

Square ceiling diffuser

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Specifications

Square ceiling diffuser with 4-way air supply.

Used mainly for supply, in ventilation systems.

Material

Aluminium.

Finish

Standard finish: white RAL9003.

Optional finishing:
- different RAL (extra cost)

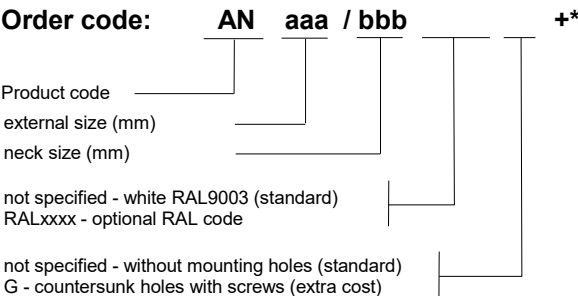
Mounting / Fixing

Mounting on standard or cassette ceiling (inside).

Standard delivery is without mounting holes in frame.
Screw fixing (at the same color) is optional (extra cost).

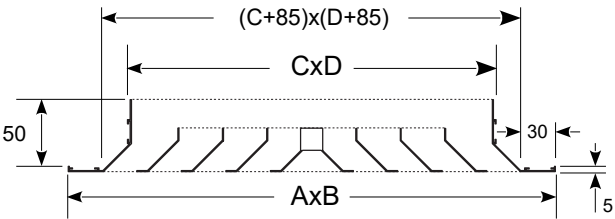
Optional accessories

Opposed blade damper – **OBD** (extra cost).
Plenum box – **PL** (extra cost).
Fixing systems.



* optional accessories

Technical data



CxD - diffuser neck size

Opening hole size: (C+85) x (D+85)

Standard sizes

External size AxB	Neck size CxD	Q (m³/h) @ Vef 3,5 (m/s)
620x620	475x475	1370
595x595*	450x450	1230
520x520	375x375	860
445x445	300x300	550
370x370	225x225	315
295x295	150x150	140

*external size AxB 595x595; for cassette ceiling system.

Standard delivery is without mounting holes in frame.
Screw fixing (at the same color) is optional (extra cost).

There are no other sizes available.

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Technical data

Q (m³/h)	Ex/Int (mm)	295 / 150	370 / 225	445 / 300	520 / 375	595 / 450*	620 / 475
	A _{ef} (m²)	0,011	0,025	0,044	0,068	0,098	0,109
120	L _i (m)	0,6					
	L _w (dB(A))	11					
	ΔP _t (Pa)	4					
160	L _i (m)	1,1	0,7				
	L _w (dB(A))	18	13				
	ΔP _t (Pa)	6	2				
200	L _i (m)	1,2	0,8				
	L _w (dB(A))	23	18				
	ΔP _t (Pa)	9	4				
250	L _i (m)	1,4	1,0				
	L _w (dB(A))	32	24				
	ΔP _t (Pa)	11	6				
300	L _i (m)	1,7	1,3	0,9			
	L _w (dB(A))	40	28	16			
	ΔP _t (Pa)	15	8	3			
400	L _i (m)	2,2	1,7	1,3			
	L _w (dB(A))	42	35	24			
	ΔP _t (Pa)	26	15	5			
500	L _i (m)	2,1	1,6	1,3	1,3		
	L _w (dB(A))	41	29	20			
	ΔP _t (Pa)	23	7	3			
600	L _i (m)		1,9	1,5			
	L _w (dB(A))		34	25			
	ΔP _t (Pa)		10	4			
800	L _i (m)			2,5	2	1,7	1,5
	L _w (dB(A))			41	32	24	22
	ΔP _t (Pa)			18	8	4	4
1000	L _i (m)			3,1	2,5	2,1	1,9
	L _w (dB(A))			46	37	30	28
	ΔP _t (Pa)			29	12	6	6
1200	L _i (m)				3	2,5	2,4
	L _w (dB(A))				42	34	32
	ΔP _t (Pa)				17	8	7
1600	L _i (m)				4	3,3	3,1
	L _w (dB(A))				49	41	39
	ΔP _t (Pa)				30	15	13
2000	L _i (m)					4,2	3,9
	L _w (dB(A))					47	42
	ΔP _t (Pa)					23	20

*external size AxB 595x595; for cassette ceiling system.

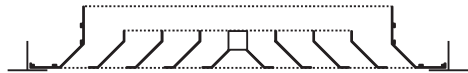
Data is valid for:

- H ceiling =3,0±0,5m
- L_i (m) @ V_i=0,25 m/s (with Coanda effect)
- L_w(dB(A)) incl. room attenuation 5dB(A)
- Temperature difference Dt=-10K

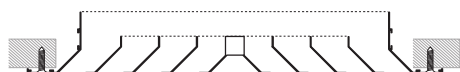
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Fixing

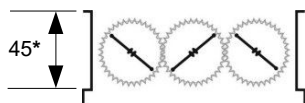


In cassette ceiling system(**standard**).



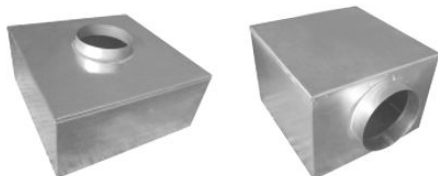
Fixing with visible screws (extra cost).
Countersunk holes in frame and visible screws (same color).

Optional accessories



OBD - Opposed blade damper (extra cost).

*to be added to diffuser depth dimension



PL – Plenum box(extra cost)

Variants:

- uninsulated / thermal insulated
- axial or lateral spigot