

6D375 STATIONARY LOUVER W/ CHANNEL FRAME

STANDARD CONSTRUCTION:

- Front Frame:** 6" deep, 6063-T6 extruded aluminum. .120" nominal wall thickness.
- Front Blade:** 6063-T6 extruded aluminum .120" nominal wall thickness. Blades are positioned at a 37.5 deg angle
- Birdscreen:** .500" woven .062 bird screen , aluminum bird screen in removable frame. Screen will add approximately 1/2" to the depth of the louver.
- Finish:** MILL
- Minimum Size:** 12"W x 12"H
- Maximum Single Section:** 120"W X 84"H or 84"W X 120"H Louvers exceeding max single section size will be built in multiple sections and require field assembly.



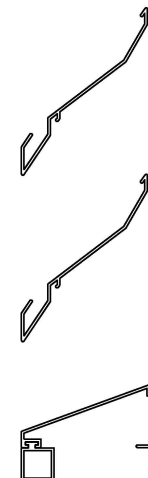
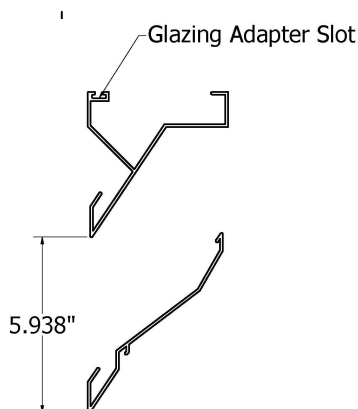
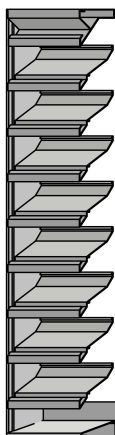
Options

- Flanged Frame (150"[38mm] std.)
- Custom Flange (1", 2", or 3") [25mm, 51mm, or 76mm]
- Extended Sill
- Insect/Bird Screen (other screens available, see screen page)
- Filter Racks (no screen)
- Security Bars
- Blank-off, Alum., non-insulated, no screen, non-removable
- Blank-off, Alum., non-insulated, with bird or insect screen.
- Blank-off, Alum., insulated double wall, with birdscreen.
- Blank-off, Alum., insulated double wall, no screen

Available Finishes

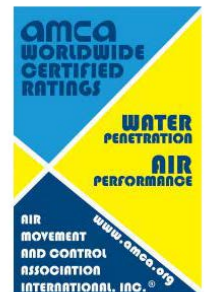
- Baked Enamel
- Kynar
- Prime Coat
- Clear and Color Anodized.

(Anodized color inconsistency is possible)



Glazing Adapter Option
(Other glazing adapters available)

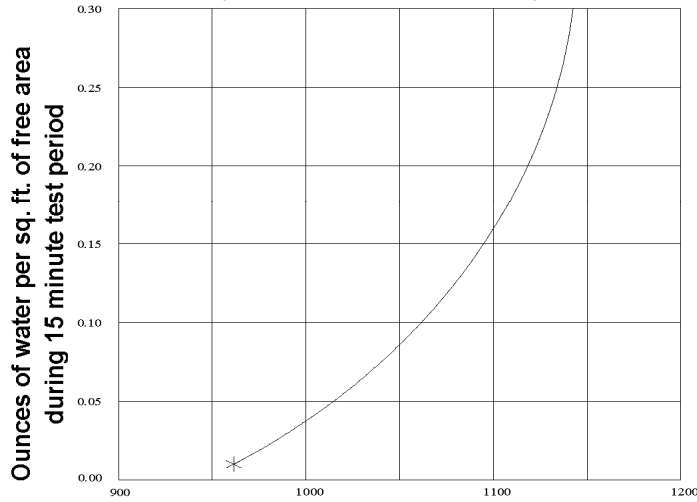
Air Performance certifies that the 6D375 shown herein is approved to bear the AMCA Listing Label. The rating shown are based on test and procedures performed in accordance with AMCA Publication and comply with the requirements of the AMCA listing label applies to Wind Borne Debris Impact Resistant Louvers and Rain Resistant Louvers



6D375-CF/FF PERFORMANCE DATA SHEET

WATER PENETRATION

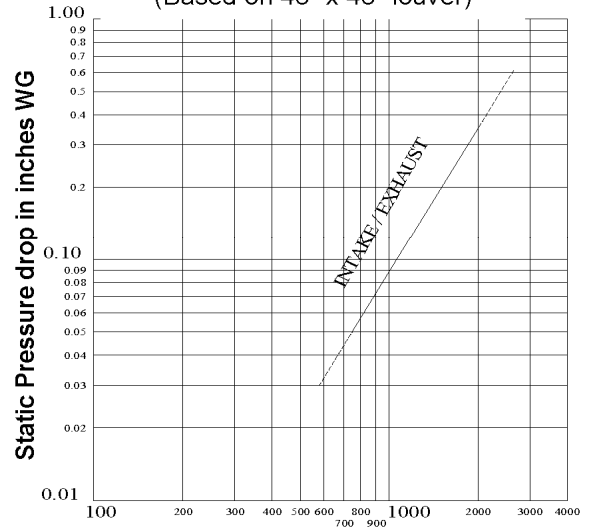
* Beginning point of water penetration is 962 fpm
(Based on 48" x 48" louver)



