



EXTRUDED ALUMINUM STATIONARY LOUVER 6" (152) DEEP • DUAL DRAINABLE BLADE MODEL: 1606DD

Model 1606DD is a dual drainable blade type louver that provides maximum weather protection, good air performance and aesthetics that compliment any building design. With the beginning point of water penetration at 1193 fpm (6.06 m/s) free area velocity, the design allows for optimal weather protection at higher airflow rates. Standard construction features a drainable head that collects the water running down the building face and channels it out the concealed downspouts in the side frame, preventing it from flowing down into the airstream. Suitable for use in exhaust and low to medium velocity intake applications, the dual drainable blade design utilizes double rain gutters that divert collected water down concealed side downspouts and out the sill. Blades are reinforced with full length integral bosses for superior strength and the design exhibits low pressure drop characteristics throughout the full airflow range. Available with channel or flanged type frame to suit most architectural and mechanical installation requirements, Model 1606DD is engineered for maximum protection from the elements and is AMCA Licensed.

STANDARD CONSTRUCTION:

- FRAME:** 6" (152) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.
- BLADES:** Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.
- BLADE ANGLE:** Fixed at 37 degrees.
- BLADE SPACING:** Approx. 6" (152) on centers.
- BLADE SUPPORT BRACKETS:** Concealed type, factory installed on rear of louver on maximum 48" (1219) centers. Reinforced with 1" x 1" (25 x 25) angle (adds approx. 1" (25) 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). Larger louvers will require field assembly of smaller sections.

OPTIONS:

- FL** Flanged Frame.
- BSSS** Type 304 S.S. Bird Screen.
- BSN** No Bird Screen.
- ISA** Aluminum Insect Screen.
- ISSS** Type 304 S.S. Insect Screen.
- WE** Welded Construction.
- ESI** Extended Sill.
- FR1** 1" (25) Filter Rack.
- FR2** 2" (51) Filter Rack.
- PAC** Perimeter Anchor Clips.
- Other:** _____

OPTIONAL FINISHES:

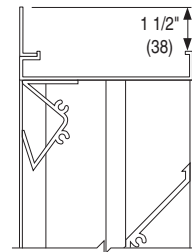
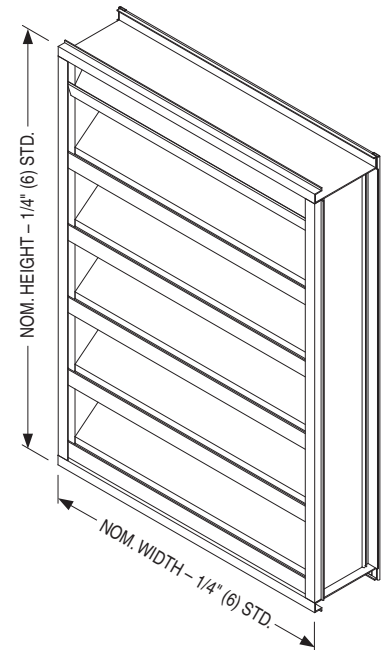
- PC3** Powder Coat AAMA 2603. Color: _____
- PC4** High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: _____
- PC5** Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: _____
- PCC** Prime Coat.
- AN04** Clear Anodized 204-R1.
- AN15** Clear Anodized 215-R1.

Color Anodized:

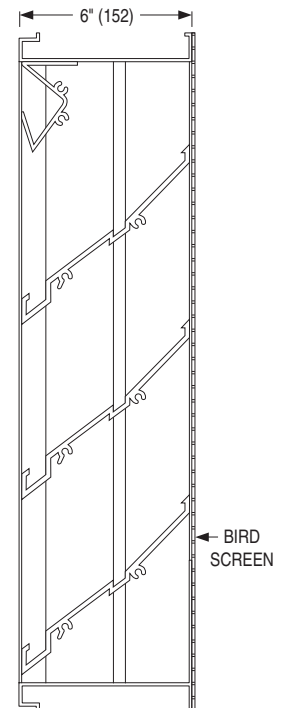
- ANLB** Light Bronze. **ANMB** Medium Bronze.
- ANDB** Dark Bronze. **ANBK** Black.

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).



