

- **STORM RESISTANT BLADE STYLE**
- **DRAINABLE HEAD ON 4" (102) & 6" (152) MODELS**
- **EXTRUDED ALUMINUM**



**A**

**MODELS:**

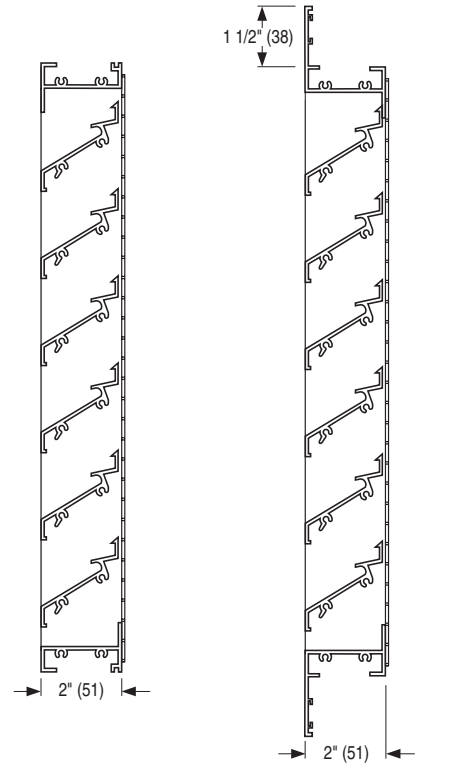
- 1602SR      2" (51) DEEP**
- 1604SR      4" (102) DEEP**
- 1606SR      6" (152) DEEP**

**MODEL 1602SR**

Model 1602SR, Storm Resistant 2" (51) deep louver, combines excellent weather protection and performance with aesthetics that compliment any architectural design. 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 storm resistant K-style blade design features a rear water baffle plus an additional rain hook, providing excellent protection against more forbidding weather conditions. Blades are reinforced with full length integral bosses for superior strength and the design exhibits excellent pressure drop characteristics through it's high free area. Model 1602SR is available with channel or flanged type frame to suit most architectural and mechanical installation requirements.

**LOUVERS**

<b>MODEL 1602SR STANDARD CONSTRUCTION:</b>	
<b>FRAME:</b>	2" (51) deep, Type 6063-T5 extruded aluminum, .060" (1.5) nominal wall thickness. Integral caulking slot provided
<b>BLADES:</b>	Type 6063-T5 extruded aluminum, .060" (1.5) nominal wall thickness, with reinforcing bosses.
<b>BLADE ANGLE:</b>	Fixed at 30 degrees.
<b>BLADE SPACING:</b>	Approx. 2" (51) on centers.
<b>BLADE SUPPORT BRACKETS:</b>	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).
<b>MULLIONS:</b>	Concealed architectural type.
<b>SCREEN:</b>	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.
<b>FINISH:</b>	Mill. Optional finishes are available.
<b>MINIMUM SIZE:</b>	8" wide x 8" high (203 x 203).
<b>MAXIMUM SIZE:</b>	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.



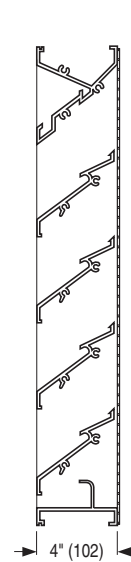
**MODEL 1602SR STANDARD CHANNEL FRAME**      **MODEL 1602SR WITH OPTIONAL FLANGED FRAME**

## MODEL 1604SR

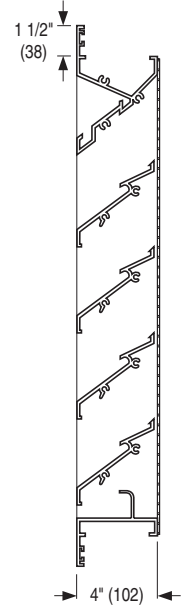
Model 1604SR, Storm Resistant 4" (102) deep louver, combines excellent weather protection and performance with aesthetics that compliment any architectural design. The design features a drainable head that collects the water running down the building face and channels it out the concealed downspouts 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 storm resistant K-style blade design features a rear water baffle plus an additional center rain hook, providing excellent protection against more forbidding weather conditions.

