Mid Frequency, Hz | | | | | |
|-----------------|-------------------------------|-----|-----|------|------|------|
| | 120 | 250 | 500 | 1000 | 2000 | 4000 |
| < 300 cfm | 24 | 28 | 39 | 53 | 59 | 40 |
| 300-700 cfm | 27 | 29 | 40 | 51 | 53 | 39 |
| > 700 cfm | 29 | 30 | 41 | 51 | 52 | 39 |

PERFORMANCE DATA



DPQ / DDQ – Standard Mixing Quiet Model - Discharge Sound Data

| Unit Size | Airflow cfm | Sound Power Levels Lw dB re 10 ⁻¹² Watts | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------|---|----|----|----|----|----|----------------------------|----|----|----|----|----|----------------------------|----|----|----|----|----|----------------------------|----|----|----|----|----|--|--|--|--|
| | | 0.5 in.w.g. Octave Band | | | | | | 1.0 in.w.g. Octave Band | | | | | | 1.5 in.w.g. Octave Band | | | | | | 3.0 in.w.g. Octave Band | | | | | | | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| 4 | 75 | 53 | 43 | 33 | 22 | 19 | 17 | 55 | 46 | 36 | 22 | 19 | 17 | 57 | 48 | 38 | 22 | 20 | 18 | 60 | 51 | 41 | 25 | 23 | 21 | | | | |
| | 100 | 54 | 44 | 34 | 22 | 19 | 17 | 56 | 47 | 38 | 22 | 20 | 17 | 58 | 49 | 40 | 24 | 21 | 19 | 61 | 52 | 43 | 27 | 23 | 22 | | | | |
| | 150 | 55 | 46 | 36 | 22 | 19 | 17 | 58 | 49 | 40 | 24 | 21 | 17 | 60 | 51 | 42 | 26 | 22 | 19 | 62 | 54 | 45 | 28 | 24 | 22 | | | | |
| | 200 | 56 | 47 | 38 | 23 | 19 | 17 | 59 | 50 | 41 | 26 | 21 | 18 | 61 | 52 | 43 | 27 | 23 | 19 | 63 | 55 | 46 | 30 | 25 | 22 | | | | |
| | 225 | * | * | * | * | * | * | 59 | 51 | 42 | 26 | 22 | 18 | 61 | 52 | 44 | 28 | 23 | 20 | 64 | 55 | 47 | 30 | 25 | 23 | | | | |
| 5 | 150 | 56 | 45 | 33 | 22 | 19 | 17 | 59 | 48 | 37 | 22 | 19 | 17 | 60 | 50 | 40 | 25 | 20 | 17 | 63 | 53 | 44 | 28 | 24 | 22 | | | | |
| | 200 | 59 | 49 | 37 | 23 | 19 | 17 | 62 | 52 | 42 | 26 | 21 | 17 | 64 | 54 | 44 | 29 | 23 | 18 | 67 | 57 | 48 | 32 | 27 | 24 | | | | |
| | 250 | 62 | 52 | 41 | 26 | 19 | 17 | 65 | 55 | 45 | 30 | 23 | 17 | 67 | 57 | 47 | 32 | 25 | 20 | 70 | 60 | 51 | 35 | 29 | 25 | | | | |
| | 300 | 65 | 54 | 44 | 29 | 21 | 17 | 67 | 58 | 48 | 32 | 25 | 18 | 69 | 59 | 50 | 34 | 27 | 21 | 72 | 63 | 54 | 38 | 31 | 26 | | | | |
| | 350 | * | * | * | * | * | * | 69 | 60 | 50 | 34 | 26 | 19 | 71 | 62 | 52 | 36 | 29 | 22 | 74 | 65 | 57 | 40 | 33 | 27 | | | | |
| 6 | 200 | 57 | 47 | 37 | 22 | 20 | 17 | 60 | 50 | 41 | 25 | 22 | 20 | 62 | 52 | 43 | 27 | 24 | 22 | 65 | 56 | 47 | 30 | 27 | 26 | | | | |
| | 250 | 60 | 50 | 40 | 25 | 21 | 17 | 64 | 53 | 44 | 28 | 24 | 21 | 66 | 56 | 47 | 30 | 26 | 23 | 69 | 59 | 50 | 33 | 28 | 27 | | | | |
| | 300 | 63 | 52 | 43 | 28 | 23 | 18 | 67 | 56 | 47 | 31 | 25 | 22 | 68 | 58 | 49 | 33 | 27 | 24 | 72 | 62 | 53 | 36 | 30 | 28 | | | | |
| | 350 | 66 | 55 | 46 | 30 | 24 | 18 | 69 | 58 | 49 | 33 | 26 | 22 | 71 | 60 | 52 | 35 | 28 | 25 | 74 | 64 | 56 | 38 | 31 | 29 | | | | |
| | 400 | * | * | * | * | * | * | 71 | 60 | 52 | 35 | 27 | 23 | 73 | 62 | 54 | 37 | 29 | 25 | 76 | 66 | 58 | 40 | 32 | 29 | | | | |
| 7 | 200 | 52 | 45 | 33 | 22 | 19 | 17 | 56 | 50 | 37 | 22 | 19 | 21 | 58 | 52 | 40 | 24 | 20 | 25 | 62 | 56 | 44 | 27 | 23 | 32 | | | | |
| | 300 | 58 | 51 | 39 | 26 | 19 | 17 | 62 | 55 | 44 | 29 | 22 | 24 | 65 | 58 | 46 | 31 | 24 | 28 | 69 | 62 | 50 | 34 | 28 | 35 | | | | |
| | 400 | 63 | 55 | 44 | 30 | 22 | 19 | 67 | 59 | 48 | 33 | 25 | 26 | 70 | 61 | 51 | 35 | 27 | 30 | 74 | 66 | 55 | 38 | 31 | 37 | | | | |
| | 500 | 67 | 58 | 47 | 33 | 25 | 21 | 71 | 62 | 52 | 37 | 28 | 28 | 73 | 65 | 54 | 38 | 30 | 32 | 77 | 69 | 58 | 42 | 33 | 39 | | | | |
| | 550 | * | * | * | * | * | * | 73 | 63 | 53 | 38 | 29 | 28 | 75 | 66 | 56 | 40 | 31 | 33 | 79 | 70 | 60 | 43 | 34 | 40 | | | | |
| 8 | 350 | 58 | 51 | 40 | 28 | 22 | 18 | 63 | 56 | 45 | 32 | 26 | 27 | 66 | 59 | 48 | 35 | 28 | 31 | 71 | 65 | 54 | 40 | 33 | 40 | | | | |
| | 450 | 62 | 54 | 43 | 31 | 23 | 20 | 67 | 59 | 48 | 35 | 28 | 28 | 70 | 62 | 51 | 38 | 30 | 33 | 75 | 67 | 57 | 42 | 34 | 41 | | | | |
