

Single deflection grille for rectangular ducts

SD-R



Specifications

Grille with one row of vertical blades, individually adjustable.
Specially designed for mounting on rectangular ducts.

Used for exhaust, supply or recirculation, in ventilation systems.

Material

Galvanised steel frame.
Aluminium blades.

Finish

Standard finish: galvanised steel / natural aluminium.

Mounting / Fixing

Mounting on rectangular ducts.
Fixing with visible screws (countersunk hole in frame).

Optional accessories

Opposed blade damper - **OBD** (extra cost).

Order code: **SD-R** **aaa x bbb + ***

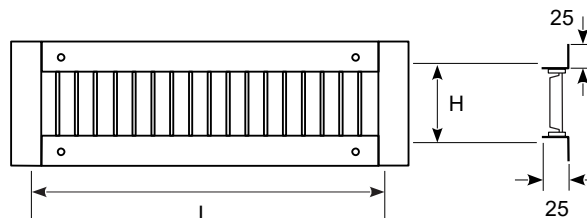
Product code

duct opening length L (mm)

duct opening height H (mm)

* optional accessories

Technical data



LxH - opening hole size according to codification
Grille neck size: (L-15) x (H-15)

Standard sizes

LxH	Q (m³/h) @ V _{ef} = 3.5 (m/s)
225x75	130
325x75	175
425x75	240
525x75	300
625x75	360
825x75	480
325x125	330
425x125	440
525x125	540
625x125	650
825x125	870
1025x125	1080
1225x125	1300
425x175	650
525x175	820
625x175	970
825x175	1300
1025x175	1600
1225x175	1940
625x225	1270
825x225	1680
1025x225	2100
1225x225	2530

There are no other sizes available.

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Selection table

Q (m³/h)	LxH (mm) A _{ef} (m²)	225x75	325x75	425x75	525x75	625x75	825x75	325x125	425x125	525x125	625x125	825x125	1025x125	1225x125	425x175	525x175	625x175	825x175	1025x175	1225x175	625x225	825x225	1025x225	1225x225
		0,008	0,011	0,015	0,018	0,023	0,030	0,021	0,027	0,034	0,041	0,056	0,069	0,084	0,038	0,047	0,058	0,077	0,095	0,116	0,082	0,108	0,136	0,164
100	Lt(m) Lw(dB(A)) ΔPt(Pa)	3.8 16 3																						
150	Lt(m) Lw(dB(A)) ΔPt(Pa)	5.9 24 6	4.3 16 3	3.7 15 3																				
200	Lt(m) Lw(dB(A)) ΔPt(Pa)	7.6 27 8	5.9 23 5	5.6 22 5	5.5 19 4																			
250	Lt(m) Lw(dB(A)) ΔPt(Pa)		7.7 28 8	6.8 27 8	6.5 24 5																			
300	Lt(m) Lw(dB(A)) ΔPt(Pa)			10.5 32 11	8.0 28 7	7.0 22 4		7.0 23 4																
400	Lt(m) Lw(dB(A)) ΔPt(Pa)				11.3 32 11	8.6 28 6	8.2 24 5	8.8 29 7	8.5 26 6	5.9 21 4														
500	Lt(m) Lw(dB(A)) ΔPt(Pa)					12.2 32 8	11.3 29 6	12.4 32 9	11.5 30 7	7.0 27 6	6.8 24 5				6.9 25 6									
600	Lt(m) Lw(dB(A)) ΔPt(Pa)					14.8 35 12	13.1 33 10	15.0 36 13	13.3 34 12	10.0 31 7	8.6 29 6	6.8 24 4			8.6 30 7	7.4 26 5	6.8 22 4							
800	Lt(m) Lw(dB(A)) ΔPt(Pa)						15.7 39 14			12.2 37 11	11.5 31 10	8.8 26 6	7.0 23 4	6.8 21 4	11.8 32 10	9.7 27 8	8.7 25 5	7.0 23 4			6.8 21 4			
1000	Lt(m) Lw(dB(A)) ΔPt(Pa)										13.5 40 15	11.5 33 8	10.8 30 6	9.0 27 5	13.7 41 16	12.2 35 11	11.3 32 7	10.0 29 6	8.6 24 4	7.7 21 4	9.0 27 5	8.1 23 4		
1200	Lt(m) Lw(dB(A)) ΔPt(Pa)											14.8 41 14	13.0 30 9	11.3 30 6		15.5 43 16	14.6 38 14	11.7 32 8	10.8 29 6	10.4 25 5	11.3 30 7	10.7 27 6	8.3 21 4	
1500	Lt(m) Lw(dB(A)) ΔPt(Pa)												14.4 39 10	13.2 35 8				15.2 42 15	13.3 33 6	11.7 31 6	13.2 35 8	12.6 32 6	10.8 27 5	8.8 25 4
1800	Lt(m) Lw(dB(A)) ΔPt(Pa)																		15.0 41 14	13.5 33 7	16.0 39 10	14.3 36 9	12.6 30 6	11.7 27 5
2000	Lt(m) Lw(dB(A)) ΔPt(Pa)																			14.8 36 9	17.2 44 17	15.5 39 13	14.0 32 7	12.6 29 6
2500	Lt(m) Lw(dB(A)) ΔPt(Pa)																							14.4 33 8
3000	Lt(m) Lw(dB(A)) ΔPt(Pa)																							16.8 41 14

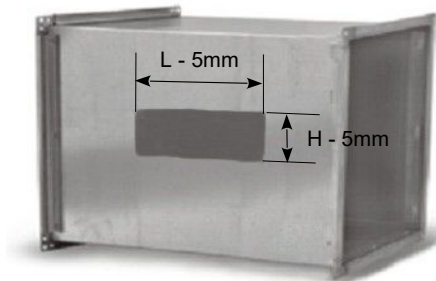
Data is valid for:

- deflection 0°, without damper
- L_w(dB(A)) without room attenuation
- Temperature difference Dt=0K

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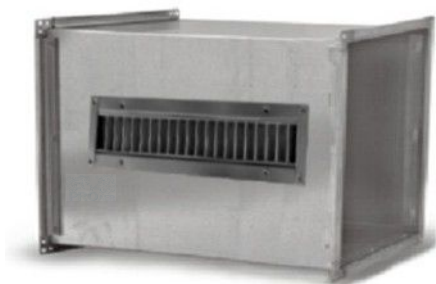
Mounting / Fixing



1. Cut the opening in rectangular duct

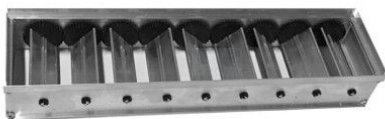
(example: for grille 525x125 cut hole 520x120)

2. Deburr the sharp edges and insert the grille in opening.



3. Fix the grille with adequate screws.
(steel self drilling screws)

Optional accessories



OBD - Opposed blade damper (extra cost).

*to be added to grille height

