

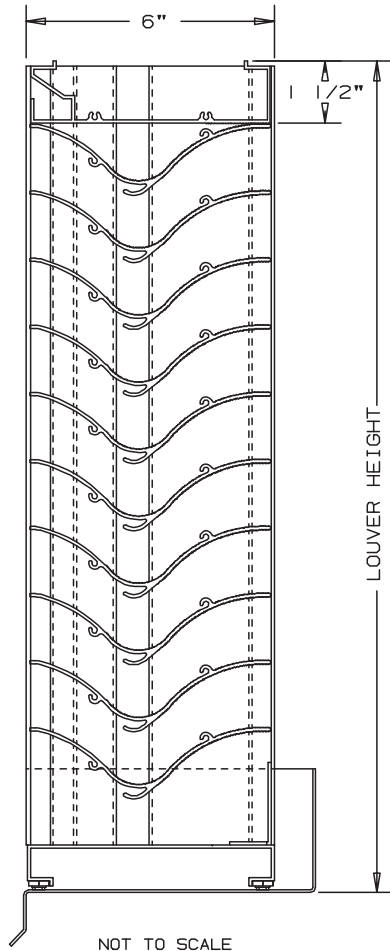


Anemostat®
AIR DISTRIBUTION

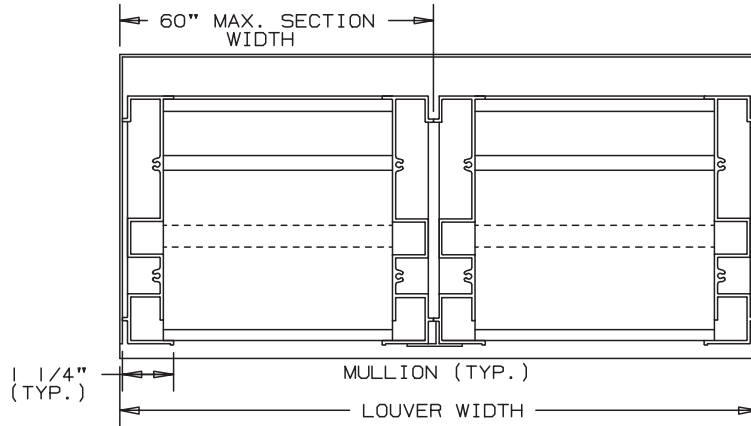
MODEL **SL662H**

EXTRUDED ALUMINUM LOUVERS
STATIONARY HORIZONTAL

6" DEEP RAIN RESISTANT STORM LOUVER



NOT TO SCALE



SPECIFICATIONS

FRAME AND BLADE: EXTRUDED ALUMINUM 6063-T6/T52 ALLOY, .080" THK. NOMINAL.
FACE OF LOUVER: HEAD AND BLADES ARE CONTAINED WITHIN JAMBS. SILL CONTAINS JAMBS. APPROXIMATE VERTICAL BLADE CENTERS 1.625" NOMINAL.
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 PAN: .060" THK. FORMED ALUMINUM.
FINISH: _____
LOUVER SIZES: 12" x 12" MINIMUM PANEL SIZE. 30 SQUARE FEET IS THE MAXIMUM SECTION SIZE. LOUVERS LARGER THAN THE MAXIMUM FACTORY ASSEMBLED SIZE WILL REQUIRE FIELD ASSEMBLY OF SMALLER LOUVER SECTIONS.

LOUVER PERFORMANCE STATEMENT

LOUVER MODEL SL662H SHALL BE FABRICATED TO PROVIDE A MINIMUM OF (51%) 8.14 SQUARE FEET OF FREE AREA FOR A SIZE 48"x48" LOUVER AND BEAR THE AMCA CERTIFIED RATINGS SEAL FOR AIR PERFORMANCE, WATER PENETRATION AND WIND DRIVEN RAIN. THE RATINGS SHALL SHOW A BEGINNING POINT OF WATER PENETRATION AT .01 OUNCES PER SQUARE FOOT OF FREE AREA TO BE ABOVE 1250 FPM (10,175) WITH .105 INCHES WATER GAUGE PRESSURE DROP AT 1000 FPM AIR INTAKE.
IN ADDITION THIS LOUVER IS TESTED TO 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 (99.0%) EFFICIENCY AT 3 INCHES OF RAIN FALL AT AN INTAKE VELOCITY OF 239 FPM (1,945 CFM) AT A WIND SPEED OF 29 MPH, AND A CLASS "B" RATING HAVING (95.3%) EFFICIENCY AT 5 INCHES OF RAIN FALL AT AN INTAKE VELOCITY OF 328 FPM (2,670 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		UNION MADE
		WIDTH	HEIGHT	WIDTH	HEIGHT		TYPE	LOC	

