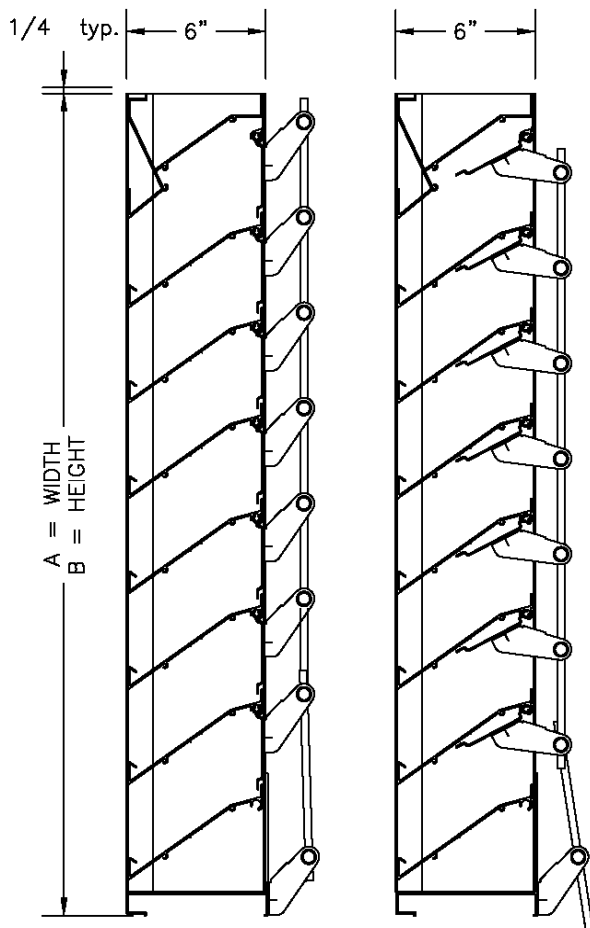
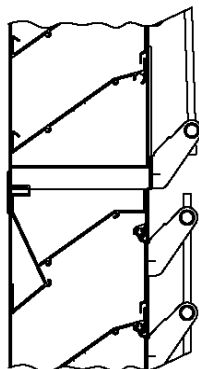


EXTRUDED ALUMINUM, 6" DEEP, COMBINATION ADJUSTABLE AND STATIONARY TYPE BLADE

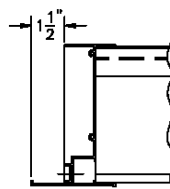


SECTION VIEW
(BLADES CLOSED)

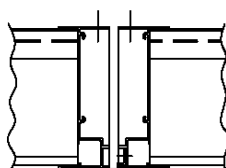
SECTION VIEW
(BLADES OPEN)



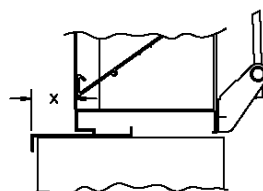
STANDARD HORIZONTAL
MULLION



FLANGED FRAME
OPTIONAL
(JAMB SHOWN)



STANDARD VERTICAL
MULLION



EXTENDED SILL
OPTIONAL

MODEL LE-65C STANDARD SPECIFICATION

- FRAME: 6" DEEP CHANNEL .081 THICK
6063-T5 ALUMINUM ALLOY
- BLADES: .081" THICK 6063-T5 ALUMINUM ALLOY.
- AXLES: FULL BLADE ALUMINUM EXTRUSION
- LINKAGE: PLATED STEEL BRACKETS, BRASS BARRELS,
5/16 DIA. PLATED STEEL LINKAGE ROD
- SEALS: VINYL ON BLADE.
- 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: 60 x 96
- MIN. PANEL SIZE: 12 x 12
- DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE
OPENING SIZES. LOUVERS ARE
MADE 1/2" UNDERSIZED



AWV certifies that the model LE-65C 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 ratings and water penetration ratings.

awv american warming
and ventilating

A MESTEK COMPANY

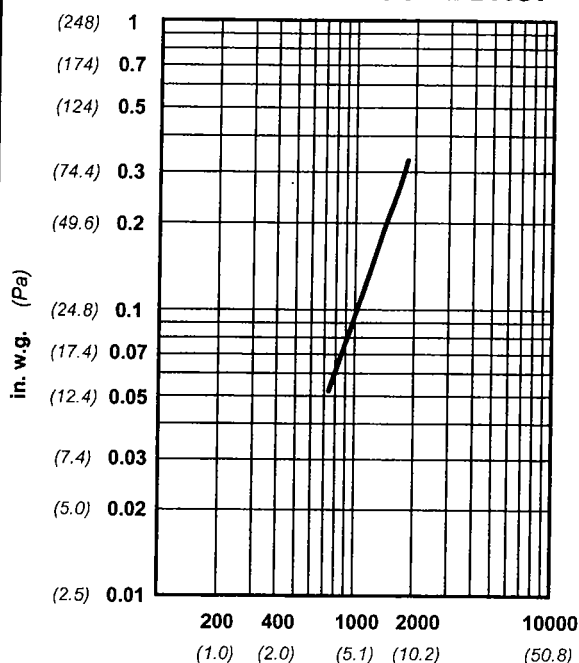
7301 INTERNATIONAL DRIVE HOLLAND, OHIO
Phone (419) 865-5000 Fax (419) 865-1375