### MODEL 1604SR 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.



**MODEL 1604SR  
STANDARD  
CHANNEL FRAME**



**MODEL 1604SR  
WITH OPTIONAL  
FLANGED FRAME**

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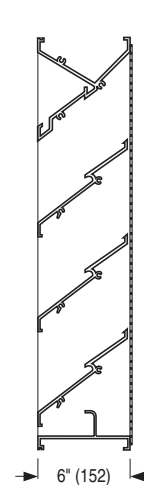
**LOUVERS**

## MODEL 1606SR

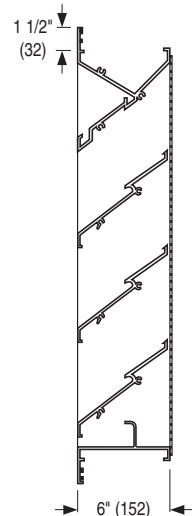
Model 1606SR, Storm Resistant 6" (152) deep louver, combines excellent weather protection and performance with aesthetics that compliment any architectural design. Standard construction features a drainable head that collects the water running down the building face and channels it out the concealed downspouts in the side frame, thus preventing it from flowing down into the airstream. Suitable for use in exhaust and low to medium velocity intake applications, the storm resistant K-style blade design features a rear water baffle plus an additional center rain hook, providing excellent protection against foul weather conditions.

### MODEL 1606SR STANDARD CONSTRUCTION:

- FRAME:** 6" (152) 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. 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 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 16" high (305 x 406).
- 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 1606SR  
STANDARD  
CHANNEL FRAME**



**MODEL 1606SR  
WITH OPTIONAL  
FLANGED FRAME**

# STORM RESISTANT LOUVERS



## PERFORMANCE DATA MODELS: 1602SR, 1604SR & 1606SR

FREE AREA in Square Feet and Square Meters

MODEL: 1602SR

MODEL: 1606SR

**A**  
**LOUVERS**

		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	0.34	0.54	0.85	1.16	1.48	1.79	2.10	2.41	2.72	3.04
	0.46	0.03	0.05	0.08	0.10	0.13	0.16	0.19	0.22	0.25	0.28
	24	0.49	0.79	1.24	1.69	2.14	2.59	3.05	3.50	3.95	4.40
	0.61	0.05	0.07	0.11	0.15	0.19	0.24	0.28	0.32	0.36	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
	0.91	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	1.05	1.69	2.65	3.62	4.59	5.55	6.52	7.55	8.45	9.42
	1.22	0.10	0.15	0.24	0.33	0.42	0.51	0.60	0.70	0.78	0.87
	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	1.60	2.59	4.07	5.55	7.03	8.51	9.99	11.47	12.95	14.43	
1.83	0.15	0.24	0.37	0.51	0.65	0.79	0.92	1.06	1.20	1.34	
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	2.16	3.49	5.48	7.48	9.47	11.47	13.46	15.45	17.45	19.44	
2.44	0.20	0.32	0.51	0.69	0.88	1.06	1.25	1.43	1.62	1.80	

