LOUVERS
MODEL ASTL
ALUMINUM SAND TRAP LOUVER

STANDARD CONSTRUCTION

FRAME
EXTRUDED ALUMINUM 6063-T5, 2mm (5/64") THICK & 75mm (3") DEPTH.

BLADES
EXTRUDED ALUMINUM 6063-T5, 2mm (5/64") THICK

BLADE CENTERS:
75mm (3") MAXIMUM CENTERS TO CENTER CORROSION RESISTANT STEEL FASTNERS USED AT ASSEMBLY

SAND DRIP:
EXTRUDED ALUMINUM 6063-T5, 1.6mm (1/16") THICK

SCREEN:
BIRD SCREEN 10x10mm MADE OF 1mm WIRE AS STANDARD (OPTIONAL)

INSECT SCREEN:
ALUMINUM 18 x 16 MESH CORROSION RESISTANT (OPTIONAL)

FILTER:
ALUMINUM WASHABLE FILTER 25mm (1") OR 50mm (2") THICK (OPTIONAL)

FINISH:
MILL FINISH (STANDARD)
ANODIZE (OPTIONAL)
ALL RAL COLOR (OPTIONAL)

SIZES:
MINIMUM WIDTH: 12"
MINIMUM HEIGHT: 12"
MAXIMUM SINGLE SECTION: WIDTH 120" X HEIGHT 90"
MULTIPLE SECTION: UNLIMITED

Ref: ASTL
Email: kbe@kbeinternational.com -- www.kbeinternational.com
ALL STATED SPECIFICATION ARE SUBJECTED TO CHANGE WITHOUT NOTICE OR OBLIGATION.
**LOUVERS**

**MODEL ASTL**

**AIR PERFORMANCE**

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>Free Area Velocity - Cfm/Ft</th>
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<tr>
<td>12</td>
<td>0.24</td>
</tr>
<tr>
<td>18</td>
<td>0.54</td>
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<td>2.45</td>
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<tr>
<td>78</td>
<td>2.63</td>
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</tbody>
</table>

**FREE AREA CALCULATIONS ARE BASED ON TEST UNITS WITHOUT BIRD SCREEN**

Test on a 48"X48" Size Louver shows that the **FREE AREA is 3.75ft²**

Data Corrected to Standard air density

KBE International certify that
**ASTL**  Recessed mounting louver shown herein are licensed to bear the AMCA seal. The rating shown are based on test & procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program The AMCA Certified Rating Seal applies to Air Performance rating Only.

Ref : ASTL
RTI LAB Report No. B01141401

Test Description A non-standard dust (150-300 µm Graded Crushed Quartz) was fed to the sand louver using standard ASHRAE 52.2 test methodology. One dust load was performed at each of the air velocities shown. The weight of dust fed, the amount of dust swept up in the duct upstream of the filter after the dust load and blow-off, the weight of dust downstream of the filter, the weight of the final filter before and after the dust load, and the pressure drop across the louver were recorded. The dust, being very large, did not all reach the filter. However, the standard arrestance calculation does not include subtracting this dust from the dust fed because it is assumed that all of the dust will reach the filter. Since it seemed needed to do this for this dust, the results are reported showing the standard calculation.

AMCA certified Rating seal does not apply to Dust Arrestance Test Report.
LOUVERS
MODEL STL & ASTL
TYPICAL INSTALLATION DETAILS

MASONRY WALL INSTALLATION

CAULKING

STL LOUVER

CAULKING

WALL

FLANGE MOUNT

WALL

LOUVER FRAME

STL LOUVER

METAL PANEL INSTALLATION

INSULATION

CORRUGATED METAL

CAULKING

CAULKING

EXTENDED SILL