



EXTRUDED ALUMINUM STATIONARY LOUVER 6" (152) DEEP • HIGH PERFORMANCE DRAINABLE BLADE MODEL: DHP-06

Safe-Air Model DHP-06 is designed to provide excellent weather protection in non-wind driven rain conditions. With its high free area and water penetration velocity, this louver offers a blend of air performance and aesthetics that compliment any structure's exterior styling. The drainable head feature is enhanced by the drainable blade design which utilizes additional rain gutters that divert collected water through concealed side downspouts. Blades are reinforced with full length integral bosses for superior strength. Suitable for use in exhaust and low to medium velocity intake applications where water penetration concerns are a priority. Available in channel, flanged or glazing adapter type, the 6" (152) deep frame installs easily in most common wall configurations.

STANDARD CONSTRUCTION:

- FRAME:** 6" (152) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.
- BLADES:** Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.
- BLADE ANGLE:** Fixed at 31 degrees.
- BLADE SPACING:** Approximately 4" (102) on centers.
- BLADE SUPPORT BRACKETS:** Concealed type, factory installed on rear of louver on maximum 48" (1219) centers. Reinforced with 1 1/2" x 2" (38 x 51) angle (adds approx. 2" [51] to overall louver depth).
- MULLIONS:** Concealed type allowing continuous line appearance up to 120" (3048) wide. Larger assemblies require separate visible frames with downspouts.
- SCREEN:** 3/4" x .051 (19 x 1.3) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approximately 3/8" [10] to louver depth).
- FINISH:** Mill.
- MINIMUM SIZE:** 12" W x 12" H (305 x 305).
- MAX. SINGLE SECTION SIZE:** 120" W x 84" H (3048 x 2134) or 84" W x 120" H (2134 x 3048). 70 sq. ft. (6.5m²).
- SECTION SIZE:** Larger louvers will require field assembly of smaller sections.

OPTIONS:

- | | |
|---|--|
| ☐ FL15 Flanged Frame, 1 1/2" (38). | ☐ WE Welded Construction. |
| ☐ FL20 Flanged Frame, 2" (51). | ☐ ESI Extended Sill. |
| ☐ BSSS Type 304 S.S. Bird Screen. | ☐ FR1 1" (25) Filter Rack. |
| ☐ BSN No Bird Screen. | ☐ FR2 2" (51) Filter Rack. |
| ☐ ISA Aluminum Insect Screen. | ☐ PACA Perimeter Anchor Clips. |
| ☐ ISSS Type 304 S.S. Insect Screen. | ☐ Other: _____. |

OPTIONAL FINISHES:

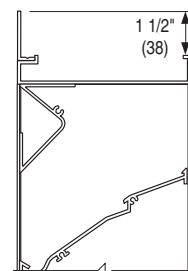
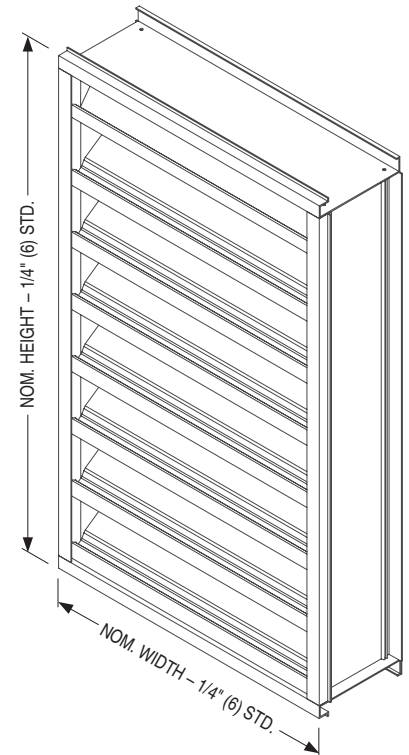
- ☐ **PC3** Powder Coat AAMA 2603. Color: _____.
- ☐ **PC4** High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: _____.
- ☐ **PC5** Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: _____.
- ☐ **PCC** Prime Coat.
- ☐ **AN04** Clear Anodized 204-R1.
- ☐ **AN15** Clear Anodized 215-R1.

Color Anodized:

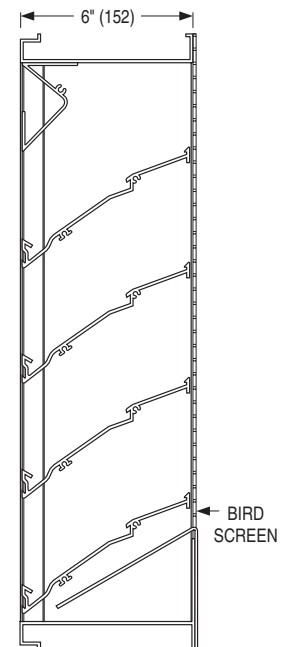
- | | |
|--|---|
| ☐ ANLB Light Bronze. | ☐ ANMB Medium Bronze. |
| ☐ ANDB Dark Bronze. | ☐ ANBK Black. |

OPTIONAL W x H SIZING (1/4" [6.5] Undersize standard):

- ☐ **U00** Exact Size.
- ☐ **U38** Undersize 3/8" (9.5).
- ☐ **U50** Undersize 1/2" (12.7).



