

Table de selection

Air flow (m³/h)	LxH	200 x 100	300 x 150	400 x 200	300 x 300	500 x 300	600 x 300	800 x 300	600 x 600	1000 x 600
	Ak [m²]	0.0106	0.0290	0.0560	0.0650	0.1140	0.1390	0.1880	0.2920	0.5010
100	Veff	2.6	1.0	0.5						
	NR [dB(A)]	22.0	11.0	5.0						
	ΔPt [pa]	12.8	1.6	0.4						
200	Veff	5.2	1.9	1.0	0.9	0.5				
	NR [dB(A)]	37.0	19.0	12.0	9.0	4.0				
	ΔPt [pa]	51.0	6.5	1.7	1.4	0.4				
300	Veff		2.9	1.5	1.3	0.7	0.6			
	NR [dB(A)]		24.0	16.0	13.0	8.0	5.0			
	ΔPt [pa]		15.0	4.2	2.8	1.1	0.6			
400	Veff		3.8	2.0	1.7	1.0	0.8	0.6		
	NR [dB(A)]		29.0	18.0	17.0	9.0	8.0	4.0		
	ΔPt [pa]		26.5	7.0	5.1	1.8	1.2	0.6		
500	Veff		4.8	2.5	2.1	1.2	1.0	0.7		
	NR [dB(A)]		35.0	21.0	21.0	11.0	10.0	6.0		
	ΔPt [pa]		41.0	11.0	8.2	2.5	1.8	1.0		
600	Veff		5.7	3.0	2.6	1.5	1.2	0.9	0.6	
	NR [dB(A)]		39.0	25.0	24.0	16.0	11.0	8.0	5.0	
	ΔPt [pa]		60.5	16.0	11.5	4.0	2.6	1.4	0.7	
700	Veff			3.5	3.0	1.7	1.4	1.0	0.7	
	NR [dB(A)]			29.0	26.0	17.0	13.0	10.0	6.0	
	ΔPt [pa]			21.0	16.0	5.4	3.5	2.1	0.8	
800	Veff			4.0	3.4	1.9	1.6	1.2	0.8	
	NR [dB(A)]			32.0	30.0	19.0	14.0	11.0	8.0	
	ΔPt [pa]			29.0	20.5	6.5	4.6	2.7	1.0	
900	Veff			4.5	3.8	2.2	1.8	1.3	0.9	0.5
	NR [dB(A)]			34.0	31.0	21.0	16.0	12.0	9.0	3.0
	ΔPt [pa]			36.0	27.0	8.5	5.8	3.4	1.2	0.5
1000	Veff				4.3	2.4	2.0	1.5	1.0	0.6
	NR [dB(A)]				33.0	21.0	18.0	16.0	12.0	6.0
	ΔPt [pa]				34.0	10.5	7.5	3.6	1.5	0.5
1500	Veff				6.4	3.7	3.0	2.2	1.4	0.8
	NR [dB(A)]				44.0	30.0	24.0	21.0	17.0	11.0
	ΔPt [pa]				73.0	24.0	16.0	8.8	3.8	1.2
2000	Veff					4.9	4.0	3.0	1.9	1.1
	NR [dB(A)]					35.0	31.0	26.0	19.0	16.0
	ΔPt [pa]					42.0	28.5	16.5	7.0	2.3
3000	Veff					7.3	6.0	4.4	2.9	1.7
	NR [dB(A)]					47.5	42.0	31.0	25.0	18.0
	ΔPt [pa]					74.0	67.0	35.0	14.2	4.8
4000	Veff							5.9	3.8	2.2
	NR [dB(A)]							42.0	29.0	20.0
	ΔPt [pa]							64.0	25.0	8.5
5000	Veff								4.8	2.8
	NR [dB(A)]								33.0	23.0
	ΔPt [pa]								40.0	14.0
6000	Veff								5.7	3.3
	NR [dB(A)]								39.0	28.0
	ΔPt [pa]								61.0	21.0
7000	Veff								6.7	3.9
	NR [dB(A)]								55.0	29.0
	ΔPt [pa]								80.0	26.0
8000	Veff									4.4
	NR [dB(A)]									34.0
	ΔPt [pa]									36.0
9000	Veff									5.0
	NR [dB(A)]									36.0
	ΔPt [pa]									46.0

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