

TECHNOLOGY MEETS AESTHETICS



Certified Ratings:

Robertson Thermovent FZE certifies that the model RTV-GI-112 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 and Water Penetration ratings

GI FOLDED LOUVER

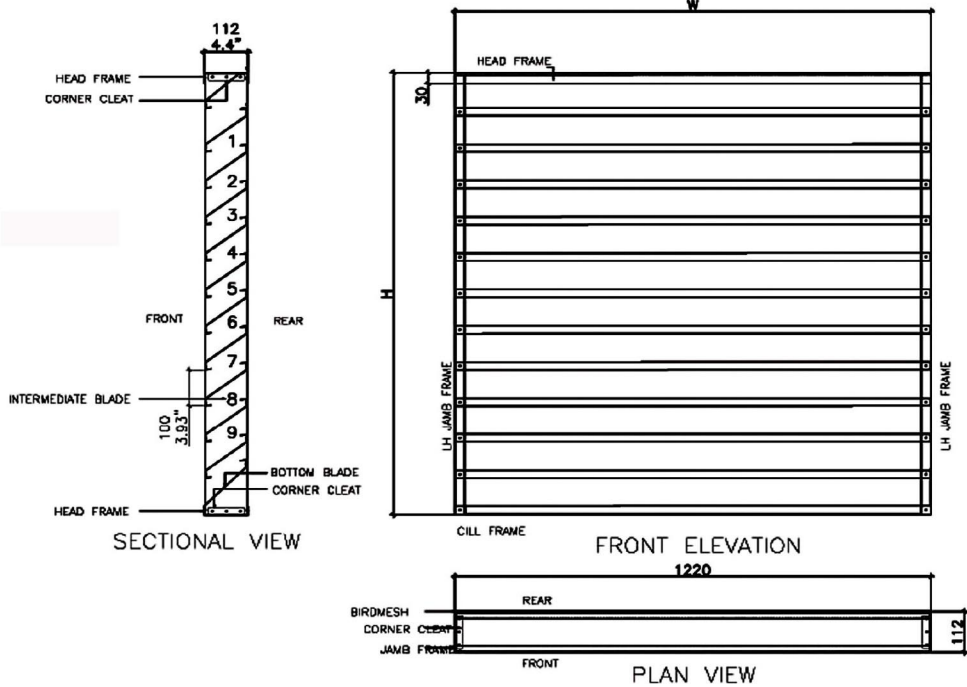


ROBERTSON *THERMOVENT* FZE
ACOUSTIC AND VENTILATION SYSTEMS



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Application:

This air device is ideally suited for harsh Industrial Application and perform best in extreme environments. When coated to a high specification product comes with extended warranties for corrosion protection. Mainly specified for air exhaust/intake system such as switchgear room, plant/transformer room & enclosure, compressor sheds and area where fire resistance is required.

FREE AREA (ft²)

Width (Inches)

