DSA-T Acoustical Louver

ASLI Acoustical Louvers, DSA-T are designed for intake and exhaust application where maximum noise reduction is required. The louver frames are 300mm depth and the blades of airfoil type are position at 45°angle.

Materials

Frame : Galvanized Steel, 1.0mm thickness.
Blade : Galvanized Steel, 1.0mm thickness.
Acoustical Insulation : Fiberglass.

Surface Finish

Baked white powder coated as standard.
Others available upon request

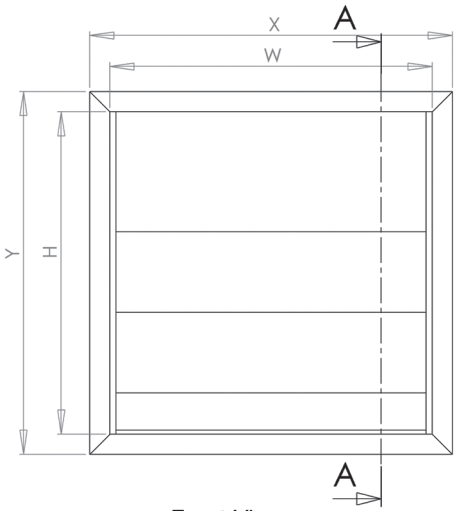
Features

- Approximately 28% free area.
- Low pressure drop.
- 42% free area on the perforated sheet.
- Airfoil blades positioned at 45° angle.
- Suitable for intake or exhaust air application.
- Architecturally pleasing appearance.

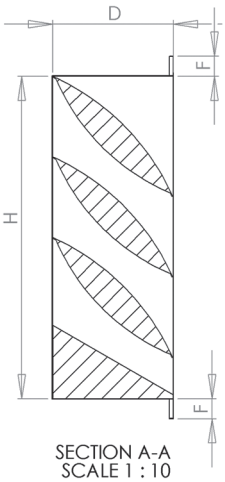
Screen

IS Insect screen.
BS Bird screen.

DSA-T Construction Illustrations



Front View



Section View

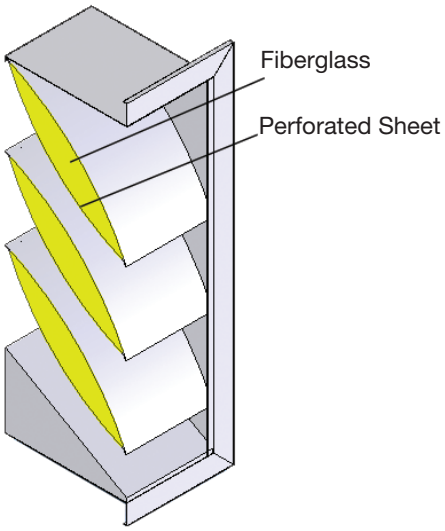
DSA -T Physical Dimension *Unit : mm*

W (Neck Size)	H (Neck Size)	X (Face Size)	Y (Face Size)	D (Depth)	F (Flange)
W	H	W + 100	H + 100	300	50

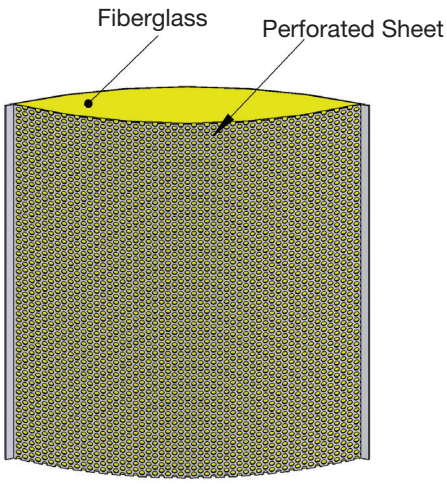
Example: ERM-THD-N-1000mmx1000mmx100mm-TDC

DSA-T Acoustical Louver

DSA-T Illustrations



Cut-Out View of DSA-T



DSA-T Blade

The airfoil blades are constructed with galvanized steel on exterior surface and perforated sheet on the interior surface that covers fiberglass. The noise transmitted through the louver will be absorbed by the fiberglass. Hence the noise will be greatly reduced.

