

MODEL: DC-SDFE

Extruded Aluminum Louvered Equipment Enclosure

Miami-Dade County, FL
NOA No: 06-0403-07
Expiration Date: 02/08/12
FL#: FL8852

APPLICATION:

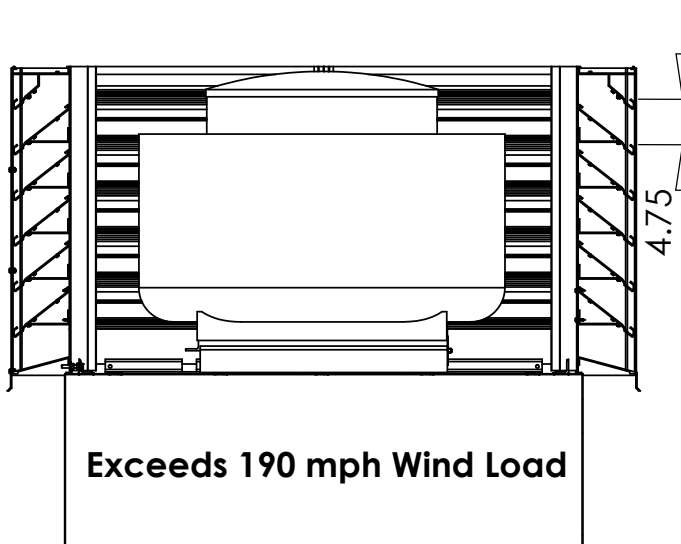
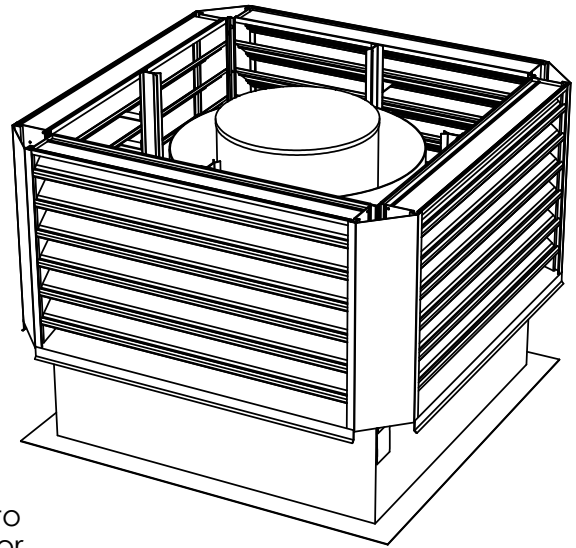
DC-SDFE is a severe duty extruded aluminum louvered equipment enclosure incorporating Leader's Model DC-638 Miami Dade approved Louvers. This enclosure provides protection from wind blown debris for roof mounted fans and equipment.

- Easily attached from outside perimeter using common hand tools.
- Shipped either fully assembled or in sections for quick field assembly.
- Used for either intake or exhaust applications.

SPECIAL FEATURES:

Leader is continually designing products with installation and maintenance in mind. That's why we have incorporated certain "Ease of Use" features into the DC-SDFE. These features make the DC-SDFE ideal for applications such as a grease exhaust fan that needs to be cleaned on a regular basis:

- Quick installation to Leader supplied curbs without having to access the inside of the enclosure.
- Easily removable louver panels allowing access to the fan or equipment.
- Optional hinged curb cap to easily tilt the fan or equipment out of the way.



STANDARD CONSTRUCTION:

- **Louver Panel Frames:**
Heavy gauge 6" x 0.125" thick extruded 6063 aluminum.
- **Louver Panel Blades:**
Drainable design 0.125" thick extruded 6063 aluminum mechanically fastened and welded to the jambs on backside of blade, set on 38 degree angles.
- **Minimum Throat Size:**
12" wide x 12" long x 12" high
- **Maximum Throat Size:**
84" wide x 96" long x 84" high

DC-SDFE is specifically designed to meet the following Miami Dade County test requirements and protocols:

- **PA 201-94** (Large Missile Impact test)
- **PA 202-94** (Uniform Static Air Pressure test)
- **PA 203-94** (Cycle Wind Loading test)