| Height (Inches) | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 9.688 | 15.688 | 21.688 | 27.688 | 33.688 | 39.688 | 45.688 | 51.688 | 57.688 | 63.688 | 69.688 | 75.688 | 81.688 | 87.688 | 93.688 | 99.688 | 105.688 | 111.688 | 117.688 | 123.688 |
| 0.36 | 0.58 | 0.80 | 1.03 | 1.25 | 1.47 | 1.69 | 1.91 | 2.14 | 2.36 | 2.58 | 2.80 | 3.02 | 3.25 | 3.47 | 3.69 | 3.91 | 4.13 | 4.36 | 4.58 |
| 0.48 | 0.78 | 1.08 | 1.38 | 1.67 | 1.97 | 2.27 | 2.57 | 2.87 | 3.16 | 3.46 | 3.76 | 4.06 | 4.36 | 4.65 | 4.95 | 5.25 | 5.55 | 5.85 | 6.15 |
| 0.60 | 0.98 | 1.35 | 1.73 | 2.10 | 2.47 | 2.85 | 3.22 | 3.60 | 3.97 | 4.34 | 4.72 | 5.09 | 5.47 | 5.84 | 6.21 | 6.59 | 6.96 | 7.34 | 7.71 |
| 0.85 | 1.37 | 1.90 | 2.43 | 2.95 | 3.48 | 4.00 | 4.53 | 5.06 | 5.58 | 6.11 | 6.63 | 7.16 | 7.68 | 8.21 | 8.74 | 9.26 | 9.79 | 10.31 | 10.84 |
| 0.97 | 1.57 | 2.17 | 2.78 | 3.38 | 3.98 | 4.58 | 5.18 | 5.79 | 6.39 | 6.99 | 7.59 | 8.19 | 8.79 | 9.40 | 10.00 | 10.60 | 11.20 | 11.80 | 12.40 |
| 1.22 | 1.97 | 2.72 | 3.48 | 4.23 | 4.98 | 5.74 | 6.49 | 7.24 | 8.00 | 8.75 | 9.51 | 10.26 | 11.01 | 11.77 | 12.52 | 13.27 | 14.03 | 14.78 | 15.54 |
| 1.34 | 2.17 | 3.00 | 3.83 | 4.66 | 5.49 | 6.32 | 7.15 | 7.97 | 8.80 | 9.63 | 10.46 | 11.29 | 12.12 | 12.95 | 13.78 | 14.61 | 15.44 | 16.27 | 17.10 |
| 1.46 | 2.37 | 3.27 | 4.18 | 5.08 | 5.99 | 6.89 | 7.80 | 8.70 | 9.61 | 10.52 | 11.42 | 12.33 | 13.23 | 14.14 | 15.04 | 15.95 | 16.85 | 17.76 | 18.66 |
| 1.58 | 2.57 | 3.55 | 4.53 | 5.51 | 6.49 | 7.47 | 8.45 | 9.43 | 10.42 | 11.40 | 12.38 | 13.36 | 14.34 | 15.32 | 16.30 | 17.28 | 18.27 | 19.25 | 20.23 |
| 1.71 | 2.76 | 3.82 | 4.88 | 5.94 | 6.99 | 8.05 | 9.11 | 10.16 | 11.22 | 12.28 | 13.34 | 14.39 | 15.45 | 16.51 | 17.56 | 18.62 | 19.68 | 20.74 | 21.79 |
| 1.95 | 3.16 | 4.37 | 5.58 | 6.79 | 8.00 | 9.21 | 10.41 | 11.62 | 12.83 | 14.04 | 15.25 | 16.46 | 17.67 | 18.88 | 20.09 | 21.30 | 22.50 | 23.71 | 24.92 |
| 2.07 | 3.36 | 4.64 | 5.93 | 7.21 | 8.50 | 9.78 | 11.07 | 12.35 | 13.64 | 14.92 | 16.21 | 17.49 | 18.78 | 20.06 | 21.35 | 22.63 | 23.92 | 25.20 | 26.49 |
| 2.20 | 3.56 | 4.92 | 6.28 | 7.64 | 9.00 | 10.36 | 11.72 | 13.08 | 14.44 | 15.81 | 17.17 | 18.53 | 19.89 | 21.25 | 22.61 | 23.97 | 25.33 | 26.69 | 28.05 |
| 2.32 | 3.76 | 5.19 | 6.63 | 8.07 | 9.50 | 10.94 | 12.38 | 13.81 | 15.25 | 16.69 | 18.12 | 19.56 | 21.00 | 22.43 | 23.87 | 25.31 | 26.74 | 28.18 | 29.61 |
| 2.44 | 3.95 | 5.47 | 6.98 | 8.49 | 10.01 | 11.52 | 13.03 | 14.54 | 16.06 | 17.57 | 19.08 | 20.59 | 22.11 | 23.62 | 25.13 | 26.64 | 28.16 | 29.67 | 31.18 |
| 2.56 | 4.15 | 5.74 | 7.33 | 8.92 | 10.51 | 12.10 | 13.68 | 15.27 | 16.86 | 18.45 | 20.04 | 21.63 | 23.22 | 24.80 | 26.39 | 27.98 | 29.57 | 31.16 | 32.75 |
| 2.69 | 4.35 | 6.02 | 7.68 | 9.35 | 11.01 | 12.67 | 14.34 | 16.00 | 17.67 | 19.33 | 21.00 | 22.66 | 24.33 | 25.99 | 27.65 | 29.32 | 30.98 | 32.65 | 34.31 |
| 2.81 | 4.55 | 6.29 | 8.03 | 9.77 | 11.51 | 13.25 | 14.99 | 16.73 | 18.47 | 20.21 | 21.95 | 23.69 | 25.43 | 27.18 | 28.92 | 30.66 | 32.40 | 34.14 | 35.88 |
| 2.93 | 4.75 | 6.57 | 8.38 | 10.20 | 12.01 | 13.83 | 15.65 | 17.46 | 19.28 | 21.10 | 22.91 | 24.73 | 26.54 | 28.36 | 30.18 | 31.99 | 33.81 | 35.63 | 37.45 |

Model : RTV- GI-112

GI LOUVER

112mm Deep. GI Folded Blades



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CONFIGURATION :

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

MATERIALS :

Mill Finish GI Sheet

FRAMES :

112mm Deep

BLADES :

45° GI Folded Blade

SCREEN :

Birdmesh : Crimped Aluminium

OPTIONAL

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

Ratings:

Free Area : [48" x 48" (1220 x 1220mm)] - 7.30 ft²

Performance at beginning point of water penetration

Free Area Velocity: 756 fpm

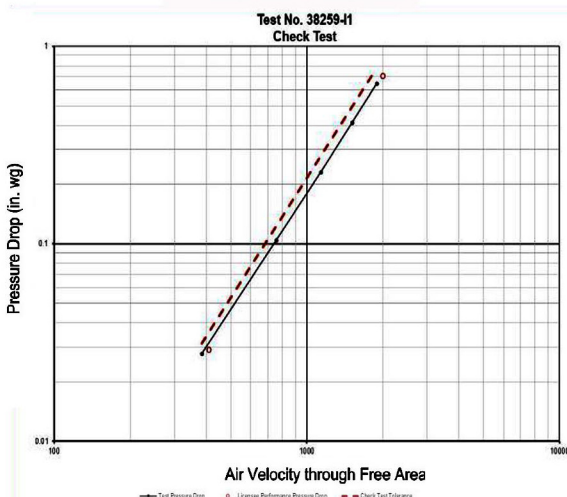
Air Volume delivered : 5517 cfm

Pressure Loss : 0.104 in wg

Water Penetration

Beginning of water penetration based on AMCA Measured free area velocity 565.1 fpm. The water penetration test has been conducted for 15 minutes duration.

Pressure Loss



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



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