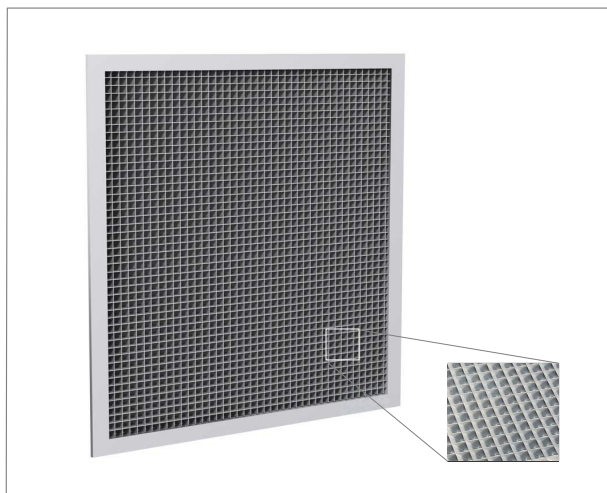


Egg crate grille (45° core)

EGC-45



Specifications

Egg crate grille with 45° core.

Used for exhaust, supply or recirculation, in ventilation systems.
Effective area 90%, square grid 12,5x12,5 mm spacing.

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: EGC-45 aaa x bbb +*

Product code

opening length L (mm)

opening height H (mm)

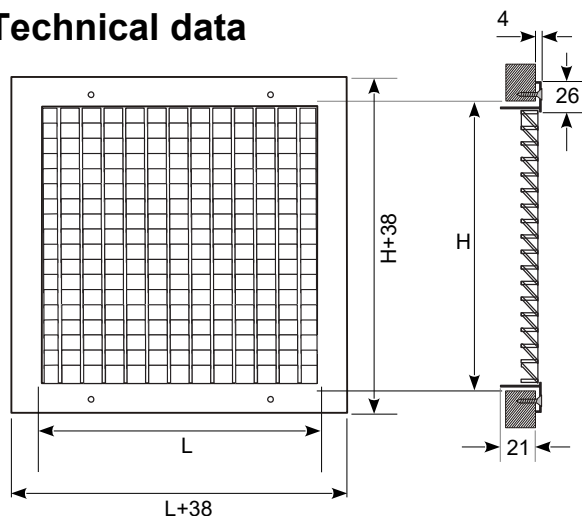
not specified - white RAL9003 (standard)

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	200	310
250	250	480
300	300	690
350	350	940
400	400	1220
450	450	1550
500	500	1920
600	600	2750
595*	595*	2290

* 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

Egg crate grille (45° core)

EGC-45

Quick selection

Q (m³/h)	LxH (mm)	200x200	250x250	300x300	350x350	400x400	450x450	500x500	595x595*	600x600
	A _{er} (m²)	0,034	0,053	0,077	0,104	0,136	0,172	0,213	0,255	0,306
300	Lw(dB(A))	-								
	ΔPt(Pa)	4								
400	Lw(dB(A))	21	-							
	ΔPt(Pa)	7	3							
600	Lw(dB(A))	29	18	-						
	ΔPt(Pa)	14	6	3						
800	Lw(dB(A))	39	27	17						
	ΔPt(Pa)	23	11	5						
1000	Lw(dB(A))		36	24	18					
	ΔPt(Pa)		18	9	6					
1200	Lw(dB(A))			28	21	16				
	ΔPt(Pa)			13	7	4				
1500	Lw(dB(A))			35	26	18	-			
	ΔPt(Pa)			18	10	6	4			
1800	Lw(dB(A))				35	23	21			
	ΔPt(Pa)				17	8	7			
2000	Lw(dB(A))				37	28	23	17		
	ΔPt(Pa)				20	13	8	5		
2500	Lw(dB(A))					33	26	20	16	-
	ΔPt(Pa)					17	11	7	5	3
3000	Lw(dB(A))						33	25	22	17
	ΔPt(Pa)						16	10	7	5
3500	Lw(dB(A))							29	26	20
	ΔPt(Pa)							14	10	7
4000	Lw(dB(A))							34	29	23
	ΔPt(Pa)							17	14	8
4500	Lw(dB(A))								33	26
	ΔPt(Pa)								17	11
5000	Lw(dB(A))								36	28
	ΔPt(Pa)								19	13

*external dimension 595x595, for cassette ceiling system

Data is valid for:

