

- STANDARD BLADE STYLE
- WEATHER RESISTANT
- CLEAN ARCHITECTURAL APPEARANCE
- EXTRUDED ALUMINUM

MODELS:

1602SB 2" (51) DEEP

1604SB 4" (102) DEEP



Model 1602SB

Model 1604SB

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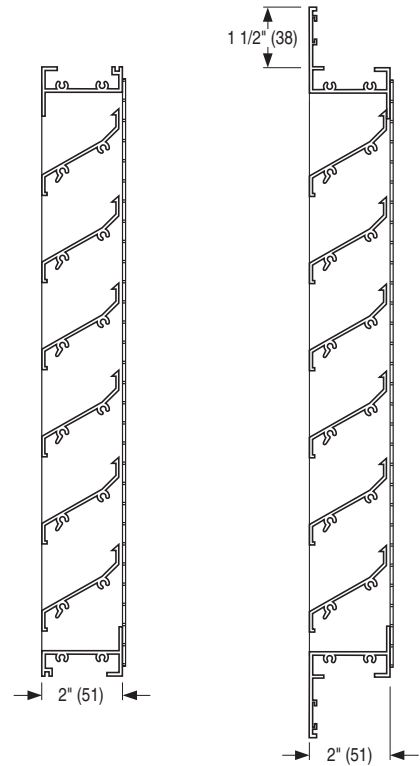
MODEL 1602SB

Model 1602SB, Standard Blade type, is an architecturally styled 2" (51) deep louver designed with smooth, clean lines that visually compliment any structure's exterior styling. It is ideal for use in thin wall applications or a/c units where a full depth louver cannot be used. Suitable for use in exhaust and low to medium velocity intake applications, the J-style blade design features a rear water baffle and provides good protection against general weather conditions, with low pressure drop characteristics. Reinforcing bosses run the full length of each blade for superior strength. Available with channel or flanged type frame, the 1602SB's thinline design is styled to please and engineered to perform.

LOUVERS

MODEL 1602SB STANDARD CONSTRUCTION:

- FRAME:** 2" (51) deep, Type 6063-T5 extruded aluminum, .060" (1.5) nominal wall thickness. Integral caulking slot provided.
- BLADES:** Type 6063-T5 extruded aluminum, .060" (1.5) nominal wall thickness, with reinforcing bosses.
- BLADE ANGLE:** Fixed at 30 degrees.
- BLADE SPACING:** Approx. 2" (51) 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 architectural type.
- SCREEN:** 1/2" x 1/2" x 19 ga. (13 x 13 x 1.0) galvanized bird screen. Screen adds 3/8" (10) to louver depth.
- FINISH:** Mill. Optional finishes are available.
- MINIMUM SIZE:** 8" wide x 8" high (203 x 203).
- MAXIMUM SIZE:** 120" wide x 96" high (3048 x 2438). Larger sizes will be manufactured in sections with hidden architectural style rear mullions for assembly in the field.



**MODEL 1602SB
STANDARD
CHANNEL FRAME**

**MODEL 1602SB
WITH OPTIONAL
FLANGED FRAME**

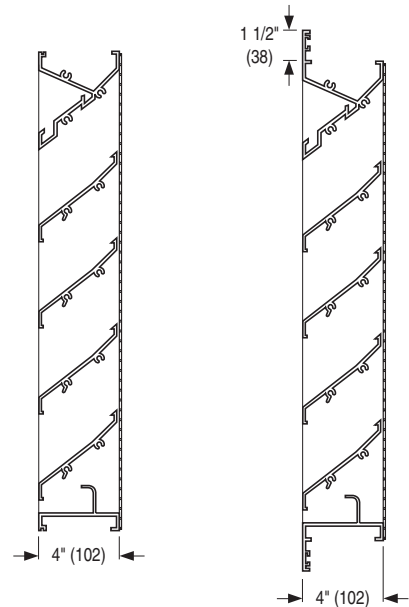
MODEL 1604SB

Model 1604SB, Standard Blade type, is an architecturally styled 4" (102) deep louver designed with smooth, clean lines that visually compliment any structure's exterior styling. Available in channel or flanged type, the 4" (102) deep frame installs easily in most common wall configurations. The drainable head feature utilizes a top gutter that collects the water running down the building face and channels it out the concealed downspouts in the side frame, thus preventing it from flowing down into the airstream. Suitable for use in exhaust and low to medium velocity intake applications, the J-style blade design features a rear water baffle and provides good protection against general weather conditions, with low pressure drop characteristics and a high free area.

