



Acoustical Louvers



Unger Model LP Acoustical Louver is designed for low pressure drop sound attenuation for applications where limited space is available.

Specifications

Acoustical Louvers as shown on the contract drawing, or as tabulated shall be installed to reduce sound transmission to occupied areas.

Acoustical Louvers shall be modular, and shall consist of (18ga) galvanized steel outer casing and (22ga) perforated steel foil liner, all of which have been mill galvanized.

The acoustical absorption media shall be glass fiber packed under compression. The glass fiber shall be a density calculated to provide the published acoustical and aerodynamic performance, fill material shall be class 1, as tested in accordance with ASTM E-84.

Acoustical Louvers shall be Unger Model LP Acoustical Louver.

Options

Standard finish is galvanized steel. Acoustical Louvers are also available in aluminum, baked enamel and stainless steel at additional cost.

Sizes

(Width x Height) (customized sizes also available)

2' x 2'	3' x 2'	4' x 2'	5' x 2'	6' x 2'
2' x 3'	3' x 3'	4' x 3'	5' x 3'	6' x 3'
2' x 4'	3' x 4'	4' x 4'	5' x 4'	6' x 4'
2' x 5'	3' x 5'	4' x 5'	5' x 5'	6' x 5'

Acoustic Louver Certified Performance Data

Acoustic Performance

Type	Thickness (")	Noise Reduction * (dB)						
		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
LP/1	6	5	7	9	10	10	10	12
LP/2	6	7	11	15	16	17	18	18
LP/1	12	7	9	13	16	17	18	18
LP/2	12	8	14	22	27	30	30	31

Aerodynamic Performance

Type	Thickness (")	Pressure Drop ("W.G.)								
		0.05	0.1	0.15	0.2	0.25	0.3	0.35	.4	
		Velocity								
LP/1	6	333	471	577	667	745	817	882	943	
LP/2	6	206	292	358	413	462	506	547	585	
LP/1	12	327	462	566	654	731	801	865	925	
LP/2	12	200	283	346	400	447	490	529	566	

* Noise Reduction of a louver is the difference between the sound pressure level on the noise source side of the louver and the freefield sound pressure level on the receiver side of the louver.