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**DECIBEL** ACOUSTIC LOUVERS

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## ACOUSTIC LOUVERS SPECIFICATION :

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## ACOUSTIC LOUVERS MODEL AL-300

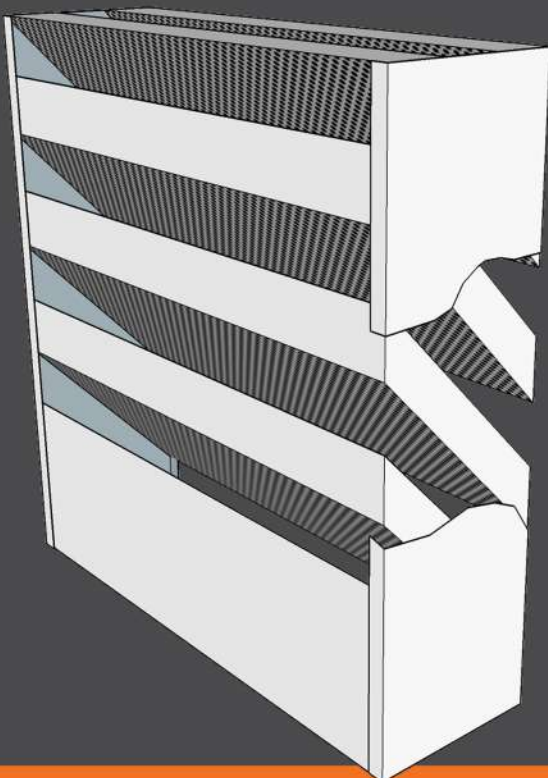
Acoustic Louvers Model AL-300 can be specified as single louver attenuating system. The louvers are made of steel sheets, filled with sound absorbing material and one-sided cover by perforated metal sheet. The standard size of the box is 300x1000x1000 and is easy to install on facades opening or hang 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/m<sup>2</sup>

**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 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)	206	292	357	413	461	505	584	653	715	799	923	1032

for other velocities:  $\Delta P_2 = \Delta P_1 \left[ \frac{V_2}{V_1} \right]^2$

## ACOUSTIC LOUVERS MODEL AL-300

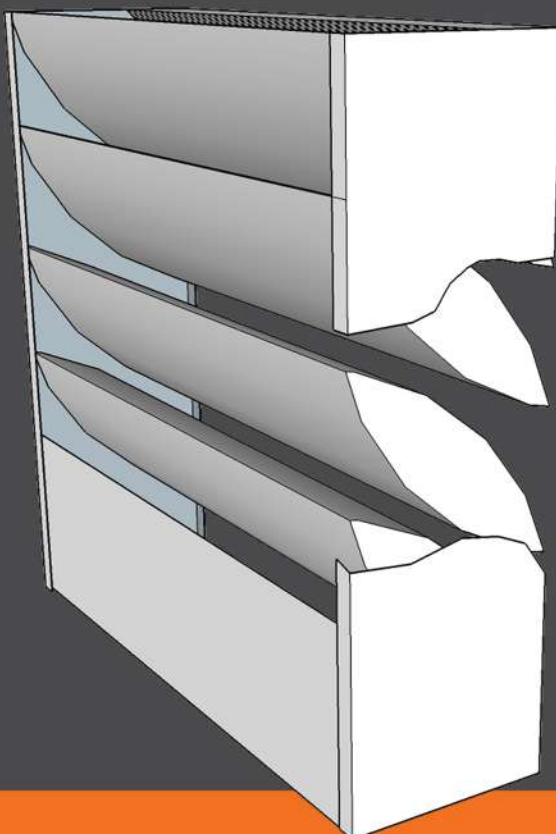
Acoustic Louvers Model AL-300-R can be specified as single louver attenuating system. The louvers are made of steel sheets, filled with sound absorbing material and one-sided cover by perforated metal sheet. The Model AL-300-R provide more air flow without losing attenuation abilities. The standard size 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/m<sup>2</sup>

**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 (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)	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

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 600x1000x1000 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:

