

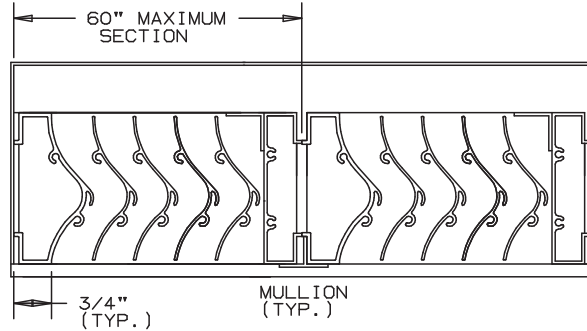
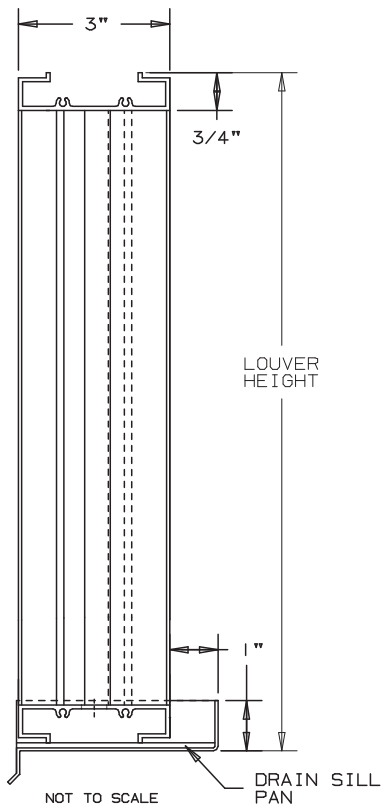


Anemostat®
AIR DISTRIBUTION

MODEL **SL331V**

EXTRUDED ALUMINUM LOUVERS
3" DEEP - STATIONARY VERTICAL

RAIN RESISTANT STORM LOUVER



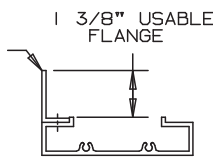
SPECIFICATIONS

MATERIAL: EXTRUDED ALUMINUM 6063-T6/T52 ALLOY
FRAMES: .081" THICK NOMINAL.
BLADES: .040" THICK NOMINAL.
FACE OF LOUVER: ALL SURFACES ARE FLUSH WITH JAMBS CONTAINED WITHIN THE HEAD AND SILL. APPROXIMATE BLADE CENTERS 13/16".
SCREENS: WHEN INDICATED, IN A REMOVABLE FRAME.
BIRD SCREEN - 1/2" FLATTENED ALUMINUM, .051" THK.
OR - 1/2" SQ. MESH, INTERMEDIATE DOUBLE-CRIMPED ALUMINUM WIRE, .063 DIA.
OR - 18/16 MESH, .011" DIA. ALUMINUM WIRE, INSECT SCREEN.
DRAIN SILL PAN: .060" THICK FORMED ALUMINUM.
FINISH: _____
LOUVER SIZES: 12" x 12" MINIMUM PANEL SIZE.
60" x 96" MAXIMUM PANEL SIZE.

LOUVER PERFORMANCE STATEMENT

LOUVER MODEL SL331V SHALL BE FABRICATED TO PROVIDE A MINIMUM FREE AREA (44%), 7.06 SQUARE FEET OF FREE AREA FOR A 48"x48" SIZE LOUVER. WITH .083 INCHES WATER GAUGE PRESSURE DROP AT 1000 FPM FOR AIR INTAKE. IN ADDITION, THIS LOUVER MODEL IS ALSO TESTED TO THE AMCA 500-L-99 WIND DRIVEN RAIN TEST STANDARD. WHERE THE LOUVER IS SUBJECTED TO SIMULATED WIND DRIVEN RAIN. THE RESULT OF THIS TEST SHALL SHOW A CLASS "A" RATING HAVING (100%) EFFICIENCY AT 3 INCHES OF RAINFALL AT AN INTAKE VELOCITY OF 1451 FPM (10,244 CFM) AT A WIND SPEED OF 29 MPH, AND 99.5% EFFICIENCY AT 8 INCHES OF RAINFALL AT AN INTAKE VELOCITY OF 1439 FPM (10,159 CFM) AT WIND SPEED OF 50 MPH FOR A SIZE 48"x48".

FLANGE FRAME AVAILABLE ON (3) SIDES ONLY, NOT AT SILL



FLANGE FRAME AVAILABLE

NOMINAL DEDUCTIONS WILL BE MADE TO THE OPENING SIZE GIVEN.

