

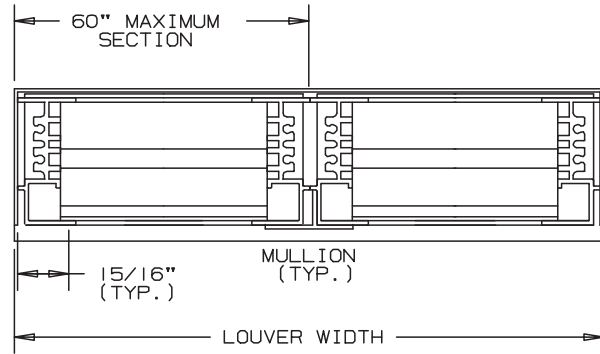
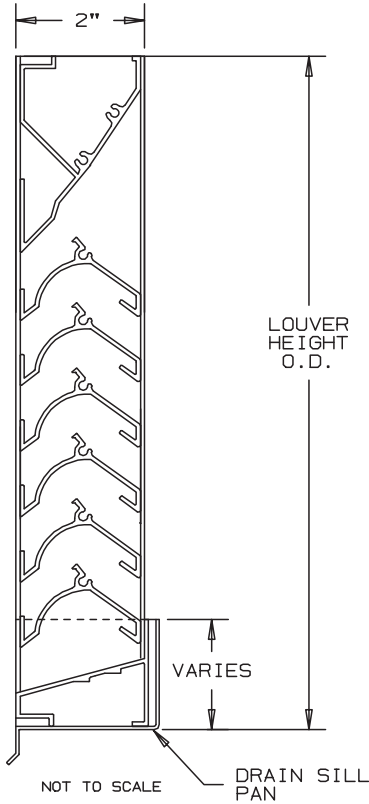


Anemostat®
AIR DISTRIBUTION

MODEL **SL210D**

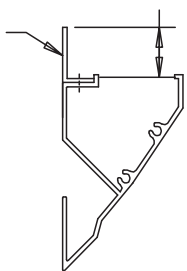
EXTRUDED ALUMINUM LOUVERS
2" DEEP - STATIONARY HORIZONTAL

RAIN RESISTANT STORM LOUVER



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

1 3/8" USABLE
FLANGE



FLANGE FRAME
AVAILABLE

SPECIFICATIONS

MATERIAL: EXTRUDED ALUMINUM 6063-T6/T52 ALLOY
FRAMES: .063" THICK NOMINAL.
BLADES: .063" THICK NOMINAL.
FACE OF LOUVER: HEAD AND BLADES CONTAINED WITHIN THE JAMBS.
SILL CONTAINS JAMBS.
APPROXIMATE BLADE CENTERS 1".
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 SL210D SHALL BE FABRICATED TO PROVIDE A MINIMUM FREE AREA (43.3%), 6.93 SQUARE FEET OF FREE AREA FOR A 48"x48" SIZE LOUVER, WITH .38 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 (99.7%) EFFICIENCY AT 3 INCHES OF RAINFALL AT AN INTAKE VELOCITY OF 435 FPM (3015 CFM) AT A WIND SPEED OF 29 MPH AND (99.2%) EFFICIENCY AT 8" RAINFALL AT AN INTAKE VELOCITY OF 240 FPM (1663 CFM) AT A WIND SPEED OF 50 MPH FOR A SIZE 48"x48" LOUVER.

NOMINAL DEDUCTIONS WILL BE MADE TO THE OPENING SIZE GIVEN.