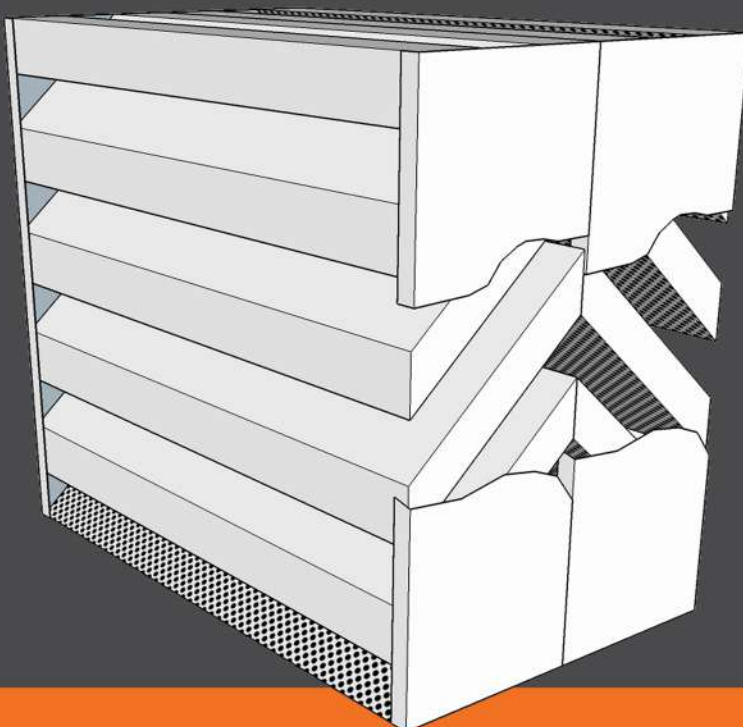
Octave band center frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Transmission Loss (dB)	5	6	9	10	13	10	8	7

*For noise reduction, add 6dB to the above values*

### 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)	270	380	465	540	600	660	760	850	925	1040	1200	1340

*for other velocities:  $\Delta P_2 = \Delta P_1 \left[ \frac{V_2}{V_1} \right]^2$*



**Weight:** 120kg/m<sup>2</sup>

**Dimension:** 600x1000x1000

(custom dimensions are available)

**Color:** RAL specificities



## ACOUSTIC LOUVERS MODEL AL-600

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 600x1000x1000 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:

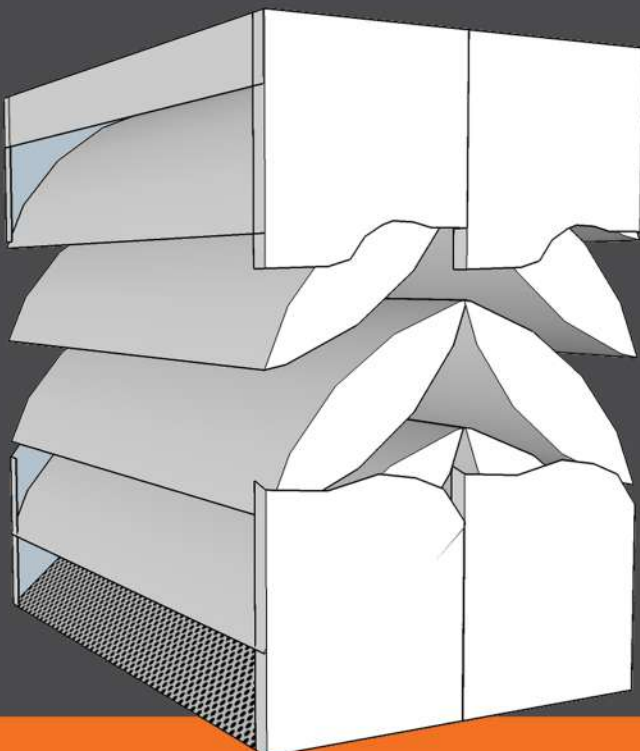
Octave band center frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Transmission Loss (dB)	6	9	13	17	23	19	16	15

*For noise reduction, add 6dB to the above values*

### 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

*for other velocities:  $\Delta P_2 = \Delta P_1 \left[ \frac{V_2}{V_1} \right]^2$*



**Weight:** 120kg/m<sup>2</sup>

**Dimension:** 600x1000x1000

(custom dimensions are available)

**Color:** RAL specificities