QUALIFICATIONS:
• Florida Product Approval No.: 19273.5
• Intertek Listed Building Product: Exterior Louvers.
• Tested in accordance with: TAS-201 (Large Missile Impact Test), TAS-202 (Uniform Static Air Pressure Test), TAS-203 (Cyclic Wind Pressure Loading Test).
• AMCA 500-L (Wind-Driven Rain, Water Penetration, Airflow).
• AMCA 540 (Wind-Borne Debris Impact Test [Enhanced "Level E" Protection]).
• AMCA 550 (High Velocity Wind-Driven Rain Resistance Test).
• Wind load rating +/- 50 PSF (standard) (up to 130 PSF dependent on size and configuration).

STANDARD CONSTRUCTION:
FRAME: 5" (127) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.
BLADES: Type 6063-T6 extruded aluminum, .060" (1.52) nominal wall thickness, with reinforcing bosses.
BLADE ANGLE: Fixed at 45 degrees.
BLADE SPACING: Approximately 1 1/2" (38) on centers.
BLADE SUPPORT: 2.5" (64) strap every 60" (1524) or less in height.
SCREEN: 5/8" x .050 (16 x 1.3) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approximately 3/8" [10] to louver depth).
FINISH: Mill.
MINIMUM SIZE: 12" W x 12" H (305 x 305).
MAX. SINGLE SECTION SIZE: 72" W x 120" H (1829 x 3048) or 120" W x 72" H (3048 x 1829).
APPROXIMATE SHIPPING WEIGHT: 5 lbs. per ft² (24.4 Kg per m²).

OPTIONS:
- BSSS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSS Type 304 S.S. Insect Screen.
- FL Flanged Frame.
- ESI Extended Sill.
- PASI Sill Pan.
- Other: ____________________

OPTIONAL FINISHES:
- PC3 Powder Coat AAMA 2603. Color: ________.
- PC4 High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ________.
- PC5 Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: ________.
- PCC Prime Coat.
- AN04 Clear Anodized 204-R1.
- AN15 Clear Anodized 215-R1.
- ANLB Light Bronze.
- ANMB Medium Bronze.
- ANDB Dark Bronze.
- ANBK Black.

For Installation Instructions, see IOM-LOUVERINSTFPA
EXTRUDED ALUMINUM STATIONARY LOUVER
FLORIDA PRODUCT APPROVED
HIGH VELOCITY WIND-DRIVEN RAIN RESISTANT
5” (127) DEEP • VERTICAL BLADE • PERFORMANCE DATA
MODEL: 1605WDVF

AIRFLOW/WATER PENETRATION DATA
for 48” x 48” (1219 x 1219) Louver Size

<table>
<thead>
<tr>
<th>Free Area %</th>
<th>55%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft. (sq. m.)</td>
<td>8.77 (0.81)</td>
</tr>
</tbody>
</table>

**INTAKE**

<table>
<thead>
<tr>
<th>Free Area Velocity at Point of Beginning Water Penetration at .01 oz/sq. ft. (3 ml/sq. m) (15 min. test duration)</th>
<th>1250 fpm (381 m/min.)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Volume at 1250 fpm Free Area Velocity</td>
<td>10,963 cfm (5174 l/s)</td>
</tr>
<tr>
<td>Pressure Drop @ 1000 fpm</td>
<td>.18 in. w.g. (45 Pa)</td>
</tr>
</tbody>
</table>

**NOTE:** To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is below the beginning point of water penetration. Maximum Free Area Velocity tested is 1250 fpm. Beginning point of water penetration for this model is above 1250 fpm.

**WIND DRIVEN RAIN PERFORMANCE**

<table>
<thead>
<tr>
<th>Rate in fpm (m/s)</th>
<th>0</th>
<th>0.00 (0.00)</th>
<th>0.15 (0.06)</th>
<th>0.30 (0.12)</th>
<th>0.45 (0.18)</th>
<th>0.60 (0.24)</th>
<th>0.75 (0.30)</th>
<th>0.90 (0.36)</th>
<th>1.05 (0.42)</th>
<th>1.20 (0.48)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Ventilation</td>
<td>0</td>
<td>119 (0.09)</td>
<td>196 (0.16)</td>
<td>280 (0.22)</td>
<td>399 (0.31)</td>
<td>590 (0.48)</td>
<td>759 (0.61)</td>
<td>973 (0.78)</td>
<td>1157 (0.94)</td>
<td>1424 (1.15)</td>
</tr>
<tr>
<td>Free Area Ventilation</td>
<td>0</td>
<td>200 (0.16)</td>
<td>356 (0.29)</td>
<td>509 (0.39)</td>
<td>725 (0.57)</td>
<td>907 (0.73)</td>
<td>1278 (1.04)</td>
<td>1424 (1.15)</td>
<td>1625 (1.31)</td>
<td>178 (1.46)</td>
</tr>
<tr>
<td>Effectiveness Ratio (%)</td>
<td>100</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
</tr>
<tr>
<td>Penetration Class</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

Test was based on a 39.375” x 39.375” (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 3” per hour (76 mm/hour) with a wind velocity of 25 mph (13 m/s).

**DISCHARGE LOSS COEFFICIENT CLASS (INTAKE):** 2. (Discharge Loss Coefficient Classification is as follows: 1=0.4 and above, 2=0.3 to 0.399, 3 = 0.2 to 0.299, 4 = 0.199 and below.)

**FREE AREA %**

<table>
<thead>
<tr>
<th>Rate in fpm (m/s)</th>
<th>0</th>
<th>0.00 (0.00)</th>
<th>0.15 (0.06)</th>
<th>0.30 (0.12)</th>
<th>0.45 (0.18)</th>
<th>0.60 (0.24)</th>
<th>0.75 (0.30)</th>
<th>0.90 (0.36)</th>
<th>1.05 (0.42)</th>
<th>1.20 (0.48)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Ventilation</td>
<td>0</td>
<td>88 (0.07)</td>
<td>199 (0.16)</td>
<td>300 (0.24)</td>
<td>399 (0.31)</td>
<td>590 (0.48)</td>
<td>866 (0.70)</td>
<td>1071 (0.86)</td>
<td>1247 (1.01)</td>
<td>1625 (1.31)</td>
</tr>
<tr>
<td>Free Area Ventilation</td>
<td>0</td>
<td>160 (0.13)</td>
<td>362 (0.29)</td>
<td>545 (0.43)</td>
<td>725 (0.57)</td>
<td>880 (0.71)</td>
<td>1247 (1.01)</td>
<td>1424 (1.15)</td>
<td>1604 (1.31)</td>
<td>1795 (1.46)</td>
</tr>
<tr>
<td>Effectiveness Ratio (%)</td>
<td>100</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
<td>100 (1.0)</td>
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<tr>
<td>Penetration Class</td>
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<td>A</td>
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<td>A</td>
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<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

Test was based on a 39.375” x 39.375” (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 8” per hour (203 mm/hour) with a wind velocity of 50 mph (22 m/s).

**DISCHARGE LOSS COEFFICIENT CLASS (INTAKE):** 2. (Discharge Loss Coefficient Classification is as follows: 1=0.4 and above, 2=0.3 to 0.399, 3 = 0.2 to 0.299, 4 = 0.199 and below.)

**NOTE:** Free Area Velocity at Point of Beginning Water Penetration at .01 oz/sq. ft. (3 ml/sq. m) at 15 min. test duration.

Nailor Industries Inc. certifies the Model 1605WDVF shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. Seal applies to air performance, water penetration and wind driven rain performance ratings.