



TRH TRANSFER GRILLES

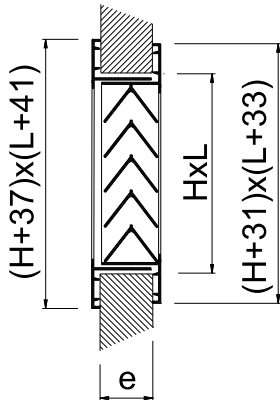
MADEL®

TRH-A series grilles have a simple design which makes them useful for incorporation in all styles of architecture.

Their special features make them ideal for placing in doorways and interior walls.

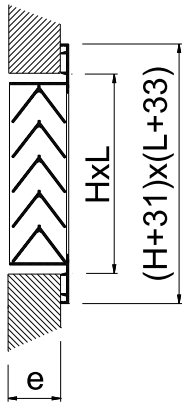
The “V” shaped profile of the blades allows the passage of air but prevents light from entering, and at the same time reduces the sound pressure level.

TRH-A
TRH-B



	e=min	e=max
TRH-A	30	55
TRH-B	47	72

TRV-S



CLASSIFICATION

TRH-A Grille with telescopic frame to facilitate the adjustment and placing on door thickness between 30 – 55 mm.

TRH-B Grille **TRH-A** to place on door thickness between 47 – 72 mm.

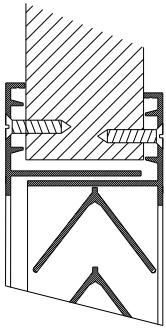
TRV-... Grille with blades parallels to H size.

TRH-S Grilles without telescopic frame.

MATERIAL

Extruded aluminium grille.

All grilles are provided with a seal on the back of the frame in order that the perimeter in contact is airtight.



(T)

FIXING SYSTEMS

(T) The grille is fixed in place with screws.

FINISHES

AA Anodised in matt silver.

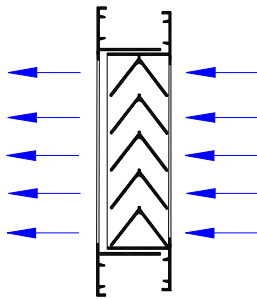
M9016 Lacquer in white colour similar to RAL 9016.

RAL... Lacquer in other colours (RAL specifications).

TRH SERIES

FREE FACE AREA m².

H \ L	100	160	200	260	300	360	400	460	500	560	600
100	0,002	0,004	0,005	0,007	0,008	0,010	0,011	0,013	0,015	0,016	0,018
160	0,004	0,008	0,011	0,014	0,017	0,021	0,023	0,027	0,029	0,033	0,036
200	0,006	0,011	0,014	0,019	0,023	0,028	0,031	0,036	0,039	0,044	0,047
260	0,008	0,015	0,020	0,027	0,031	0,038	0,043	0,049	0,054	0,061	0,065
300	0,010	0,018	0,024	0,032	0,037	0,045	0,050	0,059	0,064	0,072	0,077
360	0,013	0,023	0,029	0,039	0,046	0,056	0,062	0,072	0,079	0,089	0,095
400	0,014	0,025	0,033	0,044	0,051	0,063	0,070	0,081	0,089	0,100	0,107
460	0,017	0,030	0,038	0,051	0,060	0,073	0,082	0,095	0,104	0,117	0,125
500	0,018	0,033	0,042	0,056	0,066	0,080	0,090	0,104	0,114	0,128	0,137
560	0,021	0,037	0,048	0,064	0,075	0,091	0,101	0,118	0,128	0,145	0,155
600	0,023	0,041	0,053	0,071	0,083	0,101	0,113	0,131	0,143	0,161	0,173



RECOMMENDED VELOCITY.

Vmin m/s	Vmax m/s
0,75	1,25

Determination of air flow.
Measuring the Vf in different points
of the grille, we find the Vfmed.

$$Q \text{ (l/s)} = V_{\text{fmed}} \text{ (m/s)} * A_{\text{free}} \text{ (m}^2\text{)} * 1000$$

$$Q \text{ (m}^3\text{/h)} = V_{\text{fmed}} \text{ (m/s)} * A_{\text{free}} \text{ (m}^2\text{)} * 3600$$

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.