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ARCH./ENG. : _____
CONTR. : _____
PROJECT : _____
EDR: _____ ECN: _____ JOB: _____
DATE: _____ DWN. : _____ DWG. : _____

AGENT : _____

MODEL SL662H

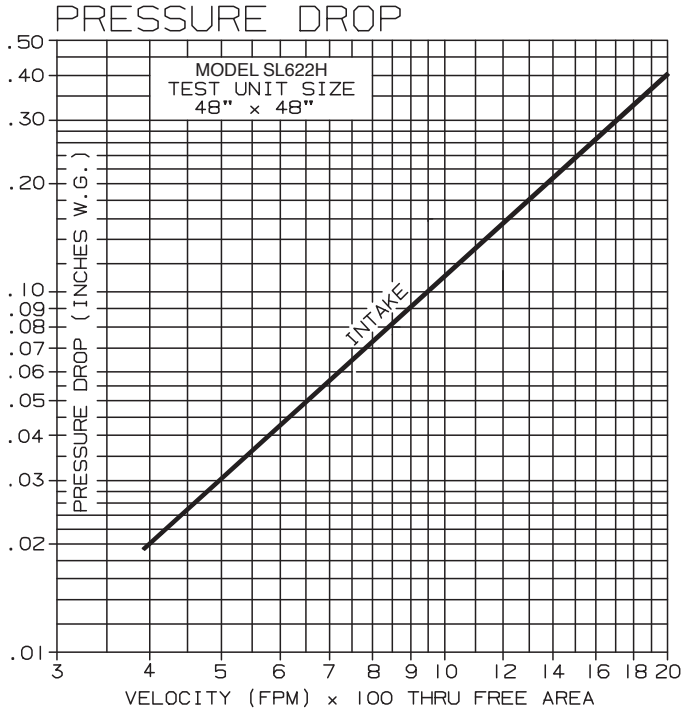
HORIZONTAL STORM LOUVERS

EXTRUDED ALUMINUM - STATIONARY

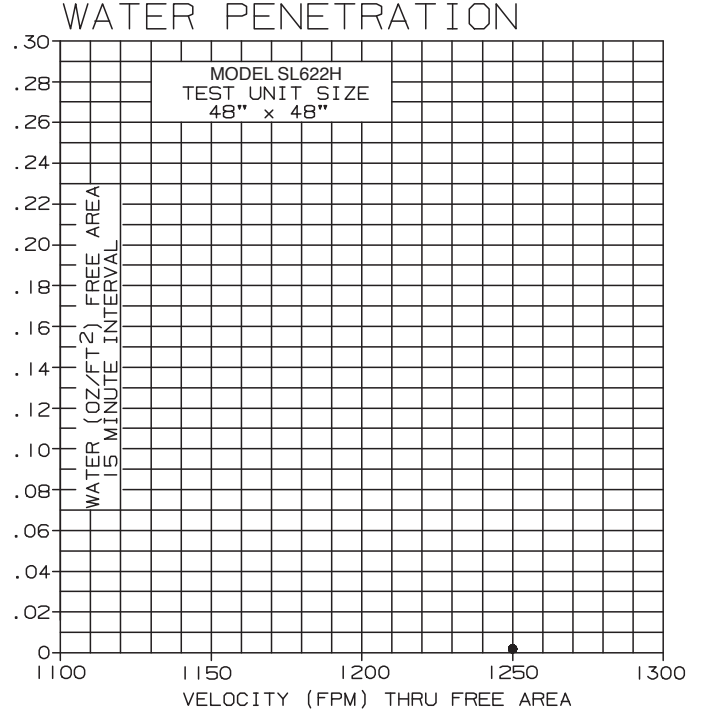
PERFORMANCE DATA

TESTS OF A 48" x 48" SAMPLE ACCORDING TO AMCA STANDARD 500-L SHOWS THE BEGINNING POINT OF WATER PENETRATION IS ABOVE 1250 FPM THROUGH THE FREE AREA OF THE LOUVER, WITH LESS THAN .10" W.G. PRESSURE DROP AT 925 FPM (INTAKE).

RATINGS DO NOT INCLUDE EFFECTS OF BIRDSCREEN.



INTAKE AIR CONVERTED TO STANDARD AIR DENSITY
TESTED TO AMCA FIGURE 5.5



* THE BEGINNING POINT OF WATER PENETRATION IS ABOVE 1250 FPM THROUGH THE FREE AREA OF THE LOUVER.

* AMCA STANDARD 500-L LIMITS TESTING OF WATER PENETRATION TO EITHER A MAXIMUM VELOCITY OF 1250 FPM OR 2.5 OUNCES OF WATER PER SQUARE FOOT OF LOUVER FREE AREA.

FREE AREA

		FREE AREA (SQ. FT.)									
		WIDTH									
		12"	24"	36"	48"	60"	72"	84"	96"	108"	120"
HEIGHT	12"	.29	.65	1.02	1.39	1.75	2.12	2.49	2.85	3.22	3.59
	24"	.76	1.73	2.70	3.67	4.64	5.61	6.58	7.56	8.53	9.50
	36"	1.24	2.82	4.41	5.99	7.58	9.16	10.75	12.33	13.92	15.50
	48"	1.68	3.84	5.99	8.14	10.29	12.45	14.60	16.75	18.91	21.06
	60"	2.16	4.91	7.67	10.43	13.19	15.95	18.71	21.46	24.22	26.98
	72"	2.60	5.93	9.26	12.59	15.92	19.24	22.57	25.90	29.23	32.56
	84"	3.08	7.02	10.95	14.89	18.83	22.77	26.71	30.64	34.58	38.52
	96"	3.49	7.96	12.42	16.89	21.35	25.82	30.28	34.75	39.21	43.68
	108"	3.93	8.97	14.00	19.04	24.07	29.10	34.14	39.17	44.21	49.24
	120"	4.41	10.05	15.68	21.32	26.96	32.60	38.24	43.88	49.52	55.16

MODEL SL622H

PERFORMANCE DATA

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

TEST SIZE 1M x 1M (39.37" x 39.37") CORE AREA, 41.88" x 41.75" NOMINAL.
LOUVER FREE AREA 6.13 SQUARE FEET

CORE VENTILATION (M/S)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	RAIN FALL / MPH
FPM	0	136	189	279	372	474	591	685	797	879	986	3 IN. / HR. RAIN FALL AND 29 MPH VELOCITY
FREE AREA VENTILATION (CFM)	0	1,464	2,030	3,000	4,004	5,106	6,360	7,377	8,585	9,459	10,612	
FREE AREA VELOCITY (FPM)	0	239	331	489	653	833	1038	1203	1400	1543	1731	
EFFECTIVE RATING CLASS	A	A	B	B	B	B	B	B	C	D	D	
EFFECTIVENESS RATIO %	99.1	99.0	98.9	98.7	98.6	98.2	97.6	95.4	88.6	77.2	60.7	
FPM	0	99	187	275	392	491	578	688	789	878	967	8 IN. / HR. RAIN FALL AND 50 MPH VELOCITY
FREE AREA VENTILATION (CFM)	0	1,061	2,013	2,962	4,216	5,287	6,221	7,413	8,491	9,454	10,414	
FREE AREA VELOCITY (FPM)	0	173	328	483	688	862	1015	1209	1385	1542	1699	
EFFECTIVE RATING CLASS	B	B	B	C	C	C	C	C	D	D	D	
EFFECTIVENESS RATIO %	97.1	96.0	95.3	94.2	92.1	90.3	87.3	82.0	78.3	74.5	71.2	

DISCHARGE COEFFICIENT

INTAKE $C_d = 0.44$ (CLASS 1)

WIND DRIVEN RAIN PENETRATION CLASSIFICATIONS	
CLASS	EFFECTIVENESS %
A	1 TO 0.99%
B	0.989 TO 0.95%
C	0.959 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.



WATER PENETRATION



AIR PERFORMANCE



WIND DRIVEN RAIN

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