

TECHNOLOGY MEETS AESTHETICS



### Certified Ratings:

Robertson Thermovent FZE certifies that the model RTV-STD-102 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 Performance ratings.

## STANDARD LOUVER - 102



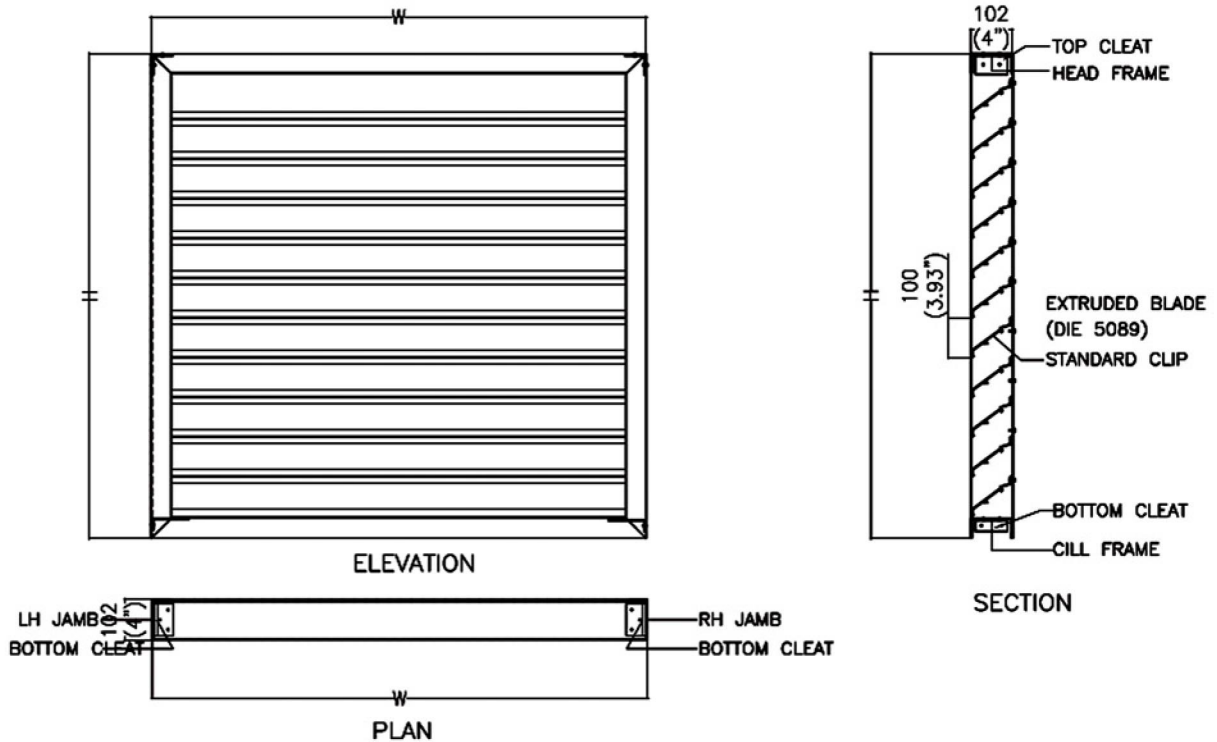
**ROBERTSON *THERMOVENT* FZE**  
ACOUSTIC AND VENTILATION SYSTEMS



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## Model : RTV- STD -102 STD LOUVER 102 102mm Deep. Alu. Extruded Blades



### Application:

The **RTV-STD-102** is widely specified for Architectural application such as building facades, Exterior air intake opening and weather protection of spaces. These device are also usefully employed for Industrial applications such as Factories, Rolling mills, Wire drawing mills, Glass factories etc.. (Mechanical operable blades are available as options)

### FREE AREA (ft<sup>2</sup>)

Width (Inches)

Height (Inches)

