



Certified Ratings:

Robertson Thermovent FZE certifies that the model RTV-AL-GI-300 shown herein is licensed to bear the AMCA seal. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air, Sound Performance and Water Penetration ratings

TECHNOLOGY MEETS AESTHETICS



ACOUSTIC LOUVER



ROBERTSON *THERMO VENT* FZE

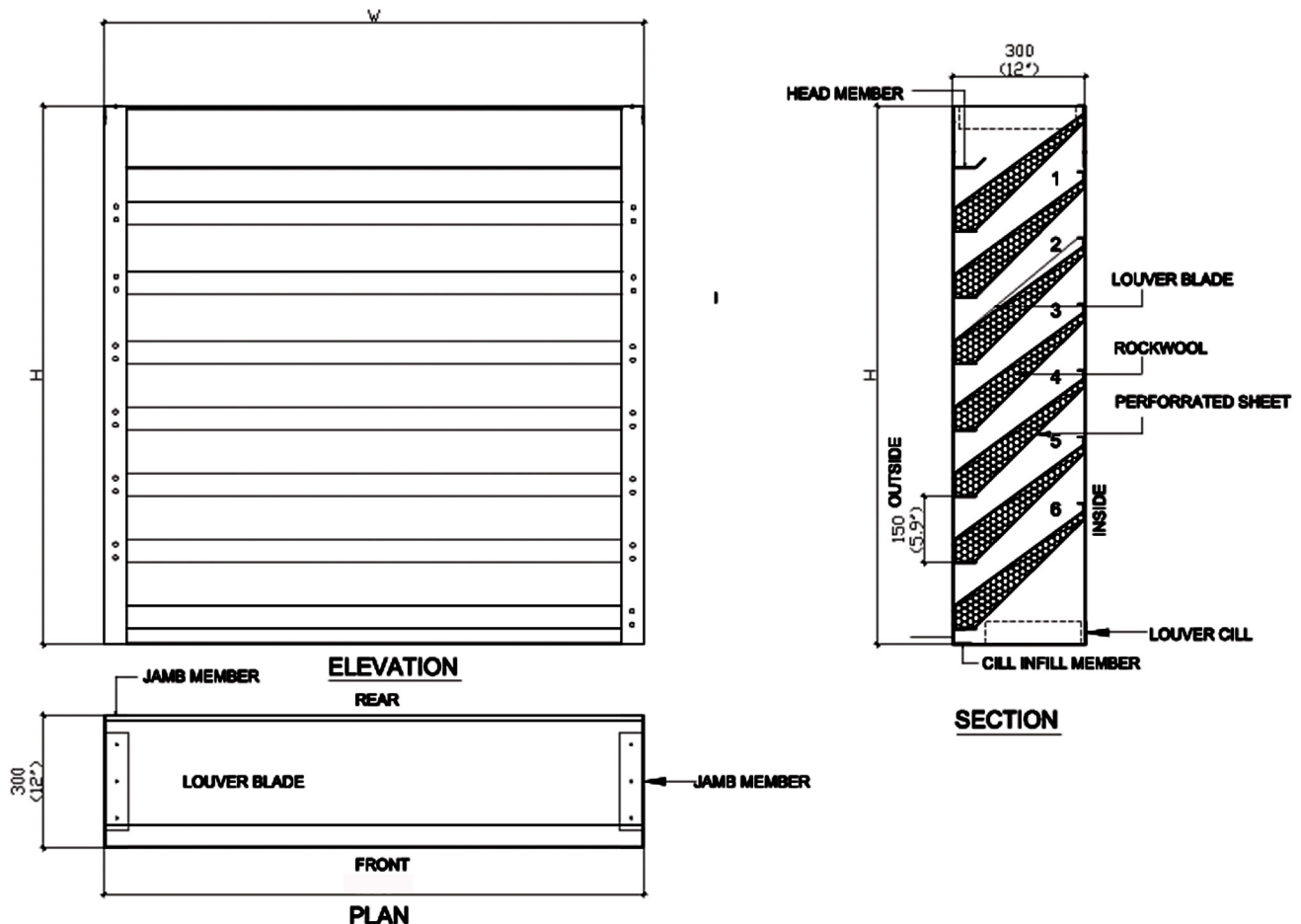
ACOUSTIC AND VENTILATION SYSTEMS



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Model : RTV -AL- GI-300 ACOUSTIC LOUVER 12 " Deep. Acoustic Infill Blade



Application:

The RTV-AL-GI-300 Acoustic Louver provides low static pressure loss and reliable noise reduction over a wide range of frequencies.

The RTV-AL-GI-300 is available in a wide array of finishes including custom colors. It is ideally suited for intake or exhaust applications and for noise attenuation application for generator enclosures, plant room, compressor sheds and chiller room enclosure.