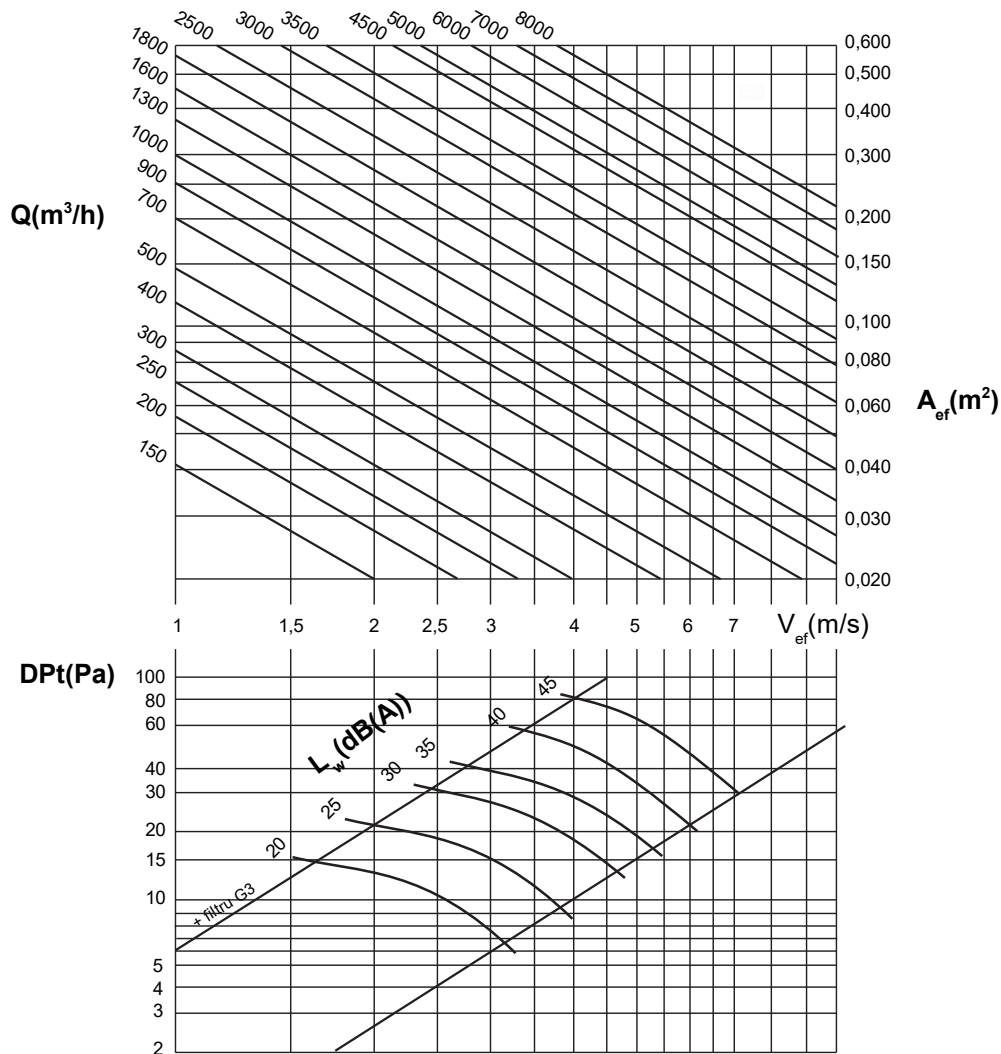
- Lw(db(A)) incl. room attenuation 5dB(A)

Egg crate grille (45° core)

EGC-45

Technical data

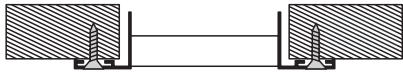
H (mm)	A _{ef} (m ²)															
	600	550	500	450	400	350	300	250	200	150	100	100	150	200	250	300
600	-	-	-	-	-	-	-	-	-	-	-	0,306	0,357	0,408	0,459	0,510
550	-	-	-	-	-	-	-	-	-	-	0,257	0,281	0,327	0,374	0,421	0,468
500	-	-	-	-	-	-	-	-	-	0,213	0,234	0,255	0,298	0,340	0,383	0,425
450	-	-	-	-	-	-	-	-	0,172	0,191	0,210	0,223	0,268	0,306	0,344	0,383
400	-	-	-	-	-	-	-	0,136	0,153	0,170	0,187	0,204	0,238	0,272	0,306	0,340
350	-	-	-	-	-	-	0,104	0,119	0,134	0,149	0,164	0,179	0,208	0,238	0,268	0,298
300	-	-	-	-	-	0,077	0,089	0,102	0,115	0,128	0,140	0,153	0,179	0,204	0,230	0,255
250	-	-	-	0,053	0,064	0,074	0,085	0,096	0,106	0,117	0,128	0,149	0,170	0,191	0,213	0,238
200	-	-	0,034	0,043	0,051	0,059	0,068	0,077	0,085	0,094	0,102	0,119	0,136	0,153	0,170	0,191
150	-	0,019	0,026	0,032	0,038	0,045	0,051	0,057	0,064	0,070	0,077	0,089	0,102	0,115	0,128	0,149
100	0,009	0,013	0,017	0,021	0,026	0,030	0,034	0,038	0,043	0,047	0,051	0,059	0,068	0,077	0,085	0,096
L (mm)																
	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	



Egg crate grille (45° core)

EGC-45

Fixing



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

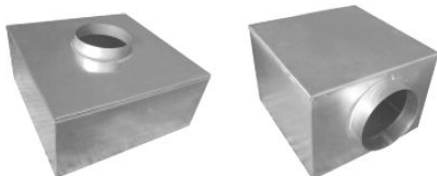
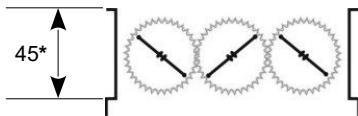
Different fixing systems are available (under certain commercial conditions).
(details in **Fixing systems for grilles / diffusers** chapter)

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