# **MODEL EA-680-DAF**

6"

Not to scale

## Extruded Aluminum Louver • 6" Deep • 35° Drainable Blades • Airfoil Adjustable Blades • Combination

## Standard Materials and Construction

FRAME:	.081" thk. (nominal) extruded aluminum, 6063-T52/T6 alloy.
	Channel type.
BLADES:	Stationary blades are made from .081" thk. (nominal)
	extruded aluminum 6063-T52/T6 alloy. Adjustable blades
	are made from .125" thk. (nominal) extruded aluminum
	6063-T52/T6 alloy, in an Airfoil design. Blades are
	approximately 4½" on centers.
LOUVER FACE:	Full width head and sill with blades and jambs contained
	within.
SHAFT:	.50" dia. aluminum "Pin-Lock" rod.
LINKAGE:	Extruded aluminum, concealed in the channel out of
	the airstream. The pivots, which rotate in Celcon bearings,
	are .50" dia. plated and machined steel. The pivot is locked
	to the $\frac{1}{2}$ dia.aluminum linkage rod by a $\frac{1}{4}$ - 20 set screw
	with epoxy locking patch.
0541.0	
SEALS:	Extruded silicone rubber seals at blade edge. Foam on
	bottom blade. Stainless steel at jambs.
SCREEN:	(When indicated, in a removable frame)
	1/2" flattened aluminum, .051" thk.,
-or-	Insect screen <sup>18</sup> / <sub>16</sub> aluminum mesh, .011" dia.,
-or-	1/2" sq. mesh intermediate double crimped
•.	aluminum wire, .063" dia.
FINISH:	Mill.
FINISH.	IVIII.

### **Options**

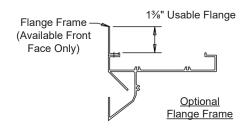
Thinishes - Enamels, Epoxies, etc. Other screens available. Actuators - Electric, Pneumatic, Manual, etc.

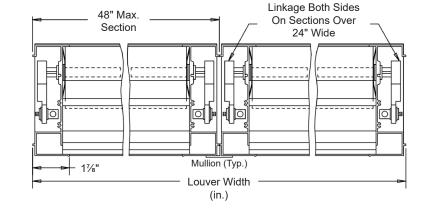
#### <u>Notes</u>

- 1. Nominal deductions will be made to the opening size given.
- 2. Approximate shipping weight is 5.8 lbs./sq.ft.

### Louver Sizes

Min Panel	Max Single Panel				
12"W x 12"H	48"W x 96"H				





Louver Height (in.)

41/2'

Item #	Qty	Width	Height	Width	Height	Mullion	Туре	Location			00
nem #		Opening Size Louv		er Size	Mullion	Screens				<u>Union Made</u>	
Arch.	Arch. / Eng.:					EDR:		ECN:		Job:	
Cont	Contractor:										
Project:						Date:		DWN:		DWG:	



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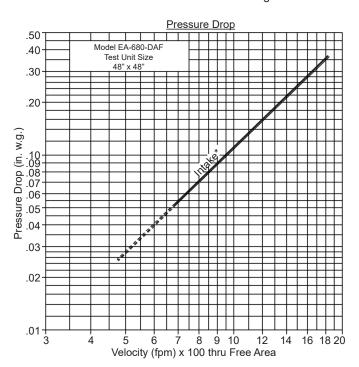
#### Performance Data

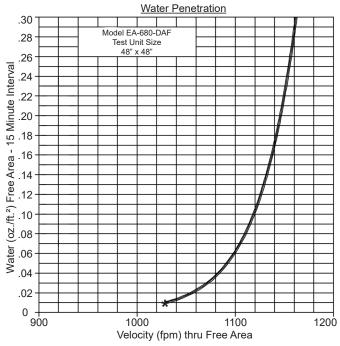
Pressure Drop: Free Area: Beginning Point of Water Penetration:

.14 in. w.g. at 1026 fpm 8.24 sq.ft. = 52% for 48"W x 48"H sample tested in accordance with AMCA Standard 500-L.

1029 fpm

Ratings do not include the effects of a screen.





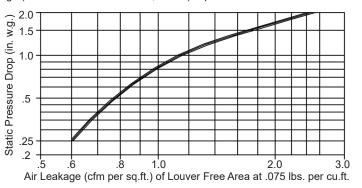
1029 (FPM) Beginning Point of Water Penetration.

\*Intake air converted to standard air density. Tested to AMCA Standard 500-L, Figure 5.5.

		Width (in.)									
		12"	18"	24"	30"	36"	42"	48"			
Height (in.)	12"	.14	.24	.34	.45	.55	.65	.76			
	24"	.64	1.12	1.60	2.08	2.55	3.03	3.51			
	36"	1.00	1.76	2.51	3.26	4.02	4.77	5.52			
	48"	1.50	2.62	3.74	4.87	5.99	7.11	8.24			
	60"	2.00	3.50	4.99	6.49	7.99	9.49	10.99			
	72"	2.36	4.14	5.91	7.68	9.45	11.23	13.00			
	84"	2.86	5.00	7.14	9.28	11.42	13.57	15.71			
	96"	3.36	5.87	8.39	10.91	13.43	15.94	18.46			

Free Area (sq.ft)

Air Leakage with adjustable blade in closed position with a seating torque of 6.25 in.lb./sq.ft. of Louver Face Area. Leakage is based on a test of a 48" x 48" louver. Air leakage (Louver Installation Position, Intake) is per AMCA Standard 500 Procedure Fig. 5.5.





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