FLANGED FRAME (FL)
(OPTIONAL)



← BIRD SCREEN

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
2 - 2 - 11	1600	9 - 22 - 03R	1606DD



EXTRUDED ALUMINUM LOUVER
6" (152) DEEP • DUAL DRAINABLE BLADE
PERFORMANCE DATA
MODEL: 1606DD

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
		0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44	2.59	2.74	2.90	3.05
Height in Inches and Meters	12	0.18	0.29	0.39	0.50	0.61	0.72	0.82	0.93	1.04	1.15	1.25	1.36	1.47	1.58	1.68	1.79	1.90	2.01	2.11
	0.30	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	18	0.43	0.69	0.95	1.21	1.47	1.73	1.99	2.25	2.51	2.77	3.03	3.29	3.55	3.81	4.07	4.33	4.59	4.85	5.11
	0.46	0.04	0.06	0.09	0.11	0.14	0.16	0.19	0.21	0.23	0.26	0.28	0.31	0.33	0.35	0.38	0.40	0.43	0.45	0.47
	24	0.69	1.10	1.51	1.92	2.33	2.75	3.16	3.57	3.98	4.40	4.81	5.22	5.63	6.04	6.46	6.87	7.28	7.69	8.10
	0.61	0.06	0.10	0.14	0.18	0.22	0.26	0.29	0.33	0.37	0.41	0.45	0.48	0.52	0.56	0.60	0.64	0.68	0.71	0.75
	30	0.95	1.51	2.08	2.65	3.22	3.78	4.35	4.92	5.49	6.05	6.62	7.19	7.76	8.32	8.89	9.46	10.02	10.59	11.16
	0.76	0.09	0.14	0.19	0.25	0.30	0.35	0.40	0.46	0.51	0.56	0.62	0.67	0.72	0.77	0.83	0.88	0.93	0.98	1.04
	36	1.21	1.93	2.65	3.37	4.10	4.82	5.54	6.27	6.99	7.71	8.44	9.16	9.88	10.60	11.33	12.05	12.77	13.50	14.22
	0.91	0.11	0.18	0.25	0.31	0.38	0.45	0.51	0.58	0.65	0.72	0.78	0.85	0.92	0.99	1.05	1.12	1.19	1.25	1.32
	42	1.46	2.34	3.22	4.10	4.98	5.86	6.74	7.62	8.50	9.37	10.25	11.13	12.01	12.89	13.77	14.65	15.53	16.41	17.28
	1.07	0.14	0.22	0.30	0.38	0.46	0.54	0.63	0.71	0.79	0.87	0.95	1.03	1.12	1.20	1.28	1.36	1.44	1.52	1.61
	48	1.72	2.76	3.79	4.83	5.86	6.90	7.92	8.96	10.00	11.03	12.07	13.10	14.14	15.17	16.21	17.24	18.27	19.31	20.34
	1.22	0.16	0.26	0.35	0.45	0.54	0.64	0.74	0.83	0.93	1.03	1.12	1.22	1.31	1.41	1.51	1.60	1.70	1.79	1.89
	54	1.98	3.17	4.36	5.55	6.74	7.93	9.12	10.31	11.50	12.69	13.88	15.07	16.26	17.45	18.64	19.83	21.02	22.21	23.40
	1.37	0.18	0.29	0.41	0.52	0.63	0.74	0.85	0.96	1.07	1.18	1.29	1.40	1.51	1.62	1.73	1.84	1.95	2.06	2.17
60	2.30	3.68	5.06	6.44	7.81	9.19	10.57	11.95	13.33	14.71	16.09	17.47	18.85	20.22	21.60	22.98	24.36	25.74	27.12	
1.52	0.21	0.34	0.47	0.60	0.73	0.85	0.98	1.11	1.24	1.37	1.49	1.62	1.75	1.88	2.01	2.14	2.26	2.39	2.52	
66	2.50	4.00	5.50	7.01	8.51	10.01	11.51	13.01	14.51	16.01	17.52	19.02	20.52	22.02	23.52	25.02	26.52	28.03	29.53	
1.68	0.23	0.37	0.51	0.65	0.79	0.93	1.07	1.21	1.35	1.49	1.63	1.77	1.91	2.05	2.19	2.32	2.46	2.60	2.74	
72	2.77	4.44	6.10	7.76	9.43	11.09	12.75	14.42	16.08	17.74	19.41	21.07	22.73	24.40	26.06	27.72	29.39	31.05	32.71	
1.83	0.26	0.41	0.57	0.72	0.88	1.03	1.18	1.34	1.49	1.65	1.80	1.96	2.11	2.27	2.42	2.58	2.73	2.88	3.04	
78	3.02	4.83	6.65	8.46	10.27	12.09	13.90	15.71	17.53	19.34	21.15	22.96	24.78	26.59	28.40	30.22	32.03	33.84	35.65	
1.98	0.28	0.45	0.62	0.79	0.95	1.12	1.29	1.46	1.63	1.80	1.96	2.13	2.30	2.47	2.64	2.81	2.98	3.14	3.31	
84	3.28	5.25	7.22	9.19	11.15	13.12	15.09	17.06	19.03	21.00	22.97	24.93	26.90	28.87	30.84	32.81	34.78	36.74	38.71	
2.13	0.30	0.49	0.67	0.85	1.04	1.22	1.40	1.58	1.77	1.95	2.13	2.32	2.50	2.68	2.86	3.05	3.23	3.41	3.60	
90	3.54	5.66	7.79	9.91	12.04	14.16	16.28	18.41	20.53	22.66	24.78	26.90	29.03	31.15	33.28	35.40	37.52	39.65	41.77	
2.29	0.33	0.53	0.72	0.92	1.12	1.32	1.51	1.71	1.91	2.10	2.30	2.50	2.70	2.89	3.09	3.29	3.49	3.68	3.88	
96	3.80	6.08	8.36	10.64	12.92	15.20	17.48	19.76	22.04	24.32	26.60	28.88	31.16	33.44	35.72	38.00	40.28	42.56	44.84	
2.44	0.35	0.56	0.78	0.99	1.20	1.41	1.62	1.84	2.05	2.26	2.47	2.68	2.89	3.11	3.32	3.53	3.74	3.95	4.17	
102	4.06	6.49	8.93	11.36	13.80	16.24	18.67	21.11	23.54	25.98	28.41	30.85	33.28	35.72	38.15	40.59	43.02	45.46	47.89	
2.59	0.38	0.60	0.83	1.06	1.28	1.51	1.73	1.96	2.19	2.41	2.64	2.87	3.09	3.32	3.54	3.77	4.00	4.22	4.45	
108	4.32	6.91	9.50	12.09	14.68	17.27	19.87	22.46	25.05	27.64	30.23	32.82	35.41	38.00	40.60	43.19	45.78	48.37	50.96	
2.74	0.40	0.64	0.88	1.12	1.36	1.60	1.85	2.09	2.33	2.57	2.81	3.05	3.29	3.53	3.77	4.01	4.25	4.49	4.73	
114	4.58	7.32	10.07	12.82	15.56	18.31	21.06	23.80	26.55	29.30	32.04	34.79	37.54	40.28	43.03	45.77	48.52	51.27	54.01	
2.90	0.43	0.68	0.94	1.19	1.45	1.70	1.96	2.21	2.47	2.72	2.98	3.23	3.49	3.74	4.00	4.25	4.51	4.76	5.02	
120	4.84	7.74	10.64	13.54	16.45	19.35	22.25	25.15	28.06	30.96	33.86	36.76	39.66	42.57	45.47	48.37	51.27	54.18	57.08	
3.05	0.45	0.72	0.99	1.26	1.53	1.80	2.07	2.34	2.61	2.88	3.15	3.42	3.68	3.95	4.22	4.49	4.76	5.03	5.30	