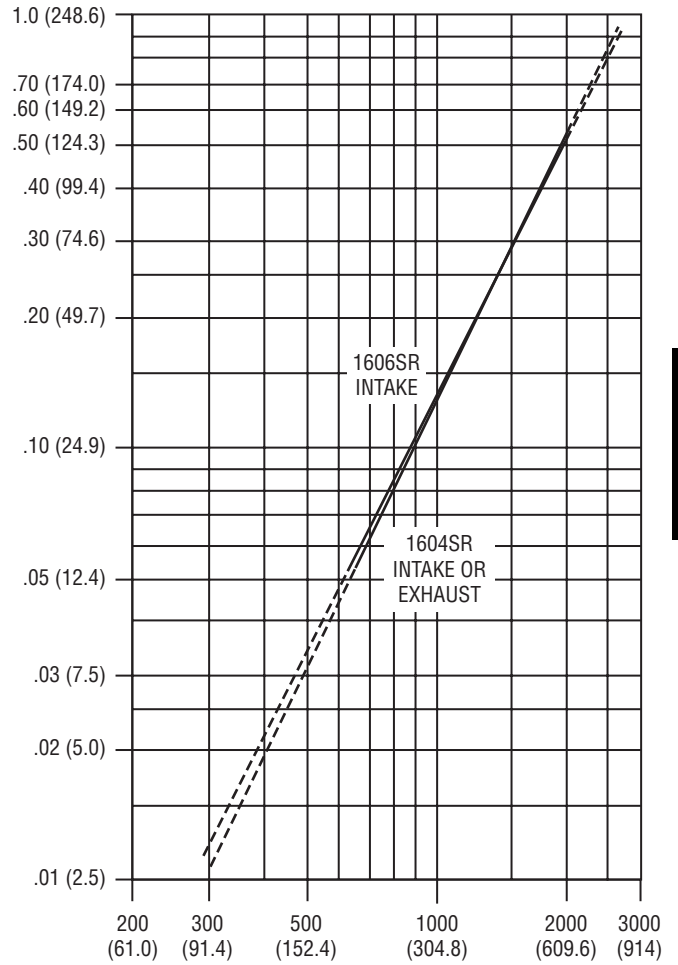
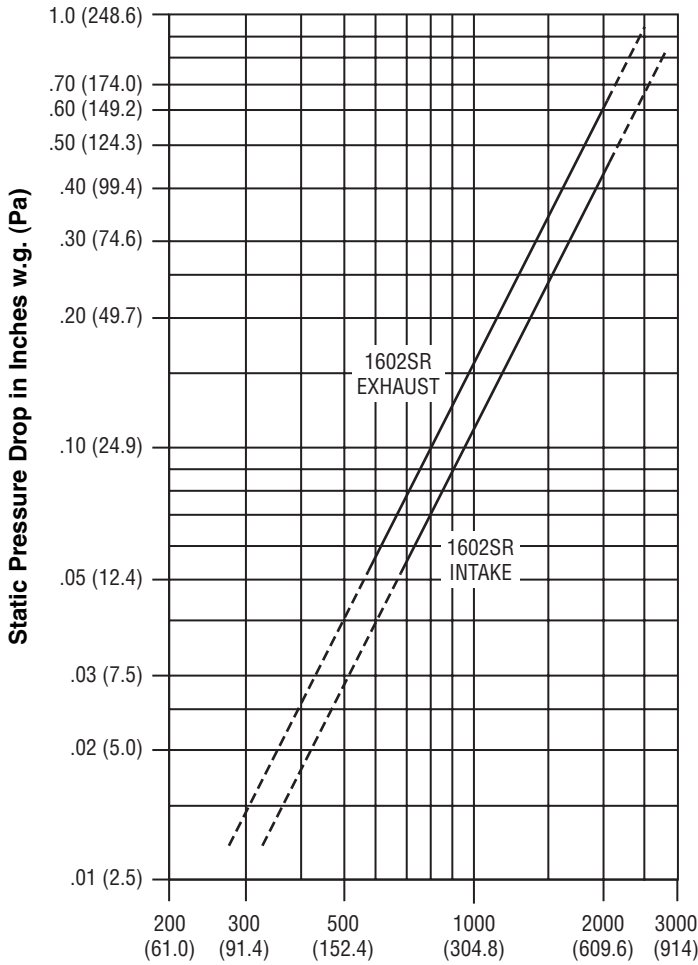
		Width in Inches and Meters										
		12	18	24	30	36	42	48	54	60	66	72
Height in Inches and Meters	16	0.35	0.55	0.76	0.96	1.17	1.38	1.58	1.79	2.00	2.20	2.41
	0.41	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.22
	18	0.43	0.69	0.95	1.21	1.47	1.73	1.99	2.25	2.51	2.78	3.04
	0.46	0.04	0.06	0.08	0.11	0.13	0.16	0.18	0.21	0.23	0.25	0.28
	24	0.69	1.10	1.52	1.93	2.35	2.76	3.18	3.60	4.01	4.43	4.84
	0.61	0.06	0.10	0.14	0.18	0.21	0.25	0.29	0.33	0.37	0.41	0.45
	30	0.95	1.52	2.09	2.66	3.23	3.80	4.37	4.94	5.51	6.08	6.65
	0.76	0.08	0.14	0.19	0.24	0.30	0.35	0.40	0.45	0.51	0.56	0.61
	36	1.20	1.93	2.66	3.38	4.11	4.83	5.56	6.28	7.01	7.73	8.46
	0.91	0.11	0.18	0.24	0.31	0.38	0.44	0.51	0.58	0.65	0.71	0.78
	42	1.47	2.36	3.24	4.13	5.01	5.90	6.79	7.67	8.56	9.44	10.33
	1.07	0.13	0.21	0.30	0.38	0.46	0.54	0.63	0.71	0.79	0.87	0.96
	48	1.73	2.77	3.81	4.85	5.89	6.93	8.07	9.01	10.05	11.09	12.13
	1.22	0.16	0.25	0.35	0.45	0.54	0.64	0.75	0.83	0.93	1.03	1.12
	54	1.99	3.18	4.38	5.57	6.76	7.96	9.15	10.35	11.54	12.74	13.93
	1.37	0.18	0.29	0.40	0.51	0.62	0.74	0.85	0.96	1.07	1.18	1.29
	60	2.24	3.59	4.93	6.28	7.62	8.97	10.32	11.66	13.01	14.36	15.70
	1.52	0.20	0.33	0.45	0.58	0.70	0.83	0.95	1.08	1.20	1.33	1.45