DSA-T Order Code

Model	Material	Accessories	Neck Size
DSA	T	R6	N 600 x 600

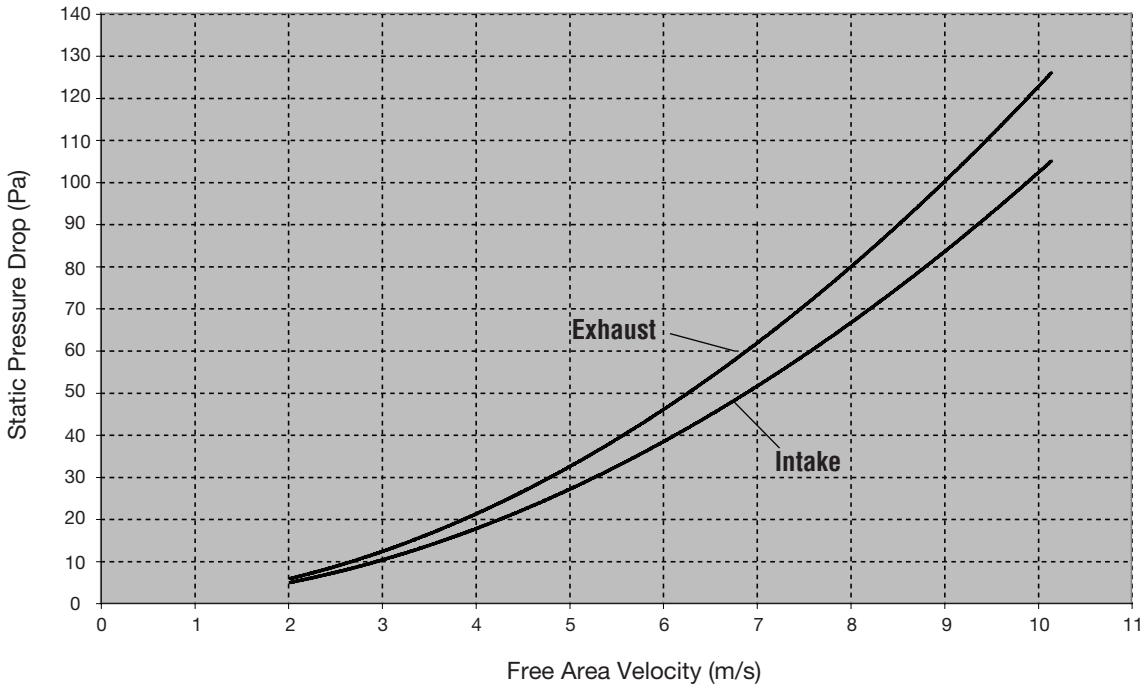
Example : DSA - T + R6 - N 600 x 600

DSA-T Performance Data

Octave Band/ Frequency (Hz)	Free Field Noise Reduction (dB)	Transmission Loss (dB)
1 / 63	13	7
2 / 125	13	7
3 / 250	14	8
4 / 500	17	11
5 / 1000	19	13
6 / 2000	18	12
7 / 4000	17	11
8 / 8000	18	12

DSA-T Acoustical Louver

DSA-T Air Flow Resistance



DSA-T Suggested Specification

The acoustical louver shall be of ASLI, model DSA-T, constructed of 1.0mm galvanized steel construction with a minimum 25% free area. The depth of the louver shall be 300mm (12 inch). The louver blades shall be airfoil type constructed with galvanized steel on exterior surface and perforated sheet on the interior surface that covers fiberglass. The perforated sheet on the blade shall have minimum 40% free area. The blades shall be positioned at 45° angle. The acoustical insulation material shall be fiberglass. The louver shall be powder coated and furnished to architectural requirement.