MODEL 1604SB STANDARD CONSTRUCTION:

- FRAME:** 4" (102) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral 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. 4" (102) 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 architectural type.
- SCREEN:** 1/2" x 1/2" x 19 ga. (13 x 13 x 1.0) galvanized bird screen. Screen adds 3/8" (10) to louver depth.
- FINISH:** Mill. Optional finishes are available.
- MINIMUM SIZE:** 12" wide x 12" high (305 x 305).
- MAXIMUM SIZE:** 120" wide x 96" high (3048 x 2438). Larger sizes will be manufactured in sections with hidden architectural style rear mullions for assembly in the field.

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LOUVERS



**MODEL 1604SB
STANDARD
CHANNEL FRAME**

**MODEL 1604SB
WITH OPTIONAL
FLANGED FRAME**

STANDARD BLADE LOUVERS



PERFORMANCE DATA MODELS: 1602SB & 1604SB

FREE AREA in Square Feet and Square Meters

MODEL: 1602SB

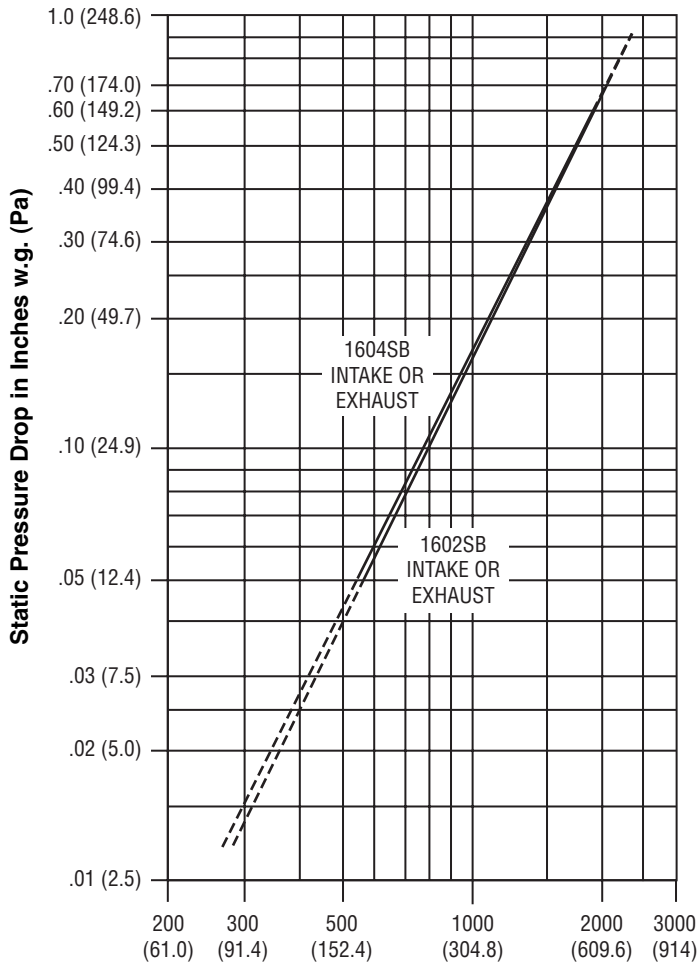
		Width in Inches and Meters									
		8	12	18	24	30	36	42	48	54	60
Height in Inches and Meters	8	0.12	0.19	0.30	0.41	0.53	0.64	0.75	0.86	0.97	1.08
	0.20	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10
	12	0.21	0.33	0.52	0.71	0.90	1.09	1.28	1.47	1.66	1.85
	0.30	0.02	0.03	0.04	0.06	0.08	0.10	0.11	0.13	0.15	0.17
	18	0.33	0.54	0.84	1.15	1.46	1.77	2.08	2.39	2.69	3.00
	0.46	0.03	0.05	0.07	0.10	0.13	0.16	0.19	0.22	0.25	0.27
	24	0.48	0.77	1.21	1.65	2.09	2.53	2.98	3.42	3.86	4.30
	0.61	0.04	0.07	0.11	0.15	0.19	0.23	0.27	0.31	0.35	0.40
	30	0.64	1.03	1.62	2.21	2.80	3.39	3.98	4.57	5.16	5.75
	0.76	0.06	0.09	0.15	0.20	0.26	0.31	0.37	0.42	0.47	0.53
	36	0.77	1.24	1.94	2.65	3.36	4.07	4.78	5.49	6.19	6.90
	0.86	0.07	0.11	0.18	0.24	0.31	0.37	0.44	0.51	0.57	0.64
	42	0.90	1.44	2.27	3.10	3.92	4.75	5.58	6.41	7.23	8.06
	1.07	0.08	0.13	0.21	0.28	0.36	0.44	0.51	0.59	0.67	0.74
	48	1.04	1.67	2.62	3.58	4.54	5.49	6.45	7.50	8.36	9.31
	1.22	0.10	0.15	0.24	0.33	0.42	0.51	0.59	0.70	0.77	0.86
	54	1.20	1.94	3.04	4.15	5.26	6.37	7.48	8.59	9.69	10.80
	1.37	0.11	0.18	0.28	0.38	0.48	0.59	0.69	0.79	0.90	1.00
	60	1.33	2.14	3.37	4.60	5.82	7.05	8.28	9.51	10.73	11.96
	1.52	0.12	0.20	0.31	0.42	0.54	0.65	0.77	0.88	0.99	1.11
66	1.46	2.35	3.70	5.04	6.39	7.73	9.08	10.43	11.77	13.12	
1.68	0.14	0.21	0.34	0.46	0.59	0.71	0.84	0.96	1.09	1.21	
72	1.59	2.57	4.04	5.51	6.98	8.45	9.92	11.39	12.86	14.33	
1.83	0.15	0.23	0.37	0.51	0.64	0.78	0.92	1.05	1.19	1.33	
78	1.76	2.84	4.47	6.10	7.72	9.35	10.98	12.61	14.23	15.86	
1.98	0.16	0.26	0.41	0.56	0.71	0.86	1.02	1.17	1.32	1.47	
84	1.89	3.05	4.80	6.54	8.29	10.03	11.78	13.53	15.27	17.02	
2.13	0.18	0.28	0.44	0.60	0.77	0.93	1.09	1.25	1.41	1.58	
90	2.02	3.26	5.12	6.99	8.85	10.72	12.58	14.45	16.31	18.18	
2.29	0.19	0.30	0.47	0.65	0.82	0.99	1.16	1.34	1.51	1.68	
96	2.15	3.47	5.45	7.44	9.42	11.41	13.39	15.37	17.36	19.34	
2.44	0.20	0.32	0.50	0.69	0.87	1.06	1.24	1.42	1.61	1.79	

