

Transfer grille for wall

TR-D



Specifications

Transfer grille with fixed, curved blades, inclined at 45°. Composed of two identical grilles, one for each wall side.

For walls with minimum thickness of **42 mm**.

Used for air transfer between two rooms.

Material

Aluminiu (profile extrudate).

Finish

Standard finish: white RAL9003.

Optional finishing:

- natural aluminium
- different RAL (extra cost)

Mounting / Fixing

Mounting on the wall (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

Wire mesh - **PS** (extra cost)

Order code: **TR-D** **aaa x bbb** **+***

Product code

opening length L (mm)

opening height H (mm)

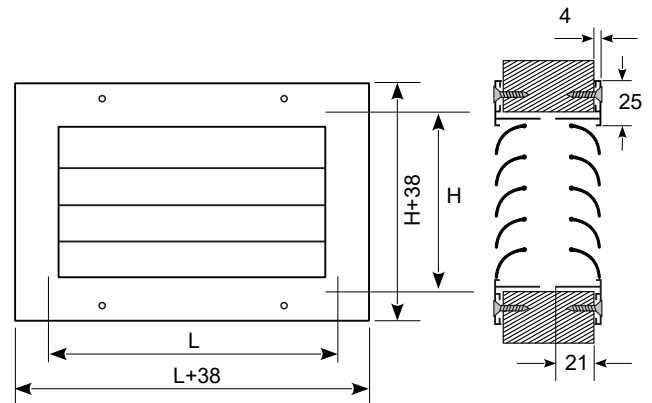
not specified - white RAL9003 (standard)

RALxxxx - optional RAL code

ALU - natural aluminium

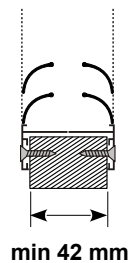
* optional accessories

Technical data



LxH - opening hole size

Wall thickness (minimum)



Standard sizes

LxH	Q (m³/h) @ Vef 1,25 (m/s)	Q (m³/h) @ Vef 2,5 (m/s)
300x100	70	145
400x100	95	190
500x100	120	245
600x100	150	300
300x150	115	225
400x150	150	300
500x150	175	350
600x150	255	515
400x200	195	390
500x200	250	500
600x200	305	610
500x300	390	775
600x300	415	830
600x400	695	1390

Custom sizes

Custom sizes available (under certain commercial conditions), between:

opening length L: 100~600 mm

opening height H: 100~2000 mm

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Selection table

Q (m³/h)	LxH (mm)	A _{ef} (m²)	200x100	300x100	400x100	500x100	300x150	600x100	400x150	500x150	400x200	600x150	500x200	400x250	600x200	500x250	400x300	600x250	500x300	600x300	500x400	600x400
			0,010	0,016	0,021	0,026	0,033	0,039	0,043	0,056	0,067	0,086	0,092	0,122	0,154							
50	Lw(dB(A)) ΔP _t (Pa)		27 6	17 3																		
70	Lw(dB(A)) ΔP _t (Pa)		34 12	26 6	20 4																	
100	Lw(dB(A)) ΔP _t (Pa)			35 13	29 8	20 4	- 3															
150	Lw(dB(A)) ΔP _t (Pa)				39 18	30 9	27 7	22 5	20 4													
200	Lw(dB(A)) ΔP _t (Pa)					38 17	34 13	29 9	28 7	21 4												
250	Lw(dB(A)) ΔP _t (Pa)						39 18	34 13	32 10	27 7	21 4											
300	Lw(dB(A)) ΔP _t (Pa)							38 17	37 15	29 8	27 7	19 4	- 3									
350	Lw(dB(A)) ΔP _t (Pa)								42 22	35 13	29 8	24 6	22 5									
400	Lw(dB(A)) ΔP _t (Pa)									40 18	36 14	29 8	27 7	19 4								
500	Lw(dB(A)) ΔP _t (Pa)											43 25	35 13	32 10	26 6	- 3						
600	Lw(dB(A)) ΔP _t (Pa)												39 19	37 15	29 8	21 4						
700	Lw(dB(A)) ΔP _t (Pa)													42 20	33 12	27 7						
800	Lw(dB(A)) ΔP _t (Pa)																36 14	29 8				
900	Lw(dB(A)) ΔP _t (Pa)																40 19	31 9				
1000	Lw(dB(A)) ΔP _t (Pa)																				34 13	
1200	Lw(dB(A)) ΔP _t (Pa)																					39 18

