

**PRODUCT FEATURES**

- Minimum Panel Size:  
12" x 12"
- Maximum Single Panel Size:  
40 square feet is the maximum section size. Louvers larger than the maximum factory assembled size will require field assembly of smaller louver sections

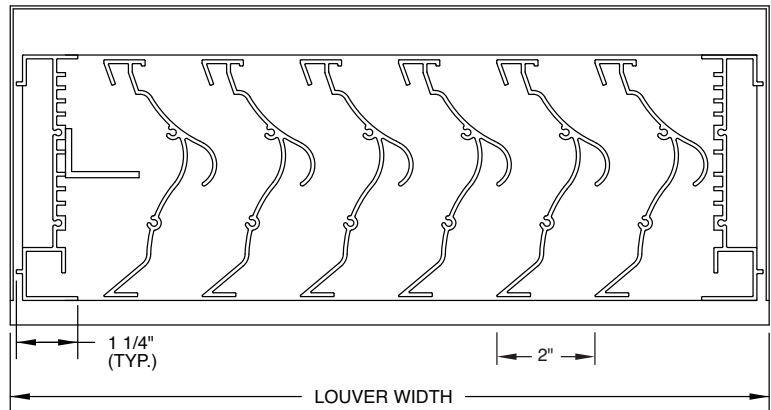
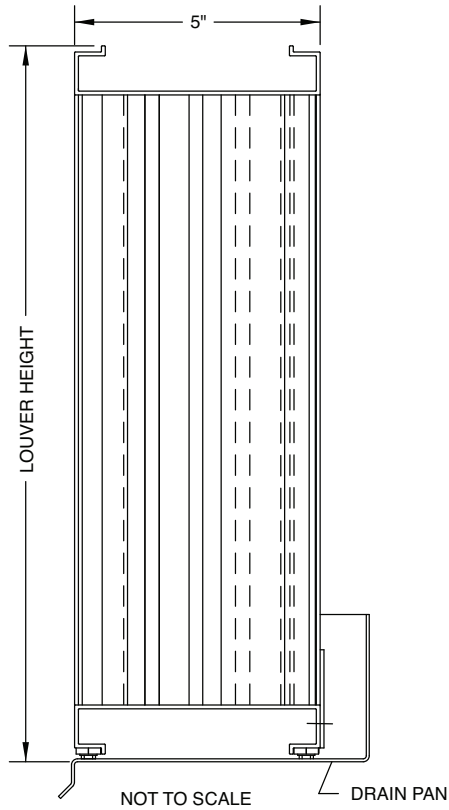
**CONSTRUCTION FEATURES**

**Material:**  
Extruded Aluminum 6063-T6/T52 Alloy  
**Frames:** .081" (nominal)  
**Blades:** .081" (nominal)  
**Face Of Louver:** Head and Blades contained within jambs, sill contains jambs, Approximate vertical blade centers 2".

**Screen:** (When Indicated, in a Removable Frame)

- Bird Screen - 1/2" Flattened Aluminum, .051" Thk.
- 1/2" Sq. Mesh Intermediate Double-Crimped Aluminum Wire, .063" Dia.
- 18/16 Mesh, .011" Dia. Aluminum Wire Insect Screen.