| | 550 | 64 | 56 | 45 | 33 | 25 | 21 | 69 | 61 | 51 | 37 | 29 | 29 | 72 | 64 | 54 | 40 | 32 | 34 | 77 | 70 | 59 | 45 | 36 | 42 | | | | |
| | 700 | 68 | 59 | 48 | 36 | 26 | 22 | 73 | 64 | 54 | 40 | 31 | 30 | 76 | 67 | 57 | 43 | 33 | 35 | 81 | 72 | 62 | 47 | 37 | 44 | | | | |
| | 750 | * | * | * | * | * | * | 74 | 65 | 55 | 41 | 31 | 31 | 77 | 68 | 58 | 44 | 34 | 36 | 82 | 73 | 63 | 48 | 38 | 44 | | | | |
| 9 | 400 | 58 | 48 | 38 | 26 | 20 | 23 | 62 | 53 | 43 | 29 | 25 | 32 | 65 | 56 | 45 | 32 | 28 | 37 | 69 | 61 | 50 | 36 | 33 | 45 | | | | |
| | 550 | 62 | 52 | 43 | 30 | 23 | 25 | 67 | 57 | 47 | 34 | 28 | 33 | 69 | 60 | 50 | 36 | 30 | 38 | 74 | 65 | 55 | 40 | 35 | 47 | | | | |
| | 700 | 66 | 55 | 46 | 34 | 24 | 26 | 70 | 60 | 51 | 37 | 29 | 35 | 73 | 63 | 54 | 40 | 32 | 39 | 77 | 68 | 58 | 43 | 37 | 48 | | | | |
| | 900 | 69 | 58 | 50 | 37 | 26 | 27 | 74 | 63 | 55 | 41 | 31 | 36 | 76 | 66 | 57 | 43 | 34 | 41 | 81 | 71 | 62 | 47 | 39 | 49 | | | | |
| | 1000 | * | * | * | * | * | * | 75 | 64 | 56 | 42 | 32 | 36 | 78 | 67 | 59 | 45 | 35 | 41 | 82 | 72 | 63 | 48 | 40 | 50 | | | | |
| 10 | 500 | 58 | 48 | 38 | 28 | 22 | 25 | 63 | 53 | 43 | 32 | 28 | 34 | 65 | 56 | 46 | 34 | 31 | 39 | 70 | 61 | 51 | 38 | 36 | 49 | | | | |
| | 700 | 63 | 52 | 43 | 32 | 24 | 26 | 67 | 57 | 48 | 36 | 29 | 35 | 70 | 60 | 51 | 38 | 32 | 41 | 75 | 65 | 55 | 42 | 37 | 50 | | | | |
| | 900 | 67 | 55 | 47 | 34 | 26 | 27 | 71 | 60 | 51 | 38 | 31 | 37 | 74 | 63 | 54 | 41 | 34 | 42 | 78 | 68 | 59 | 45 | 39 | 51 | | | | |
| | 1100 | 70 | 58 | 50 | 37 | 27 | 28 | 74 | 63 | 54 | 41 | 32 | 37 | 77 | 66 | 57 | 43 | 35 | 43 | 81 | 71 | 62 | 47 | 40 | 52 | | | | |
| | 1300 | * | * | * | * | * | * | 76 | 65 | 57 | 43 | 33 | 38 | 79 | 68 | 60 | 45 | 36 | 44 | 84 | 73 | 64 | 49 | 41 | 53 | | | | |
| 12 | 700 | 58 | 47 | 37 | 25 | 27 | 28 | 63 | 53 | 42 | 30 | 33 | 37 | 66 | 56 | 45 | 32 | 36 | 42 | 71 | 62 | 49 | 37 | 41 | 51 | | | | |
| | 1000 | 63 | 51 | 43 | 31 | 29 | 30 | 68 | 57 | 47 | 35 | 35 | 38 | 71 | 60 | 50 | 38 | 38 | 44 | 76 | 66 | 55 | 42 | 44 | 53 | | | | |
| | 1300 | 67 | 54 | 47 | 35 | 31 | 31 | 72 | 60 | 51 | 39 | 37 | 40 | 75 | 63 | 54 | 41 | 40 | 45 | 79 | 69 | 59 | 46 | 45 | 54 | | | | |
| | 1600 | 70 | 57 | 50 | 38 | 32 | 32 | 75 | 62 | 54 | 42 | 38 | 40 | 77 | 66 | 57 | 45 | 41 | 46 | 82 | 71 | 62 | 49 | 47 | 54 | | | | |
| | 1900 | * | * | * | * | * | * | 77 | 64 | 57 | 45 | 39 | 41 | 80 | 68 | 60 | 47 | 42 | 46 | 85 | 73 | 65 | 51 | 48 | 55 | | | | |
| 14 | 1000 | 57 | 50 | 40 | 29 | 35 | 37 | 62 | 55 | 44 | 34 | 39 | 45 | 65 | 59 | 47 | 37 | 42 | 50 | 70 | 65 | 51 | 41 | 47 | 58 | | | | |
| | 1475 | 62 | 54 | 46 | 33 | 37 | 38 | 67 | 60 | 50 | 38 | 42 | 47 | 70 | 63 | 53 | 41 | 45 | 51 | 75 | 69 | 57 | 46 | 49 | 60 | | | | |
| | 2100 | 67 | 58 | 51 | 37 | 39 | 40 | 71 | 63 | 56 | 42 | 44 | 48 | 74 | 67 | 58 | 45 | 47 | 53 | 79 | 72 | 63 | 49 | 51 | 61 | | | | |
| | 2425 | * | * | * | * | * | * | 73 | 65 | 58 | 43 | 45 | 48 | 76 | 68 | 60 | 46 | 47 | 53 | 81 | 74 | 65 | 51 | 52 | 61 | | | | |
| | 2900 | * | * | * | * | * | * | 75 | 67 | 61 | 45 | 46 | 49 | 78 | 70 | 63 | 48 | 48 | 54 | 83 | 76 | 68 | 53 | 53 | 62 | | | | |
| 16 | 1200 | 60 | 54 | 45 | 33 | 38 | 37 | 66 | 60 | 50 | 39 | 44 | 45 | 69 | 63 | 53 | 43 | 47 | 50 | 74 | 69 | 59 | 49 | 52 | 59 | | | | |
| | 1775 | 62 | 56 | 47 | 35 | 39 | 38 | 68 | 61 | 53 | 41 | 45 | 47 | 71 | 65 | 56 | 45 | 48 | 51 | 76 | 71 | 61 | 51 | 54 | 60 | | | | |
| | 2350 | 64 | 57 | 49 | 37 | 40 | 39 | 69 | 63 | 55 | 43 | 46 | 47 | 72 | 66 | 58 | 46 | 49 | 52 | 78 | 72 | 63 | 52 | 55 | 61 | | | | |
| | 2800 | * | * | * | * | * | * | 70 | 64 | 56 | 43 | 46 | 48 | 73 | 67 | 59 | 47 | 50 | 53 | 79 | 73 | 64 | 53 | 55 | 61 | | | | |
| | 3500 | * | * | * | * | * | * | 71 | 65 | 57 | 45 | 47 | 49 | 74 | 68 | 61 | 48 | 50 | 53 | 80 | 74 | 66 | 54 | 56 | 62 | | | | |

