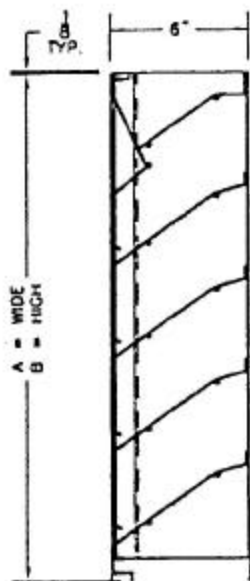
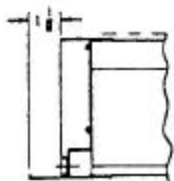


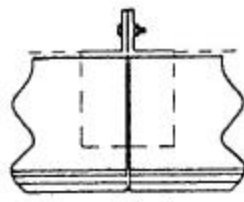
EXTRUDED ALUMINUM 6" DEEP, 35° FIXED
DRAINABLE TYPE BLADE, WITHSTANDS
DESIGN PRESSURES UP TO +/- 150 PSF



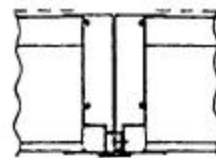
SECTION VIEW



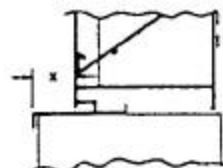
FLANGED FRAME
OPTIONAL
(JAMB SHOWN)



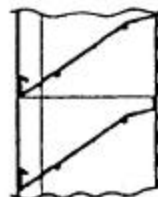
ARCHITECTURAL
VERTICAL MULLION
OPTIONAL



STANDARD
VERTICAL MULLION



EXTENDED SILL
OPTIONAL



STANDARD
HORIZONTAL MULLION

TAG	QUANTITY	"A" WIDE OPENING (IN.)	"B" HIGH OPENING (IN.)	NO. OF PANELS (WIDE BY HIGH)	OPTIONS	REMARKS
					FLANGED FRAME SILL EXTENSION (X" DIMENSION) SPECIAL SCREEN INSECT SCREEN ONLY SCREENS ON EXTERIOR	

SPECIAL FINISH:

MODEL EA-32
STANDARD SPECIFICATION

FRAME: 6" DEEP CHANNEL, .125 THICK 6063-T5 ALUMINUM ALLOY
(WELDED CONSTRUCTION)

BLADES: .125" THICK 6063-T5 ALUMINUM ALLOY.

SCREEN: 1/2" REMOVABLE EXPANDED ALUMINUM BIRD SCREEN,
LOCATED INTERIOR.

FINISH: MILL.

MAX. PANEL SIZE: 60" x 96"


MIN. PANEL SIZE: 12" x 12"

DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES.
LOUVERS ARE MADE 1/4" UNDERSIZED

DESIGN DATA: PASSED MIAMI-DADE COUNTY FLORIDA TEST
PROTOCOLS PA 201, PA 202 AND PA 203.

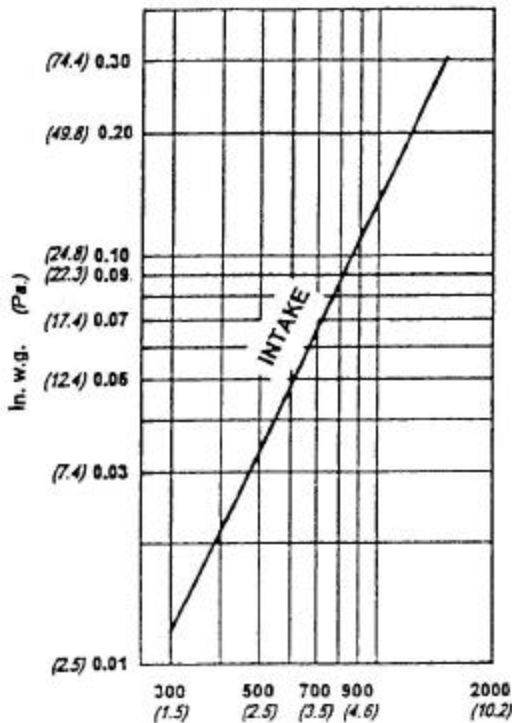
*PANELS OVER 30" WIDE HAVE A 2 x 2 x 1/4 VERTICAL INTERIOR
BLADE SUPPORT ANGLE AT THE APPROXIMATE CENTER OF PANELS.



REV.	DESCRIPTION	DATE	BY
DATE:			
ARROW UNITED PROD. No.:			
PROJECT:			
CUSTOMER / ORDER No.:			
ARCH. / ENGR.:			
AGENT / ORDER No.:			
 ARROW UNITED INDUSTRIES A Division of Mestek, Inc. 314 RIVERSIDE DRIVE / WYALUSING, PA 18853 TEL: (570) 746-1888 FAX: (570) 746-9286			
AGENT			
EA-32 STATIONARY LOUVER			
DRN. BY	DWG. NO.	REV.	
DATE	EA-32-1		

Water Penetration : .01 oz. (3.0 g.) at 1250 fpm (6.35 m/s) recommended free area velocity
 Pressure Drop : .21 in. wg. (52.1 Pa.) at 1250 fpm (6.35 m/s) and 11550 SCFM (5.45 scm/s)
 Free Area : 9.24 sq.ft. (0.858 sq. m.) = 58% for 48" x 48" (1.22 m x 1.22 m) test size