**Finish:** \_\_\_\_\_



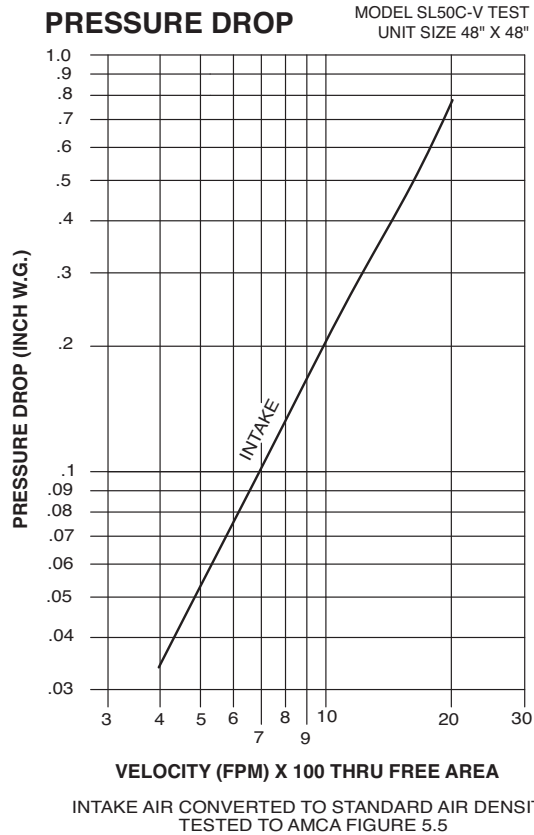
All dimensions are in inches.

**JOB NAME:**

**SUBMITTED BY:**

## PERFORMANCE DATA

TESTS OF A 48"x48" ACCORDING TO AMCA STANDARD 500-L SHOWS LESS THAN .22 INCHES WATER GAUGE PRESSURE DROP AT 1000 FPM (INTAKE). RATINGS DO NOT INCLUDE EFFECTS OF BIRD SCREEN.



### FREE AREA (SQ. FT.)

		WIDTH								
		12"	18"	24"	30"	36"	42"	48"	54"	60"
HEIGHT	12"	.30	.52	.74	.96	1.17	1.39	1.61	1.83	2.04
	24"	.67	1.15	1.64	2.12	2.60	3.09	3.57	4.05	4.54
	36"	1.04	1.79	2.53	3.28	4.03	4.78	5.53	6.28	7.03
	48"	1.40	2.42	3.43	4.45	5.46	6.48	7.49	8.51	9.52
	60"	1.77	3.05	4.33	5.61	6.89	8.17	9.45	10.73	12.01
	72"	2.14	3.68	5.23	6.78	8.32	9.87	11.41	12.96	14.51
	84"	2.51	4.32	6.13	7.94	9.75	11.56	13.38	15.19	17.00
	96"	2.87	4.95	7.03	9.11	11.18	13.26	15.34	17.41	19.49

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## 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, NOMINAL.  
LOUVER FREE AREA 5.57 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	0	0	0	0	0	0	0	774	859	987	3 IN. / HR. RAIN FALL AND 29 MPH VELOCITY
FREE AREA VENTILATION (CFM)	-	-	-	-	-	-	-	-	8338	9249	10,624	
FREE AREA VELOCITY (FPM)	-	-	-	-	-	-	-	-	1497	1661	1907	
EFFECTIVE RATING CLASS	A	A	A	A	A	A	A	A	A	A	C	
EFFECTIVENESS RATIO %	-	-	-	-	-	-	-	-	100	99.4	93.0	
FPM	0	0	0	0	400	487	567	671	783	871	976	8 IN. / HR. RAIN FALL AND 50 MPH VELOCITY
FREE AREA VENTILATION (CFM)	-	-	-	-	4310	5246	6100	7229	8428	9379	10,509	
FREE AREA VELOCITY (FPM)	-	-	-	-	774	942	1095	1298	1513	1684	1887	
EFFECTIVE RATING CLASS	A	A	A	A	A	A	A	A	B	B	C	
EFFECTIVENESS RATIO %	-	-	-	-	99.9	99.7	99.7	98.9	96.0	92.3	85.5	

#### DISCHARGE COEFFICIENT

INTAKE Cd= 0.28 (CLASS 3)

WIND DRIVEN RAIN PENETRATION CLASSIFICATIONS	
CLASS	EFFECTIVENESS %
A	100 TO 99%
B	98.9% TO 95%
C	94.9% TO 80%
D	BELOW 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.

All dimensions are in inches.

JOB NAME:

SUBMITTED BY: