

MODEL CEL-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 45° angle on approximately 5.63" centers.

LINKAGE: Jamb Linkage

BIRDSCREEN:

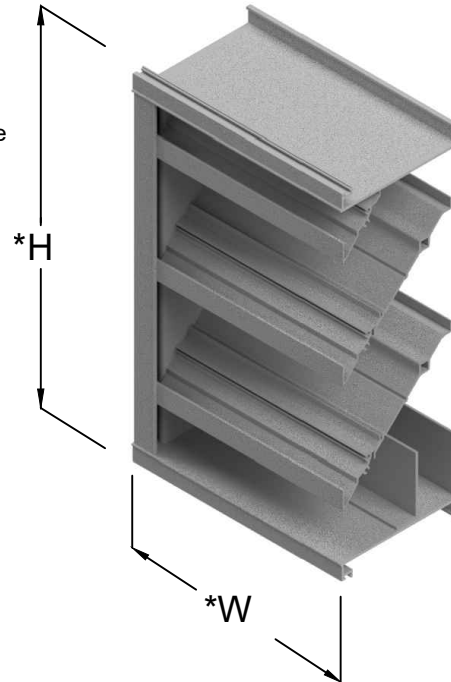
.50" X .050 Flattened Aluminum in Removable Frame. Screen is mounted on inside (rear) as looking from exterior of building.

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.

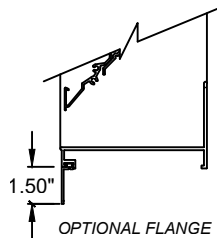


OPTIONS:

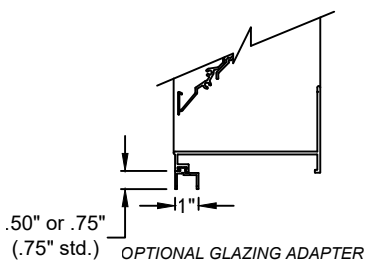
- ☐ Flanged Frame (1.5" std.)
- ☐ Custom Flange (1", 2", or 3")
- ☐ Glazing Adapter (.50" or .75")
- ☐ Extended Sill
- ☐ Hinged Sub Frame
- ☐ Filter Racks (no screen)
- ☐ .125" Construction
- ☐ Blank-off, Alum., non-insulated, no screen, non-removeable
- ☐ Blank-off, Alum., non-insulated, with bird screen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

AVAILABLE FINISHES:

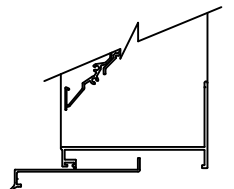
- ☐ Durable Polyester (AAMA 2604)
- ☐ 70% PVDF Fluoropolymer (AAMA 2605)
- ☐ Yellow Primer
- ☐ Clear Anodize
- ☐ Dark Bronze Anodize



