

MODEL DCFL-D-6

6" DEEP HURRICANE LOUVER

MIAMI-DADE COUNTY, FLORIDA NOTICE OF ACCEPTANCE #: 25-0805.05 (EXPIRES 01-17-27)
 FLORIDA BUILDING CODE PRODUCT APPROVAL #: FL3284
 TEXAS DEPARTMENT OF INSURANCE SUBMITTAL I.D. #: 6184

STANDARD CONSTRUCTION:

FRAME:

.125 Extruded Aluminum 6.20" deep.

BLADES:

.081 Extruded Aluminum Positioned on a 37° angle on approximately 4.64" centers.

BIRDSCREEN:

.50" X .050" Flattened Aluminum in Removable Frame. Screen is mounted on inside (rear) as looking from exterior of building.

FINISH:

Mill Aluminum (Std.)

MINIMUM SIZE:

12"w x 12"h

MAXIMUM SIZE:

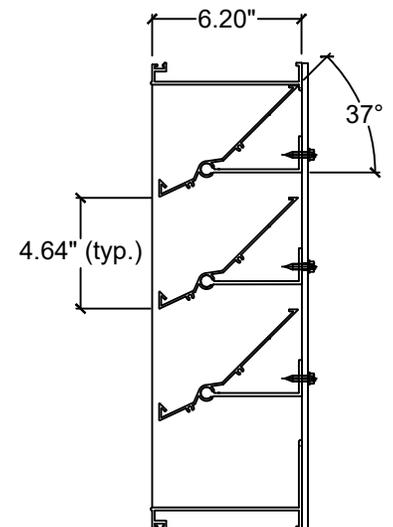
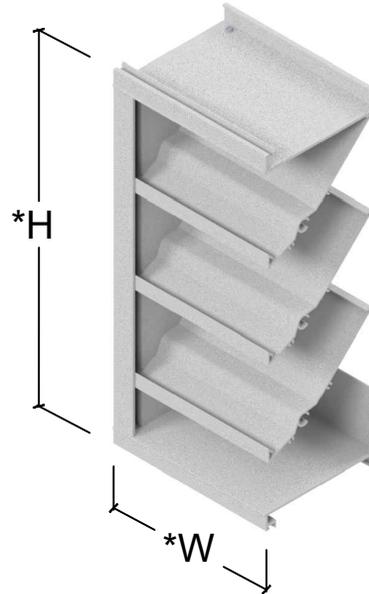
72"w x 72"h single section
 Larger sizes made in multiple sections with vertical mullions.

OPTIONS:

- Flanged Frame (1.5" std.)
- Custom Flange (1", 2", or 3")
- Extended Sill
- Insect Screen (Other Screens Available, See Screen Page)
- Filter Racks (no screen)
- Security Bars
- .090" Alum. Sleeve, 12" deep
- .125" Alum. Sleeve, 12" deep

AVAILABLE FINISHES:

- Durable Polyester (AAMA 2604)
- 70% PVDF Fluoropolymer (AAMA 2605)
- Yellow Primer



Section View

Maximum Design Pressure Rating
 +150.0, -150.0 psf
 Large Missile Impact Resistance

Product approval in accordance with 2023 edition-
 Florida Building Code. Design wind loads shall be
 determined as per section 1620 of the above
 mentioned code in accordance with ASCE-7-10
 Standard

BASIC LEVEL
 IMPACT TESTED (9lb 2x4 @50 fps)



*Width and Height dimensions are approximately 1/4" under listed size.

Due to continuing research, United Enertech reserves the right to change specifications without notice.

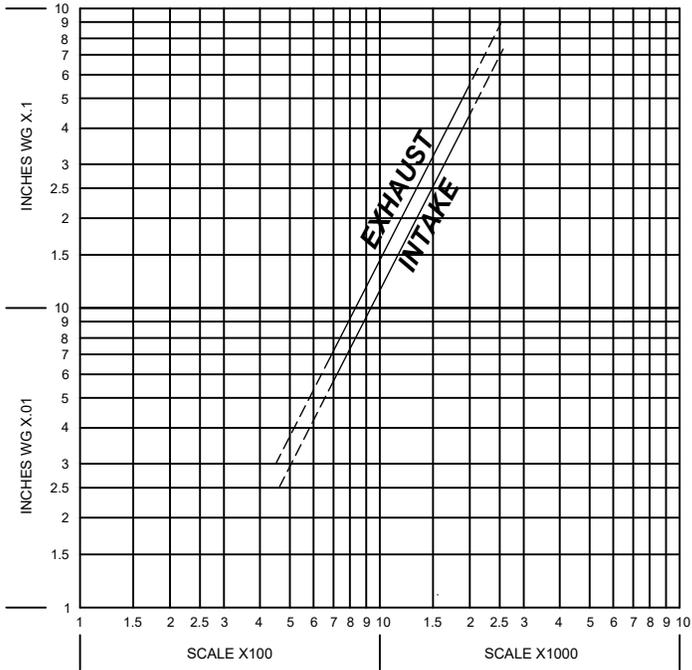
UnitedEnertech

3005 South Hickory Street
 Chattanooga, Tennessee 37407
 Tel: (423) 698-7715
 Fax: (423) 698-6629
 www.unitedenertech.com

