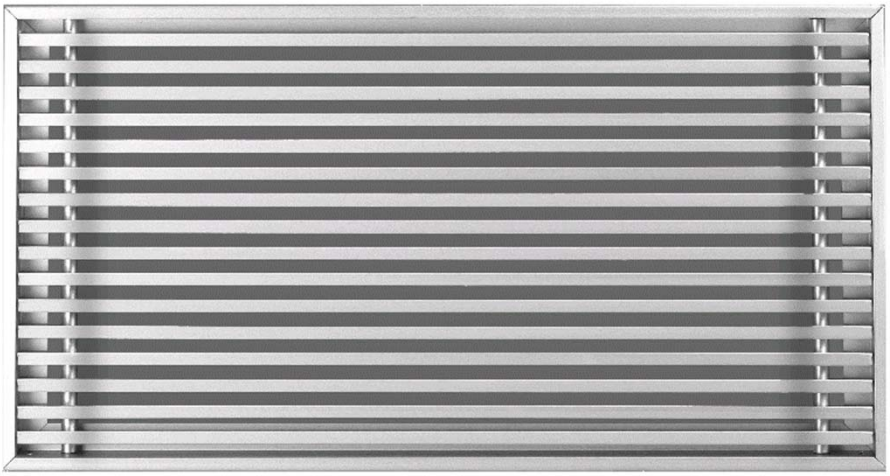


LMT-SW Linear grilles for leveled mounting

The **LMT-SW** series grilles are designed to be used in HVAC systems.

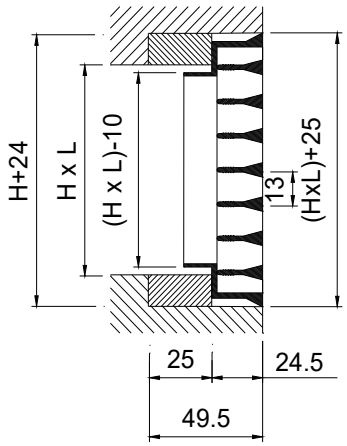
- Fixed bars grilles at 0º or 15º.
- Leveled mounting in masonry wall or ceiling.
- Suitable for air supply and return, in particular or for use in air curtains.

Product advantages :

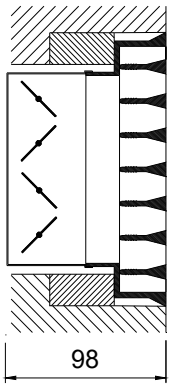
- Capability of integration in the ceiling or wall.
- Ideal for living rooms where decorative factors are of prime importance.
- Easy assembly through a wooden frame and special screws supplied with the grille.

- ❑ Offices
- ❑ Hotels
- ❑ Residences

LMT-SW+CW



LMT-SW+ SP



CLASSIFICATION

LMT-SW Linear grille with fixed bars at 0º for lengths ≤ 2 m, for levelled mounting on ceiling or masonry wall.
…-15 Grille with fixed bars at 15º.
…-ARI Grille with an end border on the left side, required to form lines > 2m.
…-ARD Grille with an end border on the right side, required to form lines > 2m.
…-INT Grille without end borders, required to form lines > 4m.

MATERIAL

Extruded aluminium grilles.

ACCESSORIES

SP Opposed blades volume damper from zinc plated steel, in black colour. Damper operated manually by means of a screwdriver.

CW Wooden mounting frame.

FIXING SYSTEMS

1) LMT-SW are supplied with a special screws for fixing the grille to the CW frame.

FINISHES

AA Matt silver anodised.
R9016S Painted white RAL 9016 (60-70% gloss)
R9010S Painted white RAL 9010 (60-70% gloss)
RAL... Painted in other RAL colours.

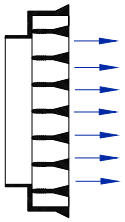
SPECIFICATION TEXT

Supply and mounting of linear grille for mounting in masonry wall or ceiling with fixed bars at 0º parallels to the largest side series **LMT-SW+CW AA** dim. LxH, constructed from aluminium and anodised in matt silver, fixing by screws and mounting frame. Manufacturer **MADEL**.

LMT-SW

FREE FACE AREA m2.

H \ L	150	200	250	300	350	400	450	500	600	700	800	900	1000
75	0,004	0,006	0,007	0,009	0,010	0,012	0,014	0,015	0,019	0,022	0,025	0,028	0,032
100	0,006	0,008	0,010	0,013	0,015	0,017	0,020	0,022	0,027	0,031	0,036	0,041	0,045
150	0,010	0,014	0,018	0,023	0,026	0,030	0,034	0,038	0,046	0,054	0,062	0,070	0,078
200	0,014	0,019	0,025	0,031	0,036	0,041	0,046	0,052	0,063	0,073	0,084	0,095	0,106
250	0,018	0,025	0,031	0,039	0,045	0,052	0,059	0,065	0,079	0,093	0,106	0,120	0,133
300	0,022	0,030	0,038	0,047	0,054	0,063	0,071	0,079	0,095	0,112	0,128	0,145	0,161



RECOMMENDED VELOCITY.