ITEM	QTY.	OPENING SIZE		LOUVER SIZE		MULL	SCREENS		LOC
		WIDTH	HEIGHT	WIDTH	HEIGHT		TYPE	LOC	



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AGENT: _____

ARCH./ENG. : _____

CONTR. : _____

PROJECT : _____

EDR: _____ ECN: _____ JOB: _____

DATE: _____ DWN. : _____ DWG. : _____

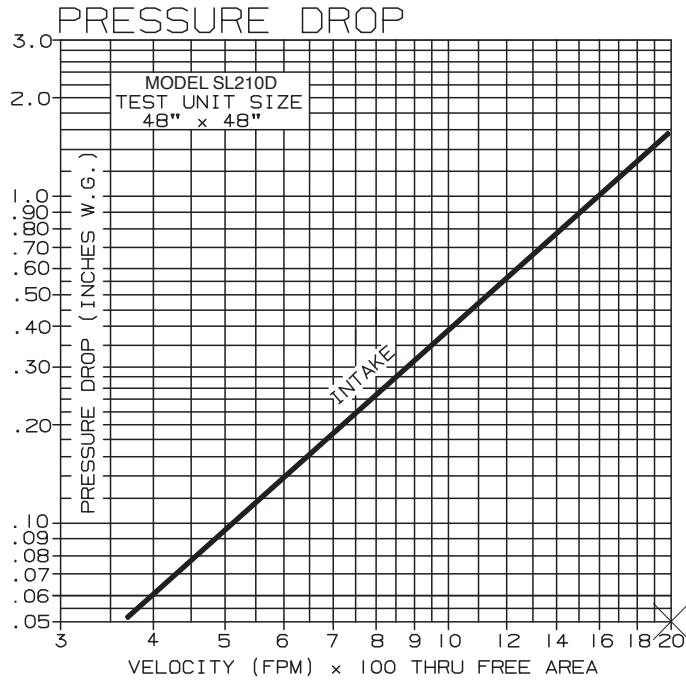
MODEL SL210D

WIND DRIVEN RAIN RESISTANT LOUVER EXTRUDED ALUMINUM - STATIONARY

PERFORMANCE DATA

TESTS OF A 48" x 48" ACCORDING TO AMCA STANDARD 500-L-99
LESS THAN .38 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"
12"	.28	.45	.62	.79	.95	1.12	1.29	1.46	1.62
24"	.71	1.13	1.55	1.97	2.39	2.81	3.23	3.65	4.07
36"	1.14	1.81	2.48	3.15	3.83	4.50	5.17	5.84	6.52
48"	1.56	2.49	3.41	4.34	5.26	6.19	6.93	8.04	8.96
60"	1.99	3.17	4.35	5.52	6.70	7.88	9.56	10.23	11.41
72"	2.42	3.85	5.28	6.71	8.14	9.56	10.99	12.42	13.85
84"	2.85	4.53	6.21	7.89	9.57	11.25	12.93	14.62	16.30
96"	3.27	5.21	7.14	9.07	11.01	12.94	14.88	16.81	18.74

MODEL SL210D

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 5.24 SQUARE FEET

CORE VENTILATION (M/S)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	RAINFALL/MPH
FPM	0	133	212	296	383	491	581	668	3 IN/HR RAINFALL AND 29 MPH VELOCITY
FREE AREA VENTILATION (CFM)	0	1431	2279	3188	4128	5291	6259	7192	
FREE AREA VELOCITY (FPM)	-	273	435	608	788	1010	1194	1373	
EFFECTIVE RATING CLASS	A	A	A	B	B	C	D	D	8 IN/HR RAINFALL AND 50 MPH VELOCITY
FPM	0	117	195	280	386	461	569	695	
FREE AREA VENTILATION (CFM)	0	1261	2095	3013	4157	4964	6123	7483	
FREE AREA VELOCITY (FPM)	-	240	400	575	793	947	1169	1428	
EFFECTIVE RATING CLASS	A	A	B	B	B	C	C	D	

DISCHARGE COEFFICIENT
INTAKE $C_d = 0.19$ (CLASS 4)

WIND DRIVEN RAIN PENETRATION CLASSIFICATIONS	
CLASS	EFFECTIVENESS %
A	1 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
1	0.4 AND ABOVE
2	0.3 TO 0.399
3	0.2 TO 0.299
4	0.199 AND BELOW

CLASS 1 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.