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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 Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

2 - 2 - 11

1600

9 - 17 - 03R

1606DD



**EXTRUDED ALUMINUM LOUVER
6" (152) DEEP • DUAL DRAINABLE BLADE
PERFORMANCE DATA
MODEL: 1606DD**

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

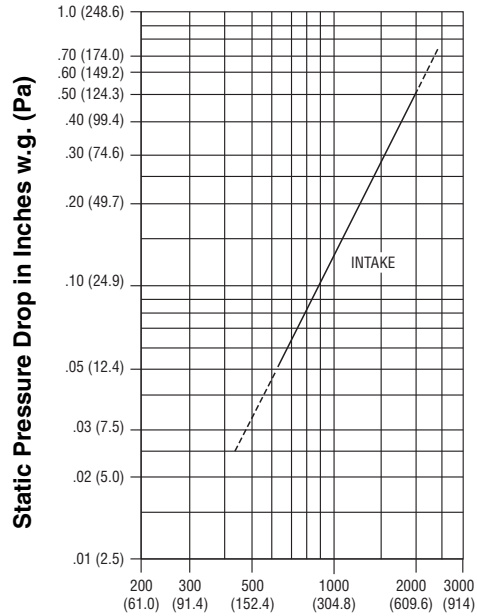
Free Area %		50%
Free Area sq. ft. (sq. m.)		7.92 (0.74)
I N T A K E	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	1193 fpm (364 m/min.)
	Air Volume at 1193 fpm	9449 cfm (4459 l/s)
	Free Area Velocity	
	Pressure Drop @ 1193 fpm	.18 in. w.g. (45 Pa)

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



Nailor Industries Inc. certifies the Model 1606DD 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. Seal applies to air performance ratings and water penetration ratings.

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.

SCHEDULE TYPE:	Page 3 of 3 Dimensions are in inches (mm).			
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	2 - 2 - 11	1600	9 - 17 - 03R	1606DD