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. AHRI certified data is highlighted in blue. All other data are application ratings.
4. Application ratings are outside the scope of the AHRI 880 Certification Program.
5. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.

PERFORMANCE DATA



DPQ / DDQ – Standard Mixing Quiet Model - Radiated Sound Data

| Unit Size | Airflow cfm | Sound Power Levels Lw dB re 10 ⁻¹² Watts | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------|---|----|----|----|----|----|----------------------------|----|----|----|----|----|----------------------------|----|----|----|----|----|----------------------------|----|----|----|----|----|--|--|--|--|
| | | 0.5 in.w.g. Octave Band | | | | | | 1.0 in.w.g. Octave Band | | | | | | 1.5 in.w.g. Octave Band | | | | | | 3.0 in.w.g. Octave Band | | | | | | | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| 4 | 75 | 43 | 33 | 31 | 23 | -- | -- | 44 | 35 | 34 | 27 | 24 | 17 | 45 | 36 | 36 | 29 | 27 | 23 | 46 | 38 | 39 | 34 | 33 | 33 | | | | |
| | 100 | 46 | 37 | 34 | 26 | 21 | -- | 47 | 39 | 37 | 30 | 26 | 20 | 48 | 40 | 39 | 32 | 30 | 26 | 49 | 42 | 42 | 37 | 36 | 35 | | | | |
| | 150 | 50 | 42 | 39 | 30 | 24 | -- | 51 | 44 | 42 | 34 | 30 | 24 | 51 | 45 | 44 | 37 | 34 | 30 | 52 | 47 | 47 | 41 | 39 | 39 | | | | |
| | 200 | 53 | 46 | 43 | 33 | 27 | 17 | 54 | 47 | 46 | 37 | 33 | 27 | 54 | 48 | 47 | 40 | 36 | 33 | 55 | 50 | 51 | 44 | 42 | 42 | | | | |
| | 225 | * | * | * | * | * | * | 55 | 49 | 47 | 39 | 34 | 28 | 55 | 50 | 49 | 41 | 37 | 34 | 56 | 52 | 52 | 45 | 43 | 43 | | | | |
| 5 | 150 | 48 | 38 | 33 | 27 | 23 | 17 | 50 | 41 | 37 | 31 | 28 | 24 | 51 | 43 | 39 | 34 | 32 | 28 | 53 | 46 | 43 | 38 | 37 | 35 | | | | |
| | 200 | 51 | 41 | 36 | 29 | 25 | 18 | 53 | 44 | 40 | 34 | 30 | 25 | 54 | 46 | 42 | 36 | 34 | 29 | 56 | 49 | 46 | 41 | 39 | 36 | | | | |
| | 250 | 53 | 44 | 39 | 31 | 27 | 19 | 56 | 47 | 43 | 36 | 32 | 26 | 57 | 48 | 45 | 38 | 35 | 30 | 59 | 51 | 49 | 43 | 41 | 37 | | | | |
| | 300 | 56 | 46 | 41 | 33 | 28 | 20 | 58 | 49 | 45 | 37 | 33 | 27 | 59 | 50 | 47 | 40 | 36 | 31 | 61 | 53 | 51 | 44 | 42 | 37 | | | | |
| | 350 | * | * | * | * | * | * | 59 | 50 | 46 | 39 | 34 | 27 | 61 | 52 | 49 | 41 | 37 | 31 | 63 | 55 | 52 | 46 | 43 | 38 | | | | |
| 6 | 200 | 48 | 37 | 32 | 26 | 23 | -- | 51 | 40 | 37 | 32 | 29 | 24 | 52 | 43 | 41 | 35 | 33 | 28 | 55 | 46 | 46 | 40 | 39 | 36 | | | | |
| | 250 | 51 | 39 | 34 | 27 | 24 | 17 | 54 | 43 | 40 | 33 | 30 | 25 | 55 | 45 | 43 | 36 | 34 | 30 | 58 | 49 | 48 | 42 | 40 | 37 | | | | |
| | 300 | 54 | 41 | 36 | 29 | 25 | 18 | 56 | 45 | 41 | 34 | 31 | 26 | 58 | 47 | 45 | 37 | 35 | 31 | 61 | 51 | 50 | 43 | 41 | 38 | | | | |
| | 350 | 56 | 43 | 38 | 30 | 26 | 19 | 59 | 47 | 43 | 35 | 32 | 27 | 60 | 49 | 46 | 38 | 36 | 31 | 63 | 53 | 51 | 44 | 42 | 39 | | | | |
| | 400 | * | * | * | * | * | * | 60 | 49 | 44 | 36 | 33 | 28 | 62 | 51 | 47 | 39 | 36 | 32 | 65 | 55 | 53 | 45 | 43 | 40 | | | | |
| 7 | 200 | 42 | 36 | 30 | 28 | 22 | -- | 45 | 40 | 35 | 34 | 27 | 23 | 47 | 43 | 37 | 37 | 30 | 28 | 50 | 47 | 42 | 43 | 36 | 37 | | | | |
| | 300 | 49 | 41 | 35 | 31 | 25 | 17 | 52 | 45 | 40 | 36 | 31 | 26 | 54 | 48 | 42 | 40 | 34 | 31 | 57 | 52 | 47 | 45 | 39 | 40 | | | | |
| | 400 | 53 | 45 | 38 | 32 | 27 | 20 | 57 | 49 | 43 | 38 | 33 | 28 | 58 | 51 | 46 | 41 | 36 | 34 | 62 | 56 | 51 | 47 | 42 | 42 | | | | |
| | 500 | 57 | 47 | 41 | 34 | 29 | 21 | 60 | 52 | 46 | 39 | 35 | 30 | 62 | 54 | 49 | 43 | 38 | 35 | 65 | 58 | 54 | 48 | 44 | 44 | | | | |
| | 550 | * | * | * | * | * | * | 62 | 53 | 47 | 40 | 36 | 31 | 64 | 55 | 50 | 43 | 39 | 36 | 67 | 59 | 55 | 49 | 44 | 45 | | | | |
| 8 | 350 | 50 | 41 | 37 | 31 | 25 | -- | 53 | 46 | 42 | 37 | 32 | 25 | 55 | 48 | 46 | 41 | 36 | 31 | 59 | 53 | 52 | 48 | 43 | 42 | | | | |
| | 450 | 53 | 44 | 39 | 32 | 27 | -- | 57 | 48 | 44 | 38 | 33 | 27 | 59 | 51 | 48 | 42 | 37 | 33 | 62 | 56 | 54 | 49 | 44 | 43 | | | | |
| | 550 | 56 | 46 | 40 | 33 | 28 | 18 | 59 | 50 | 46 | 39 | 34 | 28 | 61 | 53 | 50 | 43 | 38 | 34 | 65 | 58 | 55 | 50 | 45 | 44 | | | | |
| | 700 | 59 | 48 | 42 | 34 | 29 | 20 | 62 | 53 | 48 | 40 | 35 | 30 | 64 | 56 | 51 | 44 | 39 | 36 | 68 | 60 | 57 | 51 | 46 | 46 | | | | |
| | 750 | * | * | * | * | * | * | 63 | 54 | 49 | 41 | 36 | 30 | 65 | 57 | 52 | 44 | 40 | 36 | 69 | 61 | 58 | 51 | 46 | 46 | | | | |
| 9 | 400 | 49 | 39 | 34 | 30 | 25 | 19 | 53 | 46 | 39 | 35 | 31 | 28 | 56 | 50 | 42 | 37 | 34 | 33 | 60 | 57 | 48 | 42 | 40 | 41 | | | | |
| | 550 | 52 | 42 | 38 | 33 | 27 | 21 | 57 | 49 | 43 | 37 | 33 | 29 | 59 | 53 | 46 | 40 | 36 | 34 | 64 | 59 | 51 | 45 | 42 | 43 | | | | |
| | 700 | 55 | 44 | 41 | 35 | 29 | 22 | 59 | 51 | 46 | 39 | 34 | 30 | 62 | 55 | 49 | 42 | 38 | 35 | 67 | 61 | 54 | 47 | 43 | 44 | | | | |
| | 900 | 58 | 46 | 44 | 37 | 30 | 23 | 62 | 53 | 49 | 42 | 36 | 31 | 65 | 57 | 52 | 44 | 39 | 37 | 69 | 63 | 57 | 49 | 45 | 45 | | | | |
| | 1000 | * | * | * | * | * | * | 63 | 54 | 50 | 43 | 37 | 32 | 66 | 58 | 53 | 45 | 40 | 37 | 71 | 64 | 58 | 50 | 46 | 46 | | | | |
| 10 | 500 | 52 | 43 | 39 | 33 | 27 | 21 | 55 | 49 | 45 | 39 | 33 | 28 | 57 | 52 | 48 | 43 | 36 | 33 | 60 | 57 | 54 | 50 | 42 | 40 | | | | |
| | 700 | 55 | 46 | 40 | 34 | 28 | 22 | 59 | 51 | 46 | 40 | 34 | 30 | 61 | 55 | 50 | 44 | 38 | 34 | 64 | 60 | 56 | 50 | 43 | 42 | | | | |
| | 900 | 58 | 48 | 42 | 35 | 29 | 24 | 61 | 54 | 48 | 41 | 35 | 31 | 63 | 57 | 51 | 45 | 39 | 36 | 67 | 62 | 57 | 51 | 44 | 43 | | | | |
| | 1100 | 60 | 50 | 43 | 35 | 30 | 25 | 63 | 55 | 49 | 42 | 36 | 32 | 65 | 58 | 52 | 45 | 39 | 37 | 69 | 64 | 58 | 52 | 45 | 44 | | | | |
| | 1300 | * | * | * | * | * | * | 65 | 57 | 49 | 42 | 37 | 33 | 67 | 60 | 53 | 46 | 40 | 38 | 71 | 65 | 59 | 52 | 46 | 45 | | | | |
| 12 | 700 | 47 | 41 | 35 | 26 | 22 | 19 | 53 | 47 | 40 | 32 | 29 | 27 | 56 | 51 | 42 | 35 | 33 | 32 | 62 | 57 | 46 | 41 | 39 | 41 | | | | |
| | 1000 | 51 | 44 | 40 | 31 | 25 | 21 | 57 | 50 | 44 | 36 | 32 | 29 | 60 | 54 | 47 | 40 | 35 | 34 | 66 | 61 | 51 | 45 | 42 | 43 | | | | |
| | 1300 | 54 | 46 | 43 | 34 | 27 | 22 | 60 | 53 | 47 | 39 | 34 | 31 | 63 | 57 | 50 | 43 | 37 | 35 | 69 | 63 | 54 | 49 | 44 | 44 | | | | |
| | 1600 | 56 | 48 | 46 | 36 | 29 | 23 | 62 | 55 | 50 | 42 | 35 | 32 | 65 | 59 | 52 | 45 | 39 | 37 | 71 | 65 | 57 | 51 | 45 | 45 | | | | |
| | 1900 | * | * | * | * | * | * | 64 | 56 | 52 | 44 | 36 | 33 | 67 | 60 | 55 | 47 | 40 | 37 | 73 | 67 | 59 | 53 | 47 | 46 | | | | |
| 14 | 1000 | 51 | 44 | 38 | 33 | 30 | 25 | 57 | 51 | 43 | 38 | 35 | 33 | 60 | 54 | 46 | 41 | 38 | 37 | 66 | 60 | 52 | 47 | 44 | 45 | | | | |
| | 1475 | 55 | 48 | 42 | 36 | 33 | 27 | 61 | 54 | 48 | 41 | 38 | 35 | 64 | 57 | 51 | 44 | 41 | 39 | 70 | 64 | 56 | 50 | 46 | 47 | | | | |
| | 2100 | 59 | 50 | 46 | 38 | 35 | 29 | 64 | 57 | 51 | 44 | 40 | 36 | 68 | 60 | 55 | 47 | 43 | 41 | 73 | 66 | 60 | 52 | 48 | 48 | | | | |
| | 2425 | * | * | * | * | * | * | 66 | 58 | 53 | 45 | 41 | 37 | 69 | 61 | 56 | 48 | 44 | 42 | 75 | 68 | 61 | 53 | 49 | 49 | | | | |
| | 2900 | * | * | * | * | * | * | 67 | 59 | 55 | 46 | 42 | 38 | 71 | 63 | 58 | 49 | 45 | 42 | 77 | 69 | 63 | 55 | 50 | 50 | | | | |
| 16 | 1200 | 51 | 44 | 37 | 31 | 26 | 24 | 56 | 51 | 42 | 36 | 31 | 31 | 59 | 55 | 45 | 39 | 34 | 35 | 65 | 61 | 51 | 44 | 39 | 41 | | | | |
| | 1775 | 55 | 47 | 42 | 35 | 31 | 29 | 60 | 53 | 48 | 40 | 36 | 35 | 63 | 57 | 51 | 43 | 39 | 39 | 69 | 64 | 56 | 48 | 44 | 46 | | | | |
| | 2350 | 57 | 49 | 46 | 38 | 35 | 32 | 63 | 55 | 52 | 43 | 40 | 39 | 66 | 59 | 55 | 46 | 42 | 43 | 72 | 66 | 60 | 51 | 47 | 49 | | | | |
| | 2800 | * | * | * | * | * | * | 65 | 57 | 54 | 45 | 42 | 41 | 68 | 60 | 57 | 48 | 45 | 45 | 73 | 67 | 63 | 53 | 49 | 51 | | | | |
| | 3500 | * | * | * | * | * | * | 67 | 58 | 57 | 47 | 45 | 43 | 70 | 62 | 60 | 50 | 48 | 47 | 76 | 68 | 66 | 55 | 52 | 54 | | | | |

