

Fixed curved blade grille

SC



Detalii constructive. Utilizare.

Grille with single row of fixed, curved blades, inclined at 45°.

Used for exhaust or recirculation, in ventilation systems.

Material

Aluminium.

Finish

Standard finish: white RAL9003.

Optional finishing:

- different RAL (extra cost)
- natural aluminium

Mounting / Fixing

Mounting on the wall or ceiling (inside).

Fixing with visible screws (countersunk hole in frame).

Different fixing systems are available under certain commercial conditions.
(see **Fixing systems for grilles / diffusers**)

Optional accessories

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

Plenum box – **PL** (extra cost).

Fixing systems (extra cost).

Order code: **SC** **aaa x bbb** **+***

Product code

opening length L (mm)

opening height H (mm)

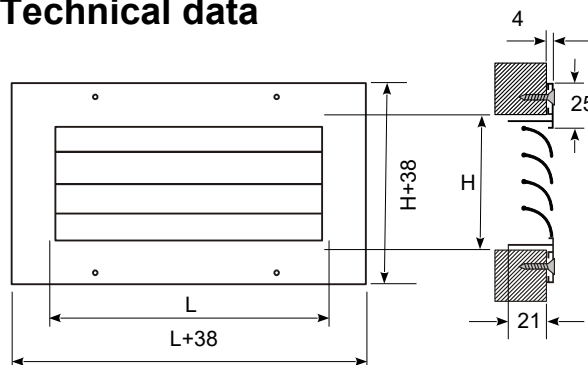
not specified - white RAL9003 (standard)

RALxxxx - optional RAL code

ALU - natural aluminium

* optional accessories

Technical data



LxH - opening hole size

Grille neck size: (L-10) x (H-10)

Standard sizes

L	H	Q (m³/h) @ Vef 2,5 (m/s)
200	100	90
300	100	140
400	100	180
500	100	225
600	100	275
400	200	430
500	200	540
600	200	640
800	200	850
1000	200	1150
300	300	500
500	300	850
600	300	1000
800	300	1370
1000	300	1720
600	400	1380
1000	400	2300
595*	595*	1710

* external dimension 595x595, for cassette ceiling system
(without mounting holes in frame)

Custom sizes

Custom sizes available (under certain commercial conditions),
between: LxH 100x100 mm ~ LxH 2000x1000 mm

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Quick selection

Q (m³/h)	LxH (mm)	200x100	250x100	150x150	300x100	200x150	400x100	250x150	300x150	200x200	250x200	400x150	300x200	250x250	500x150	600x150	400x200	500x200	300x300	600x200	400x300	350x350	500x300	400x400	600x300	600x400	595x595*	800x400	1000x400
	A _{ef} (m²)	0,010	0,013	0,016	0,020	0,025	0,030	0,035	0,043	0,050	0,058	0,070	0,075	0,094	0,102	0,112	0,153	0,190	0,204	0,255									
50	Lw(dB(A)) ΔPt(Pa)	- 2																											
100	Lw(dB(A)) ΔPt(Pa)	20 9	17 7	- 4																									
150	Lw(dB(A)) ΔPt(Pa)	28 18	23 12	18 8	16 4																								
200	Lw(dB(A)) ΔPt(Pa)		30 20	24 13	18 8	16 6																							
250	Lw(dB(A)) ΔPt(Pa)			30 20	23 12	18 8	16 6																						
300	Lw(dB(A)) ΔPt(Pa)				28 17	23 12	18 8	16 7																					
350	Lw(dB(A)) ΔPt(Pa)					26 15	21 11	17 9	14 6	- 4																			
400	Lw(dB(A)) ΔPt(Pa)						25 14	23 12	18 7	17 6																			
500	Lw(dB(A)) ΔPt(Pa)						31 20	28 17	23 11	19 8	14 5																		
600	Lw(dB(A)) ΔPt(Pa)							31 20	26 15	22 11	18 8	14 7	13 6																
800	Lw(dB(A)) ΔPt(Pa)								32 23	28 17	24 13	21 10	18 9	14 6	14 5	13 4													
1000	Lw(dB(A)) ΔPt(Pa)									32 23	28 17	26 15	21 10	18 8	17 4	- 4													
1300	Lw(dB(A)) ΔPt(Pa)										33 26	32 22	25 14	23 12	22 11	15 7	- 4												
1600	Lw(dB(A)) ΔPt(Pa)											37 33	30 20	28 18	27 16	19 9	14 6	13 5											
1800	Lw(dB(A)) ΔPt(Pa)												35 29	33 27	31 22	24 13	19 8	17 7	14 5										
2000	Lw(dB(A)) ΔPt(Pa)																26 15	21 10	19 8	17 7	14 5								
2500	Lw(dB(A)) ΔPt(Pa)																	29 18	24 13	22 12	18 8								
3000	Lw(dB(A)) ΔPt(Pa)																		29 19	28 17	23 12								
3500	Lw(dB(A)) ΔPt(Pa)																				33 24	27 16							
4000	Lw(dB(A)) ΔPt(Pa)																					30 21							

