

Perforated panel grille

PF



Specifications

Perforated panel grille.
Perforations Ø8 (R8 T12) (free area 40%)

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: **PF** **aaa x bbb** **+***

Product code

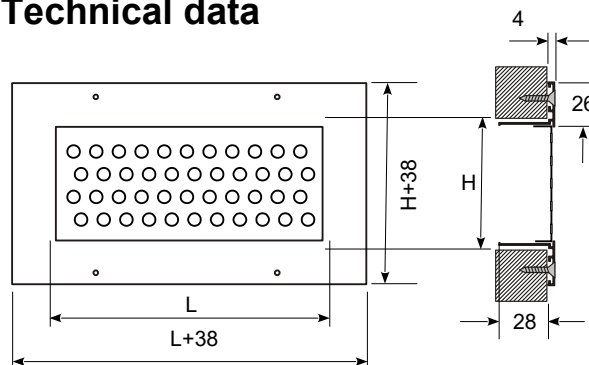
opening length L (mm)

opening height H (mm)

not specified - white RAL9003 (standard)
RALxxxx - optional RAL code

* 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)
300	300	300
350	350	420
400	400	540
450	450	700
500	500	860
550	550	1050
600	600	1250
595*	595*	1080

* 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 1200x600 mm

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Quick selection

Q (m³/h)	LxH (mm)	200x200	250x250	300x300	350x350	400x400	450x450	500x500	550x550	600x600	595x595*
	A _{gr} (m²)	0,014	0,023	0,033	0,046	0,060	0,077	0,095	0,116	0,138	0,119
100	Lw(dB(A))	15									
	ΔPt(Pa)	5									
200	Lw(dB(A))	27	15								
	ΔPt(Pa)	15	7								
300	Lw(dB(A))		26	17							
	ΔPt(Pa)		15	7							
400	Lw(dB(A))		33	24	16						
	ΔPt(Pa)		27	13	6						
600	Lw(dB(A))			33	24	17					
	ΔPt(Pa)			27	14	8					
800	Lw(dB(A))				31	24	17				
	ΔPt(Pa)				21	13	7				
1000	Lw(dB(A))					31	24	19			
	ΔPt(Pa)					22	13	9			
1200	Lw(dB(A))						28	23	20	15	17
	ΔPt(Pa)						20	12	10	7	8
1500	Lw(dB(A))							25	46	21	22
	ΔPt(Pa)							14	36	10	11
2000	Lw(dB(A))								46	28	31
	ΔPt(Pa)								34	18	22

*external dimension 595x595, for cassette ceiling system

Data is valid for:

