

DSM-T Acoustical Louver

Description

ASLI acoustical louvers, DSM-T are designed for intake and exhaust application where maximum noise reduction is required. The louver frames are 300mm depth and the blades are position at 30° angle.

Materials

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

Surface Finish

- White powder coated.

Screen

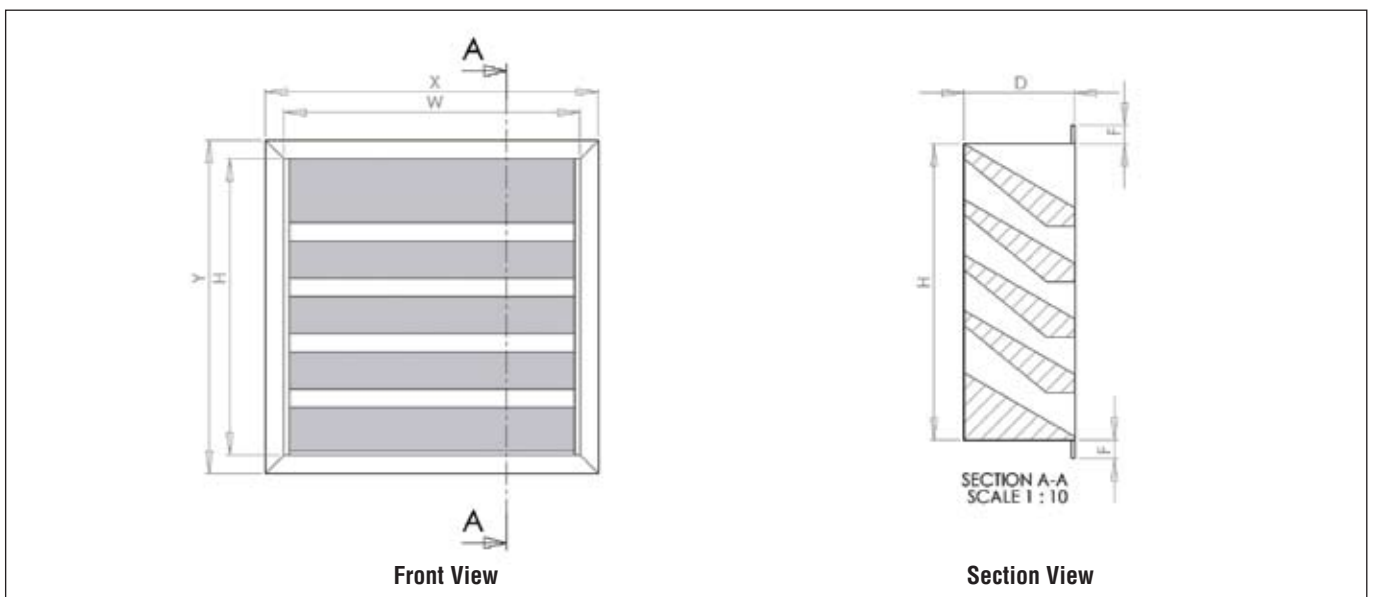
- Bird screen (optional).
- Insect screen (optional).

Features

- Approximately 26% free area.
- Low pressure drop.
- 42% free area on the perforated sheet.
- Louver blades positioned at 30° angle.
- Suitable for intake or exhaust air application.
- Architecturally pleasing appearance.



DSM-T Construction Illustrations



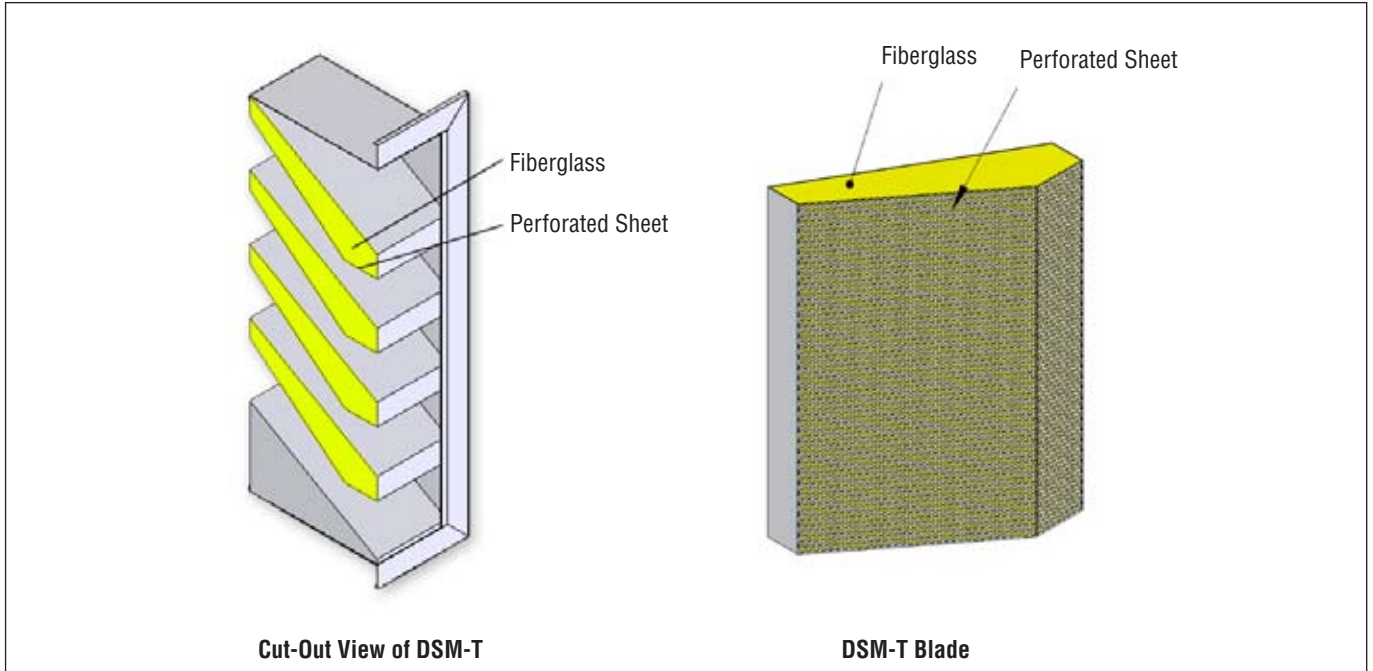
DSM-T Physical Dimension Unit:mm

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

All stated specifications are updated at the printing date and subject to change without notice or obligation. The actual product might differ from pictures shown.

