

MODEL CFL-D-6

HIGH PERFORMANCE COMBINATION LOUVER/DAMPER 6"

STANDARD CONSTRUCTION:

FRAME: .125" Extruded Aluminum 6.20" deep.

ADJUSTABLE BLADE: .125" Extruded Aluminum

FIXED BLADE: .081 Extruded Aluminum Positioned on a 37° angle on approximately 3.58" centers.

LINKAGE: Jamb Linkage

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.)

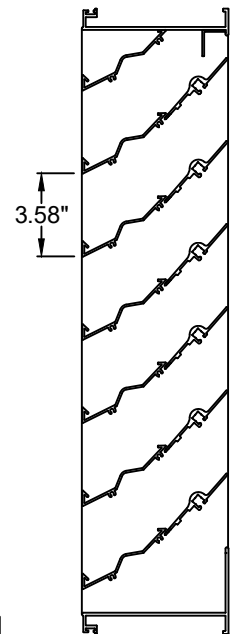
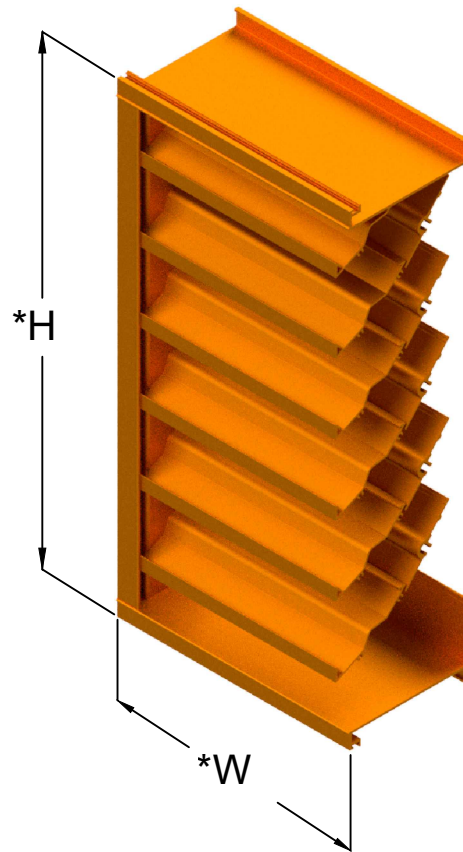
MINIMUM SIZE: 12"w x 12"h

MAXIMUM SIZE:

Factory assembled multi-section max: 84"w x 120"h or 120"w x 84"h

60"w x 120"h single section

Larger sizes are field assembled.



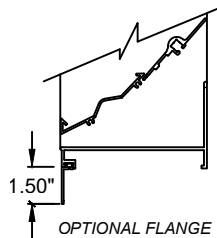
Section View

OPTIONS:

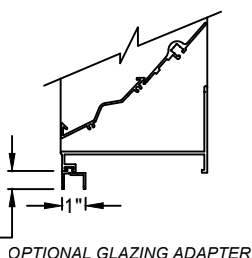
- | | |
|---|---|
| ☐ Flanged Frame (1.5" std.) | ☐ Blade Seals |
| ☐ Custom Flange (1", 2", or 3") | ☐ Stainless Steel |
| ☐ Glazing Adapter (.50" or .75") | ☐ Compression Jamb Seals |
| ☐ Extended Sill | ☐ Insect Screen |
| ☐ Hinged Sub Frame | ☐ Security Bars |
| ☐ Filter Racks (no screen) | |
| ☐ .125" Construction | |
| ☐ Blank-off, Alum., non-insulated, no screen, non-removeable | |
| ☐ Blank-off, Alum., non-insulated, with bird screen or insect screen | |
| ☐ Blank-off, Alum., insulated double wall, with bird screen, removable | |
| ☐ Blank-off, Alum., insulated double wall, no screen, non-removeable | |
| ☐ Actuator: See Actuator Selection Chart | |

AVAILABLE FINISHES:

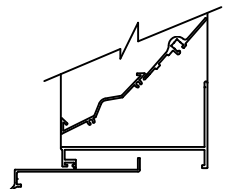
- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



