

Tag: _____ Engineer: _____
 Project: _____ Contractor: _____
 Location: _____ Architect: _____
 Date: _____ Submitted by: _____



Model CA-XAD-6

6" Deep Drainable Extruded
Aluminum Combination Louver/Damper



Application:

The CA-XAD-6 is a 6" deep extruded aluminum combination louver/damper with drainable blades. The CA-XAD-6 is intended to protect air exhaust or intake openings in the exterior of a building. The CA-XAD-6 employs stationary front blades to maintain an uniform exterior and operable back blades. The CA-XAD-6 is a perfect solution to the need for a louver and control damper when the appearance of the exterior of a building is of utmost importance. The CA-XAD-6 is AMCA listed, so you select and apply with confidence.

Standard Construction:

FRAME: 6" (152) x .081 (2.1) extruded aluminum (6063-T6).

BLADES: Stationary: .081 (2.1) extruded aluminum (6063-T6), drainable blades fixed at 37.5° angle, spaced approximately 4-1/2" (114).

BLADES: Adjustable: .125 (3) extruded aluminum (6063-T6).

BEARINGS: Permanently lubricated oilite bronze, press fit into frame

AXLES: 3/8" (9.5) square plated steel.

LINKAGE: Plated steel.

OPERATOR: Wing nut slide operator.

BLADE SEALS: Extruded vinyl.

JAMB SEALS: Flexible stainless steel.

SCREEN: Bird screen - 3/4" x .050 (19 x 1.3) flattened expanded aluminum in a removable frame on interior of louver. Screen adds approximately 1/2" (13) to depth of louver.

FINISH: Mill aluminum.

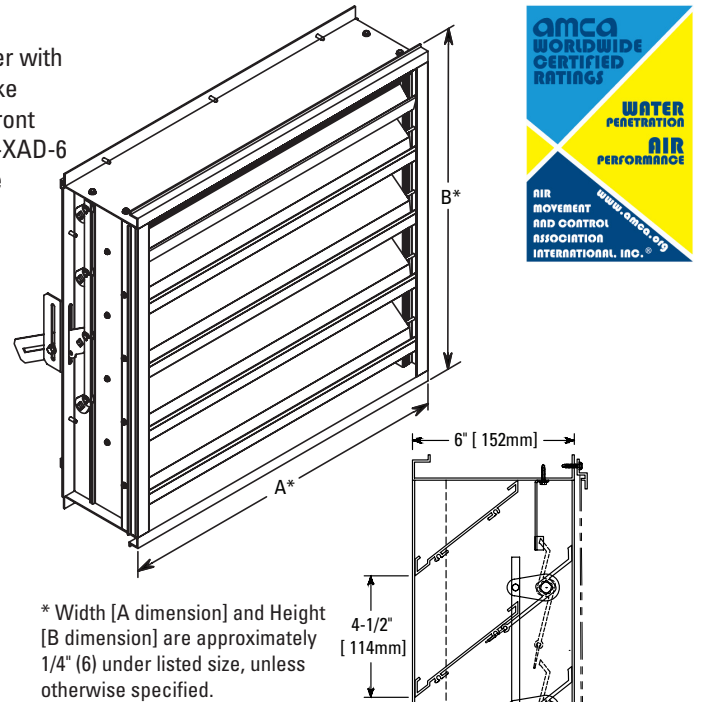
MINIMUM SIZE: 12"w x 12"h (305 x 305).

MAXIMUM SIZE: Single Section: 60"w x 96"h (1524 x 2438).

Multi-Section: Unlimited.

DESIGN LOAD: 20 psf (97.6 kg/m²). Consult for higher pressures.

All dimensions shown in inches, parentheses () indicate millimeters.



Optional Construction:

.125" (3.2) Extruded Aluminum Frame

Sill Extension

Flange Frame [1-1/2" (38)]

Heavy Duty Hinge:

Left Right Top Bottom

Welded Construction

Filter Racks:

1" (25) 2" (51)

Security Bars (rear):

Single Direction: Bar Spacing (in.): _____

Both Directions: Bar Spacing (in.): _____

Optional Bird & Insect Screens (see Louver Screen Supplemental Submittal)

Optional Finishes (see Louver Finish Supplemental Submittal)

Blank Off Panel (see Louver Blank Off Panel Supplemental Submittal)

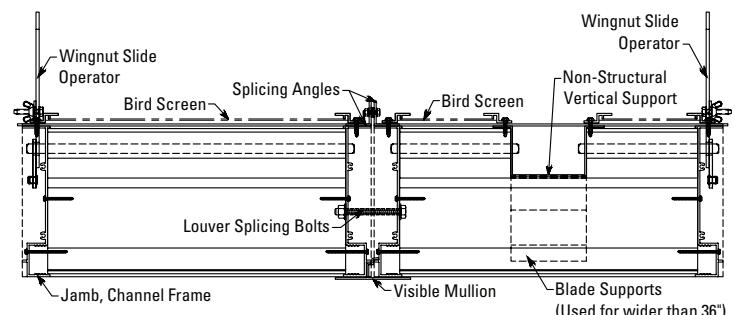
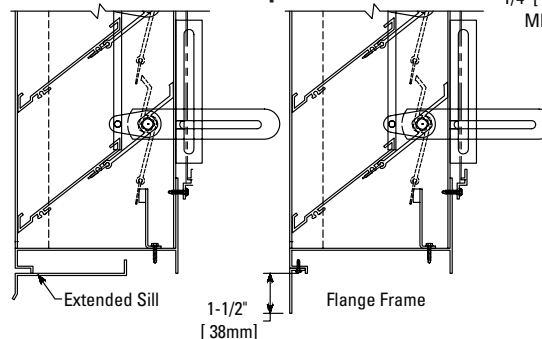
Operators:

