

*Your proven answer
to soundproof ventilation
in noise affected buildings.*



140mm Passive Acoustic Wall Ventilator- Premium

Product Code: 11-51-01



Best new product
DesignBuild Australasia



Top 10 Eco Product in the USA
Sustainable Building Magazines



Silver Medal
International Salon des Inventions.
Geneve, Switzerland

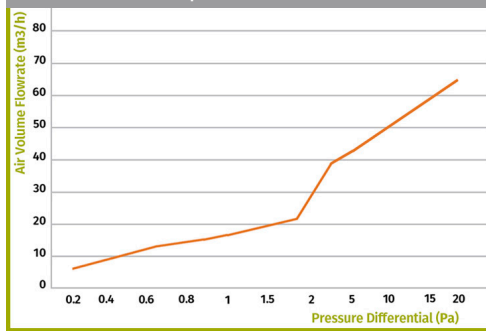
Information

The Silenceair 140mm Premium - Passive Acoustic Wall ventilator is designed for use in severe noise pollution locations, such as near Airports, busy arterial roads and train lines. The unit has additional attenuators added to further increase noise reduction. The unit is designed to install in the same manner as the 140mm standard unit.

The unit is robust and can be screwed, glued or set into position without affecting performance. It is made from engineering grade PP and contains recycled materials. Silenceair is fully recyclable, is UV stabilised and contains spread of flame and smoke inhibitors.

The Silenceair 140mm Premium unit is ideal for keeping noise INSIDE a room, such as band room or home theatre room, whilst still allowing external fresh air to enter the room. In conjunction with an air extraction or supply system, code compliant acoustic ventilation can be achieved at minimal cost and ease of construction.

Superior Airflow

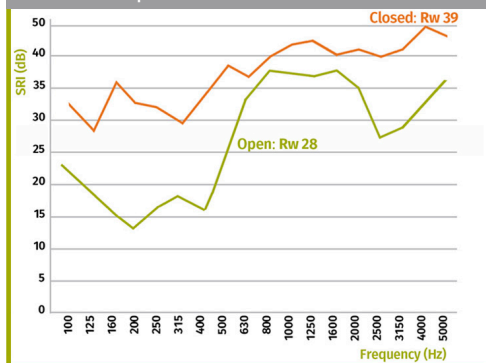


Tabulate Airflow Performance

Pressure Drop (Pa)	m ³ /h	l/s
0.20	5.4	1.5
0.40	8.6	2.4
0.60	10.8	3
0.80	12.3	3.4
1.00	13.3	3.7
1.50	15.8	4.4
2.00	19	5.3
5.00	31.3	8.7
10.00	37.8	10.5
15.00	45	12.5
20.00	54.3	15.1

The airflow performance graph and table above shows how much air flows through the Silenceair acoustic attenuation device at different air pressures. For example, when the air pressure differential is 0.20 Pascals, air will flow through the device at 6 cubic metres an hour, or 1.6 litres per second.

Superior Noise Reduction

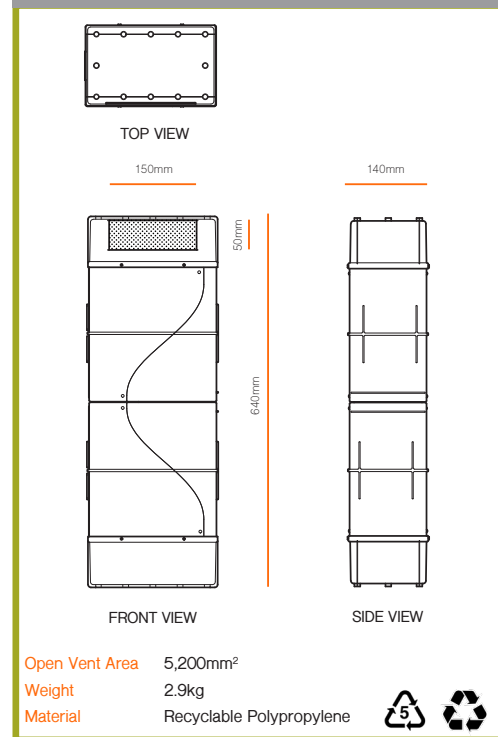


Data Table SRI, dB re 20 µPa

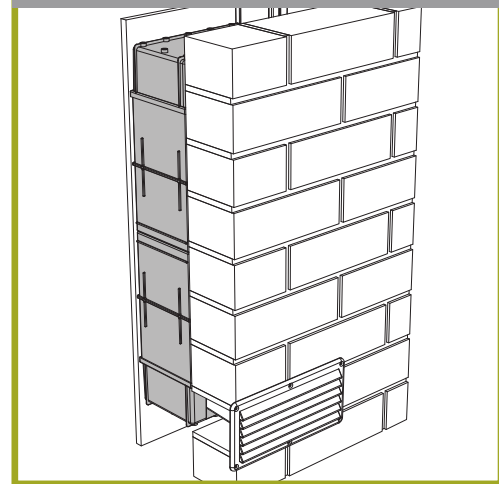
Frequency (Hz)	Vent Open	Vent Closed
100	22.6	30.2
125	18.3	26.1
160	9.5	34.2
200	7.6	32.7
250	16.2	32.0
315	18.3	28.5
400	16.2	33.9
500	24.8	36.2
630	33.2	35.2
800	37.3	38.0
1000	37.2	42.3
1250	37.0	42.8
1600	37.8	38.1
2000	35.1	40.7
2500	27.1	37.8
3150	28.1	41.1
4000	33.4	48.3
5000	35.9	44.1

The noise reduction graph and table above show the reduction in sound power levels through the Silenceair acoustic attenuation device. Over the spectrum from 100hz to 5000hz the Silenceair acoustic ventilator has a Rw39 when adjustable louvre is closed.

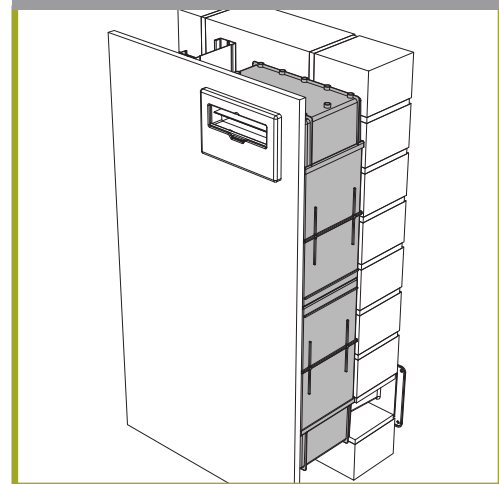
Dimensions



Exterior View-Section



Interior View-Section



Silenceair International Pty Lid reserves the right to reissue performance data without notice.

For more information please contact

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