Design Pressure Rating
+100.0 PSF / -100.0 PSF

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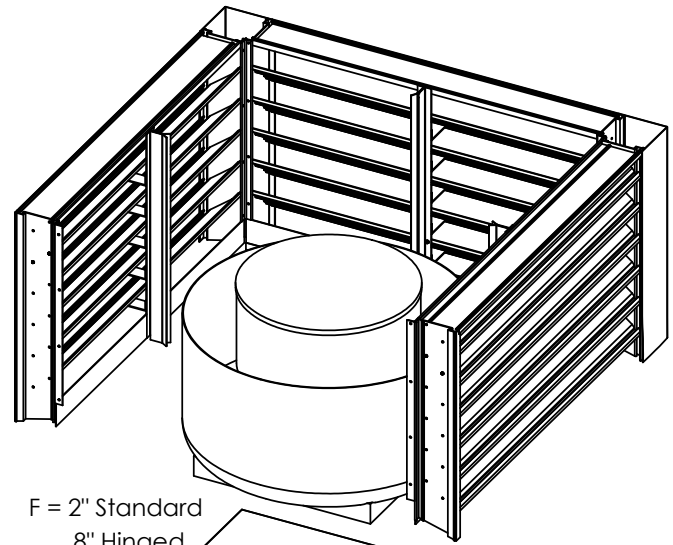
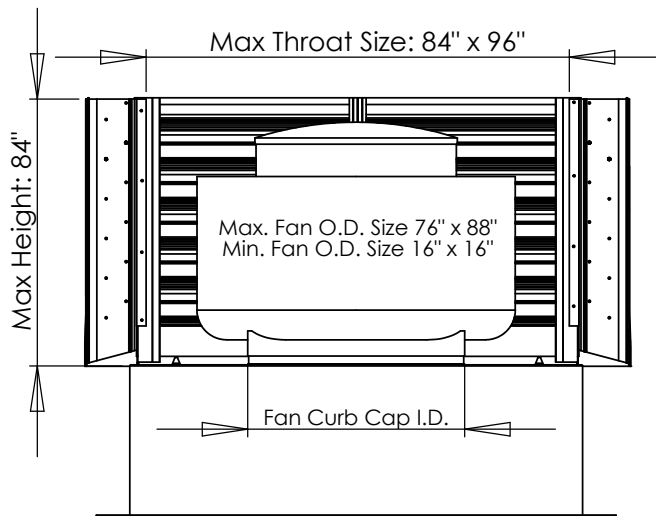
P.O. Box 40913
Nashville, TN 37204
www.leaderindustries.com
A Division of Leader Industries, Inc.

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DIMENSIONAL DATA



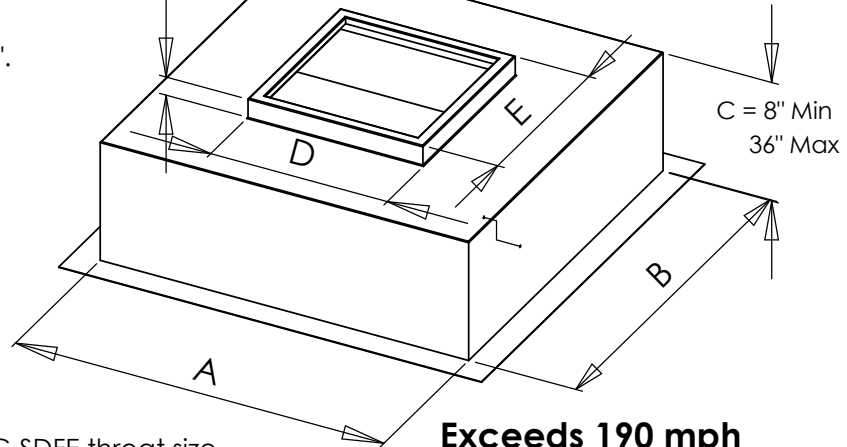
The DC-SDFE throat size is the max. fan O.D. size + 8".
 The DC-SDFE height is the total fan height + 2".

Curb Models:

- DC-CSSF-NN for flat roofs.
- DC-CSSF-P-NN for pitched roofs

Curb Options:

- Hinge Kit (Max. Fan Weight 450 lbs.)
- Drop Damper Shelf
- Burglar Bars



Roof Curb dimensions (AxB) are 1.25" larger than DC-SDFE throat size.
 Roof Curb Dimensions (DxE) are .75" less than Fan Curb Cap I.D. size.

**Exceeds 190 mph
 Wind Load**

		<u>Fan Dimensions</u>				<u>Curb Dimensions</u>						
MARK	QTY	Width	Height	Curb Cap I.D.	Weight	A	B	C	D	E	F	Options