Free Area Velocity (fpm) Standard Air .075 lb/ft³

PRESSURE DROP

(Based on 48" x 48" louver)



Data corrected to standard air density,
Tested to AMCA figure 5.5

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 velocity @ beginning point of water penetration	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		



Air Performance, Inc. 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.

6D375-CF/FF FREE AREA CHART

Free area chart shows square feet of free area for various louver sizes
LOUVER WIDTH IN INCHES

LOUVER HEIGHT IN INCHES	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
12	0.28	0.46	0.63	0.80	0.98	1.15	1.33	1.50	1.67	1.85	2.02	2.19	2.37	2.54	2.72	2.89	3.06	3.24	3.41
18	0.56	0.90	1.24	1.58	1.92	2.27	2.61	2.95	3.29	3.63	3.98	4.32	4.66	5.00	5.34	5.69	6.03	6.37	6.71
24	0.83	1.34	1.85	2.36	2.87	3.38	3.89	4.40	4.91	5.42	5.93	6.44	6.95	7.46	7.97	8.48	8.99	9.50	10.01
30	1.10	1.78	2.46	3.14	3.82	4.50	5.17	5.85	6.53	7.21	7.89	8.57	9.25	9.92	10.60	11.28	11.96	12.64	13.32
36	1.38	2.22	3.07	3.92	4.76	5.61	6.46	7.30	8.15	9.00	9.84	10.69	11.54	12.38	13.23	14.08	14.92	15.77	16.62
42	1.65	2.66	3.68	4.69	5.71	6.72	7.74	8.75	9.77	10.78	11.80	12.81	13.83	14.84	15.86	16.88	17.89	18.91	19.92
48	1.92	3.11	4.29	5.47	6.66	7.84	9.17	10.21	11.39	12.57	13.76	14.94	16.12	17.31	18.49	19.67	20.86	22.04	23.22
54	2.20	3.55	4.90	6.25	7.60	8.95	10.31	11.66	13.01	14.36	15.71	17.06	18.41	19.77	21.12	22.47	23.82	25.17	26.52
60	2.47	3.99	5.51	7.03	8.55	10.07	11.59	13.11	14.63	16.15	17.67	19.19	20.71	22.23	23.75	25.27	26.79	28.31	29.83
66	2.74	4.43	6.12	7.81	9.50	11.18	12.87	14.56	16.25	17.94	19.62	21.31	23.00	24.69	26.38	28.06	29.75	31.44	33.13
72	3.02	4.87	6.73	8.59	10.44	12.30	14.15	16.01	17.87	19.72	21.58	23.44	25.29	27.15	29.01	30.86	32.72	34.57	36.43
78	3.29	5.31	7.34	9.36	11.39	13.41	15.44	17.46	19.49	21.51	23.54	25.56	27.59	29.61	31.63	33.66	35.68	37.71	39.73
84	3.56	5.76	7.95	10.14	12.33	14.53	16.72	18.91	21.11	23.30	25.49	27.69	29.88	32.07	34.26	36.46	38.65	40.84	43.04
90	3.84	6.20	8.56	10.92	13.28	15.64	18.00	20.36	22.73	25.09	27.45	29.81	32.17	34.53	36.89	39.25	41.61	43.98	46.34
96	4.11	6.64	9.17	11.70	14.23	16.76	19.29	21.82	24.35	26.87	29.40	31.93	34.46	36.99	39.52	42.05	44.58	47.11	49.64
102	4.38	7.08	9.78	12.48	15.17	17.87	20.57	23.27	25.97	28.66	31.36	34.06	36.76	39.45	42.15	44.85	47.55	50.24	52.94
108	4.66	7.52	10.39	13.25	16.12	18.99	21.85	24.72	27.58	30.45	33.32	36.18	39.05	41.91	44.78	47.65	50.51	53.38	56.24
114	4.93	7.96	11.00	14.03	17.07	20.10	23.14	26.17	29.20	32.24	35.27	38.31	41.34	44.38	47.41	50.44	53.48	56.51	59.55
120	5.20	8.41	11.61	14.81	18.01	21.22	24.42	27.62	30.82	34.03	37.23	40.43	43.63	46.84	50.04	53.24	56.44	59.65	62.85