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. AHRI certified data is highlighted in blue. All other data are application ratings.
4. Application ratings are outside the scope of the AHRI 880 Certification Program.
5. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
6. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.

DUAL DUCT

Terminal Units

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Typical Selection Guide

Aluminum Foil Lined Construction, CRAF - No Lined Ductwork

| Unit Size | Airflow cfm | Min. ΔPs Across Unit | | Discharge NC ΔPs Across Unit | | | | Radiated NC ΔPs Across Unit | | | |
|-----------|----------------|-------------------------|---------|---------------------------------|-------------|-------------|-------------|--------------------------------|-------------|-------------|-------------|
| | | in.w.g. | in.w.g. | 0.5 in.w.g. | 1.0 in.w.g. | 1.5 in.w.g. | 3.0 in.w.g. | 0.5 in.w.g. | 1.0 in.w.g. | 1.5 in.w.g. | 3.0 in.w.g. |
| | | | | | | | | | | | |
| 4 | 75 | 0.06 | 0.11 | — | — | — | — | — | — | — | — |
| | 100 | 0.10 | 0.18 | — | — | — | 21 | — | — | — | — |
| | 150 | 0.23 | 0.41 | — | — | — | 23 | — | — | — | 21 |
| | 200 | 0.40 | 0.72 | — | — | 20 | 24 | — | — | 21 | 25 |
| | 225 | 0.51 | 0.92 | * | — | 21 | 25 | * | 21 | 23 | 26 |
| 5 | 150 | 0.10 | 0.17 | — | — | 20 | 24 | — | — | — | — |
| | 200 | 0.19 | 0.32 | — | 23 | 25 | 29 | — | — | — | 20 |
| | 250 | 0.29 | 0.49 | 23 | 26 | 29 | 32 | — | — | — | 23 |
| | 300 | 0.42 | 0.71 | 22 | 26 | 28 | 31 | — | — | 21 | 25 |
| | 350 | 0.57 | 0.97 | * | 28 | 30 | 34 | * | 22 | 23 | 27 |
| 6 | 200 | 0.16 | 0.22 | — | — | 22 | 27 | — | — | — | — |
| | 250 | 0.28 | 0.37 | 20 | 24 | 27 | 31 | — | — | — | 22 |
| | 300 | 0.36 | 0.49 | 20 | 24 | 27 | 31 | — | — | — | 24 |
| | 350 | 0.49 | 0.67 | 23 | 27 | 30 | 34 | — | 21 | 23 | 26 |
| | 400 | 0.64 | 0.88 | * | 30 | 33 | 37 | * | 23 | 25 | 28 |
| 7 | 200 | 0.07 | 0.10 | — | — | — | — | — | — | — | — |
| | 300 | 0.16 | 0.23 | — | — | — | 25 | — | — | — | 21 |
| | 400 | 0.28 | 0.41 | — | 23 | 26 | 31 | — | — | 20 | 25 |
| | 500 | 0.43 | 0.63 | 22 | 27 | 30 | 36 | — | 23 | 25 | 29 |
| | 550 | 0.52 | 0.76 | * | 30 | 33 | 38 | * | 25 | 27 | 31 |
| 8 | 350 | 0.12 | 0.17 | — | — | 21 | 28 | — | — | — | 26 |
| | 450 | 0.20 | 0.29 | — | 22 | 26 | 32 | — | — | 22 | 28 |
| | 550 | 0.31 | 0.44 | — | 25 | 29 | 36 | — | 21 | 24 | 30 |
| | 700 | 0.50 | 0.71 | 23 | 30 | 33 | 40 | 21 | 25 | 28 | 32 |
| | 750 | 0.57 | 0.81 | * | 28 | 32 | 39 | * | 26 | 29 | 34 |
| 9 | 400 | 0.08 | 0.12 | — | — | — | 25 | — | — | — | 26 |
| | 550 | 0.16 | 0.24 | — | 22 | 25 | 31 | — | — | 22 | 29 |
| | 700 | 0.26 | 0.40 | 21 | 27 | 30 | 36 | — | 22 | 25 | 31 |
| | 900 | 0.43 | 0.65 | 23 | 29 | 32 | 38 | — | 25 | 29 | 34 |
| | 1000 | 0.53 | 0.81 | * | 31 | 34 | 40 | * | 27 | 30 | 36 |
| 10 | 500 | 0.09 | 0.13 | — | — | — | 28 | — | — | 22 | 29 |
| | 700 | 0.19 | 0.27 | — | 23 | 26 | 32 | — | 21 | 24 | 31 |
| | 900 | 0.31 | 0.45 | — | 25 | 28 | 34 | — | 24 | 27 | 32 |
| | 1100 | 0.46 | 0.66 | 23 | 29 | 32 | 38 | 22 | 27 | 29 | 34 |
| | 1300 | 0.64 | 0.92 | * | 32 | 35 | 41 | * | 29 | 32 | 36 |
| 12 | 700 | 0.08 | 0.12 | — | — | 22 | 31 | — | — | — | 27 |
| | 1000 | 0.16 | 0.24 | — | 21 | 25 | 31 | — | — | 23 | 31 |
| | 1300 | 0.28 | 0.41 | — | 26 | 29 | 36 | — | 22 | 26 | 34 |
| | 1600 | 0.42 | 0.62 | 23 | 30 | 33 | 40 | — | 25 | 29 | 37 |
| | 1900 | 0.60 | 0.88 | * | 33 | 36 | 43 | * | 27 | 32 | 39 |
| 14 | 1000 | 0.10 | 0.14 | — | 23 | 28 | 36 | — | — | 23 | 30 |
| | 1475 | 0.21 | 0.31 | — | 24 | 29 | 37 | — | 23 | 28 | 35 |
| | 2100 | 0.43 | 0.62 | — | 25 | 30 | 38 | 20 | 28 | 32 | 40 |
| | 2425 | 0.57 | 0.83 | * | 28 | 31 | 38 | * | 30 | 34 | 41 |
| | 2900 | 0.81 | 1.18 | * | 31 | 34 | 40 | * | 32 | 36 | 44 |
| 16 | 1200 | 0.11 | 0.15 | — | 23 | 28 | 36 | — | — | 23 | 31 |
| | 1775 | 0.23 | 0.31 | — | 24 | 29 | 37 | — | 22 | 27 | 34 |
| | 2350 | 0.40 | 0.54 | — | 25 | 30 | 38 | — | 26 | 30 | 37 |
| | 2800 | 0.57 | 0.77 | * | 25 | 30 | 38 | * | 29 | 33 | 40 |
| | 3500 | 0.89 | 1.20 | * | 26 | 31 | 39 | * | 32 | 35 | 42 |

Performance Notes:

1. NCs are derived from sound power levels, which are obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. NCs are derived from sound power levels which include duct end corrections per AHRI Standard 880 -2017.
3. Blank spaces (--) indicate NCs less than 20.
4. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
5. ΔPs is the difference in static pressure from inlet to discharge of the unit.
6. ΔPs for terminal units with electric coil is equal to basic unit. Resistance of the coil elements is negligible.
7. ΔPt is the difference in total pressure from inlet to discharge of the unit.
8. NC values are calculated based on procedures outlined in AHRI Standard 885- 2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."

Radiated Sound is based on a 5/8 in. mineral fiber tile ceiling per AHRI 885-2008, Appendix E typical attenuation values.

| Total Deduction | Octave Band Mid Frequency, Hz | | | | | |
|-----------------|-------------------------------|-----|-----|------|------|------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| All Sizes | 18 | 19 | 20 | 26 | 31 | 36 |

Discharge Sound is based on environmental effect, end reflection, flex duct effect, space effect, and sound power division. No deductions for lined duct are included. These calculations are not covered by AHRI 885-2008 Appendix E.

| Total Deduction | Octave Band Mid Frequency, Hz | | | | | |
|-----------------|-------------------------------|-----|-----|------|------|------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| < 300 cfm | 22 | 22 | 27 | 28 | 30 | 22 |
| 300-700 cfm | 25 | 25 | 30 | 31 | 33 | 25 |
| > 700 cfm | 27 | 27 | 32 | 33 | 35 | 27 |

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Discharge Sound Data

Aluminum Foil Lined Construction, CRAF

| Unit Size | Airflow cfm | Sound Power Levels Lw dB re 10 ⁻¹² Watts | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------|---|----|----|----|----|----|-------------|----|----|----|----|----|-------------|----|----|----|----|----|-------------|----|----|----|----|----|--|--|--|--|
| | | 0.5 in.w.g. | | | | | | 1.0 in.w.g. | | | | | | 1.5 in.w.g. | | | | | | 3.0 in.w.g. | | | | | | | | | |
| | | Octave Band | | | | | | Octave Band | | | | | | Octave Band | | | | | | Octave Band | | | | | | | | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | | | | | |
| 4 | 35 | 53 | 38 | 30 | -- | -- | -- | 55 | 40 | 32 | -- | -- | -- | 55 | 41 | 33 | -- | 19 | 18 | 57 | 43 | 35 | -- | 21 | 22 | | | | |
| | 47 | 58 | 43 | 35 | -- | 21 | 18 | 59 | 45 | 37 | -- | 23 | 22 | 60 | 46 | 38 | -- | 24 | 24 | 61 | 47 | 40 | 23 | 26 | 28 | | | | |
| | 71 | 65 | 50 | 43 | 27 | 28 | 26 | 66 | 51 | 44 | 29 | 30 | 30 | 67 | 52 | 45 | 30 | 31 | 32 | 68 | 54 | 47 | 31 | 34 | 36 | | | | |
| | 94 | 70 | 55 | 48 | 33 | 33 | 31 | 71 | 56 | 49 | 34 | 35 | 35 | 72 | 57 | 50 | 35 | 37 | 38 | 73 | 59 | 52 | 37 | 39 | 42 | | | | |
| | 106 | * | * | * | * | * | * | 73 | 58 | 52 | 37 | 38 | 38 | 74 | 59 | 53 | 38 | 39 | 40 | 75 | 61 | 54 | 39 | 41 | 44 | | | | |
| 5 | 71 | 57 | 42 | 35 | 24 | 22 | 21 | 61 | 46 | 39 | 27 | 27 | 28 | 63 | 48 | 41 | 29 | 29 | 32 | 66 | 52 | 45 | 33 | 34 | 39 | | | | |
| | 94 | 62 | 46 | 39 | 27 | 26 | 24 | 66 | 50 | 43 | 31 | 30 | 31 | 68 | 52 | 45 | 33 | 33 | 35 | 71 | 56 | 50 | 37 | 37 | 42 | | | | |
| | 118 | 66 | 50 | 42 | 30 | 29 | 27 | 69 | 53 | 46 | 34 | 33 | 34 | 71 | 56 | 49 | 36 | 36 | 38 | 75 | 59 | 53 | 40 | 40 | 45 | | | | |
| | 142 | 69 | 52 | 45 | 33 | 31 | 29 | 72 | 56 | 49 | 36 | 36 | 36 | 74 | 58 | 51 | 39 | 38 | 40 | 78 | 62 | 55 | 42 | 43 | 47 | | | | |
| | 165 | * | * | * | * | * | * | 75 | 59 | 51 | 38 | 37 | 38 | 77 | 61 | 53 | 41 | 40 | 42 | 80 | 65 | 57 | 44 | 45 | 49 | | | | |
| 6 | 94 | 61 | 46 | 38 | 26 | 26 | 27 | 64 | 49 | 42 | 29 | 30 | 33 | 66 | 51 | 44 | 31 | 33 | 36 | 70 | 55 | 48 | 34 | 36 | 42 | | | | |
| | 118 | 65 | 49 | 42 | 29 | 29 | 30 | 68 | 52 | 46 | 32 | 33 | 36 | 70 | 54 | 48 | 34 | 35 | 39 | 73 | 58 | 52 | 38 | 39 | 45 | | | | |
| | 142 | 68 | 52 | 45 | 32 | 31 | 32 | 71 | 55 | 49 | 35 | 35 | 38 | 73 | 57 | 51 | 37 | 38 | 42 | 76 | 61 | 55 | 40 | 41 | 48 | | | | |
| | 165 | * | * | * | * | * | * | 74 | 57 | 52 | 37 | 37 | 41 | 76 | 59 | 54 | 39 | 40 | 44 | 79 | 63 | 57 | 42 | 43 | 50 | | | | |
| | 189 | * | * | * | * | * | * | 76 | 59 | 54 | 39 | 39 | 42 | 78 | 61 | 56 | 41 | 41 | 46 | 81 | 65 | 60 | 44 | 45 | 52 | | | | |
| 7 | 94 | 55 | 46 | 35 | 26 | 36 | 32 | 59 | 50 | 39 | 29 | 39 | 38 | 61 | 53 | 42 | 31 | 41 | 42 | 66 | 57 | 46 | 34 | 45 | 49 | | | | |
| | 142 | 61 | 52 | 42 | 32 | 40 | 36 | 66 | 56 | 46 | 36 | 44 | 43 | 68 | 58 | 49 | 37 | 46 | 46 | 72 | 63 | 53 | 41 | 50 | 53 | | | | |
| | 189 | 66 | 55 | 47 | 37 | 44 | 39 | 70 | 60 | 51 | 40 | 47 | 46 | 73 | 62 | 53 | 42 | 50 | 49 | 77 | 66 | 58 | 45 | 53 | 56 | | | | |
| | 236 | 70 | 58 | 51 | 41 | 47 | 41 | 74 | 63 | 55 | 44 | 50 | 48 | 77 | 65 | 57 | 46 | 52 | 52 | 81 | 69 | 61 | 49 | 56 | 58 | | | | |
| | 260 | * | * | * | * | * | * | 76 | 64 | 56 | 46 | 51 | 49 | 78 | 66 | 59 | 48 | 53 | 53 | 82 | 71 | 63 | 51 | 57 | 59 | | | | |
| 8 | 165 | 61 | 51 | 42 | 35 | 41 | 38 | 66 | 56 | 47 | 39 | 46 | 46 | 68 | 59 | 50 | 42 | 48 | 51 | 73 | 64 | 55 | 46 | 53 | 59 | | | | |
| | 212 | 64 | 53 | 45 | 38 | 43 | 40 | 69 | 59 | 50 | 42 | 47 | 48 | 72 | 62 | 53 | 45 | 50 | 52 | 76 | 67 | 58 | 49 | 55 | 60 | | | | |
| | 260 | 67 | 56 | 48 | 40 | 44 | 41 | 72 | 61 | 53 | 45 | 49 | 49 | 74 | 64 | 56 | 47 | 52 | 54 | 79 | 69 | 61 | 52 | 57 | 62 | | | | |
| | 330 | 70 | 58 | 51 | 43 | 46 | 42 | 75 | 63 | 56 | 48 | 51 | 50 | 78 | 66 | 59 | 50 | 54 | 55 | 82 | 71 | 64 | 55 | 58 | 63 | | | | |
| | 354 | * | * | * | * | * | * | 76 | 64 | 57 | 49 | 51 | 51 | 78 | 67 | 60 | 51 | 54 | 56 | 83 | 72 | 65 | 56 | 59 | 64 | | | | |
| 9 | 189 | 59 | 48 | 39 | 33 | 39 | 38 | 63 | 53 | 44 | 37 | 44 | 46 | 66 | 56 | 46 | 39 | 47 | 51 | 70 | 61 | 51 | 44 | 51 | 58 | | | | |
| | 260 | 63 | 51 | 45 | 37 | 42 | 41 | 68 | 57 | 49 | 41 | 47 | 49 | 70 | 60 | 51 | 44 | 49 | 53 | 75 | 65 | 56 | 48 | 54 | 61 | | | | |
| | 330 | 67 | 54 | 49 | 41 | 44 | 43 | 71 | 60 | 53 | 45 | 49 | 50 | 74 | 63 | 55 | 47 | 52 | 55 | 78 | 68 | 60 | 51 | 56 | 62 | | | | |
| | 425 | 71 | 57 | 53 | 44 | 46 | 45 | 75 | 63 | 57 | 48 | 51 | 52 | 78 | 66 | 60 | 51 | 54 | 57 | 82 | 71 | 64 | 55 | 59 | 64 | | | | |
| | 472 | * | * | * | * | * | * | 77 | 64 | 59 | 50 | 52 | 53 | 79 | 67 | 61 | 52 | 55 | 58 | 84 | 72 | 66 | 56 | 59 | 65 | | | | |
| 10 | 236 | 61 | 49 | 42 | 37 | 42 | 40 | 66 | 54 | 47 | 41 | 47 | 49 | 69 | 57 | 49 | 43 | 49 | 54 | 73 | 62 | 54 | 47 | 54 | 62 | | | | |
| | 330 | 65 | 53 | 47 | 40 | 44 | 42 | 70 | 58 | 52 | 44 | 49 | 51 | 73 | 61 | 55 | 47 | 52 | 56 | 78 | 66 | 59 | 51 | 56 | 64 | | | | |
| | 425 | 68 | 56 | 51 | 43 | 46 | 44 | 73 | 61 | 56 | 47 | 50 | 52 | 76 | 64 | 58 | 50 | 53 | 57 | 81 | 69 | 63 | 54 | 58 | 65 | | | | |
| | 519 | * | * | * | * | * | * | 76 | 63 | 59 | 49 | 52 | 53 | 79 | 66 | 61 | 52 | 55 | 58 | 84 | 72 | 66 | 56 | 59 | 67 | | | | |
| | 614 | * | * | * | * | * | * | 78 | 65 | 61 | 51 | 53 | 54 | 81 | 68 | 64 | 53 | 56 | 59 | 86 | 74 | 69 | 57 | 60 | 68 | | | | |
| 12 | 330 | 58 | 48 | 39 | 32 | 44 | 43 | 63 | 54 | 43 | 36 | 49 | 51 | 66 | 57 | 46 | 39 | 52 | 56 | 72 | 63 | 50 | 43 | 57 | 64 | | | | |
| | 472 | 62 | 52 | 46 | 37 | 47 | 45 | 68 | 58 | 50 | 42 | 52 | 53 | 71 | 61 | 53 | 44 | 55 | 58 | 77 | 67 | 57 | 48 | 60 | 66 | | | | |
| | 614 | 66 | 55 | 51 | 41 | 49 | 46 | 72 | 61 | 55 | 45 | 54 | 54 | 75 | 64 | 58 | 48 | 57 | 59 | 80 | 70 | 62 | 52 | 62 | 67 | | | | |
| | 755 | 69 | 57 | 55 | 44 | 51 | 47 | 74 | 63 | 59 | 48 | 56 | 56 | 78 | 66 | 62 | 51 | 59 | 60 | 83 | 72 | 66 | 55 | 64 | 69 | | | | |
| | 897 | * | * | * | * | * | * | 77 | 65 | 63 | 51 | 57 | 56 | 80 | 68 | 65 | 53 | 60 | 61 | 85 | 74 | 69 | 57 | 65 | 70 | | | | |
| 14 | 472 | 59 | 50 | 43 | 37 | 49 | 47 | 64 | 56 | 47 | 42 | 54 | 55 | 67 | 59 | 49 | 44 | 56 | 59 | 72 | 65 | 53 | 49 | 61 | 66 | | | | |
| | 696 | 64 | 55 | 51 | 42 | 52 | 49 | 69 | 60 | 55 | 46 | 57 | 57 | 72 | 64 | 57 | 49 | 59 | 61 | 77 | 69 | 61 | 53 | 64 | 68 | | | | |
| | 991 | 69 | 59 | 58 | 46 | 55 | 52 | 74 | 64 | 61 | 50 | 59 | 59 | 77 | 68 | 64 | 53 | 62 | 63 | 82 | 73 | 67 | 57 | 66 | 71 | | | | |
| | 1144 | * | * | * | * | * | * | 76 | 66 | 64 | 52 | 60 | 60 | 79 | 69 | 66 | 54 | 63 | 64 | 84 | 75 | 70 | 59 | 67 | 71 | | | | |
| | 1369 | * | * | * | * | * | * | 79 | 68 | 68 | 54 | 61 | 61 | 82 | 71 | 70 | 57 | 64 | 65 | 87 | 77 | 74 | 61 | 68 | 72 | | | | |
| 16 | 566 | 58 | 51 | 42 | 36 | 50 | 46 | 64 | 57 | 47 | 41 | 55 | 54 | 67 | 60 | 50 | 44 | 58 | 59 | 72 | 65 | 55 | 49 | 63 | 67 | | | | |
| | 838 | 63 | 56 | 49 | 40 | 53 | 48 | 68 | 61 | 54 | 45 | 58 | 56 | 71 | 64 | 56 | 48 | 61 | 61 | 76 | 70 | 61 | 53 | 66 | 69 | | | | |
| | 1109 | 66 | 58 | 53 | 43 | 54 | 49 | 71 | 64 | 58 | 49 | 60 | 57 | 74 | 67 | 61 | 52 | 63 | 62 | 79 | 72 | 65 | 57 | 68 | 70 | | | | |
| | 1321 | * | * | * | * | * | * | 73 | 66 | 61 | 51 | 61 | 58 | 76 | 69 | 64 | 54 | 64 | 63 | 81 | 74 | 68 | 59 | 69 | 71 | | | | |
| | 1652 | * | * | * | * | * | * | 75 | 68 | 65 | 53 | 62 | 59 | 78 | 71 | 67 | 56 | 65 | 64 | 84 | 77 | 72 | 61 | 70 | 72 | | | | |

