QUALIFICATIONS:
- Florida Product Approval Pending.
- Tested in accordance with: TAS-201 (Large Missile Impact Test), TAS-202 (Uniform Static Air Pressure Test) and TAS-203 (Cyclic Wind Pressure Loading Test).
- AMCA 500-L (Water Penetration, Airflow).
- AMCA 540 (Wind-Borne Debris Impact Test [Enhanced "Level E" Protection]).
- AMCA 550 (High Velocity Wind-Driven Rain Resistance Test [with optional Model 2020 damper in closed position]).
- Wind load rating +/- 50 PSF (standard) (up to +/- 150 PSF dependent on size and configuration).

STANDARD CONSTRUCTION:
FRAME: 6" (152) deep, Type 6063-T6 extruded aluminum, .120" (3.05) nominal wall thickness. Integral downsputs and caulking slot provided.
BLADES: Type 6063-T6 extruded aluminum, .100" (2.54) nominal wall thickness, with reinforcing bosses.
BLADE ANGLE: Fixed at 37.5 degrees.
BLADE SPACING: Approximately 4" (102) on centers.
BLADE SUPPORT: Concealed type, factory installed on rear of louver. Size varies based on design pressure, consult Nailor.
SCREEN: 5/8" x .050 (15.9 x 1.27) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approx. 3/8" [10] to louver depth).
FINISH: Mill.
MINIMUM SIZE: 12" W x 12" H (305 x 305).
MAX. SINGLE: 108" W x 84" H (2743 x 2134) or 84" W x 120" H (2134 x 3048) (36" W x 120" H [914 x 3048] with optional Model 2020 damper).
Larger louvers will require field assembly of smaller sections.
OVERALL MAX. SIZE: Unlimited Width x 120" H (3048).

OPTIONS:
- BS3S 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.
- PSSI Sil 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.

OPT. FACTORY MOUNTED
2020 CONTROL DAMPER:
- Extruded Aluminum
- Opposed Airfoil Blades
- Concealed Linkage
- Silicone Blade Seal
- Cambered Stainless Steel Jamb Seals
- 1/2" (13) Plated Steel Axles

For Installation Instructions, see IOM-LOUVERINSTFPA.
**AIRFLOW/WATER PENETRATION DATA**

for 48" x 48" (1219 x 1219) Louver Size

<table>
<thead>
<tr>
<th>Free Area %</th>
<th>60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft. (sq. m.)</td>
<td>9.65 (0.90)</td>
</tr>
<tr>
<td>Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)</td>
<td>1186 fpm (361 m/min.)</td>
</tr>
<tr>
<td>Air Volume at 1186 fpm Free Area Velocity</td>
<td>11,445 cfm (5401 l/s)</td>
</tr>
<tr>
<td>Pressure Drop @ 1000 fpm</td>
<td>.15 in. w.g. (37 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.

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**PRESSURE DROP**

![Pressure Drop Graph](image)

Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48" x 48" (1219 x 1219 mm).
Standard air density @ 0.075 lbs/ft³.
Tested to AMCA Fig. 5.5 – 6.5.

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Safe-Air Dowco certifies the Model 1606DHPF 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 ratings and water penetration ratings.

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Safe-Air Dowco certifies the Model 1606DHPF shown herein is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA publications and comply with the requirements of the AMCA Listing Label Program. The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers. The AMCA Listing Label applies to High Velocity Wind Driven Rain Resistant Louvers.
FREE AREA in Square Feet and Square Meters

<table>
<thead>
<tr>
<th>Width in Inches and Meters</th>
<th>12</th>
<th>18</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>42</th>
<th>48</th>
<th>54</th>
<th>60</th>
<th>66</th>
<th>72</th>
<th>78</th>
<th>84</th>
<th>90</th>
<th>96</th>
<th>102</th>
<th>108</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Blade • Performance Data</td>
<td>0.31</td>
<td>0.47</td>
<td>0.63</td>
<td>0.79</td>
<td>0.95</td>
<td>1.12</td>
<td>1.29</td>
<td>1.46</td>
<td>1.63</td>
<td>1.80</td>
<td>1.97</td>
<td>2.14</td>
<td>2.31</td>
<td>2.48</td>
<td>2.65</td>
<td>2.82</td>
<td>3.00</td>
</tr>
<tr>
<td>High Performance Drainable Blade • 6&quot; (152) Deep</td>
<td>0.30</td>
<td>0.46</td>
<td>0.62</td>
<td>0.78</td>
<td>0.94</td>
<td>1.10</td>
<td>1.26</td>
<td>1.43</td>
<td>1.59</td>
<td>1.76</td>
<td>1.92</td>
<td>2.09</td>
<td>2.25</td>
<td>2.41</td>
<td>2.58</td>
<td>2.74</td>
<td>2.91</td>
</tr>
<tr>
<td>Florida Product Approval Pending</td>
<td>0.29</td>
<td>0.45</td>
<td>0.61</td>
<td>0.77</td>
<td>0.93</td>
<td>1.09</td>
<td>1.25</td>
<td>1.41</td>
<td>1.57</td>
<td>1.73</td>
<td>1.89</td>
<td>2.05</td>
<td>2.22</td>
<td>2.38</td>
<td>2.54</td>
<td>2.70</td>
<td>2.86</td>
</tr>
<tr>
<td>Extruded Aluminum Stationary Louver</td>
<td>0.28</td>
<td>0.44</td>
<td>0.60</td>
<td>0.76</td>
<td>0.92</td>
<td>1.08</td>
<td>1.24</td>
<td>1.40</td>
<td>1.56</td>
<td>1.72</td>
<td>1.88</td>
<td>2.04</td>
<td>2.20</td>
<td>2.36</td>
<td>2.52</td>
<td>2.68</td>
<td>2.84</td>
</tr>
</tbody>
</table>

Dimensions are in inches (mm).

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Safe-Air Dowco reserves the right to change any information concerning product or pricing without notice.