OPT. FLANGED FRAME
(FL15 STD.)



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
3 - 31 - 25	LV	3 - 12 - 24	DHP-06



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FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																		
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
Height in Inches and Meters	12	0.31	0.51	0.70	0.89	1.09	1.28	1.48	1.67	1.87	2.06	2.25	2.45	2.64	2.84	3.03	3.22	3.42	3.61	3.81
	0.30	0.03	0.05	0.07	0.08	0.10	0.12	0.14	0.16	0.17	0.19	0.21	0.23	0.25	0.26	0.28	0.30	0.32	0.34	0.35
	18	0.60	0.98	1.35	1.73	2.11	2.48	2.86	3.23	3.61	3.99	4.36	4.74	5.11	5.49	5.87	6.24	6.62	6.99	7.37
	0.46	0.06	0.09	0.13	0.16	0.20	0.23	0.27	0.30	0.34	0.37	0.41	0.44	0.48	0.51	0.54	0.58	0.61	0.65	0.68
	24	0.90	1.47	2.03	2.60	3.16	3.73	4.29	4.85	5.42	5.98	6.55	7.11	7.67	8.24	8.80	9.37	9.93	10.49	11.06
	0.61	0.08	0.14	0.19	0.24	0.29	0.35	0.40	0.45	0.50	0.56	0.61	0.66	0.71	0.77	0.82	0.87	0.92	0.97	1.03
	30	1.19	1.93	2.68	3.42	4.16	4.90	5.64	6.39	7.13	7.87	8.61	9.35	10.10	10.84	11.58	12.32	13.07	13.81	14.55
	0.76	0.11	0.18	0.25	0.32	0.39	0.46	0.52	0.59	0.66	0.73	0.80	0.87	0.94	1.01	1.08	1.14	1.21	1.28	1.35
	36	1.33	2.16	3.00	3.83	4.66	5.49	6.32	7.15	7.98	8.81	9.65	10.48	11.31	12.14	12.97	13.80	14.63	15.46	16.30
	0.86	0.12	0.20	0.28	0.36	0.43	0.51	0.59	0.66	0.74	0.82	0.90	0.97	1.05	1.13	1.20	1.28	1.36	1.44	1.51
	42	1.77	2.87	3.97	5.07	6.17	7.27	8.37	9.47	10.57	11.67	12.78	13.88	14.98	16.08	17.18	18.28	19.38	20.48	21.58
	1.07	0.16	0.27	0.37	0.47	0.57	0.68	0.78	0.88	0.98	1.08	1.19	1.29	1.39	1.49	1.60	1.70	1.80	1.90	2.01
	48	2.05	3.33	4.61	5.89	7.17	8.45	9.65	11.01	12.29	13.57	14.85	16.13	17.41	18.69	19.97	21.24	22.52	23.80	25.08
	1.22	0.19	0.31	0.43	0.55	0.67	0.79	0.90	1.02	1.14	1.26	1.38	1.50	1.62	1.74	1.85	1.97	2.09	2.21	2.33
	54	2.34	3.80	5.26	6.73	8.19	9.65	11.11	12.57	14.03	15.49	16.95	18.41	19.87	21.33	22.79	24.25	25.71	27.17	28.64
	1.37	0.22	0.35	0.49	0.62	0.76	0.90	1.03	1.17	1.30	1.44	1.57	1.71	1.85	1.98	2.12	2.25	2.39	2.52	2.66
	60	2.64	4.28	5.92	7.57	9.21	10.86	12.50	14.14	15.79	17.43	19.07	20.72	22.36	24.01	25.65	27.29	28.94	30.58	32.22
	1.52	0.24	0.40	0.55	0.70	0.86	1.01	1.16	1.31	1.47	1.62	1.77	1.92	2.08	2.23	2.38	2.54	2.69	2.84	2.99
	66	2.92	4.74	6.56	8.39	10.21	12.03	13.85	15.67	17.49	19.31	21.13	22.96	24.78	26.60	28.42	30.24	32.06	33.88	35.71
	1.68	0.27	0.44	0.61	0.78	0.95	1.12	1.29	1.46	1.63	1.79	1.96	2.13	2.30	2.47	2.64	2.81	2.98	3.15	3.32
	72	3.21	5.22	7.22	9.22	11.23	13.23	15.24	17.24	19.24	21.25	23.25	25.25	27.26	29.26	31.26	33.27	35.27	37.27	39.28
	1.83	0.30	0.48	0.67	0.86	1.04	1.23	1.42	1.60	1.79	1.97	2.16	2.35	2.53	2.72	2.90	3.09	3.28	3.46	3.65
	78	3.50	5.68	7.87	10.05	12.23	14.41	16.60	18.78	20.96	23.14	25.33	27.51	29.69	31.87	34.05	36.24	38.42	40.60	42.78
	1.98	0.33	0.53	0.73	0.93	1.14	1.34	1.54	1.74	1.95	2.15	2.35	2.56	2.76	2.96	3.16	3.37	3.57	3.77	3.97
	84	3.79	6.16	8.52	10.89	13.25	15.61	17.98	20.34	22.71	25.07	27.43	29.80	32.16	34.53	36.89	39.25	41.62	43.98	46.35
	2.13	0.35	0.57	0.79	1.01	1.23	1.45	1.67	1.89	2.11	2.33	2.55	2.77	2.99	3.21	3.43	3.65	3.87	4.09	4.31
	90	4.08	6.63	9.17	11.72	14.26	16.81	19.35	21.89	24.44	26.98	29.53	32.07	34.62						
	2.29	0.38	0.62	0.85	1.09	1.32	1.56	1.80	2.03	2.27	2.51	2.74	2.98	3.22						
	96	4.37	7.09	9.82	12.54	15.27	17.99	20.71	23.44	26.16	28.89	31.61	34.33	37.06						
	2.44	0.41	0.66	0.91	1.17	1.42	1.67	1.92	2.18	2.43	2.68	2.94	3.19	3.44						
	102	4.66	7.57	10.47	13.38	16.28	19.19	22.09	25.00	27.90	30.81	33.71	36.62	39.52						
	2.59	0.43	0.70	0.97	1.24	1.51	1.78	2.05	2.32	2.59	2.86	3.13	3.40	3.67						
	108	4.95	8.04	11.12	14.21	17.29	20.38	23.46	26.55	29.63	32.72	35.80	38.89	41.97						
	2.74	0.46	0.75	1.03	1.32	1.61	1.89	2.18	2.47	2.75	3.04	3.33	3.61	3.90						
	114	5.24	8.51	11.78	15.04	18.31	21.58	24.84	28.11	31.38	34.65	37.91	41.18	44.45						
	2.90	0.49	0.79	1.09	1.40	1.70	2.00	2.31	2.61	2.92	3.22	3.52	3.83	4.13						
	120	5.53	8.98	12.42	15.87	19.31	22.76	26.21	29.65	33.10	36.54	39.99	43.44	46.88						
	3.05	0.51	0.83	1.15	1.47	1.79	2.11	2.43	2.75	3.07	3.40	3.72	4.04	4.36						



