

Table de selection

Air flow (m³/h)	L x H Ak [m²]	200 X 100	300 X 100	400 X 200	300 X 300	400 X 300	500 X 300	600 X 300	600 X 400
		0.0099	0.0245	0.0447	0.0507	0.0681	0.0856	0.1031	0.138
50	Veff[m/s] NR [dB(A)] ΔPt [Pa]	1.4 30.0 10.0							
60	Veff[m/s] NR [dB(A)] ΔPt [Pa]	1.7 35.0 14.0	0.7 13.0 2.0						
70	Veff[m/s] NR [dB(A)] ΔPt [Pa]	2.0 39.0 19.0	0.8 16.0 3.0						
80	Veff[m/s] NR [dB(A)] ΔPt [Pa]	2.2 42.0 24.0	0.9 20.0 4.0						
90	Veff[m/s] NR [dB(A)] ΔPt [Pa]	2.5 45.0 31.0	1.0 23.0 5.0	0.6 8.0 2.0					
100	Veff[m/s] NR [dB(A)] ΔPt [Pa]	2.8 48.0 38.0	1.1 25.0 6.0	0.6 10.0 2.0					
120	Veff[m/s] NR [dB(A)] ΔPt [Pa]	3.4 52.0 55.0	1.4 30.0 9.0	0.7 15.0 3.0	0.7 12.0 2.0				
140	Veff[m/s] NR [dB(A)] ΔPt [Pa]		1.6 34.0 12.0	0.9 19.0 4.0	0.8 16.0 3.0	0.6 8.0 2.0			
160	Veff[m/s] NR [dB(A)] ΔPt [Pa]		1.8 37.0 16.0	1.0 22.0 5.0	0.9 19.0 4.0	0.7 12.0 2.0			
180	Veff[m/s] NR [dB(A)] ΔPt [Pa]		2.0 40.0 20.0	1.1 25.0 6.0	1.0 22.0 5.0	0.7 15.0 3.0	0.6 9.0 2.0		
200	Veff[m/s] NR [dB(A)] ΔPt [Pa]		2.3 43.0 25.0	1.2 28.0 8.0	1.1 25.0 6.0	0.8 17.0 3.0	0.6 12.0 2.0		
250	Veff[m/s] NR [dB(A)] ΔPt [Pa]		2.8 48.0 39.0	1.6 33.0 12.0	1.4 30.0 9.0	1.0 23.0 5.0	0.8 17.0 3.0	0.7 13.0 2.0	
300	Veff[m/s] NR [dB(A)] ΔPt [Pa]		3.4 53.0 57.0	1.9 38.0 17.0	1.6 35.0 13.0	1.2 27.0 7.0	1.0 22.0 5.0	0.8 17.0 3.0	
350	Veff[m/s] NR [dB(A)] ΔPt [Pa]			2.2 42.0 23.0	1.9 38.0 18.0	1.4 31.0 10.0	1.1 26.0 6.0	0.9 21.0 4.0	0.7 14.0 2.0
400	Veff[m/s] NR [dB(A)] ΔPt [Pa]			2.5 45.0 30.0	2.2 42.0 24.0	1.6 34.0 13.0	1.3 29.0 8.0	1.1 24.0 6.0	0.8 17.0 3.0
500	Veff[m/s] NR [dB(A)] ΔPt [Pa]			3.1 50.0 47.0	2.7 47.0 37.0	2.0 40.0 20.0	1.6 34.0 13.0	1.3 30.0 9.0	1.0 23.0 5.0
600	Veff[m/s] NR [dB(A)] ΔPt [Pa]				3.3 52.0 53.0	2.4 45.0 29.0	1.9 39.0 19.0	1.6 34.0 13.0	1.2 27.0 7.0
700	Veff[m/s] NR [dB(A)] ΔPt [Pa]					2.9 48.0 40.0	2.3 43.0 25.0	1.9 38.0 17.0	1.4 31.0 10.0
800	Veff[m/s] NR [dB(A)] ΔPt [Pa]					3.3 52.0 52.0	2.6 46.0 33.0	2.2 41.0 23.0	1.6 34.0 13.0
900	Veff[m/s] NR [dB(A)] ΔPt [Pa]						2.9 49.0 42.0	2.4 44.0 29.0	1.8 37.0 16.0
1000	Veff[m/s] NR [dB(A)] ΔPt [Pa]						3.2 52.0 52.0	2.7 47.0 36.0	2.0 40.0 20.0
1200	Veff[m/s] NR [dB(A)] ΔPt [Pa]							3.2 52.0 51.0	2.4 44.0 29.0
1400	Veff[m/s] NR [dB(A)] ΔPt [Pa]								2.8 48.0 39.0
1600	Veff[m/s] NR [dB(A)] ΔPt [Pa]								3.2 51.0 51.0

"n" - NR < 35

"n" - 35≤NR≤45

"n" - NR>45

Annotation
*Ak [m²] - Free surface of the grille
*Veff[m/s] - Air velocity in grille
*NR [dB(A)] - Noise level without the room attenuation
*ΔPt [pa] - Pressure loss