*external dimension 595x595, for cassette ceiling system

Data is valid for:

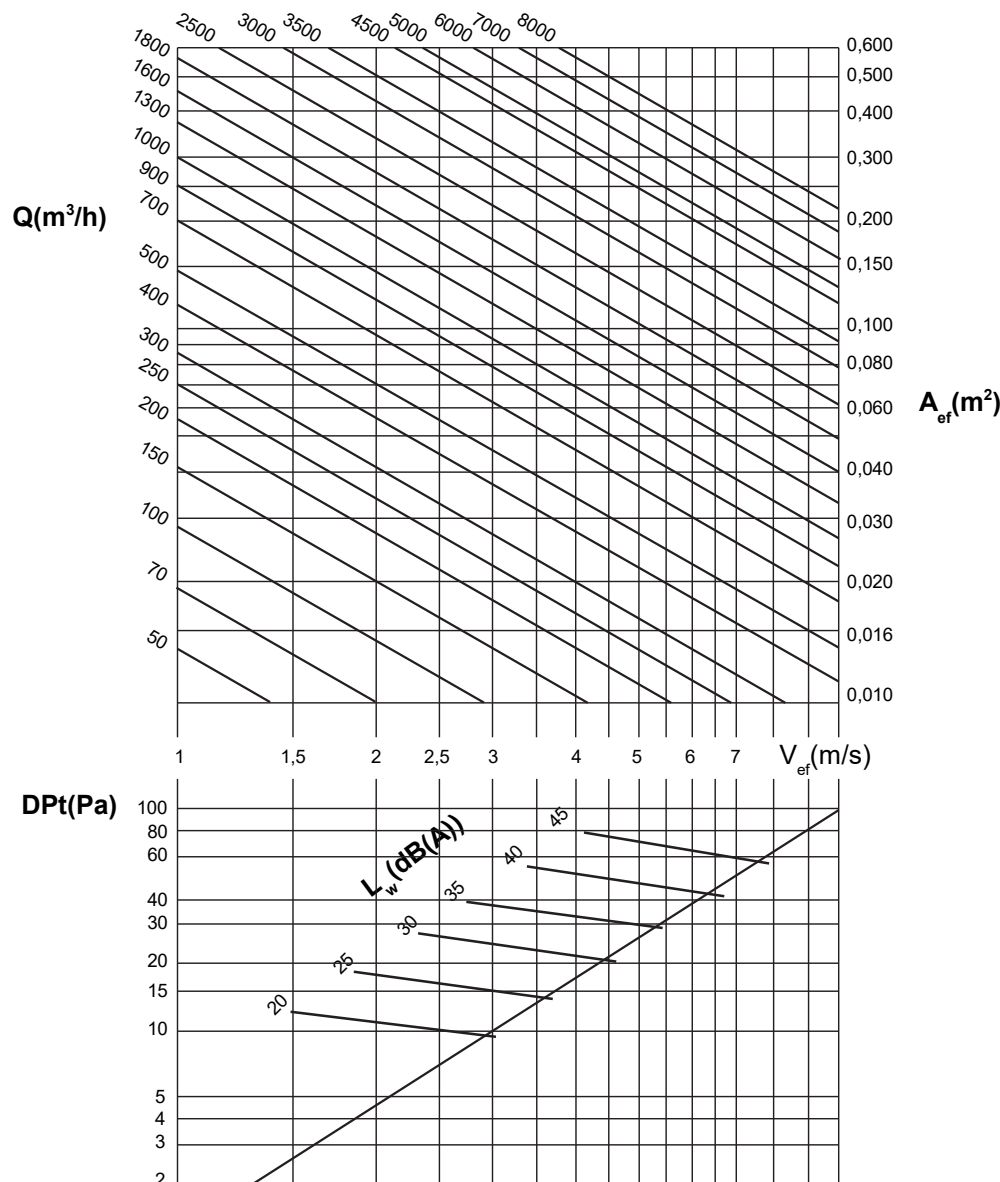
• Lw(db(A)) incl. room attenuation 5dB(A)