MODEL: 1604SB

		Width in Inches and Meters										
		12	18	24	30	36	42	48	54	60	66	72
Height in Inches and Meters	12	0.25	0.39	0.54	0.69	0.84	0.99	1.14	1.29	1.44	1.59	1.74
	0.30	0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16
	18	0.52	0.83	1.14	1.46	1.77	2.09	2.40	2.71	3.03	3.34	3.65
	0.46	0.05	0.07	0.10	0.13	0.16	0.19	0.22	0.25	0.28	0.31	0.34
	24	0.80	1.28	1.77	2.25	2.73	3.22	3.70	4.19	4.67	5.15	5.64
	0.61	0.07	0.12	0.16	0.21	0.25	0.29	0.34	0.38	0.43	0.47	0.52
	30	1.04	1.67	2.30	2.93	3.56	4.19	4.82	5.45	6.08	6.71	7.34
	0.76	0.09	0.15	0.21	0.27	0.33	0.39	0.44	0.50	0.56	0.62	0.68
	36	1.33	2.13	2.93	3.73	4.53	5.33	6.13	6.93	7.73	8.53	9.33
	0.91	0.12	0.19	0.27	0.34	0.42	0.49	0.57	0.64	0.71	0.79	0.86
	42	1.58	2.52	3.47	4.42	5.37	6.32	7.27	8.22	9.16	10.11	11.06
	1.07	0.14	0.23	0.32	0.41	0.49	0.58	0.67	0.76	0.85	0.94	1.02
	48	1.85	2.97	4.09	5.20	6.32	7.43	8.62	9.66	10.78	11.89	13.01
	1.22	0.17	0.27	0.38	0.48	0.58	0.69	0.80	0.89	1.00	1.10	1.20
	54	2.11	3.38	4.64	5.91	7.18	8.44	9.71	10.98	12.25	13.51	14.78
	1.37	0.19	0.31	0.43	0.54	0.66	0.78	0.90	1.02	1.13	1.25	1.37
	60	2.38	3.81	5.25	6.68	8.11	9.54	10.97	12.41	13.84	15.27	16.70
	1.52	0.22	0.35	0.48	0.62	0.75	0.88	1.02	1.15	1.28	1.41	1.55
	66	2.67	4.27	5.87	7.47	9.08	10.68	12.28	13.88	15.48	17.09	18.69
	1.68	0.24	0.39	0.54	0.69	0.84	0.99	1.14	1.29	1.43	1.58	1.73
72	2.91	4.66	6.41	8.16	9.91	11.66	13.41	15.16	16.91	18.66	20.40	
1.83	0.27	0.43	0.59	0.75	0.92	1.08	1.24	1.40	1.57	1.73	1.89	
78	3.19	5.11	7.03	8.94	10.86	12.78	14.70	16.62	18.53	20.45	22.37	
1.98	0.29	0.47	0.65	0.83	1.01	1.18	1.36	1.54	1.72	1.90	2.07	
84	3.45	5.52	7.59	9.65	11.72	13.79	15.86	17.93	20.00	22.07	24.14	
2.13	0.32	0.51	0.70	0.89	1.09	1.28	1.47	1.66	1.85	2.05	2.24	
90	3.72	5.95	8.19	10.42	12.66	14.89	17.13	19.36	21.60	23.83	26.06	
2.29	0.34	0.55	0.76	0.96	1.17	1.38	1.59	1.79	2.00	2.21	2.42	
96	4.00	6.41	8.81	11.22	13.62	16.03	18.43	20.84	23.24	25.65	28.05	
2.44	0.37	0.59	0.81	1.04	1.26	1.48	1.71	1.93	2.16	2.38	2.60	