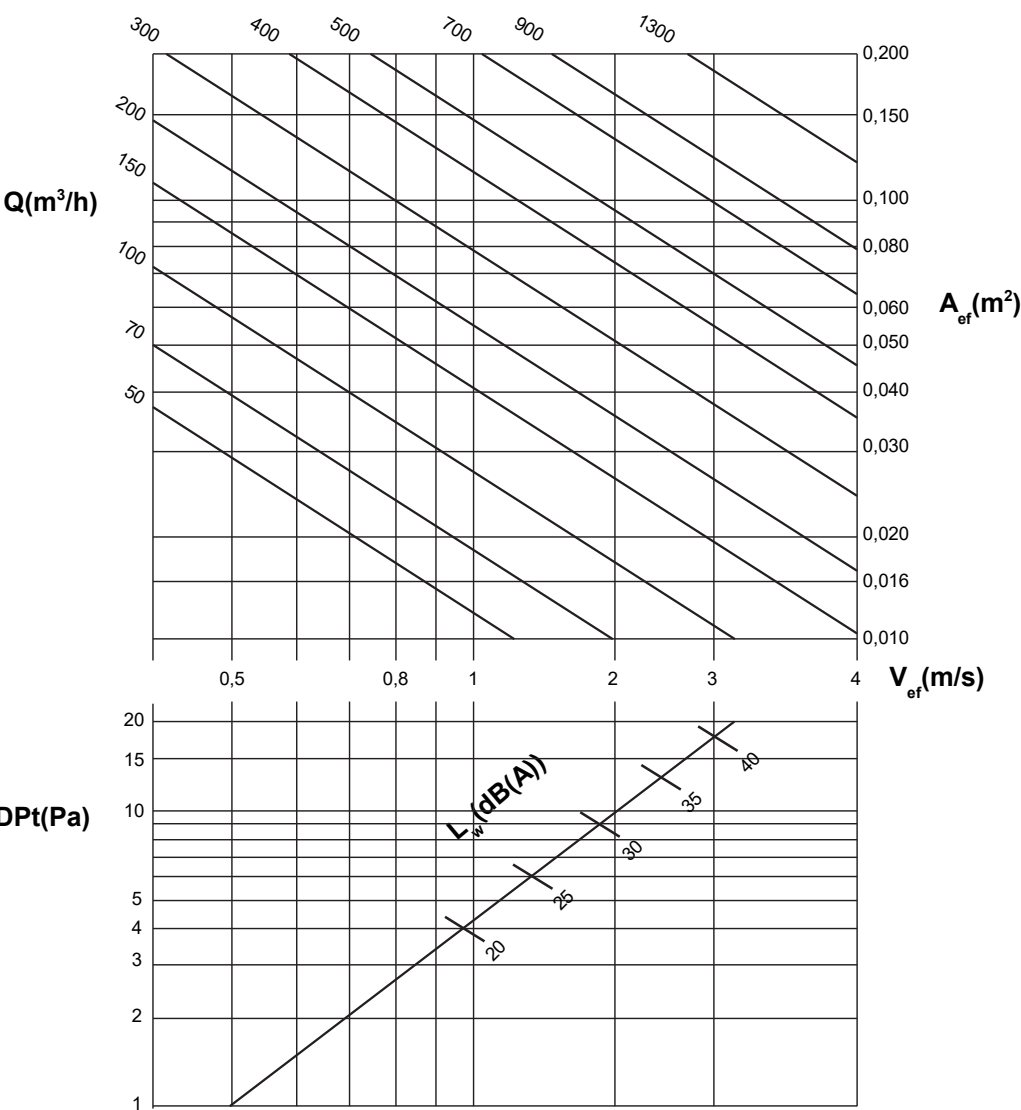
• Lw(dB(A)) incl. room attenuation 5dB(A)

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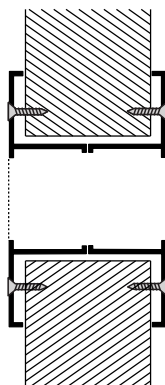
		$A_{ef} \text{ (m}^2\text{)}$							
$H \text{ (mm)}$	600	-	-	-	-	-	-	0,216	0,285
	500	-	-	-	-	-	0,149	0,178	0,238
	450	-	-	-	-	-	0,135	0,162	0,216
	400	-	-	-	-	0,096	0,122	0,154	0,194
	350	-	-	-	0,068	0,084	0,105	0,126	0,168
	300	-	-	0,049	0,056	0,065	0,086	0,092	0,121
	250	-	0,030	0,041	0,047	0,056	0,068	0,086	0,112
	200	0,020	0,024	0,029	0,036	0,043	0,056	0,068	0,086
	150	0,014	0,017	0,025	0,029	0,033	0,039	0,057	0,066
	100	0,010	0,013	0,016	0,019	0,021	0,027	0,033	0,043
		200	250	300	350	400	500	600	800
$L \text{ (mm)}$									



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Mounting / 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)