

Acoustic Performance for Large Attenuated Unit



Acoustic Performance for Attenuated Unit - Louvre and Attenuator in One Case (Unit Size: 755mm Wide x 1955mm High)				
Attenuator Lengths mm	$D_{n,e,w}(C;C_{tr})$	$R_w(C;C_{tr})$	Free Area %	Free Area m ²
150	17 (-1; -1) dB	9 (0; -1) dB	47	0.70
150	17 (0; -1) dB	10 (-1; -1) dB	44	0.65
150	18 (-1; -2) dB	10 (0; -1) dB	41	0.60
150	18 (0; -1) dB	11 (-1; -1) dB	37	0.55
150	19 (-1; -1) dB	11 (0; -1) dB	34	0.50
150	20 (-1; -2) dB	12 (0; -1) dB	30	0.45
150	20 (0; -1) dB	13 (0; -2) dB	27	0.40
150	21 (0; -1) dB	14 (-1; -2) dB	24	0.35
300	21 (-1; -2) dB	13 (-1; -2) dB	47	0.70
300	22 (-1; -2) dB	15 (-1; -3) dB	41	0.60
300	24 (-1; -3) dB	16 (0; -2) dB	34	0.50
300	28 (-1; -4) dB	20 (-1; -4) dB	24	0.35
450	24 (-1; -3) dB	17 (-1; -4) dB	47	0.70
450	26 (-1; -4) dB	18 (-1; -3) dB	41	0.60
450	28 (-1; -4) dB	21 (-1; -5) dB	31	0.50
450	32 (-2; -6) dB	25 (-2; -6) dB	24	0.35
600	27 (-2; -4) dB	20 (-2; -5) dB	47	0.70
600	29 (-1; -5) dB	22 (-2; -5) dB	41	0.60
600	32 (-2; -6) dB	24 (-2; -5) dB	31	0.50
600	36 (-2; -6) dB	29 (-2; -7) dB	24	0.35

As tested by Sound Research Laboratory in accordance with BS EN ISO 10140-2:2010
NB: Increasing the height will have a minimal effect on the attenuation.

Acoustic Performance for Small Attenuated Unit



Acoustic Performance for Attenuated Unit - Louvre and Attenuator in One Case (Unit Size: 400mm Wide x 1800mm High)					
Test	Attenuator Lengths mm	$D_{n,e,w}(C;C_{tr})$	$R_w(C;C_{tr})$	Free Area %	Free Area m ²
1	150	20 (-1; -1) dB	10 (-1; -1) dB	50	0.36
2	150	22 (-1; -1) dB	11 (0; 0) dB	38	0.27
3	150	25 (-1; -1) dB	15 (-1; -1) dB	25	0.18
4	150	31 (-1; -2) dB	21 (-1; -2) dB	13	0.09
5	300	23 (0; -1) dB	13 (0; -1) dB	50	0.36
6	300	26 (0; -1) dB	16 (-1; -1) dB	38	0.27
7	300	31 (-1; -3) dB	21 (-1; -3) dB	25	0.18
8	300	38 (-1; -4) dB	28 (-1; -4) dB	13	0.09
9	450	27 (-1; -2) dB	17 (-1; -2) dB	50	0.36
10	450	31 (-1; -3) dB	20 (-1; -2) dB	38	0.27
11	450	37 (-2; -4) dB	27 (-2; -4) dB	25	0.18
12	450	43 (-1; -4) dB	33 (-1; -4) dB	13	0.09
13	600	29 (-1; -2) dB	19 (-1; -2) dB	50	0.36
14	600	34 (-1; -3) dB	24 (-1; -2) dB	38	0.27
15	600	41 (-1; -5) dB	31 (-1; -5) dB	25	0.18
16	600	50 (-3; -8) dB	40 (-3; -8) dB	13	0.09

As tested by Sound Research Laboratory in accordance with BS EN ISO 10140-2:2010

NB: Increasing the height will have a minimal effect on the attenuation.