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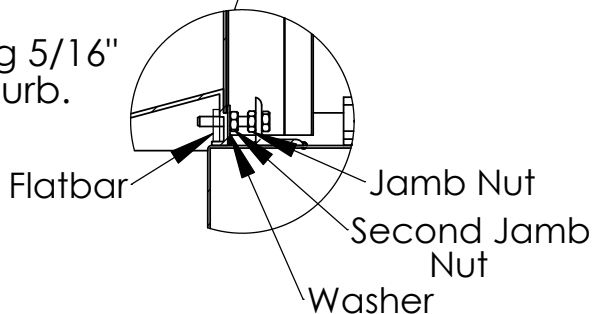
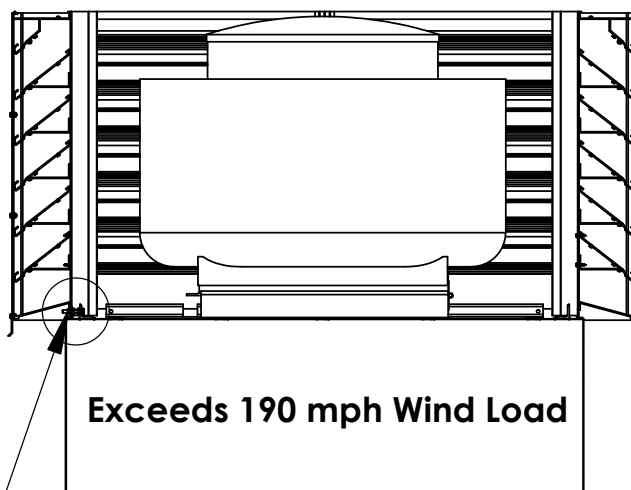
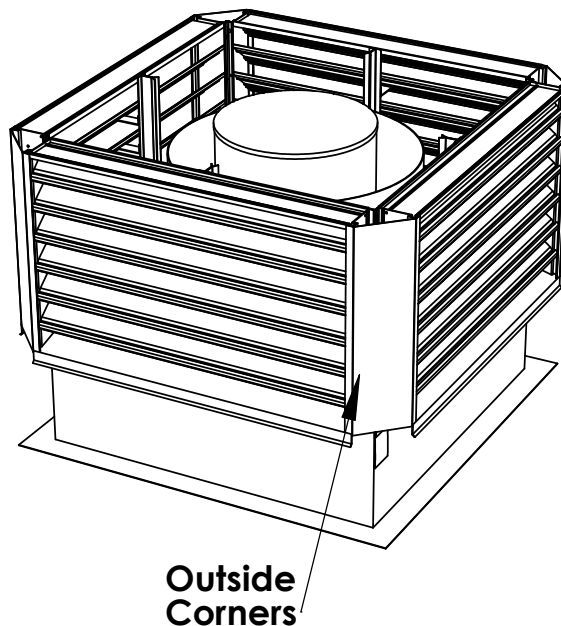
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Installation Instructions

INSTALLATION STEPS:

- 1) Install the curb using the dade county installation requirements. Curb must be designed for the DC-SDFE model.
- 2) Install the 5/16" bolts, in the angle that is attached to the top of the curb, by using one jamb nut per bolt. Then Place a second nut with a flat washer on the outside so that you have something to jamb the louver panel up against.
- 3) Stand first panel on edge of curb with slots straddling the bolts. Loosely secure the louver panel onto bolt by sandwiching the louver panel between the Flatbar and the washer/jamb nut.
- 4) Stand second panel up, referring back to step 3.
- 5) Line up corners of first and second panel and install 1/4" bolts to attach panels together. After all bolts are loosely placed on both panels, go back and tighten all 1/4" bolts.
- 6) Repeat steps 4-6 for remaining 2 sides.
- 7) Put Outside corners on with 1/4" x 1/2 bolts and nuts.
- 8) Check that all bolts on corners are tight.
- 9) Go back and finish tightening 5/16" bolts holding louver panels to curb.



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DC- SDFE Hurricane Fan / Equipment Enclosure Specifications

All Severe Duty Hurricane Louvered Fan / Equipment Enclosures shall have been tested and successfully passed the Miami-Dade County requirements as listed below for impact resistance, static and cyclic air pressure testing as set forth by the Miami-Dade County Building Code Compliance Office and carry the appropriate NOA* seal.

- A. Impact Test: TAS 201 Large Missile
- B. B. Uniform Static Pressure Test: TAS 202
- C. Cyclic Wind Pressure Load Test TAS 203 with a Specimen Design Pressure (DP) rating not less than 100 pounds per square foot.

The **DC-SDFE** Louvered Fan / Equipment Enclosure is a severe duty extruded aluminum enclosure constructed utilizing the Model DC-638 Miami Dade approved louvers. The DC- 638 six inch deep Hurricane Louvers are a drainable blade design incorporates integral water drains concealed within the louver jambs to carry water away from the outer face. Louver Blades, Jamb Headers and Sills shall be constructed of a minimum .125 thick extruded 6063 T5 aluminum alloy.

The **DC- SDFE** is constructed using four DC-638 six-inch deep Hurricane Louvers providing excellent protection from wind borne debris to the equipment located inside but unlike a penthouse, it has no roof. The protective louver panels are easily removed individually or all, allowing for full access to the fan or equipment inside for servicing. With a factory supplied Miami Dade approved roof curb, the **DC-SDFE** is easily installed from the outside perimeter with out having access to the inside with simple hand tools. The addition of the optional hinged curb cap allows the fan or equipment to be easily tilted back out of the way for inspection or cleaning. This is ideal for applications where a grease fan requires regular service.

*Results based on NOA # 05-1114.05

Acceptable Manufacturers

Leader Dampers & Louvers Model **DC- SDFE**.