Vmin m/s	Vmax m/s
2	3.5

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

Q (l/s) = Vfmed (m/s) * Afree (m2) * 1000
Q (m3/h) = Vfmed (m/s) * Afree (m2) * 3600

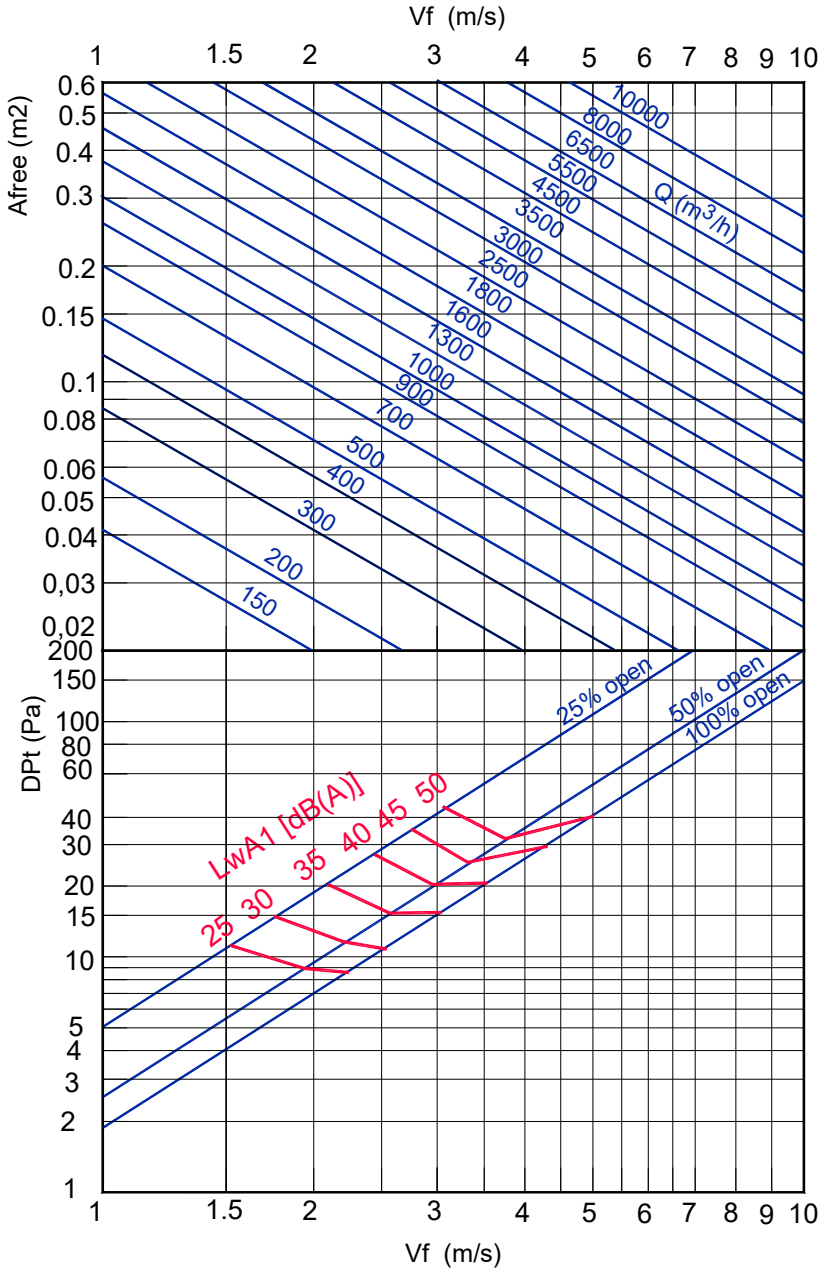
CORRECTION FACTOR FOR Lwa1.

Afree m2	0,01	0,02	0,05	0,1	0,2	0,4
Lwa1(kf)	-9	-6	-3	-	+4	+7

Weighted noise level related to Afree = 0,1m2.

