5DDWRG WIND-DRIVEN
RAIN RESISTANT STATIONARY LOUVER
EXTRUDED ALUMINUM

STANDARD CONSTRUCTION

FRAME
5" (127) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness.

BLADES
.062 (1.6) blades
6063T5 extruded aluminum .063" (1.6) nominal wall thickness. Double drainable blades are sightproof and spaced approximately 2" (51) center to center.

SCREEN
5/8" x .040" (16 x 1) expanded flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

FINISH
Mill.

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

APPROXIMATE SHIPPING WEIGHT
7 lbs. per sq. ft. (34.2 kg/m²)

MAXIMUM FACTORY ASSEMBLY SIZE
Single sections shall not exceed 120" x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048).
Louvers larger than the maximum single section size will require field assembly of smaller sections.

SUPPORTS
Louvers may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.
Consult Reliable for additional information.

FEATURES

• Closely spaced horizontal blades minimize the penetration of wind-driven rain, reducing damage and additional operating expenses.
• Tested in the AMCA 5DD-L Wind-Driven Rain Penetration Test.
• Published performance ratings based on testing in accordance with AMCA Publication 511.
• 47% Free Area.
• Excellent pressure drop performance.
• Aluminum construction for low maintenance and high resistance to corrosion.

VARIATIONS

• Extended sill.
• Hinged frame.
• Front or rear security bars.
• Filter racks.
• Installation angles.
• A variety of bird and insect screens.
• Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearledize 50 & 70, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible).
Consult Reliable for other special requirements.

FRAME CONSTRUCTION

Dimensions in inches, parenthesis (   ) indicate millimeters.
*Units furnished 1/4" (6) smaller than given opening dimensions.

TAG  QTY.  SIZE  FRAME  VARIATIONS

A*-WIDE  B*-HIGH

PROJECT  ARCH./ENGR.  LOCATION
ARCHITECT  REPRESENTATIVE  CONTRACTOR
DATE
TYPICAL INSTALLATION DETAILS

**Masonry Wall**
- Masonry Wall
- Sealant (by others)
- Louver
- *Clip angles and fasteners*
- Extended Sill with end Dams (optional)

**Flange Mount**
- Wall
- Flange Frame
- Louver
- Fasteners (by others)

**Metal Panel Wall**
- Metal Wall
- Drip Cap (optional)
- Sealant (by others)
- Louver
- Clip angles and fasteners (optional)
- Extended Sill with end Dams (optional)

**Wood Installation**
- Wood
- Sealant (by others)
- Louver
- Clip angles and fasteners (optional)
- Extended Sill with end Dams (optional)
- Sheathing
Relyable Products certifies that the louver 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. The AMCA Certified Ratings Seal applies to air performance ratings, water penetration ratings and wind driven rain ratings only.

### Pressure Drop

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

Air Velocity in feet (meters) per minute through Free Area
(Data corrected to standard air density and AMCA figure tested to 5.5)

### Water Penetration Graph

Test size 48” x 48” (1219 x 1219)

Beginning point of water penetration at .01 oz./sq. ft. is above 1250 fpm (381 m/min.)

Oz. Water/ft² (m²) of Free Area

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<th>.01</th>
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<td>(2.49)</td>
<td>(4.98)</td>
<td>(9.96)</td>
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Pressure Drop in Inches w.g. (Pa)

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Ratings do not include the effect of a bird screen.
# WIND-DRIVEN RAIN PERFORMANCE

Test size is 1 m x 1 m (39" x 39") core area, 1.04 m x 1.12 m (41" x 44") nominal. Free Area of test louvre is 5.45 ft² (0.51 m²).

### Core Area
- **Intake**
- **Discharge**
- **Loss**

### Class 2

### Wind Driven Rain Penetration Classes:

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<th>Class 3</th>
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### Free Area Guide

Free Area Guide shows free area in ft² and m² for various sizes of 5DDWRG. Width – Inches and Meters

### Core Area
- **Intake**
- **Discharge**
- **Loss**

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