

Specification Data sheet

DB-44AWV (High rise acoustic wall vent)



Tube: 127mm (5") Dia. x 358mm L.
panel: 172mm L x 172mm H.

Sound reduced by 44 dB with internal grille fully open and 50 dB when closed ($D_{n,e,w}$) (tested by BRE Acoustics).
7,700mm² (77cm²) equivalent area (tested to BS EN 13141-1:2004 and independently verified by the BRE).

Rating according to BS EN ISO 717-1:1997						
$D_{n,e,w}(C;C_{tr}) = 44 (0;-2) \text{ dB}$	$C_{50-3150}$	= 0 dB	$C_{50-5000}$	= 1 dB	$C_{100-5000}$	= 1 dB
	$C_{tr,50-3150}$	= -	$C_{tr,50-5000}$	= -	$C_{tr,100-5000}$	= -2 dB
<small>Evaluation based on laboratory measurement results obtained by an engineering method</small>						
<small>Based on the data provided in BS EN 20140-2:1993 it is estimated that the measurement uncertainty should not exceed ± 1 dB for the single quantity ($D_{n,e,w}$) and should not exceed the values in Table A1 of BS EN 20140-2:1993 for the data in the individual third octaves ($D_{n,e,w}$)</small>						

Frequency (Hz)	$D_{n,e}$ One-third octave (dB)
50	24.7
63	25.7
80	31.6
100	40.3
125	43.3
160	46.3
200	42.7
250	36.4
315	36.4
400	38.4
500	37.1
630	39.6
800	40.0
1,000	44.8
1,250	54.9
1,600	60.8
2,000	55.9
2,500	56.7
3,150	62.8
4,000	69.5
5,000	72.6