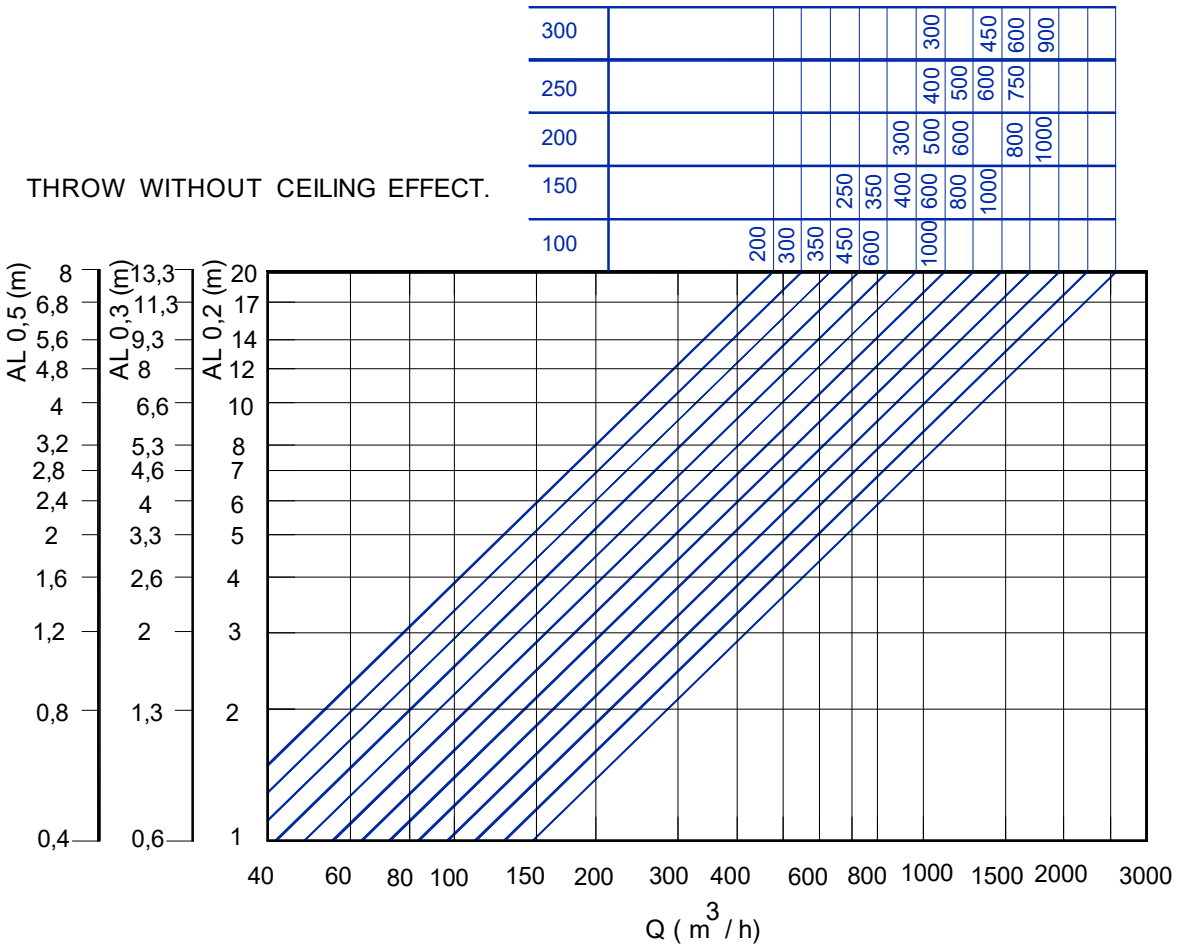
Lwa = Lwa1 + Kf

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.



LMT-SW

THROW WITHOUT CEILING EFFECT.



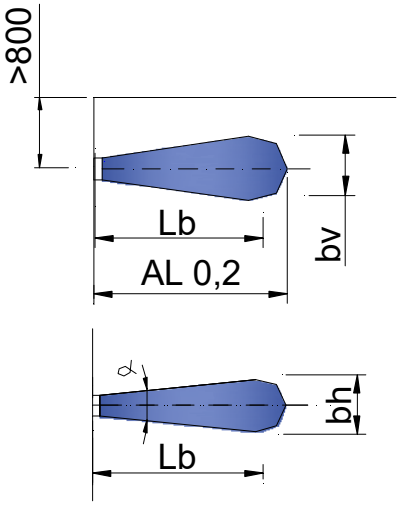
POSITION OF BLADES 0 °
WITHOUT CEILING EFFECT.

AL0,2

Lb = AL0,2 x 0,53

bv = AL0,2 x 0,12

bh = AL0,2 x 0,4



POSITION OF BLADES 0 °
WITH CEILING EFFECT.

AL'0,2 = AL0,2 x 1,33

Lb = AL0,2 x 0,7

bv = Al0,2 x 0,106

bh = Al0,2 x 0,53