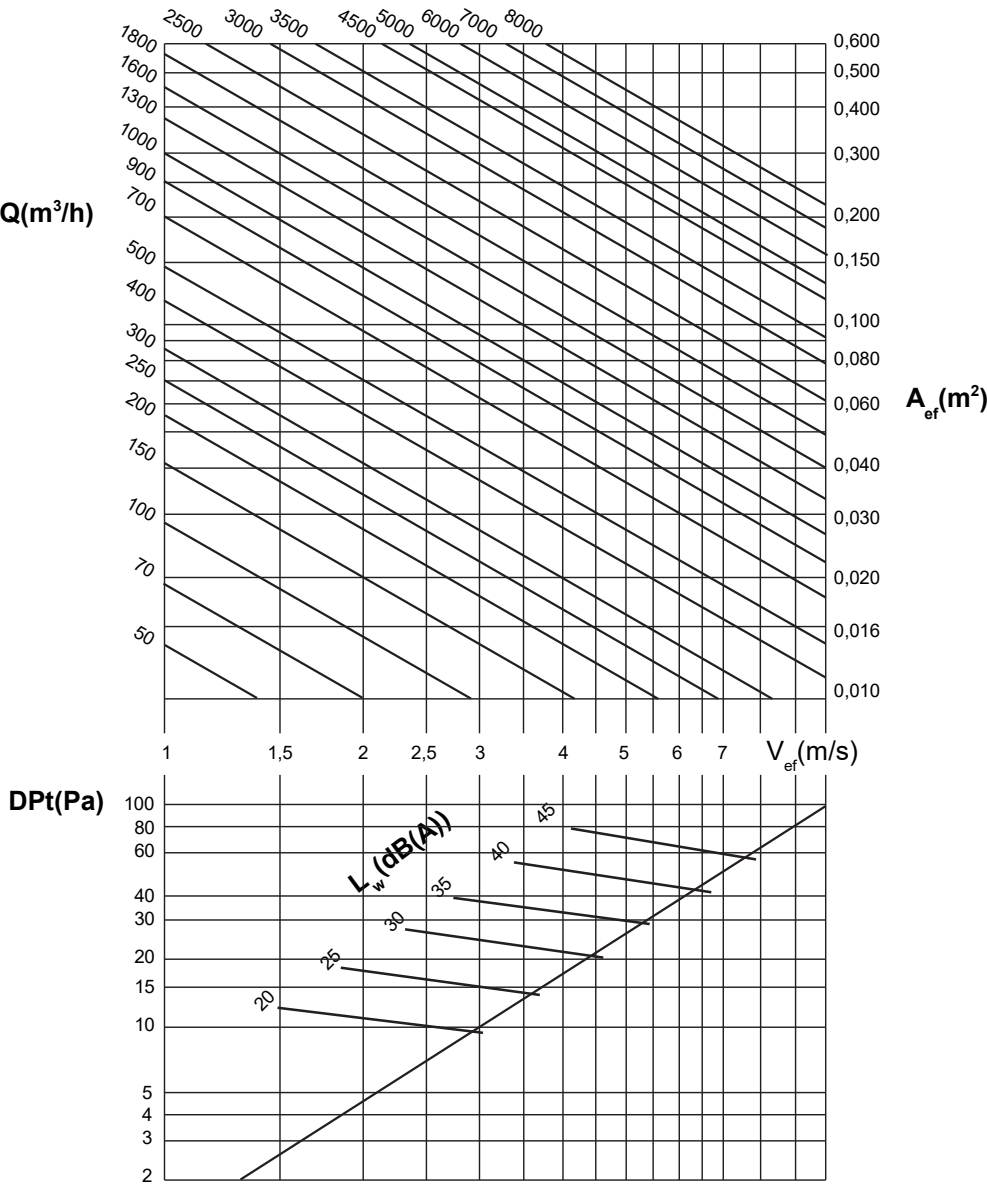
- Lw(db(A)) incl. room attenuation 5dB(A)

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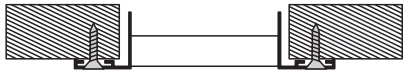
		A _{ef} (m ²)															
H (mm)	600	-	-	-	-	-	-	-	-	-	0,138	0,162	0,185	0,209	0,232	0,279	
	500	-	-	-	-	-	-	-	-	0,095	0,115	0,134	0,154	0,173	0,193	0,232	
	450	-	-	-	-	-	-	-	0,077	0,085	0,103	0,121	0,138	0,156	0,173	0,208	
	400	-	-	-	-	-	-	0,060	0,068	0,076	0,091	0,107	0,122	0,138	0,153	0,184	
	350	-	-	-	-	-	0,046	0,052	0,059	0,066	0,079	0,093	0,107	0,120	0,134	0,161	
	300	-	-	-	-	0,033	0,039	0,045	0,050	0,056	0,068	0,079	0,091	0,102	0,114	0,137	
	250	-	-	-	0,023	0,027	0,032	0,037	0,042	0,046	0,056	0,065	0,075	0,085	0,094	0,113	
	200	-	-	0,014	0,018	0,022	0,025	0,029	0,033	0,037	0,044	0,052	0,059	0,067	0,074	0,089	
	150	-	0,008	0,010	0,013	0,016	0,019	0,021	0,024	0,027	0,032	0,038	0,043	0,049	0,055	0,066	
	100	0,003	0,005	0,007	0,008	0,010	0,012	0,014	0,015	0,017	0,021	0,024	0,028	0,031	0,035	0,042	
		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.

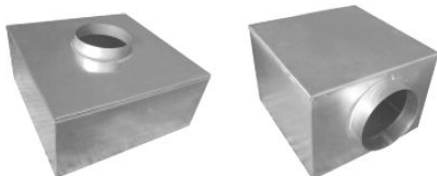
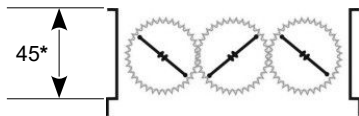
Different fixing systems are available (under certain commercial conditions).
(details in **Fixing systems for grilles / diffusers** chapter)

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