MODEL DCFL-D-6 (Hurricane Louver w/ drainable blades and jamb gutter downspouts)

DRAWN BY: CLJ	DATE: January 2002	REV. DATE: March 2026	REV. NO. 14	DWG. NO.: A-22
------------------	-----------------------	--------------------------	----------------	--------------------------

AIR FLOW RESISTANCE



PRESSURE DROP INTAKE & EXHAUST

FREE AREA VELOCITY (FT/MIN)

Based on STANDARD AIR- .075 lb. per cubic foot.
Ratings do not include the effects of screen.

Figure 5.5

SIZE TESTED: 48" X 48"

Suggested Specification

The Model DCFL-D-6 is a louver designed to protect the outside opening in building exterior walls. It is engineered for use in Dade County and its municipalities as well as other regions that use Dade County codes. These louvers may be used for exhaust or intake air.

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be Miami-Dade approved, hurricane resistant, drainable type with drain gutters in each blade and downspouts in jamps. Stationary drainable blades shall be contained within a 6.20" deep frame. Louver components (heads, jamps, 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 and mullion support tubes to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a maximum wind load of 150 psf.

Performance Data

AMCA Standard 500-L 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. Ratings do not include the effects of bird screen. Size tested: 48x48

Beginning point of **WATER PENETRATION** for **MODEL DCFL-D-6** lies above
1056 fpm
free area velocity at .01 oz. of water (penetration)

WATER PENETRATION

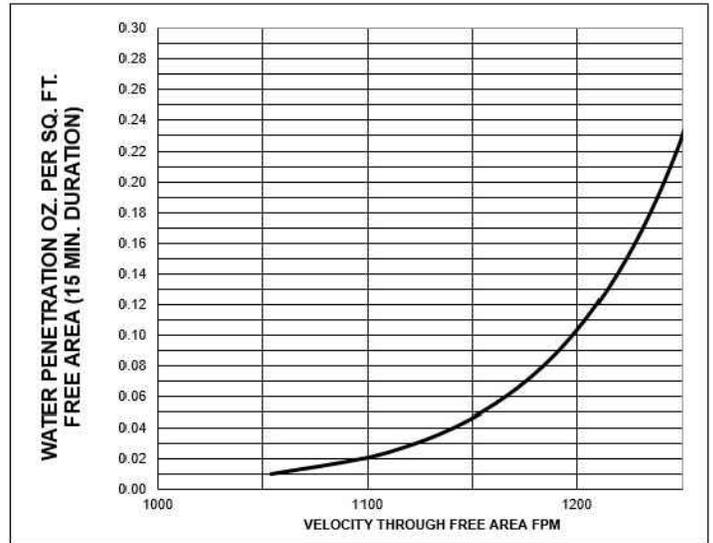


Figure 5.6-6.3

DCFL-D-6 FREE AREA IN SQ. FT.

Louver Height Inches	Width - Inches											Louver Height Inches
	12	18	24	30	36	42	48	54	60	66	72	
12	0.23	0.38	0.52	0.66	0.81	0.95	1.09	1.24	1.38	1.52	1.67	12
18	0.52	0.83	1.15	1.47	1.79	2.10	2.42	2.74	3.06	3.38	3.69	18
24	0.72	1.17	1.61	2.06	2.50	2.95	3.40	3.84	4.29	4.73	5.18	24
30	0.96	1.56	2.15	2.75	3.34	3.93	4.53	5.12	5.71	6.31	6.90	30
36	1.24	2.00	2.77	3.53	4.29	5.06	5.82	6.58	7.34	8.11	8.87	36
42	1.52	2.46	3.40	4.34	5.27	6.21	7.15	8.09	9.02	9.96	10.90	42
48	1.62	2.61	3.61	4.60	5.59	6.59	7.58	8.58	9.57	10.57	11.56	48
54	1.96	3.17	4.38	5.59	6.80	8.01	9.22	10.42	11.63	12.84	14.05	54
60	2.25	3.63	5.01	6.40	7.78	9.16	10.54	11.93	13.31	14.69	16.08	60
66	2.45	3.95	5.46	6.96	8.47	9.97	11.48	12.98	14.49	15.99	17.50	66
72	2.69	4.35	6.00	7.66	9.32	10.97	12.63	14.29	15.94	17.60	19.25	72



United Enertech Corporation Certifies that the louver model DCFL-D-6 is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with the AMCA publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance and water penetration ratings.