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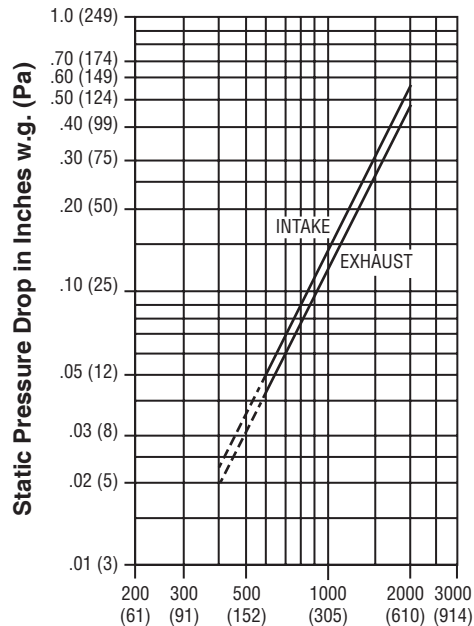
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AIRFLOW/WATER PENETRATION DATA for 48" x 48" (1219 x 1219) Louver Size

I N T A K E	Free Area %	60%
	Free Area sq. ft. (sq. m.)	9.65 (0.90)
	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	1186 fpm (361 m/min.)
	Air Volume at 1186 fpm Free Area Velocity	11,445 cfm (5401 l/s)
	Pressure Drop @ 1186 fpm	.19 in. w.g. (47 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48" x 48" (1219 x 1219 mm).

Standard air density @ 0.075 lbs/ft³.

Tested to AMCA Fig. 5.5 - 6.5.



Safe-Air certifies that the Model DHP-06 shown herein is licensed to bear the AMCA Certified Ratings Program 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 Program seal applies to Water Penetration and Air Performance ratings. Louvers were tested in accordance with AMCA Standard 500-L.



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