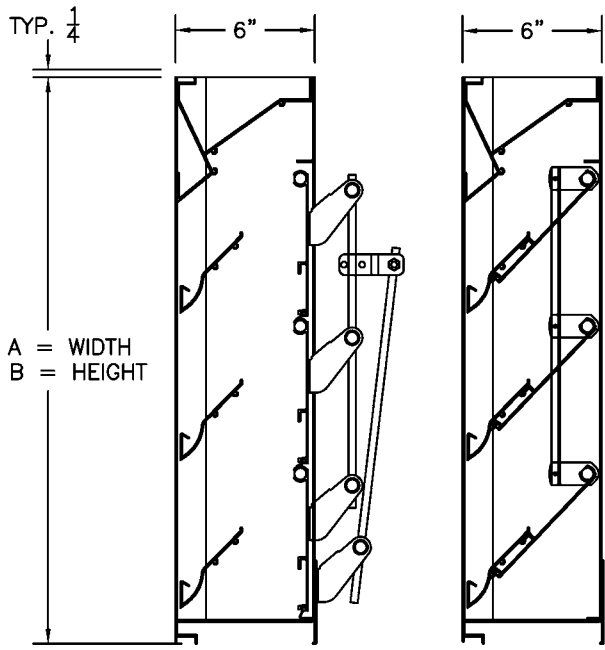


EXTRUDED ALUMINUM, 6" DEEP, COMBINATION ADJUSTABLE AND STATIONARY TYPE BLADE



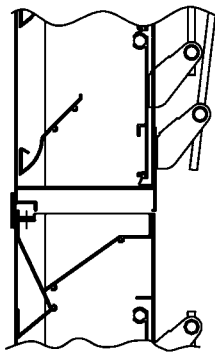
SECTION VIEW
(BLADES CLOSED)
ON BLADE LINKAGE SHOWN

SECTION VIEW
(BLADES OPEN)
IN JAMB LINKAGE SHOWN
OPTIONAL

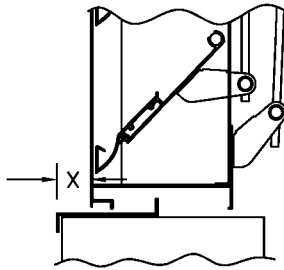
- MODEL LE-66C
STANDARD SPECIFICATION**
- FRAME: 6" DEEP CHANNEL, .081 THICK 6063-T5 ALUMINUM ALLOY.
 - BLADES: .081" THICK 6063-T5 ALUMINUM ALLOY.
 - AXLES: 1/2" DIAMETER ALUMINUM.
 - BEARINGS: HEAVY DUTY MOLDED NYLON.
 - LINKAGE: PLATED STEEL BRACKETS, BRASS BARRELS, 5/16 DIA. PLATED STEEL LINKAGE ROD.
 - SEALS: VINYL BLADE AND JAMB SEALS, VINYL SEAL AT HEAD AND SILL ONLY.
 - SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN, LOCATED ON EXTERIOR.
 - ACTUATOR: INDIVIDUAL PANEL WINGNUT. SEE ACTUATOR BULLETIN FOR OTHER SELECTIONS.

- FINISH: MILL
- MAX. PANEL SIZE: 48" x 96"
- MIN. PANEL SIZE: 12" x 16"

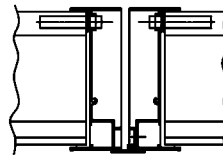
DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES. LOUVERS ARE MADE 1/2" UNDERSIZED



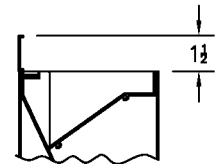
STANDARD HORIZONTAL
MULLION



EXTENDED SILL
OPTIONAL



STANDARD VERTICAL
MULLION



FLANGED FRAME
OPTIONAL
(HEAD SHOWN)



AWV certifies that the model LE-66C louver shown herein is licensed 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, air leakage performance, and water penetration ratings.

awv american warming and ventilating

A MESTEK COMPANY

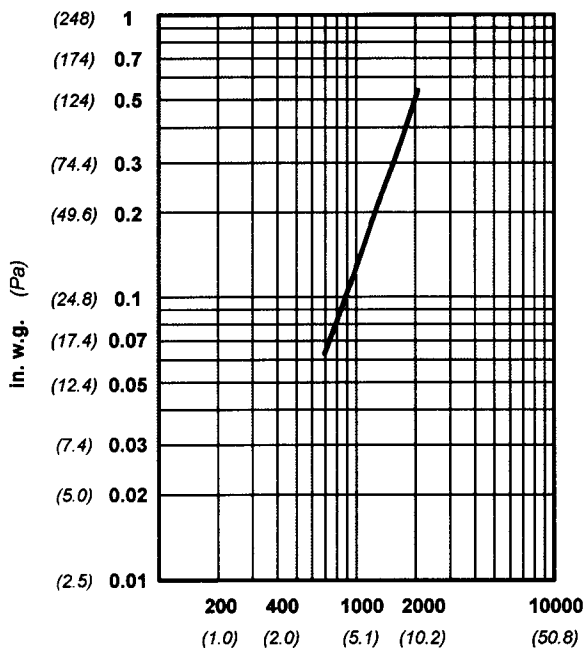
7301 INTERNATIONAL DRIVE HOLLAND, OHIO
Phone (419) 865-5000 Fax (419) 865-1375