OPTIONAL FLANGE



.50" or .75"
(.75" std.)
OPTIONAL GLAZING ADAPTER



OPTIONAL EXTENDED SILL



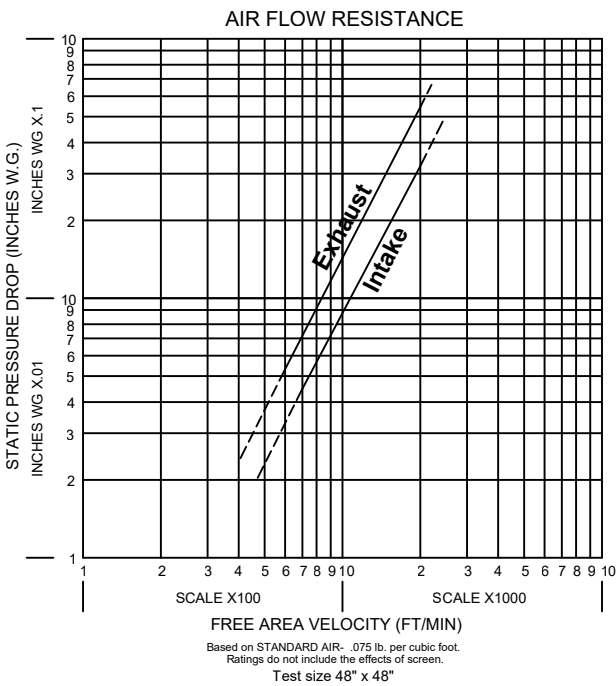
*Width and Height dimensions are approximately 1/4" [6.35mm] under listed size.



MODEL CFL-D-6 (High Performance Combination Louver/Damper 6")

DRAWN BY:	DATE:	REV. DATE:	REV. NO.	APPROVED BY:	DWG. NO.:
CLJ	April 2000	March 2026	8		A-32

Due to continuing research, S&P Air Control reserves the right to change specifications without notice.

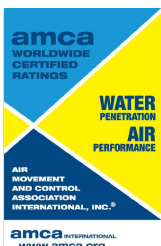


FREE AREA CHART (SQUARE FEET)

Louver Height Inches	Louver Width Inches										Louver Height Inches
	12	18	24	30	36	42	48	54	60		
12	0.19	0.31	0.43	0.55	0.67	0.78	0.90	1.02	1.14		12
18	0.42	0.69	0.95	1.22	1.48	1.75	2.01	2.28	2.54		18
24	0.70	1.13	1.57	2.01	2.45	2.88	3.32	3.76	4.20		24
30	0.90	1.46	2.02	2.59	3.15	3.71	4.28	4.84	5.40		30
36	1.11	1.81	2.51	3.20	3.90	4.60	5.30	6.00	6.70		36
42	1.39	2.26	3.13	4.00	4.88	5.75	6.62	7.49	8.36		42
48	1.59	2.58	3.58	4.58	5.57	6.57	7.57	8.56	9.56		48
54	1.79	2.91	4.03	5.15	6.28	7.40	8.52	9.64	10.77		54
60	2.08	3.39	4.69	6.00	7.30	8.61	9.92	11.22	12.53		60
66	2.28	3.71	5.14	6.57	8.00	9.43	10.86	12.30	13.73		66
72	2.44	3.97	5.50	7.03	8.56	10.09	11.62	13.15	14.68		72
78	2.77	4.51	6.25	7.99	9.73	11.47	13.21	14.95	16.69		78
84	2.97	4.83	6.69	8.56	10.42	12.28	14.15	16.01	17.87		84
90	3.18	5.17	7.17	9.17	11.16	13.16	15.16	17.15	19.15		90
96	3.46	5.64	7.81	9.99	12.16	14.34	16.51	18.69	20.86		96
102	3.66	5.95	8.25	10.55	12.85	15.14	17.44	19.74	22.04		102
108	3.87	6.30	8.73	11.16	13.58	16.01	18.44	20.87	23.30		108
114	4.16	6.77	9.39	12.00	14.61	17.23	19.84	22.45	25.07		114
120	4.35	7.08	9.81	12.54	15.28	18.01	20.74	23.47	26.20		120

Beginning point of **WATER PENETRATION** for **MODEL CFL-D-6** lies above 1250 fpm free area velocity at .01 oz. of water (penetration)

TEST SIZE: 48" X 48" - 15 MINUTE TEST DURATION



S&P Air Control Corporation certifies that the louver model shown hereon 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 requirement of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration ratings.

SUGGESTED SPECIFICATION

Finish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be combination louver/dampers drainable type with drain gutters in each blade and downspouts in jambs and mullions. Stationary drainable blades shall be contained within a 6.20" frame. Louver components (heads, jambs, sills, blades, and 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 provided overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30 lbs. per sq. ft. (equivalent of a 110 mph wind).

Louvers shall be S&P Air Control CFL-D-6 6063T5 aluminum construction as follows:

FRAME: 6.20" deep, .125" nominal wall thickness

ADJUSTABLE BLADES: .125" extruded aluminum

FIXED BLADES: .081" nominal wall thickness. Blades are positioned at 37° angle and spaced approximately 3.58" center to center.

SCREEN: 0.5" x .050" (19 x 1.3) expanded, flattened aluminum in removable frame.

FINISH: Select finish specification from S&P Air Control Finishes brochure.

Published louver performance data bearing the AMCA Certified Ratings seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the S&P Air Control model specified.

PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 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.

MODEL CFL-D-6 was tested for air leakage in an independent laboratory in accordance with AMCA 500-L