											 UNION MADE
ITEM	QTY.	WIDTH	HEIGHT	WIDTH	HEIGHT	MULL	TYPE	LOC			
		OPENING SIZE		LOUVER SIZE							

Anemostat Air Distribution
1220 E. Watson Center Road
Carson, CA 90745
310-835-7500 • air@anemostat.com
www.anemostat-hvac.com

AGENT: _____

ARCH./ENG. : _____

CONTR. : _____

PROJECT: _____

EDR: _____ ECN: _____ JOB: _____

DATE: _____ DWN. : _____ DWG. : _____

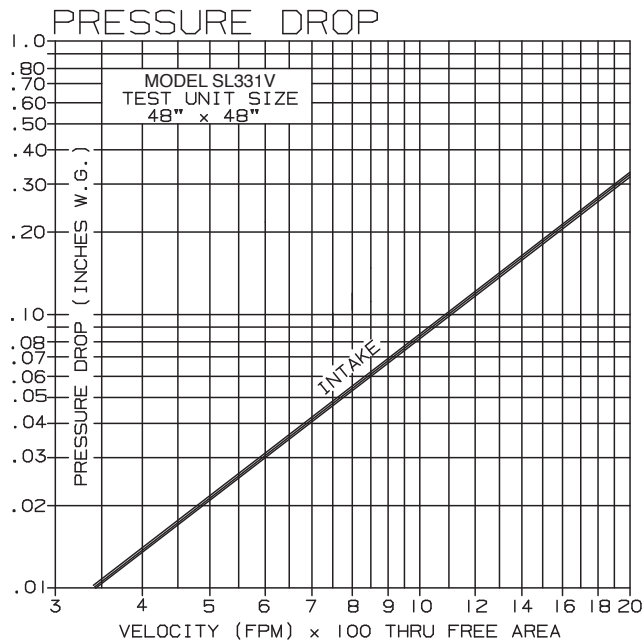
MODEL SL331V

WIND DRIVEN RAIN RESISTANT LOUVER EXTRUDED ALUMINUM - STATIONARY

PERFORMANCE DATA

TESTS OF A 48"x48" ACCORDING TO AMCA STANDARD 500-L-99
SHOWS LESS THAN .083 INCHES WATER GAUGE PRESSURE DROP
AT 1000 FPM (INTAKE).

RATINGS DO NOT INCLUDE EFFECTS OF BIRDSCREEN.



FREE AREA

		FREE AREA (SQ. FT.)								
		WIDTH								
		12"	18"	24"	30"	36"	42"	48"	54"	60"
HEIGHT	12"	.34	.55	.76	.97	1.18	1.39	1.59	1.81	2.02
	24"	.73	1.18	1.64	2.09	2.53	2.98	3.42	3.89	4.34
	36"	1.12	1.80	2.52	3.21	3.88	4.57	5.24	5.97	6.66
	48"	1.52	2.43	3.40	4.33	5.24	6.17	7.06	8.05	8.98
	60"	1.91	3.06	4.28	5.45	6.59	7.76	8.90	10.13	11.30
	72"	2.30	3.69	5.16	6.57	7.94	9.35	10.72	12.21	13.63
	84"	2.69	4.32	6.04	7.69	9.29	10.95	12.55	14.29	15.95
96"	3.08	4.95	6.92	8.81	10.65	12.54	14.37	16.38	18.27	

MODEL SL331V

PERFORMANCE DATA

WIND DRIVEN RAINWATER PENETRATION TEST CONDUCTED TO AMCA STANDARD 500-L-99

TEST SIZE 1M x 1M (39.37" x 39.37") CORE AREA, NOMINAL
LOUVER FREE AREA 5.11 SQUARE FEET

WIND VELOCITY MPH	RAINFALL RATE IN./HR.	CORE AREA VELOCITY FPM	AIRFLOW CFM	FREE AREA VELOCITY FPM	EFFECTIVENESS RATIO	CLASS	DISCHARGE LOSS COEFFICIENT CLASS INTAKE
29	3"	689	7415	1451	100%	A	I
50	8"	683	7352	1439	99.5%	A	I

WIND DRIVEN RAIN PENETRATION CLASSIFICATIONS	
CLASS	EFFECTIVENESS %
A	I TO 0.99%
B	0.989 TO 0.95%
C	0.949 TO 0.80%
D	BELOW 0.80%

DISCHARGE LOSS COEFFICIENT CLASSIFICATIONS	
CLASS	DISCHARGE LOSS COEFFICIENT
I	0.4 AND ABOVE
2	0.3 TO 0.399
3	0.2 TO 0.299
4	0.199 AND BELOW

CLASS I LOSS COEFFICIENT HAS THE LEAST
RESISTANCE TO AIRFLOW.

- CORE AREA IS THE FRONT OPENING OF A LOUVER ASSEMBLY WITH THE BLADES REMOVED.
- CORE AREA VELOCITY IS THE AIRFLOW RATE THROUGH THE LOUVER DIVIDED BY THE CORE AREA (39.37"x39.37").
- FREE AREA IS THE MINIMUM AREA THROUGH WHICH AIR CAN PASS. IT IS DETERMINED BY MULTIPLYING THE SUM OF THE MINIMUM DISTANCES BETWEEN INTERMEDIATE BLADES, TOP BLADE AND HEAD, BOTTOM BLADE AND SILL, BY THE MINIMUM DISTANCE BETWEEN JAMBS.
- DISCHARGE LOSS COEFFICIENT IS CALCULATED BY DIVIDING A LOUVER ACTUAL AIRFLOW RATE VS. A THEORETICAL AIRFLOW FOR THE OPENING. PROVIDING AN INDICATION OF THE LOUVER AIR FLOW CHARACTERISTICS.



AIR
PERFORMANCE



WIND
DRIVEN RAIN

Anemostat certifies that the performance data shown has been determined by test in accordance with applicable AMCA standards.