FREE AREA (ft²)

Width (Inches)

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
12	0.26	0.40	0.53	0.66	0.79	0.93	1.06	1.19	1.32	1.45	1.59	1.72	1.85	1.98	2.12	2.25	2.38	2.51	2.65
18	0.40	0.60	0.79	0.99	1.19	1.39	1.59	1.79	1.98	2.18	2.38	2.58	2.78	2.98	3.17	3.37	3.57	3.77	3.97
24	0.53	0.79	1.06	1.32	1.59	1.85	2.12	2.38	2.65	2.91	3.17	3.44	3.70	3.97	4.23	4.50	4.76	5.03	5.29
30	0.66	0.99	1.32	1.65	1.98	2.31	2.65	2.98	3.31	3.64	3.97	4.30	4.63	4.96	5.29	5.62	5.95	6.28	6.61
36	0.79	1.19	1.59	1.98	2.38	2.78	3.17	3.57	3.97	4.36	4.76	5.16	5.55	5.95	6.35	6.75	7.14	7.54	7.94
42	0.93	1.39	1.85	2.31	2.78	3.24	3.70	4.17	4.63	5.09	5.55	6.02	6.48	6.94	7.41	7.87	8.33	8.80	9.26
48	1.06	1.59	2.12	2.65	3.17	3.70	4.26	4.76	5.29	5.82	6.35	6.88	7.41	7.94	8.46	8.99	9.52	10.05	10.58
54	1.19	1.79	2.38	2.98	3.57	4.17	4.76	5.36	5.95	6.55	7.14	7.74	8.33	8.93	9.52	10.12	10.71	11.31	11.90
60	1.32	1.98	2.65	3.31	3.97	4.63	5.29	5.95	6.61	7.27	7.94	8.60	9.26	9.92	10.58	11.24	11.90	12.56	13.23
66	1.45	2.18	2.91	3.64	4.36	5.09	5.82	6.55	7.27	8.00	8.73	9.46	10.18	10.91	11.64	12.37	13.09	13.82	14.55
72	1.59	2.38	3.17	3.97	4.76	5.55	6.35	7.14	7.94	8.73	9.52	10.32	11.11	11.90	12.70	13.49	14.28	15.08	15.87
78	1.72	2.58	3.44	4.30	5.16	6.02	6.88	7.74	8.60	9.46	10.32	11.18	12.04	12.90	13.76	14.61	15.47	16.33	17.19
84	1.85	2.78	3.70	4.63	5.55	6.48	7.41	8.33	9.26	10.18	11.11	12.04	12.96	13.89	14.81	15.74	16.66	17.59	18.52
90	1.98	2.98	3.97	4.96	5.95	6.94	7.94	8.93	9.92	10.91	11.90	12.90	13.89	14.88	15.87	16.86	17.86	18.85	19.84
96	2.12	3.17	4.23	5.29	6.35	7.41	8.46	9.52	10.58	11.64	12.70	13.76	14.81	15.87	16.93	17.99	19.05	20.10	21.16
102	2.25	3.37	4.50	5.62	6.75	7.87	8.99	10.12	11.24	12.37	13.49	14.61	15.74	16.86	17.99	19.11	20.24	21.36	22.48
108	2.38	3.57	4.76	5.95	7.14	8.33	9.52	10.71	11.90	13.09	14.28	15.47	16.66	17.86	19.05	20.24	21.43	22.62	23.81
114	2.51	3.77	5.03	6.28	7.54	8.80	10.05	11.31	12.56	13.82	15.08	16.33	17.59	18.85	20.10	21.36	22.62	23.87	25.13
120	2.65	3.97	5.29	6.61	7.94	9.26	10.58	11.90	13.23	14.55	15.87	17.19	18.52	19.84	21.16	22.48	23.81	25.13	26.45

Height (Inches)



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Model : RTV -AL- GI-300 ACOUSTIC LOUVER 12 " Deep. Acoustic Infill Blade

CONFIGURATION :

Supplied in modular assembly or knockdown form for rapid site installation.

MATERIALS :

Mill Finish GI Sheet

FRAMES :

300 mm Deep

BLADES :

45° GI Acoustic Infill Blade

SCREEN :

Birdmesh : Crimped Aluminium

OPTIONAL

- Powder Coated
- Super Durable PPC
- Epoxy Painted
- Mill Finish Galvanised

Ratings:

Free Area : [48" x 48" (1220 x 1220mm)] - 3.37 ft²

Performance at beginning point of water penetration

Free Area Velocity: 1238.2 fpm

Air Volume delivered : 3989 cfm

Pressure Loss : 0.106 in wg

Acoustical Performance:

Full Octave Band Specimen Sound Transmission Loss

Hz	125	250	500	1000	2000	4000
TL	7	7	12	19	21	13
NR	13	13	18	25	27	19

Water Penetration

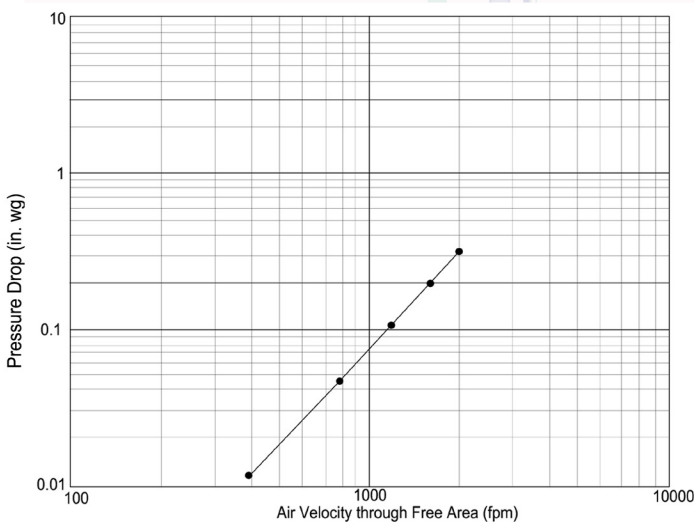
Test Size : [48" x 48" (1220 x 1220mm)]

Beginning of water penetration based on AMCA
Measured free area velocity 1238.2 fpm.

The water penetration test has been conducted for 15 minutes duration.

Pressure Loss

Test Size : [48" x 48" (1220 x 1220mm)]



Intake

Tested to AMCA 500-L - Figure 5.5 at standard air density.





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