EA-32 PRESSURE DROP



EA-32 FREE AREA IN SQUARE FEET (sq. meters)

HEIGHT	WIDTH									
	In.	12	18	24	30	36	42	48	54	60
mm	304	457	609	762	914	1066	1219	1371	1524	
12	0.18	0.30	0.43	0.56	0.69	0.81	0.94	1.04	1.18	
304	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11	
18	0.46	0.80	1.13	1.47	1.81	2.14	2.48	2.73	3.07	
457	0.04	0.07	0.11	0.14	0.17	0.20	0.23	0.25	0.28	
24	0.69	1.18	1.70	2.20	2.70	3.20	3.71	4.08	4.68	
609	0.06	0.11	0.16	0.20	0.25	0.30	0.34	0.38	0.43	
30	0.98	1.69	2.40	3.11	3.82	4.53	5.24	5.78	6.48	
762	0.09	0.16	0.22	0.29	0.35	0.42	0.49	0.54	0.60	
36	1.21	2.08	2.96	3.84	4.72	5.59	6.47	7.13	8.01	
914	0.11	0.19	0.28	0.36	0.44	0.52	0.60	0.66	0.74	
42	1.49	2.58	3.66	4.76	5.84	6.92	8.01	8.82	9.91	
1066	0.14	0.24	0.34	0.44	0.54	0.64	0.74	0.82	0.92	
48	1.72	2.97	4.23	5.48	6.73	7.99	9.24	10.18	11.43	
1219	0.16	0.28	0.39	0.51	0.63	0.74	0.86	0.95	1.06	
54	2.01	3.47	4.93	6.39	7.85	9.31	10.77	11.87	13.33	
1371	0.19	0.32	0.46	0.59	0.73	0.87	1.00	1.10	1.24	
60	2.24	3.87	5.48	7.12	8.76	10.38	12.00	13.22	14.85	
1524	0.21	0.36	0.51	0.66	0.81	0.96	1.12	1.23	1.38	
66	2.62	4.36	6.20	8.03	9.87	11.70	13.64	14.92	16.76	
1676	0.23	0.41	0.58	0.75	0.92	1.09	1.26	1.39	1.56	
72	2.78	4.76	6.76	8.76	10.76	12.77	14.77	16.27	18.27	
1828	0.26	0.44	0.63	0.81	1.00	1.19	1.37	1.51	1.70	
78	3.04	5.25	7.46	9.67	11.88	14.09	16.31	17.96	20.17	
1981	0.28	0.49	0.69	0.90	1.10	1.31	1.51	1.67	1.87	
84	3.27	5.65	8.02	10.40	12.78	15.16	17.53	19.32	21.70	
2133	0.30	0.52	0.75	0.97	1.19	1.41	1.63	1.79	2.02	
90	3.56	6.14	8.72	11.31	13.90	16.48	19.07	21.01	23.60	
2286	0.33	0.57	0.81	1.05	1.29	1.53	1.77	1.95	2.19	
96	3.78	6.54	9.29	12.04	14.80	17.56	20.30	22.34	25.12	
2438	0.35	0.61	0.86	1.12	1.37	1.63	1.89	2.08	2.32	

VELOCITY THROUGH FREE AREA FPM (meters/sec.)

standard air - .075 lbs. per cu. ft.

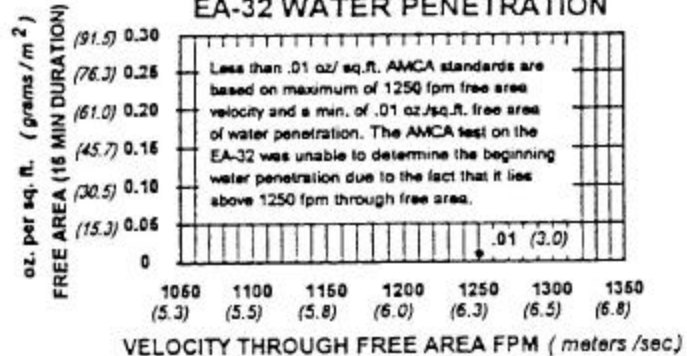
Ratings do not include the effect of a bird screen



ARROW certifies that the model EA-32 louver 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 Ratings Seal applies to air performance ratings and water penetration ratings.

EA-32

EA-32 WATER PENETRATION



Both maximum recommended free area velocity and beginning of water penetration are 1250 fpm at standard air - .075 lbs. per cu. ft. The above water penetration data is based on mill finish, 48" x 48" test size per the new AMCA Standard 511, effective November, 1990.

Below is an explanation of how to use the AMCA performance data for the recommended free area velocity of 1250 (6.35 m/s).

To determine minimum free area required for louver:

Step #1: Divide the required CFM flow by the maximum recommended free area velocity.

Step #2: Select the most desirable louver size, from the free area table, that meets the minimum free area requirement.

Step #3: Compare specified performance to the certified water penetration and pressure drop ratings.

Example: Given 15,000 CFM design flow

Step #1:

$$\text{min. free area} = \frac{\text{Design CFM}}{\text{Max. Recommended Velocity}}$$

$$= \frac{15,000}{1250} = 12.0 \text{ sq. ft.}$$

Step #2: From the free area table above the approximate louver size is 48" x 60" = (12.0 sq. ft.)