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www.americlad.com

# **AC-92DC DRAINABLE STATIONARY LOUVER**

**CHANNEL FRAME** 

# STANDARD CONSTRUCTION

# **FRAME**

• 2" deep, 6063-T5 extruded aluminum with a .063" nominal wall thickness

### **BLADES**

- 6063-T5 extruded aluminum wit a .063" nominal wall thickness
- Blades are positioned at a 45° angle

### **SCREEN**

- 3/4" x .051" thick, aluminum flattened expanded metal bird screen in a removable frame
- Screen will add approximately 0.5" to the overall louver depth

## **FINISH**

Mill Finish

# MINIMUM LOUVER SIZE

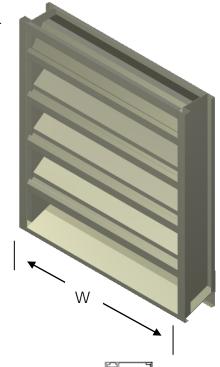
• 12" wide x 12" high

## **MAXIMUM LOUVER SIZE**

- 70 square feet per section
- Single section size not to exceed
   120" wide x 84" high or 84" wide x
   120" high
- Louvers exceeding the maximum single section size will be built in multiple sections and require field assembly

# **BLADE BRACE SUPPORT ANGLES**

• Depending on louver size, wind load, or other special requirements, louvers will have rear mounted blade support angles that will increase overall louver depth



# 2.000

# **STANDARD FEATURES**

- Aluminum construction, providing a high resistance to corrosion
- All welded construction for strength and durability
- 54% Free Area (based on a 48" x 48" unit)
- Drainable head collects and channels water to drainable jamb to provide excellent water penetration performance
- Drainable blade channels water to drainable jamb minimizing water cascade between blades
- Hidden mullions allow for continuous blade appearance up to 120"

# **OPTIONS AVAILABLE**

Many optional accessories to the basic design are available at an additional cost, including:

- Sill extension/head flashing
- Hinged frame/channel subframe
- Security bars
- Filter rack
- Bird/insect screens (please refer to screen submittal)
- Blank-off panels (standard or insulated)

# **FINISHES**

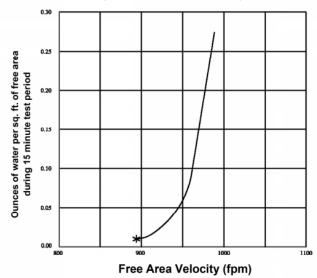
- Kynar 500/Hylar 5000
- Baked Enamel
- Prime Coat
- Anodized in various colors and shades (some color variation is possible with anodized finishes)

Note: Louvers built .25" smaller than opening size given

Contact Quality Metalcrafts, LLC / AMERICLAD® for any additional information or any special requirements

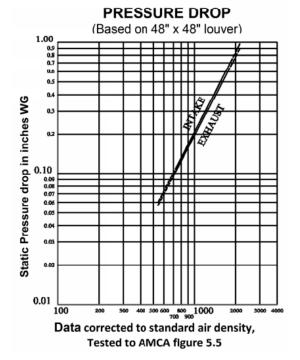
# **AC-92DF PERFORMANCE DATA SHEET**

# WATER PENETRATION \* Begining point of water penetration is 894 fpm (Based on 48" x 48" louver)



# WATER PENETRATION

AMCA defines the beginning point of water penetration as the free area velocity at which 0.01 ounces or less of water per square foot of louver free area is measured to pass through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides test data for the comparison of louver designs as to efficiency in resisting the penetration of rainfall under specific laboratory test conditions.



# LOUVER SIZE DETERMINATION

cfm /		fpm =_	ft²					
air flow volume	free area velo beginning poin penetrati	of water	required louver free area					
Select louver size from Free Area Chart below, based on required louver free area above.								
Determine pressure drop from Pressure Drop Chart based on required louver free area above.								



Quality Metalcrafts, LLC certifies that the product line 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 Rating Seal applies to water penetration and air performance ratings for rectangular louvers only.

# **AC-94D FREE AREA CHART**

Free area chart shows square feet of free area of various louver sizes
Free Area AMCA Licensed for openings up to 84" x 120"

H/W	12	24	36	48	60	72	84	96	108	120
12	0.38	0.83	1.27	1.72	2.16	2.61	3.05	3.50	3.94	4.39
24	0.87	1.89	2.92	3.94	4.96	5.98	7.00	8.02	9.05	10.07
36	1.41	2.24	4.71	6.36	8.02	9.67	11.32	12.97	14.62	16.27
48	1.94	4.20	6.47	8.73	11.00	13.26	15.53	17.79	20.06	22.32
60	2.43	5.27	8.11	10.95	13.79	16.64	19.48	22.32	25.16	28.00
72	2.97	6.44	9.91	13.38	16.85	20.32	23.79	27.27	30.74	34.21
84	3.49	7.58	11.66	15.75	19.83	23.92	28.00	32.09	36.17	40.26
96	3.98	8.64	13.30	17.97	22.63	27.29	31.95	36.61	41.27	45.94
108	4.52	9.81	15.10	20.39	25.69	30.98	36.27	41.56	46.85	52.14
120	5.04	10.95	16.86	22.76	28.67	34.57	40.48	46.38	52.29	58.19