Performance Notes:

- Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
- Sound power levels include duct end corrections per AHRI Standard 880-2017.
- AHRI certified data is highlighted in blue. All other data are application ratings.
- Application ratings are outside the scope of the AHRI 880 Certification Program.
- Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
- Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.

DUAL DUCT

Terminal Units

PERFORMANCE DATA

DPQ / DDQ – Standard Mixing Quiet Model - Radiated Sound Data

Aluminum Foil Lined Construction, CRAF

| Unit Size | Airflow cfm | Sound Power Levels Lw dB re 10 ⁻¹² Watts | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------|---|----|----|----|----|----|-------------|----|----|----|----|----|-------------|----|----|----|----|----|-------------|----|----|----|----|----|--|--|--|--|
| | | 0.5 in.w.g. | | | | | | 1.0 in.w.g. | | | | | | 1.5 in.w.g. | | | | | | 3.0 in.w.g. | | | | | | | | | |
| | | Octave Band | | | | | | Octave Band | | | | | | Octave Band | | | | | | Octave Band | | | | | | | | | |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| 4 | 35 | 43 | 33 | 31 | 23 | -- | -- | 44 | 35 | 34 | 27 | 24 | 17 | 45 | 36 | 36 | 29 | 27 | 23 | 46 | 38 | 39 | 34 | 33 | 33 | | | | |
| | 47 | 46 | 37 | 34 | 26 | 21 | -- | 47 | 39 | 37 | 30 | 26 | 20 | 48 | 40 | 39 | 32 | 30 | 26 | 49 | 42 | 42 | 37 | 36 | 35 | | | | |
| | 71 | 50 | 42 | 39 | 30 | 24 | -- | 51 | 44 | 42 | 34 | 30 | 24 | 51 | 45 | 44 | 37 | 34 | 30 | 52 | 47 | 47 | 41 | 39 | 39 | | | | |
| | 94 | 53 | 46 | 43 | 33 | 27 | 17 | 54 | 47 | 46 | 37 | 33 | 27 | 54 | 48 | 47 | 40 | 36 | 33 | 55 | 50 | 51 | 44 | 42 | 42 | | | | |
| | 106 | * | * | * | * | * | * | 55 | 49 | 47 | 39 | 34 | 28 | 55 | 50 | 49 | 41 | 37 | 34 | 56 | 52 | 52 | 45 | 43 | 43 | | | | |
| 5 | 71 | 48 | 38 | 33 | 27 | 23 | 17 | 50 | 41 | 37 | 31 | 28 | 24 | 51 | 43 | 39 | 34 | 32 | 28 | 53 | 46 | 43 | 38 | 37 | 35 | | | | |
| | 94 | 51 | 41 | 36 | 29 | 25 | 18 | 53 | 44 | 40 | 34 | 30 | 25 | 54 | 46 | 42 | 36 | 34 | 29 | 56 | 49 | 46 | 41 | 39 | 36 | | | | |
| | 118 | 53 | 44 | 39 | 31 | 27 | 19 | 56 | 47 | 43 | 36 | 32 | 26 | 57 | 48 | 45 | 38 | 35 | 30 | 59 | 51 | 49 | 43 | 41 | 37 | | | | |
| | 142 | 56 | 46 | 41 | 33 | 28 | 20 | 58 | 49 | 45 | 37 | 33 | 27 | 59 | 50 | 47 | 40 | 36 | 31 | 61 | 53 | 51 | 44 | 42 | 37 | | | | |
| | 165 | * | * | * | * | * | * | 59 | 50 | 46 | 39 | 34 | 27 | 61 | 52 | 49 | 41 | 37 | 31 | 63 | 55 | 52 | 46 | 43 | 38 | | | | |
| 6 | 94 | 48 | 37 | 32 | 26 | 23 | -- | 51 | 40 | 37 | 32 | 29 | 24 | 52 | 43 | 41 | 35 | 33 | 28 | 55 | 46 | 46 | 40 | 39 | 36 | | | | |
| | 118 | 51 | 39 | 34 | 27 | 24 | 17 | 54 | 43 | 40 | 33 | 30 | 25 | 55 | 45 | 43 | 36 | 34 | 30 | 58 | 49 | 48 | 42 | 40 | 37 | | | | |
| | 142 | 54 | 41 | 36 | 29 | 25 | 18 | 56 | 45 | 41 | 34 | 31 | 26 | 58 | 47 | 45 | 37 | 35 | 31 | 61 | 51 | 50 | 43 | 41 | 38 | | | | |
| | 165 | * | * | * | * | * | * | 59 | 47 | 43 | 35 | 32 | 27 | 60 | 49 | 46 | 38 | 36 | 31 | 63 | 53 | 51 | 44 | 42 | 39 | | | | |
| | 189 | * | * | * | * | * | * | 60 | 49 | 44 | 36 | 33 | 28 | 62 | 51 | 47 | 39 | 36 | 32 | 65 | 55 | 53 | 45 | 43 | 40 | | | | |
| 7 | 94 | 42 | 36 | 30 | 28 | 22 | -- | 45 | 40 | 35 | 34 | 27 | 23 | 47 | 43 | 37 | 37 | 30 | 28 | 50 | 47 | 42 | 43 | 36 | 37 | | | | |
| | 142 | 49 | 41 | 35 | 31 | 25 | 17 | 52 | 45 | 40 | 36 | 31 | 26 | 54 | 48 | 42 | 40 | 34 | 31 | 57 | 52 | 47 | 45 | 39 | 40 | | | | |
| | 189 | 53 | 45 | 38 | 32 | 27 | 20 | 57 | 49 | 43 | 38 | 33 | 28 | 58 | 51 | 46 | 41 | 36 | 34 | 62 | 56 | 51 | 47 | 42 | 42 | | | | |
| | 236 | 57 | 47 | 41 | 34 | 29 | 21 | 60 | 52 | 46 | 39 | 35 | 30 | 62 | 54 | 49 | 43 | 38 | 35 | 65 | 58 | 54 | 48 | 44 | 44 | | | | |
| | 260 | * | * | * | * | * | * | 62 | 53 | 47 | 40 | 36 | 31 | 64 | 55 | 50 | 43 | 39 | 36 | 67 | 59 | 55 | 49 | 44 | 45 | | | | |
| 8 | 165 | 50 | 41 | 37 | 31 | 25 | -- | 53 | 46 | 42 | 37 | 32 | 25 | 55 | 48 | 46 | 41 | 36 | 31 | 59 | 53 | 52 | 48 | 43 | 42 | | | | |
| | 212 | 53 | 44 | 39 | 32 | 27 | -- | 57 | 48 | 44 | 38 | 33 | 27 | 59 | 51 | 48 | 42 | 37 | 33 | 62 | 56 | 54 | 49 | 44 | 43 | | | | |
