



TRH Transfer grilles

M A D E L®

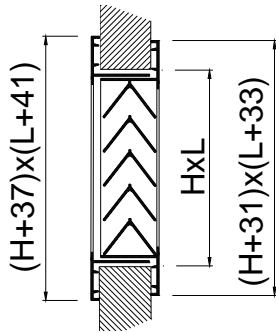
TRH series grilles have a simple design which makes them useful for incorporation in all styles of architecture.

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



CLASSIFICATION

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

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

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

MATERIAL

Extruded aluminium grille.

FIXING SYSTEMS

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

FINISHES

AA Matt silver anodised.

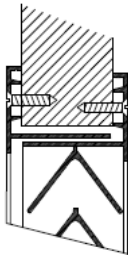
M9016 Pre-lacquered in white similar to RAL 9016 (85-95% gloss)

RAL... Painted in other RAL colours.

SPECIFICATION TEXT

Supply and mounting of air transfer grille with telescopic frame and "V" shaped blades parallels to the largest side series **TRH-A (T) AA** dim. LxH, constructed from aluminium and anodised in matt silver **AA**, visible fixing by screws **(T)**.
Manufacturer **MADEL**.

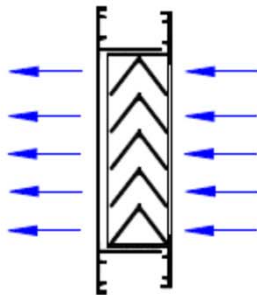
(T)





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



FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL

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

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

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