LE-65C COMBINATION LOUVER

DRN. BY JVC	DWG. NO. LE-65C	REV. A
DATE 3/21/07		

Water Penetration : 0.01 oz (3.0 g) at 1250 fpm (6.35 m/s) recommended free area velocity
Pressure Drop : 0.15 in wg (37.2 Pa.) at 1250 fpm (6.35 m/s) and 10240 scfm (4.83 scm/s)
Free Area : 8.192 sq ft (0.761 sq m) = 51.2% for 48" x 48" (1.22m x 1.22m) test size

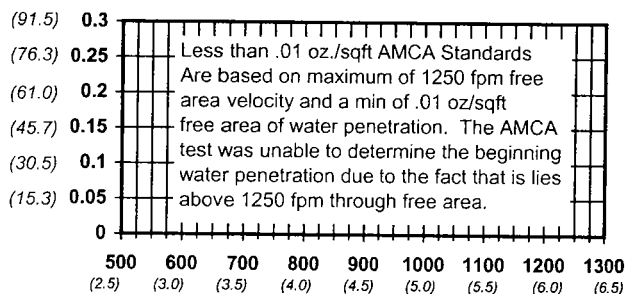
INTAKE PRESSURE DROP



FREE AREA IN SQUARE FEET (sq meters)

	WIDTH								
HEIGHT	in. mm	12 305	18 457	24 610	30 762	36 914	42 1067	48 1219	60 1524
	12 305	0.15 0.014	0.26 0.024	0.37 0.034	0.49 0.046	0.60 0.056	0.71 0.066	0.82 0.076	1.04 0.097
	24 610	0.61 0.057	1.06 0.098	1.50 0.139	1.94 0.180	2.39 0.222	2.83 0.263	3.28 0.305	4.17 0.387
	36 914	1.07 0.099	1.85 0.172	2.62 0.243	3.40 0.316	4.18 0.388	4.96 0.461	5.73 0.532	7.29 0.677
	48 1219	1.53 0.142	2.64 0.245	3.75 0.348	4.86 0.452	5.97 0.555	7.08 0.658	8.19 0.761	10.41 0.967
	60 1524	1.99 0.185	3.43 0.319	4.87 0.452	6.32 0.587	7.76 0.721	9.21 0.856	10.65 0.989	13.54 1.258
	72 1829	2.44 0.227	4.22 0.392	6.00 0.557	7.78 0.723	9.55 0.887	11.33 1.053	13.11 1.218	16.66 1.548
	84 2134	2.90 0.269	5.01 0.465	7.12 0.661	9.23 0.857	11.34 1.054	13.45 1.250	15.57 1.447	19.79 1.839
	96 2438	3.36 0.312	5.80 0.539	8.25 0.766	10.69 0.993	13.14 1.221	15.58 1.447	18.02 1.674	22.91 2.128

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.



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LE-65C

Leakage:

We have shown two leakage values for the louver sizes below. The upper values with blade seals, and lower values are with optional blade and jamb seals. Values were derived from tests performed in accordance with AMCA 500. Values are in total (CFM) at .5 in wg differential pressure.

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

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.

HEIGHT	WIDTH					
	SEALS	12	24	36	48	60
12	BLADE	9	18	26	35	44
	BLD & JMB	5	11	16	22	27
24	BLADE	18	35	53	70	88
	BLD & JMB	11	22	33	44	54
36	BLADE	26	53	79	105	131
	BLD & JMB	16	33	49	65	82
48	BLADE	35	70	105	140	175
	BLD & JMB	22	44	65	87	109
60	BLADE	44	88	131	175	219
	BLD & JMB	27	54	82	109	136
72	BLADE	53	105	158	210	263
	BLD & JMB	33	65	98	131	163
84	BLADE	61	123	184	245	306
	BLD & JMB	38	76	114	152	190
96	BLADE	70	140	210	280	350
	BLD & JMB	44	87	131	174	218

Operating Force Factor:

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					
	SEALS	12	24	36	48	60
12	BLADE	6	9	14	16	18
	BLD & JMB	8	11	17	20	23
24	BLADE	11	17	26	31	36
	BLD & JMB	14	21	33	39	45
36	BLADE	14	36	53	62	72
	BLD & JMB	18	42	66	78	90
48	BLADE	22	50	79	94	108
	BLD & JMB	27	63	99	117	135
60	BLADE	29	67	106	125	144
	BLD & JMB	36	84	132	156	180
72	BLADE	36	84	132	156	180
	BLD & JMB	45	105	165	195	225
84	BLADE	43	100	158	187	216
	BLD & JMB	54	125	198	234	270
96	BLADE	50	116	185	218	252
	BLD & JMB	63	145	231	273	315