

Group: **Unit Ventilator**Type: **Sound Data**Date: **October 2013**

Daikin Unit Ventilators “F” Vintage Sound Power Ratings

Table 1-1 – Unit Ventilator Sound Power Ratings
dB - 1/3 Octave

| Unit Series | Speed | Nominal cfm | Sound Power dB - re: 10 -12 watts | | | | | | |
|-------------|--------|----------------|-----------------------------------|----------|----------|-----------|-----------|-----------|-----------|
| | | | 2 125 | 3 250 | 4 500 | 5 1000 | 6 2000 | 7 4000 | 8 8000 |
| S07 | High | 750 | 57.4 | 51.8 | 52.5 | 52.6 | 51.2 | 46.9 | 35.2 |
| | Medium | 650 | 50.1 | 44.9 | 45.6 | 44.8 | 42.8 | 34.2 | 19.9 |
| | Low | 525 | 45.6 | 40.4 | 40.8 | 39.1 | 35.7 | 24.4 | 12.0 |
| S10 | High | 1020 | 57 | 52.8 | 53.9 | 53.7 | 51.5 | 46.8 | 35.9 |
| | Medium | 890 | 52.9 | 48.6 | 50.2 | 49.6 | 46.5 | 40.1 | 27.9 |
| | Low | 760 | 49.4 | 45.4 | 47 | 45.5 | 42 | 33.6 | 20.7 |
| S13 | High | 1240 | 62.4 | 55.2 | 55.7 | 55.3 | 54.4 | 49.7 | 38.5 |
| | Medium | 1090 | 59.3 | 52.1 | 52.5 | 51.7 | 50.4 | 44 | 31.8 |
| | Low | 930 | 55.6 | 48.6 | 49.1 | 47.2 | 45.6 | 37.1 | 24.0 |
| S15 | High | 1500 | 63.8 | 56.6 | 58 | 58.2 | 56.4 | 52.4 | 41.9 |
| | Medium | 1320 | 58.4 | 51.3 | 52.7 | 52.4 | 49.5 | 43.5 | 30.5 |
| | Low | 1120 | 54.8 | 47.6 | 49.4 | 47.5 | 44.2 | 36.2 | 21.5 |

NOTE: Test data based on a valve control unit having 3-rows of coil and no outdoor air. Sound Power data may vary based on the type of unit, number of coil rows and other external factors.

Sound tests were conducted using a qualified reverberant room per ANSI S12.31 and ANSI S12.32.

Sound test data is based on standard cfm at standard air (fixed density of air at 70°F) in accordance with ARI procedures based upon ARI 350.

Field air flow measurements must be converted to standard air to ensure proper comparison.