

DECIBEL ACOUSTIC LOUVERS

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ACOUSTIC LOUVERS SPECIFICATION:

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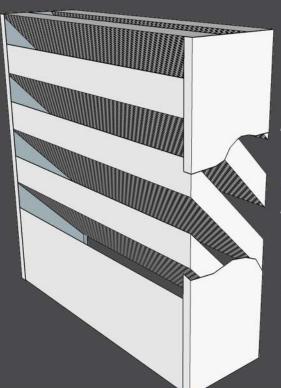
Acoustic Louvers Model AL-300 can be specified as single louver attenuating system. The louvers are made of steel sheets, filled with sound absorbing material and one-sided cover by perforated metal sheet. The standard size of the box is 300x1000x1000 and is easy to install on facades opening or hang on support metal construction, also can be stored as standalone screen wall. Acoustic Louvers are used mainly at engine room, ventilation openings, power generator rooms, boiler rooms, cooling towers or any other industrial or HVAC system. Optional louvers can be produced from aluminum (perforated sheet is galvanized steel).

Weight: 60kg/m2

Dimension: 300x1000x1000

(custom dimensions are available)

Color: RAL specificities



Acoustic Performance:

Octave band center frequency(Hz) 63 125 250 500 1000 2000 4000 8000 Transmission Loss (dB) 7 8 11 13 19 19 15 14 For noise reduction, add 6dB to the above values

Aerodynamic Performance:

Static Pressure 0.05 0.10 0.15 0.20 0.25 0.30 0.40 0.50 0.60 0.75 1.00 1.25 Drop (i.w.g.) Face Velocity (fpm) 206 292 357 413 |61| 505 584 653 715 799 923 1032 for other velocities: $\Delta P_2 = \Delta P_1 \left[\frac{V_2}{v_z}\right]^2$



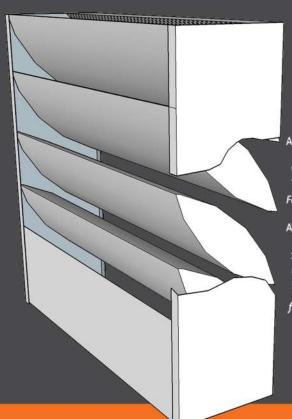
Acoustic Louvers Model AL-300-R can be specified as single louver attenuating system. The louvers are made of steel sheets, filled with sound absorbing material and one-sided cover by perforated metal sheet. The Model AL-300-R provide more air flow without losing attenuation abilities. The standard size of the box is 300x1000x1000 and is easy to install on facades opening or hang on support metal construction, also can be stored as standalone screen wall. Acoustic Louvers are used mainly at engine room, ventilation openings, power generator rooms, boiler rooms, cooling towers or any other industrial or HVAC system. Optional louvers can be produced from aluminum (perforated sheet is galvanized steel).

Weight: 60kg/m2

Dimension: 300x1000x1000

(custom dimensions are available)

Color: RAL specificities



Acoustic Performance:

Octave band center frequency (Hz) 63 125 250 500 1000 2000 4000 8000 Transmission Loss (dB) 5 6 9 10 13 10 8 7 For noise reduction, add 6dB to the above values

Aerodynamic Performance:

Static Pressure Drop 0.05 0.10 0.15 0.20 0.25 0.30 0.40 0.50 0.60 0.75 1.00 1.25 (i.w.g.) Face Velocity (fpm) 270 380 465 540 600 660 760 850 925 1040 1200 1340 for other velocities: $\Delta P_2 = \Delta P_1 \left[\frac{V_2}{V_1} \right]^2$



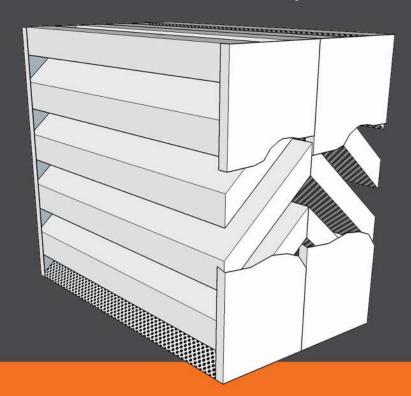
Acoustic Louvers Model AL-600 can be specified as double louver attenuating system. The louvers are made of steel sheets, filled with sound absorbing material and one-sided cover by perforated metal sheet. This model provides better acoustic performance than the other, but the aerodynamic characteristics are lower. The standard size of the box is $600 \times 1000 \times 1000$ and is easy to install on facades opening or hang on support metal construction, also can be stored as standalone screen wall. Acoustic Louvers are used mainly at engine room, ventilation openings, power generator rooms, boiler rooms, cooling towers or any other industrial or HVAC system. Optional louvers can be produced from aluminum (perforated sheet is galvanized steel).

Acoustic Performance:

Octave band center frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Transmission Loss (dB)	5	6	9	10	13	10	8	7
For noise reduction, add 6dB to the ab-	ove val	ues						

Aerodynamic Performance:

Static Pressure Drop	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.75	1.00	1.25
(i.w.g.) Face Velocity (fpm)	270	380	465	540	600	660	760	850	925	1040	1200	1340
for other velocities: ΔP_2 =	= ΔP ₁ [$\left[\frac{V_2}{V_1}\right]^2$										



Weight: 120kg/m2

Dimension: 600x1000x1000

(custom dimensions are available)

Color: RAL specificities



Acoustic Louvers Model AL-600-R can be specified as double louver attenuating system. The louvers are made of steel sheets, filled with sound absorbing material and one-sided cover by perforated metal sheet. This model provides well balanced relations between acoustic performance and aerodynamic characteristics. The standard size of the box is $600 \times 1000 \times 1000$ and is easy to install on facades opening or hang on support metal construction, also can be stored as standalone screen wall. Acoustic Louvers are used mainly at engine room, ventilation openings, power generator rooms, boiler rooms, cooling towers or any other industrial or HVAC system. Optional louvers can be produced from aluminum (perforated sheet is galvanized steel).

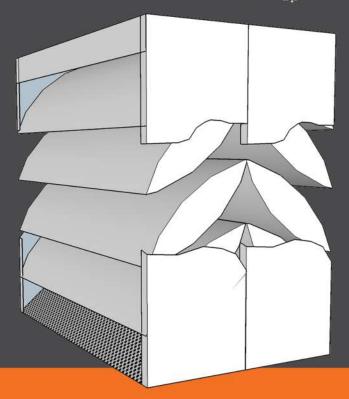
Acoustic Performance:

Octave band center frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Transmission Loss (dB)	6	9	13	17	23	19	16	15
For noise reduction, add 6dB to the ab	ove val	ues						

Aerodynamic Performance:

Static Pressure Drop (i.w.g.)	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.75	1.00	1.25
Face Velocity (fpm)	235	310	377	434	493	533	613	685	758	852	984	1100
	Tv.	12										

for other velocities: $\Delta P_2 = \Delta P_1 \left[\frac{V_2}{V_1} \right]$



Weight: 120kg/m2

Dimension: 600x1000x1000

(custom dimensions are available)

Color: RAL specificities