Hand Crank Pull Chain

Internally Mounted Actuator: (See Actuator Reference Chart)

Model #: _____

Frame Options:



July 2018



PERFORMANCE DATA - Model CA-XAD-6

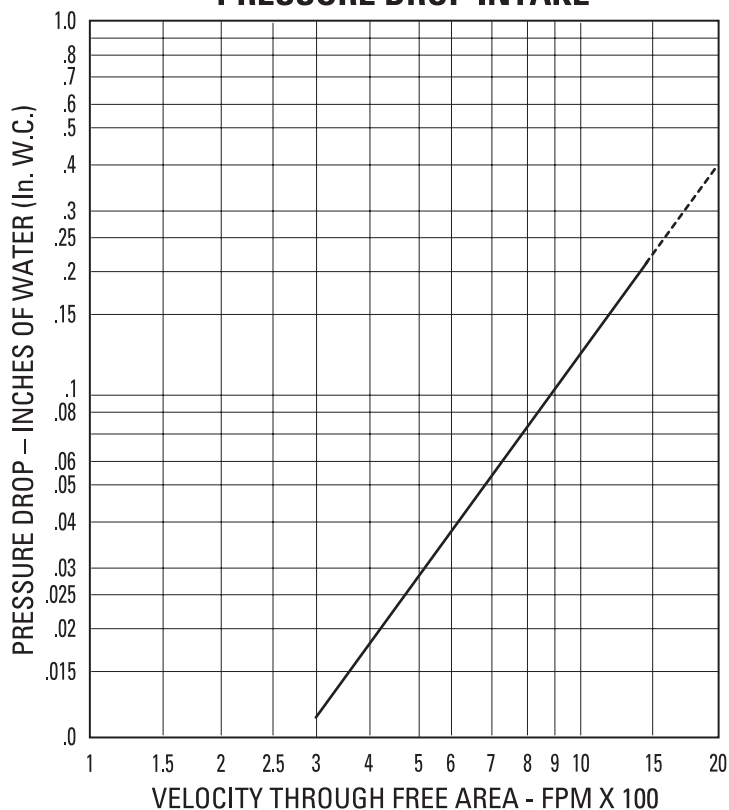
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CA-XAD-6 FREE AREA IN SQ. FT.

Width – Inches

Height – Inches	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	.22	.37	.52	.67	.81	.96	1.11	1.26	1.41	1.56	1.71	1.86	2.01	2.16	2.31
	.44	.75	1.05	1.35	1.66	1.96	2.26	2.38	2.68	2.98	3.29	3.59	3.89	4.20	4.50
	.66	1.11	1.57	2.02	2.47	2.93	3.38	3.75	4.23	4.70	5.18	5.66	6.14	6.62	7.10
	.84	1.42	2.00	2.58	3.16	3.74	4.32	4.53	5.11	5.69	6.27	6.85	7.43	8.01	8.58
	1.10	1.85	2.61	3.36	4.11	4.87	5.62	5.91	6.66	7.41	8.17	8.92	9.67	10.43	11.18
	1.31	2.21	3.12	4.02	4.92	5.82	6.72	7.28	8.21	9.13	10.06	10.99	11.92	12.85	13.78
	1.50	2.53	3.56	4.59	5.62	6.65	7.68	8.06	9.09	10.12	11.15	12.18	13.21	14.24	15.27
	1.76	2.96	4.16	5.37	6.57	7.78	8.98	9.43	10.64	11.84	13.05	14.25	15.46	16.66	17.86
	1.93	3.26	4.58	5.91	7.23	8.56	9.89	10.38	11.71	13.03	14.36	15.68	17.01	18.34	19.66
	2.16	3.64	5.12	6.60	8.08	9.56	11.04	11.59	13.07	14.55	16.03	17.51	18.99	20.47	21.95
	2.38	4.07	5.72	7.39	9.03	10.69	12.34	12.96	14.62	16.27	17.93	19.58	21.24	22.89	24.55
	2.56	4.31	6.07	7.82	9.58	11.34	13.09	13.75	15.50	17.26	19.01	20.77	22.52	24.28	26.03
	2.81	4.75	6.68	8.61	10.54	12.47	14.40	15.12	17.05	18.98	20.91	22.84	24.77	26.70	28.63
	3.04	5.12	7.20	9.28	11.37	13.45	15.53	16.49	18.60	20.70	22.81	24.91	27.02	29.12	31.23
	3.22	5.42	7.63	9.83	12.04	14.24	16.45	17.28	19.48	21.69	23.89	26.10	28.30	30.51	32.72

PRESSURE DROP INTAKE



Air Velocity in Feet per Minute through Free Area (Tested to AMCA Fig. 5.5)



NCA Manufacturing Inc. certifies that the Model CA-XAD-6 louver shown herein is certified 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 and water penetration ratings only.

Beginning Point of Water Penetration at .01oz./ft² is 840 FPM (256 m/min) Free Area Velocity.

Notes:

- Pressure Drop and Water Penetration Data applies to test unit size 48" w x 48" h (1219 x 1219) only.
- Reported Pressure Drop is for Intake only.
- Performance data does not include the effects of bird screen.
- All Performance shown is at standard air density of 0.075 lb/ft³ (1.2 kg/m³).
- Water Penetration data is for 15 minute test duration.

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