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
12	0.59	0.89	1.18	1.48	1.77	2.07	2.36	2.66	2.95	3.25	3.54	3.84	4.13	4.43	4.72	5.02	5.31	5.61	5.90
18	0.89	1.33	1.77	2.21	2.66	3.10	3.54	3.98	4.43	4.87	5.31	5.75	6.20	6.64	7.08	7.52	7.97	8.41	8.85
24	1.18	1.77	2.36	2.95	3.54	4.13	4.72	5.31	5.90	6.49	7.08	7.67	8.26	8.85	9.44	10.03	10.62	11.21	11.80
30	1.48	2.21	2.95	3.69	4.43	5.16	5.90	6.64	7.38	8.11	8.85	9.59	10.33	11.06	11.80	12.54	13.28	14.01	14.75
36	1.77	2.66	3.54	4.43	5.31	6.20	7.08	7.97	8.85	9.74	10.62	11.51	12.39	13.28	14.16	15.05	15.93	16.82	17.70
42	2.07	3.10	4.13	5.16	6.20	7.23	8.26	9.29	10.33	11.36	12.39	13.42	14.46	15.49	16.52	17.55	18.59	19.62	20.65
48	2.36	3.54	4.72	5.90	7.08	8.26	9.44	10.62	11.80	12.98	14.16	15.34	16.52	17.70	18.88	20.06	21.24	22.42	23.60
54	2.66	3.98	5.31	6.64	7.97	9.29	10.62	11.95	13.28	14.60	15.93	17.26	18.59	19.91	21.24	22.57	23.90	25.22	26.55
60	2.95	4.43	5.90	7.38	8.85	10.33	11.80	13.28	14.75	16.23	17.70	19.18	20.65	22.13	23.60	25.08	26.55	28.03	29.50
66	3.25	4.87	6.49	8.11	9.74	11.36	12.98	14.60	16.23	17.85	19.47	21.09	22.72	24.34	25.96	27.58	29.21	30.83	32.45
72	3.54	5.31	7.08	8.85	10.62	12.39	14.16	15.93	17.70	19.47	21.24	23.01	24.78	26.55	28.32	30.09	31.86	33.63	35.40
78	3.84	5.75	7.67	9.59	11.51	13.42	15.34	17.26	19.18	21.09	23.01	24.93	26.85	28.76	30.68	32.60	34.52	36.43	38.35
84	4.13	6.20	8.26	10.33	12.39	14.46	16.52	18.59	20.65	22.72	24.78	26.85	28.91	30.98	33.04	35.11	37.17	39.24	41.30
90	4.43	6.64	8.85	11.06	13.28	15.49	17.70	19.91	22.13	24.34	26.55	28.76	30.98	33.19	35.40	37.61	39.83	42.04	44.25
96	4.72	7.08	9.44	11.80	14.16	16.52	18.88	21.24	23.60	25.96	28.32	30.68	33.04	35.40	37.76	40.12	42.48	44.84	47.20
102	5.02	7.52	10.03	12.54	15.05	17.55	20.06	22.57	25.08	27.58	30.09	32.60	35.11	37.61	40.12	42.63	45.14	47.64	50.15
108	5.31	7.97	10.62	13.28	15.93	18.59	21.24	23.90	26.55	29.21	31.86	34.52	37.17	39.83	42.48	45.14	47.79	50.45	53.10
114	5.61	8.41	11.21	14.01	16.82	19.62	22.42	25.22	28.03	30.83	33.63	36.43	39.24	42.04	44.84	47.64	50.45	53.25	56.05
120	5.90	8.85	11.80	14.75	17.70	20.65	23.60	26.55	29.50	32.45	35.40	38.35	41.30	44.25	47.20	50.15	53.10	56.05	59.00



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**CONFIGURATION :**

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

**MATERIALS :**

Mill Finish Aluminium Extrusion

**FRAMES :**

102mm Deep

**BLADES :**

Aluminium Extruded blades

**SCREEN :**

Birdmesh : Crimped Aluminium

**OPTIONAL :**

- PVDF (KYNAR)
- Powder Coated
- Super Durable PPC
- Anodized
- Epoxy Painted
- Mill Finish

