ELF6375DFL DRAINABLE STATIONARY LOUVER
EXTRUDED ALUMINUM LOUVER
UL Listed for 50 PSF Windload Florida Product Approval # FL6068

STANDARD CONSTRUCTION

FRAME
6" (152) deep, 6063T6 extruded aluminum. .081" (2.1) nominal wall thickness. Downspouts and caulking slots provided.

BLADES
6063T6 extruded aluminum. .081" (2.1) nominal wall thickness. Drainable blades are positioned at 37½° angle and spaced approximately 5½/32" (150) center to center.

SCREEN
¾" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately ½" (13) to louver depth.

FINISH
Mill.

WINDLOAD
±50 psf (2.39 kPA).

MINIMUM SIZE
12"w x 12"h (305 x 305).

APPROXIMATE SHIPPING WEIGHT
5 lbs./ft.² (24.4 kg/m²).

MAXIMUM SIZE
Maximum single ship section size 90"w x 120"h (2286 x 3048) or 120"w x 90"h (3048 x 2286). Maximum field assembled size of ship sections is 180"w x 120"h (4572 x 3048) or 240"w x 90"h (6096 x 2286). A maximum of two sections may be joined side by side. Single section heights only: sections cannot be stacked in height. Openings taller than the maximum louver height will need to be divided into multiple openings with suitable structural members. Structural members are not designed by others or provided by Ruskin.

INSTALLATION
Must be installed per approved installation method. Refer to the related installation instruction sheet for details.

SUPPORTS
Factory installed on louvers over 60" wide. Depth varies from 3" (76) to 6" (152) depending on louver size (consult Ruskin for more information).

Consult Ruskin for additional information.

Dimensions in parenthesis ( ) indicate millimeters.

UL CLASSIFIED as a Wind Resistant Building Component in accordance with ASTM E330-02 for ±50 psf (2.39 kPA) windload. UL File No. R22052.

FEATURES
• AMCA540 Listed (Basic Protection)
• Meets 2004 Florida Building Code TAS202-94 requirements ±50 psf windload.
• 57% Free Area (48"w x 48"h [1219 x 1219]).
• Published performance ratings based on testing in accordance with AMCA Publication 511.
• Listed for AMCA540 Basic Impact Protection
• High performance frame system with drainable head collects and removes water to provide excellent water penetration performance.
• Drain gutter in each blade minimizes water cascade between blades.
• Architecturally styled hidden mullions allowing continuous line appearance up to 120" (3048). 
• All aluminum construction for low maintenance and high resistance to corrosion.
• All welded construction.

VARIATIONS
Variations to the basic design of this louver are available at additional cost. They include:
• Extended sill.
• Front or rear security bars.
• Filter racks.
• A variety of bird and insect screens.
• Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearlized 50 & 70, clear & color anodize. (Some variation in anodize color consistency is possible.)
• Sleeve Option
Consult Ruskin for other special requirements.

Support
Bird Screen
Varies Support as required

A* B*

*Units furnished ¼" (6) smaller than given opening dimensions.

Standard
Integral Flange

Spec ELF6375DFL-619/Replaces ELF6375DFL-1218
ALL STATED SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
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Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be UL Classified for wind resistant building components in accordance with ASTM E330-02 for ±50 psf windload. Louvers shall be stationary drainable type with drain gutters in each blade and downspouts in jambs and mullions. Louvers shall have a minimum of 57% free area based on a 48" wide x 48" high (1219 x 1219) size. Stationary drainable blades shall be contained within a 6" (152) frame. Louver components (heads, jambs, sills, blades, & mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall limit span between visible mullion to 10 feet (3) and shall incorporate structural supports required to withstand a wind load of 50 lbs. per sq. ft. (.96kPa)

Louvers shall be Ruskin Model ELF6375DFL extruded 6063T6 aluminum alloy construction as follows:

Frame: 6" (152) deep, .081" (2.1) wall thickness
Blades: .081" (2.1) wall thickness. Drainable blades are positioned at 37 1/2° angle and spaced approximately 5 9/32" (150) center to center.
Screen: 5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame.
Finish: Select finish specification from Ruskin Finishes Brochure.

Published louver performance data bearing: a) AMCA Certified Ratings Seal for Air Performance & Water Penetration and b) UL classification information and file number must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the Ruskin model specified.

PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500-L is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.

WATER PENETRATION

Test size 48" wide x 48" high (1219 x 1219)
Beginning point of water penetration at .01 oz./sq. ft. is 932 fpm (283 m/min).

<table>
<thead>
<tr>
<th>Free Area Velocity in feet (meters) per minute</th>
<th>Standard air .075 lb/ft³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oz. Water/ft² (ounces water/m²) of Free Area</td>
<td></td>
</tr>
<tr>
<td>15 min. test period</td>
<td></td>
</tr>
<tr>
<td>0.000</td>
<td></td>
</tr>
<tr>
<td>0.050</td>
<td></td>
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<td>0.100</td>
<td></td>
</tr>
<tr>
<td>0.150</td>
<td></td>
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<tr>
<td>0.200</td>
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</table>
### Free Area Guide

Free Area Guide shows free area in ft² and m² for various sizes of ELF6375DFL.

**Width – Inches and Meters**

<table>
<thead>
<tr>
<th>Height – Inches</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>
<th>114</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>0.30</td>
<td>0.46</td>
<td>0.61</td>
<td>0.76</td>
<td>0.91</td>
<td>1.07</td>
<td>1.22</td>
<td>1.37</td>
<td>1.52</td>
<td>1.67</td>
<td>1.83</td>
<td>2.00</td>
<td>2.15</td>
<td>2.31</td>
<td>2.47</td>
<td>2.63</td>
<td>2.79</td>
<td>2.95</td>
<td>3.11</td>
</tr>
<tr>
<td>Meters</td>
<td>0.76</td>
<td>1.17</td>
<td>1.70</td>
<td>2.32</td>
<td>3.04</td>
<td>3.86</td>
<td>4.80</td>
<td>5.83</td>
<td>6.96</td>
<td>8.19</td>
<td>9.43</td>
<td>10.70</td>
<td>11.95</td>
<td>13.20</td>
<td>14.45</td>
<td>15.70</td>
<td>16.95</td>
<td>18.20</td>
<td>19.45</td>
</tr>
</tbody>
</table>

### Pressure Drop

Test size 48" wide x 48" high (1219 x 1219).

Ratings do not include the effect of a bird screen.

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**FREE AREA GUIDE**

**Test size 48" wide x 48" high (1219 x 1219).**

Ratings do not include the effect of a bird screen.
WOOD, CONCRETE, STEEL & CMU WALL
SINGLE SECTION
INSTALLATION