A
LOUVERS

PERFORMANCE DATA MODELS: 1602SB & 1604SB 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.



Nailor Industries certifies the Model 1604SB 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. Model 1602SB is not licensed to bear the AMCA seal.

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

Model	1602SB	1604SB
Free Area %	47%	54%
Free Area sq. ft. (sq. m.)	7.50 (0.70)	8.62 (0.80)
Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	527 fpm (161 m/min.)	768 fpm (234 m/min.)
Air Volume @ Free Area Velocity shown	3952 cfm (1865 l/s)	6620 cfm (3124 l/s)
Pressure Drop @ Free Area Velocity shown	.04 in. w.g. (10 Pa)	.10 in. w.g. (25 Pa)

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

SUGGESTED SPECIFICATION:**MODEL 1602SB**

Provide and install, as shown on plans and/or schedules, extruded aluminum louvers meeting or exceeding the following criteria: Frame shall be 2" (51) deep channel style (**or specifier to select:** flanged style) with integral caulking slots, constructed from type 6063-T5 extruded aluminum of .060" (1.5) nominal wall thickness. Blades shall be standard style (J style) constructed from type 6063-T5 extruded aluminum of .060" (1.5) nominal wall thickness, fixed at 30 degrees on approximately 2" (51) centers and shall be supported by angle reinforced concealed brackets as required to withstand wind loads of 25 pounds per square foot. Large louvers that require multiple sections for shipping shall be constructed with concealed vertical mullions for continuous blade appearance when installed together on site. Louvers shall be equipped with removable 1/2" x 1/2" x 19 ga. (13 x 13 x 1.0) galvanized bird screen. Finish shall be standard mill (**or specifier to select:** Polyester baked enamel; color to be selected from Nailor standard color chart **or** Kynar 500/Hylar 5000 70% PVDF coating; color to be selected from Nailor standard color chart **or** 204-R1 clear anodized to a min. depth of 0.4 mil **or** 215-R1 clear anodized to a min. depth of 0.7 mil **or** color anodized; color to be selected from standard Nailor anodizing colors). Submitted performance data to be based on tests in accordance with AMCA Standard 500-L. Free area, water penetration and pressure drop data submitted shall be equal to or better than specified model. Standard of acceptance: Nailor Industries Model 1602SB.

SUGGESTED SPECIFICATION:**MODEL 1604SB**

Provide and install, as shown on plans and/or schedules, extruded aluminum louvers meeting or exceeding the following criteria: Frame shall be 4" (102) deep channel style (**or specifier to select:** flanged style) with a drainable head frame and integral caulking slots, and shall be constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness. Blades shall be standard style (J style) constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness, fixed at 37 degrees on approximately 4" (102) centers and shall be supported by angle reinforced concealed brackets as required to withstand wind loads of 25 pounds per square foot. Large louvers that require multiple sections for shipping shall be constructed with concealed vertical mullions for continuous blade appearance when installed together on site. Louvers shall be equipped with removable 1/2" x 1/2" x 19 ga. (13 x 13 x 1.0) galvanized bird screen. Finish shall be standard mill (**or specifier to select:** Polyester baked enamel; color to be selected from Nailor standard color chart **or** Kynar 500/Hylar 5000 70% PVDF coating; color to be selected from Nailor standard color chart **or** 204-R1 clear anodized to a min. depth of 0.4 mil **or** 215-R1 clear anodized to a min. depth of 0.7 mil **or** color anodized; color to be selected from standard Nailor anodizing colors). Performance data must be licensed by AMCA under the AMCA Certified Ratings Program and shall bear the AMCA Certified Ratings seal for water penetration and air performance. Free area, water penetration and pressure drop data submitted shall be equal to or better than specified model. Standard of acceptance: Nailor Industries Model 1604SB.