DSM-T Acoustical Louver

■ DSM-T Illustrations



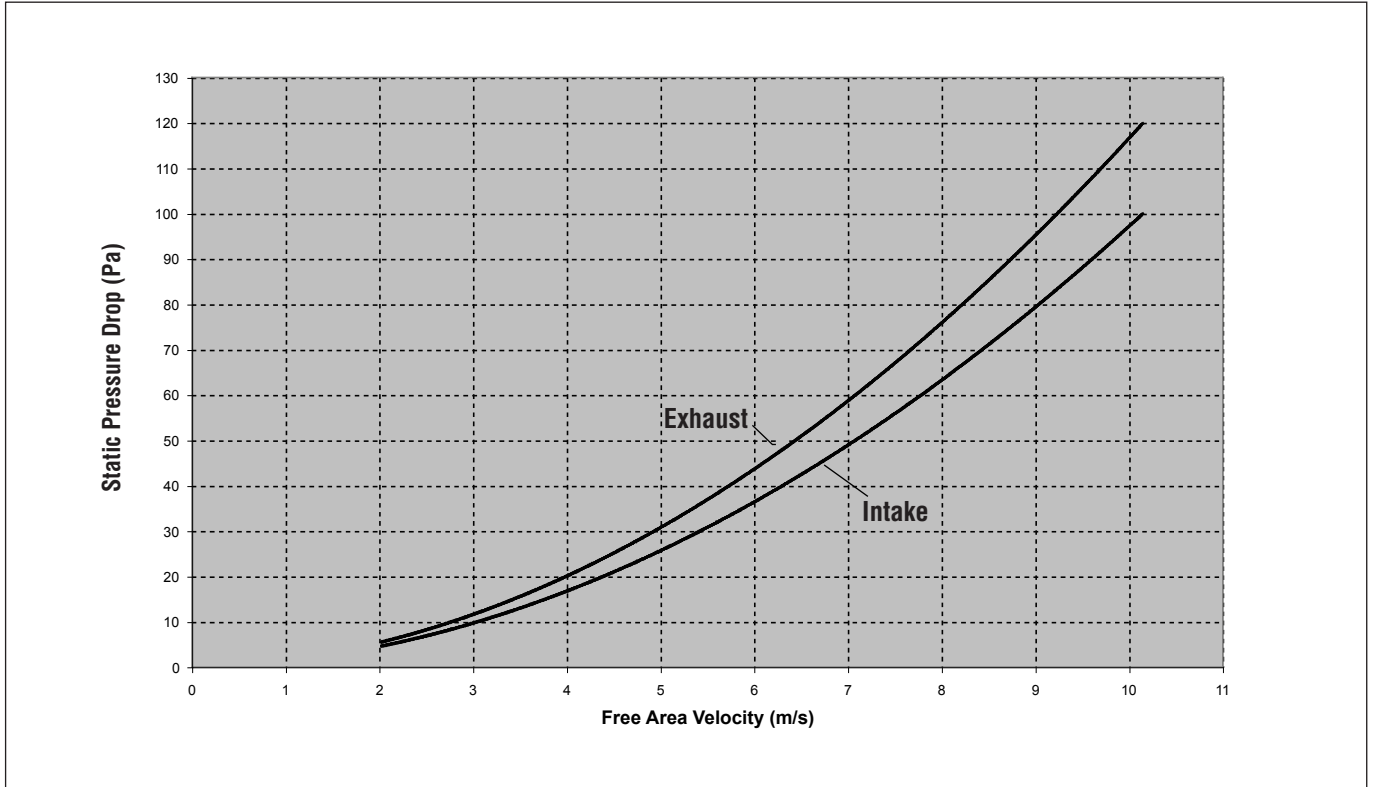
The louver blades are constructed with galvanized steel on exterior surface and perforated sheet on the interior surface that covers fiberglass. The noise transmitted through the louver will be absorbed by the fiberglass. Hence the noise will be greatly reduced.

■ DSM-T Performance Data

Octave Band/ Frequency (Hz)	Free Field Noise Reduction (dB)	Transmission Loss (dB)
1 / 63	14	8
2 / 125	15	9
3 / 250	10	4
4 / 500	15	9
5 / 1000	22	16
6 / 2000	28	22
7 / 4000	28	22
8 / 8000	25	19

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■ DSM-T Air Flow Resistance



■ DSM-T Suggested Specification

The acoustical louver shall be of ASLI, model DSM-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 constructed with galvanized steel on exterior surface and perforated sheet on the interior surface that covers fiberglass. The perforated sheet on the louver blade shall have minimum 40% free area. The louver blades shall be positioned at 30° angle. The acoustical insulation material shall be fiberglass. The louver shall be powder coated and furnished to architectural requirement.

■ DSM-T Order Code

Model	Neck Size (W xH)
DSM-T	N600mm x 600mm

Example: DSM-T-N600mm x 600m