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Technical data

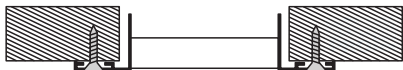
		A _{ef} (m ²)															
H (mm)	800	-	-	-	-	-	-	-	-	-	-	-	-	0,422	0,474	0,527	0,632
	700	-	-	-	-	-	-	-	-	-	-	-	0,321	0,367	0,413	0,459	0,551
	600	-	-	-	-	-	-	-	-	-	0,235	0,274	0,313	0,352	0,391	0,469	
	500	-	-	-	-	-	-	-	-	0,162	0,194	0,226	0,258	0,291	0,323	0,388	
	450	-	-	-	-	-	-	-	0,130	0,145	0,173	0,202	0,231	0,260	0,289	0,347	
	400	-	-	-	-	-	-	0,102	0,115	0,128	0,153	0,179	0,204	0,230	0,255	0,306	
	350	-	-	-	-	-	0,077	0,088	0,099	0,111	0,133	0,155	0,177	0,199	0,221	0,265	
	300	-	-	-	-	0,056	0,065	0,075	0,084	0,094	0,112	0,131	0,150	0,168	0,187	0,224	
	250	-	-	-	0,038	0,046	0,054	0,061	0,069	0,077	0,092	0,107	0,122	0,138	0,153	0,184	
	200	-	-	0,024	0,030	0,036	0,042	0,048	0,054	0,060	0,071	0,083	0,095	0,107	0,119	0,143	
	150	-	0,013	0,017	0,021	0,026	0,030	0,034	0,038	0,043	0,051	0,060	0,068	0,077	0,085	0,102	
	100	0,005	0,008	0,010	0,013	0,015	0,018	0,020	0,023	0,026	0,031	0,036	0,041	0,046	0,051	0,061	
		100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	
		L (mm)															



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Fixing



Fixing with visible screws (**standard**).
Screws are supplied at the same color as grille.

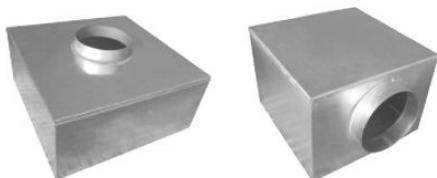
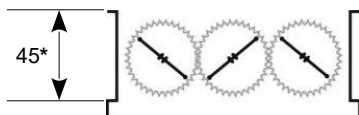
Different fixing systems are available (under certain commercial conditions).
(details in **Fixing systems for grilles / diffusers** chapter)

Optional accessories



OBD - Opposed blade damper. (extra cost)

*to be added to grille depth dimension



PL – Plenum box(extra cost)

Variants:

- uninsulated / thermal insulated
- axial or lateral spigot