| | 260 | 56 | 46 | 40 | 33 | 28 | 18 | 59 | 50 | 46 | 39 | 34 | 28 | 61 | 53 | 50 | 43 | 38 | 34 | 65 | 58 | 55 | 50 | 45 | 44 | | | | |
| | 330 | 59 | 48 | 42 | 34 | 29 | 20 | 62 | 53 | 48 | 40 | 35 | 30 | 64 | 56 | 51 | 44 | 39 | 36 | 68 | 60 | 57 | 51 | 46 | 46 | | | | |
| | 354 | * | * | * | * | * | * | 63 | 54 | 49 | 41 | 36 | 30 | 65 | 57 | 52 | 44 | 40 | 36 | 69 | 61 | 58 | 51 | 46 | 46 | | | | |
| 9 | 189 | 49 | 39 | 34 | 30 | 25 | 19 | 53 | 46 | 39 | 35 | 31 | 28 | 56 | 50 | 42 | 37 | 34 | 33 | 60 | 57 | 48 | 42 | 40 | 41 | | | | |
| | 260 | 52 | 42 | 38 | 33 | 27 | 21 | 57 | 49 | 43 | 37 | 33 | 29 | 59 | 53 | 46 | 40 | 36 | 34 | 64 | 59 | 51 | 45 | 42 | 43 | | | | |
| | 330 | 55 | 44 | 41 | 35 | 29 | 22 | 59 | 51 | 46 | 39 | 34 | 30 | 62 | 55 | 49 | 42 | 38 | 35 | 67 | 61 | 54 | 47 | 43 | 44 | | | | |
| | 425 | 58 | 46 | 44 | 37 | 30 | 23 | 62 | 53 | 49 | 42 | 36 | 31 | 65 | 57 | 52 | 44 | 39 | 37 | 69 | 63 | 57 | 49 | 45 | 45 | | | | |
| | 472 | * | * | * | * | * | * | 63 | 54 | 50 | 43 | 37 | 32 | 66 | 58 | 53 | 45 | 40 | 37 | 71 | 64 | 58 | 50 | 46 | 46 | | | | |
| 10 | 236 | 52 | 43 | 39 | 33 | 27 | 21 | 55 | 49 | 45 | 39 | 33 | 28 | 57 | 52 | 48 | 43 | 36 | 33 | 60 | 57 | 54 | 50 | 42 | 40 | | | | |
| | 330 | 55 | 46 | 40 | 34 | 28 | 22 | 59 | 51 | 46 | 40 | 34 | 30 | 61 | 55 | 50 | 44 | 38 | 34 | 64 | 60 | 56 | 50 | 43 | 42 | | | | |
| | 425 | 58 | 48 | 42 | 35 | 29 | 24 | 61 | 54 | 48 | 41 | 35 | 31 | 63 | 57 | 51 | 45 | 39 | 36 | 67 | 62 | 57 | 51 | 44 | 43 | | | | |
| | 519 | * | * | * | * | * | * | 63 | 55 | 49 | 42 | 36 | 32 | 65 | 58 | 52 | 45 | 39 | 37 | 69 | 64 | 58 | 52 | 45 | 44 | | | | |
| | 614 | * | * | * | * | * | * | 65 | 57 | 49 | 42 | 37 | 33 | 67 | 60 | 53 | 46 | 40 | 38 | 71 | 65 | 59 | 52 | 46 | 45 | | | | |
| 12 | 330 | 47 | 41 | 35 | 26 | 22 | 19 | 53 | 47 | 40 | 32 | 29 | 27 | 56 | 51 | 42 | 35 | 33 | 32 | 62 | 57 | 46 | 41 | 39 | 41 | | | | |
| | 472 | 51 | 44 | 40 | 31 | 25 | 21 | 57 | 50 | 44 | 36 | 32 | 29 | 60 | 54 | 47 | 40 | 35 | 34 | 66 | 61 | 51 | 45 | 42 | 43 | | | | |
| | 614 | 54 | 46 | 43 | 34 | 27 | 22 | 60 | 53 | 47 | 39 | 34 | 31 | 63 | 57 | 50 | 43 | 37 | 35 | 69 | 63 | 54 | 49 | 44 | 44 | | | | |
| | 755 | 56 | 48 | 46 | 36 | 29 | 23 | 62 | 55 | 50 | 42 | 35 | 32 | 65 | 59 | 52 | 45 | 39 | 37 | 71 | 65 | 57 | 51 | 45 | 45 | | | | |
| | 897 | * | * | * | * | * | * | 64 | 56 | 52 | 44 | 36 | 33 | 67 | 60 | 55 | 47 | 40 | 37 | 73 | 67 | 59 | 53 | 47 | 46 | | | | |
| 14 | 472 | 51 | 44 | 38 | 33 | 30 | 25 | 57 | 51 | 43 | 38 | 35 | 33 | 60 | 54 | 46 | 41 | 38 | 37 | 66 | 60 | 52 | 47 | 44 | 45 | | | | |
| | 696 | 55 | 48 | 42 | 36 | 33 | 27 | 61 | 54 | 48 | 41 | 38 | 35 | 64 | 57 | 51 | 44 | 41 | 39 | 70 | 64 | 56 | 50 | 46 | 47 | | | | |
| | 991 | 59 | 50 | 46 | 38 | 35 | 29 | 64 | 57 | 51 | 44 | 40 | 36 | 68 | 60 | 55 | 47 | 43 | 41 | 73 | 66 | 60 | 52 | 48 | 48 | | | | |
| | 1144 | * | * | * | * | * | * | 66 | 58 | 53 | 45 | 41 | 37 | 69 | 61 | 56 | 48 | 44 | 42 | 75 | 68 | 61 | 53 | 49 | 49 | | | | |
| | 1369 | * | * | * | * | * | * | 67 | 59 | 55 | 46 | 42 | 38 | 71 | 63 | 58 | 49 | 45 | 42 | 77 | 69 | 63 | 55 | 50 | 50 | | | | |
| 16 | 566 | 51 | 44 | 37 | 31 | 26 | 24 | 56 | 51 | 42 | 36 | 31 | 31 | 59 | 55 | 45 | 39 | 34 | 35 | 65 | 61 | 51 | 44 | 39 | 41 | | | | |
| | 838 | 55 | 47 | 42 | 35 | 31 | 29 | 60 | 53 | 48 | 40 | 36 | 35 | 63 | 57 | 51 | 43 | 39 | 39 | 69 | 64 | 56 | 48 | 44 | 46 | | | | |
| | 1109 | 57 | 49 | 46 | 38 | 35 | 32 | 63 | 55 | 52 | 43 | 40 | 39 | 66 | 59 | 55 | 46 | 42 | 43 | 72 | 66 | 60 | 51 | 47 | 49 | | | | |
| | 1321 | * | * | * | * | * | * | 65 | 57 | 54 | 45 | 42 | 41 | 68 | 60 | 57 | 48 | 45 | 45 | 73 | 67 | 63 | 53 | 49 | 51 | | | | |
| | 1652 | * | * | * | * | * | * | 67 | 58 | 57 | 47 | 45 | 43 | 70 | 62 | 60 | 50 | 48 | 47 | 76 | 68 | 66 | 55 | 52 | 54 | | | | |

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017.
3. All data are application ratings. Application ratings are outside the scope of the AHRI 880 Certification Program.
4. Asterisks (*) indicate minimum static pressure of the unit exceeds the minimum operating pressure across the unit.
5. Dashes (-) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.