**OPTIONAL :**

- Operable blades

**Pressure Loss**

**Model : RTV- STD -102**

**STD LOUVER 102**

**102mm Deep. Alu. Extruded Blades**

**Ratings:**

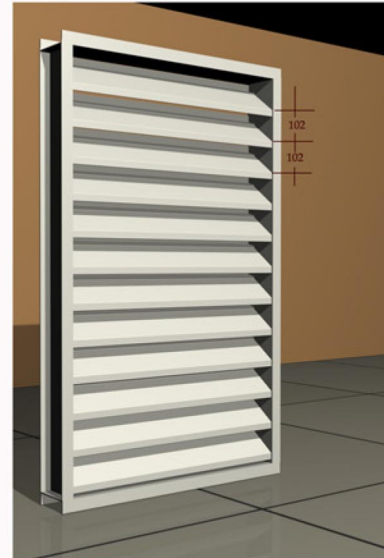
**Free Area[48" X 48" (1220X1220mm)]- 7.93 ft<sup>2</sup>**

**Performance at beginning point**

**Free Area Velocity : 376 fpm**

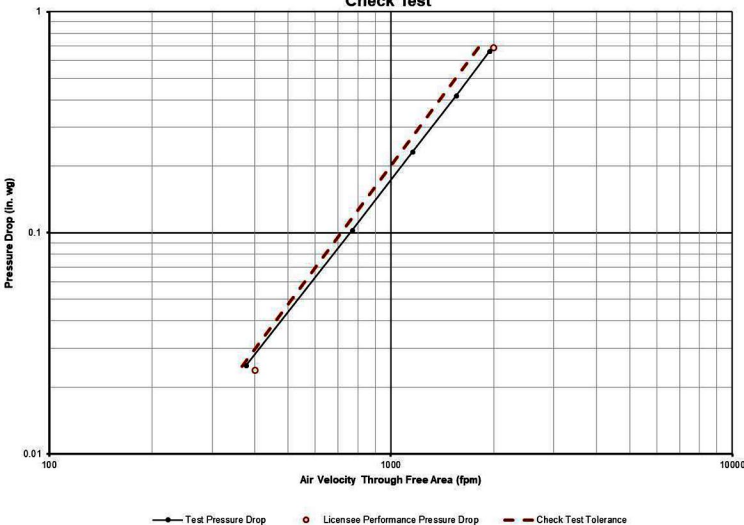
**Air Volume delivered : 2983cfm**

**Pressure Loss : 0.024 in. wg**



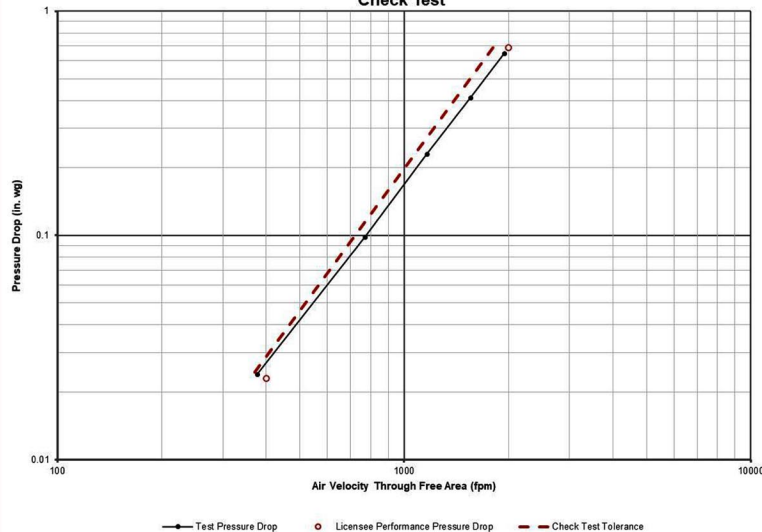
AL-STD LOUVER-102-RTV-STD-102 (2/2) : Rev.0- October 2021

Test No. 38909-I1  
Check Test



**Intake**

Test No. 38909-E1  
Check Test



**Exhaust**

**Test Size : [48" x 48" (1220 x 1220mm)]**  
 Tested to AMCA 500-L - Figure 5.5 at standard air density.



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