LE-66C COMBINATION LOUVER

DRN. BY	MDC	DWG. NO.	REV.
DATE	12-01-02	LE-66C	

Water Penetration : 0.01 oz (3.0 g) at 1250 fpm (6.35 m/s) recommended free area velocity
Pressure Drop : 0.195 in wg (48.3 Pa.) at 1250 fpm (6.35 m/s) and 8075 scfm (3.81 scm/s)
Free Area : 6.46 sq ft (0.6 sq m) = 40.4% for 48" x 48" (1.22m x 1.22m) test size

INTAKE PRESSURE DROP



FREE AREA IN SQUARE FEET (sq meters)

HEIGHT	WIDTH							
	in. mm	12 305	18 457	24 610	30 762	36 914	42 1067	48 1219
16 406	0.18	0.32	0.39	0.61	0.76	0.91	1.05	0.098
24 610	0.36	0.65	0.80	1.24	1.54	1.84	2.13	0.198
36 914	0.72	1.32	1.61	2.51	3.10	3.70	4.29	0.399
48 1219	1.08	1.98	2.43	3.77	4.67	5.56	6.46	0.600
60 1524	1.44	2.64	3.24	5.03	6.23	7.42	8.62	0.801
72 1829	1.81	3.30	4.05	6.29	7.79	9.29	10.78	1.001
84 2134	2.17	3.97	4.86	7.56	9.35	11.15	12.94	1.202
96 2438	2.53	4.63	5.68	8.82	10.92	13.01	15.11	1.404

VELOCITY THROUGH FREE AREA fpm (m/s)
 standard air - .075 lbs per cu ft

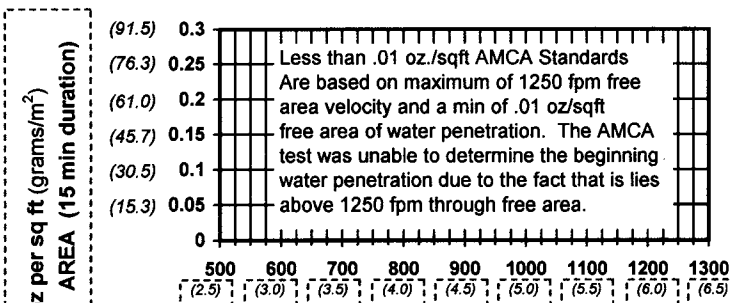
Ratings do not include the effect of a wire bird screen
 Test based on a 48" x 48" test size per AMCA Standard 511



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LE-66C

WATER PENETRATION



VELOCITY THROUGH FREE AREA fpm (m/s)

Both maximum recommended free area velocity and beginning of water penetration are 1250 fpm at standard air - .075 lbs per cu ft. The above water penetration data is based on mill finish, 48" x 48" test size per AMCA Standard 511.

Infiltration Air Leakage/Closing Torque Chart

HEIGHT	WIDTH							
	in. mm	12 305	18 457	24 610	30 762	36 914	42 1067	48 1219
16 406	8	9	9	11	11	11	14	16
24 610	9	14	14	16	20	25	27	31
30 762	12	18	20	25	31	36	40	47
36 914	14	21	21	27	34	40	47	53
42 1067	16	24	24	31	38	45	52	59
48 1219	18	27	27	34	42	50	58	66
54 1372	21	31	31	38	47	56	64	73
60 1524	23	34	34	42	51	61	70	80
66 1676	25	38	38	47	57	67	77	88
72 1829	27	41	41	50	60	71	81	92
78 1981	30	44	44	54	64	75	86	97
84 2134	32	48	48	58	69	80	91	102
90 2286	34	51	51	62	73	84	95	106
96 2438	36	54	54	65	76	87	98	109

TOTAL LEAKAGE IN SCFM @ .5 IN WG DP
 CLOSING TORQUE IN inch/pounds

The closing torque shown is that required to limit the air leakage to the amount shown. The Torque values shown are resultant of a closing force applied to and in an upward direction parallel to the louver linkage. Air leakage is based on operation between 50 104 degrees F.

Openings that require multiple louver panels in both width and height will require internal structural supports. It is recommended that large openings be divided with structural members so that the louvers will span either width or height with a single panel. Unusually high wind loading may require maximum panel size to be reduced, check with factory before ordering Structural supports and mounting accessories are not supplied by AWV as a standard.

Operating Force Factor Chart

Louvers are normally operated by applying a force to the blade to blade linkage whereas dampers are driven through the blade axes. Because of this fact, simple operating torques cannot be published. The factors shown are to be used with the data shown in our louver actuator selection guide found in our louver actuator price list.

HEIGHT	WIDTH							
	in mm	12 305	18 457	24 610	30 762	36 914	42 1067	48 1219
16 406	8	8	11	14	17	20	23	23
24 610	9	15	21	27	33	39	45	45
30 762	14	23	32	41	50	59	68	68
36 914	18	30	42	54	66	78	90	90
42 1067	23	38	53	68	83	98	113	113
48 1219	27	45	63	81	99	117	135	135
54 1372	32	53	74	95	116	137	158	158
60 1524	36	60	84	108	132	156	180	180
66 1676	41	68	95	122	149	176	203	203
72 1829	45	75	105	135	165	195	225	225
78 1981	50	83	115	149	182	215	248	248
84 2134	54	90	125	162	198	234	270	270
90 2286	59	98	135	176	215	254	293	293
96 2438	63	105	145	189	231	273	315	315