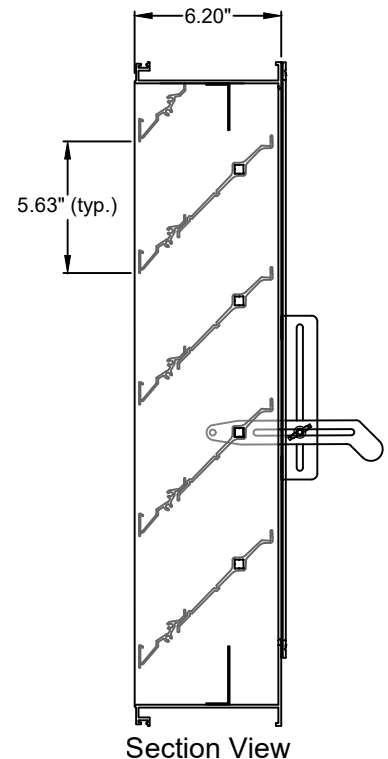
OPTIONAL FLANGE



OPTIONAL GLAZING ADAPTER



OPTIONAL EXTENDED SILL



Section View

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

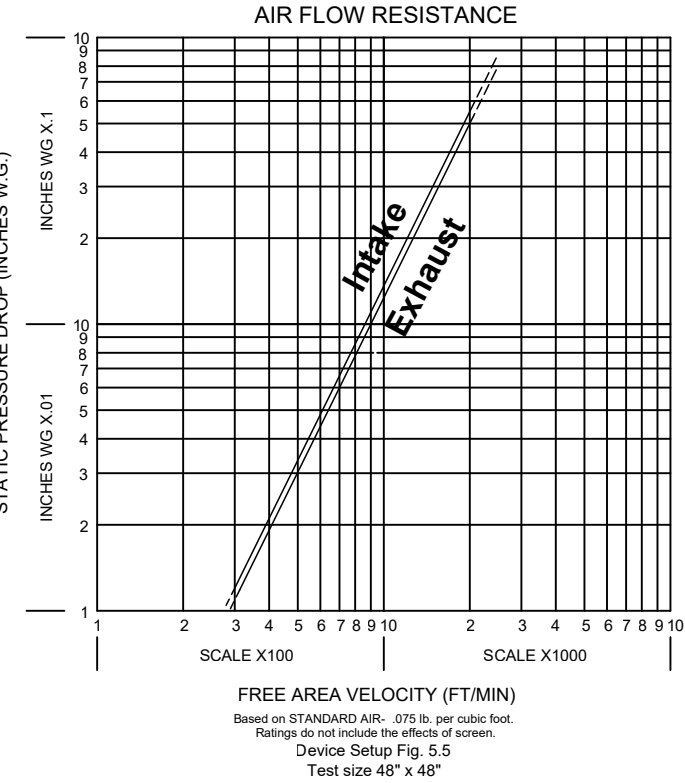


MODEL CEL-D-6 (High Performance Combination Louver/Damper 6")

DRAWN BY:	DATE:	REV. DATE:	REV. NO.	DWG. NO.:
CLJ	October 2023	March 2026	1	A-33

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

PERFORMANCE DATA



CEL-D-6 FREE AREA CHART (SQUARE FEET)									
Louver Height (inches)	Louver Width (inches)								
	12	18	24	30	36	42	48	54	60
12	0.30	0.50	0.69	0.88	1.07	1.27	1.46	1.65	1.85
18	0.52	0.86	1.19	1.52	1.86	2.19	2.52	2.86	3.19
24	0.74	1.22	1.69	2.17	2.64	3.11	3.59	4.06	4.54
30	0.96	1.58	2.19	2.81	3.42	4.04	4.65	5.27	5.88
36	1.18	1.94	2.70	3.45	4.21	4.96	5.72	6.47	7.23
42	1.41	2.30	3.20	4.09	4.99	5.89	6.78	7.68	8.57
48	1.63	2.66	3.70	4.74	5.77	6.81	7.85	8.88	9.92
54	1.85	3.02	4.20	5.38	6.56	7.73	8.91	10.09	11.27
60	2.29	3.75	5.21	6.66	8.12	9.58	11.04	12.50	13.96
66	2.51	4.11	5.71	7.31	8.91	10.50	12.10	13.70	15.30
72	2.73	4.47	6.21	7.95	9.69	11.43	13.17	14.91	16.65
78	2.95	4.83	6.71	8.59	10.47	12.35	14.23	16.11	17.99
84	3.17	5.19	7.21	9.23	11.25	13.28	15.30	17.32	19.34
90	3.61	5.91	8.22	10.52	12.82	15.12	17.43	19.73	22.03
96	3.83	6.28	8.72	11.16	13.60	16.05	18.49	20.93	23.38
102	4.05	6.64	9.22	11.80	14.39	16.97	19.55	22.14	24.72
108	4.27	7.00	9.72	12.45	15.17	17.89	20.62	23.34	26.07
114	4.49	7.36	10.22	13.09	15.95	18.82	21.68	24.55	27.41
120	4.94	8.08	11.23	14.37	17.52	20.67	23.81	26.96	30.10

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 provide overall sizes required.

Louvers shall be S&P CEL-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 45° angle and spaced approximately 5.63" 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 Finishes brochure.

Beginning point of **WATER PENETRATION** for **MODEL CEL-D-6** is **1079 fpm**
free area velocity at .01 oz. of water (penetration)

