

AIRLIGHT STANDARD 1200 x 300 AIR MODULE PERFORMANCE DATA



2 slot, 2 way blow, active length 1135mm, 250 spigot

MANUAL SETTING 4 (100% Airflow)

| Inlet Static Pressure Pa | Airflow L/s | Throw m @ 0.75m/s | Throw m @ 0.5m/s | Throw m @ 0.25m/s | Radiated Sound Power Level, L _w (dBA re: 10 ⁻¹² W) SEE NOTE 5 |
|--------------------------|-------------|-------------------|------------------|-------------------|---|
| 10 | 90 | 1.5 | 2.0 | 2.6 | 30 |
| 20 | 120 | 2.2 | 2.9 | 3.6 | 32 |
| 30 | 140 | 2.9 | 3.6 | 4.2 | 39 |
| 35 | 150 | 3.1 | 3.7 | 4.4 | 41 |
| 40 | 160 | 3.2 | 3.8 | 4.5 | 43 |
| 50 | 180 | 3.5 | 4.1 | 4.7 | 47 |
| 60 | 190 | 3.8 | 4.4 | 4.9 | 49 |

Note: 150L/s @ 35Pa is achieved with 3m/s through 250mm diameter supply duct – recommended maximum for offices

MANUAL SETTING 3 (Approx 80% Airflow)

| Inlet Static Pressure Pa | Airflow L/s | Throw m @ 0.75m/s | Throw m @ 0.5m/s | Throw m @ 0.25m/s | Radiated Sound Power Level, L _w (dBA re: 10 ⁻¹² W) SEE NOTE 5 |
|--------------------------|-------------|-------------------|------------------|-------------------|---|
| 10 | 67 | 1.2 | 1.7 | 2.4 | 31 |
| 20 | 94 | 2.1 | 2.7 | 3.4 | 35 |
| 30 | 112 | 2.5 | 3.0 | 3.6 | 42 |
| 35 | 122 | 2.7 | 3.3 | 3.9 | 43 |
| 40 | 132 | 2.9 | 3.4 | 4.0 | 45 |
| 50 | 147 | 3.1 | 3.6 | 4.3 | 48 |
| 60 | 157 | 3.3 | 3.8 | 4.5 | 51 |

MANUAL SETTING 2 (Approx 60% Airflow)

| Inlet Static Pressure Pa | Airflow L/s | Throw m @ 0.75m/s | Throw m @ 0.5m/s | Throw m @ 0.25m/s | Radiated Sound Power Level, L _w (dBA re: 10 ⁻¹² W) SEE NOTE 5 |
|--------------------------|-------------|-------------------|------------------|-------------------|---|
| 10 | 47 | 1.1 | 1.7 | 2.6 | 34 |
| 20 | 68 | 1.7 | 2.4 | 3.1 | 36 |
| 30 | 83 | 2.2 | 2.7 | 3.4 | 42 |
| 35 | 90 | 2.4 | 2.9 | 3.5 | 44 |
| 40 | 102 | 2.6 | 3.1 | 3.7 | 46 |
| 50 | 112 | 2.8 | 3.3 | 3.9 | 49 |
| 60 | 122 | 3.0 | 3.4 | 4.0 | 51 |

MANUAL SETTING 1 (Approx 40% Airflow)

| Inlet Static Pressure Pa | Airflow L/s | Throw m @ 0.75m/s | Throw m @ 0.5m/s | Throw m @ 0.25m/s | Radiated Sound Power Level, L _w (dBA re: 10 ⁻¹² W) SEE NOTE 5 |
|--------------------------|-------------|-------------------|------------------|-------------------|---|
| 10 | 28 | 0.2 | 0.7 | 1.4 | 41 |
| 20 | 43 | 1.2 | 1.8 | 2.7 | 40 |
| 30 | 52 | 1.6 | 2.3 | 3.0 | 39 |
| 35 | 60 | 1.9 | 2.5 | 3.2 | 42 |
| 40 | 68 | 2.1 | 2.6 | 3.3 | 46 |
| 50 | 76 | 2.3 | 2.8 | 3.5 | 51 |
| 60 | 85 | 2.5 | 3.0 | 3.6 | 55 |

VAV MINIMUM (Approx 20% Airflow)

| Inlet Static Pressure Pa | Airflow L/s | Throw m @ 0.75m/s | Throw m @ 0.5m/s | Throw m @ 0.25m/s | Radiated Sound Power Level, L _w (dBA re: 10 ⁻¹² W) SEE NOTE 5 |
|--------------------------|-------------|-------------------|------------------|-------------------|---|
| 10 | 12 | - | 0.1 | 0.5 | 41 |
| 20 | 18 | 0.2 | 0.8 | 1.4 | 41 |
| 30 | 23 | 0.6 | 1.8 | 2.5 | 40 |
| 35 | 27 | 0.9 | 2.0 | 2.7 | 40 |
| 40 | 35 | 1.1 | 2.2 | 2.8 | 40 |
| 50 | 40 | 1.9 | 2.8 | 2.9 | 44 |
| 60 | 45 | 2.0 | 3.0 | 3.6 | 48 |

NOTES;

1. Pressure, flow and sound levels have been measured directly. Throws have been interpolated and calculated from test data. Full size fitting and type testing have been used.
2. Tests were performed with isothermal supply air. Throws and drops may vary with differential temperature.
3. Throws and drops may vary with different ceiling materials and due to the effect of adjacent supply air diffusers.
4. Inlet static pressure is the total pressure drop from the inlet of the spigot to room free air.
5. Sound measurements are Radiated Sound Power Level L_w (dBA re: 10⁻¹²W). Sound Pressure Level (dBA) and NC rating will depend on several factors including spectral components making up the sound and the space effect of the room.
6. We are continually developing and retesting our products. Specifications and performance data is subject to change without notice.