	66	2.50	4.00	5.51	7.01	8.51	10.02	11.52	13.02	14.53	16.03	17.53
	1.68	0.23	0.37	0.51	0.65	0.79	0.93	1.07	1.21	1.35	1.49	1.62
72	2.76	4.42	6.07	7.73	9.39	11.05	12.70	14.36	16.02	17.68	19.33	
1.83	0.25	0.41	0.56	0.71	0.87	1.02	1.18	1.33	1.48	1.64	1.79	
78	3.02	4.83	6.64	8.45	10.26	12.07	13.89	15.70	17.51	19.32	21.13	
1.98	0.28	0.44	0.61	0.78	0.95	1.12	1.29	1.45	1.62	1.79	1.96	
84	3.27	5.24	7.20	9.17	11.13	13.10	15.07	17.03	19.00	20.96	22.93	
2.13	0.30	0.48	0.67	0.85	1.03	1.21	1.40	1.58	1.76	1.94	2.13	
90	3.53	5.65	7.77	9.89	12.01	14.13	16.25	18.37	20.49	22.61	24.73	
2.29	0.32	0.52	0.72	0.91	1.11	1.31	1.51	1.70	1.90	2.10	2.29	
96	3.78	6.06	8.33	10.61	12.88	15.15	17.43	19.70	21.97	24.25	26.52	
2.44	0.35	0.56	0.77	0.98	1.19	1.40	1.61	1.83	2.04	2.25	2.46	

MODEL: 1604SR

		Width in Inches and Meters										
		12	18	24	30	36	42	48	54	60	66	72
Height in Inches and Meters	12	0.22	0.35	0.49	0.62	0.75	0.89	1.02	1.16	1.29	1.42	1.56
	0.30	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.12	0.13	0.14
	18	0.47	0.75	1.03	1.31	1.60	1.88	2.16	2.44	2.73	3.01	3.29
	0.46	0.04	0.07	0.09	0.12	0.14	0.17	0.20	0.22	0.25	0.28	0.30
	24	0.72	1.16	1.60	2.04	2.47	2.91	3.35	3.78	4.22	4.66	5.10
	0.61	0.06	0.10	0.14	0.19	0.23	0.27	0.31	0.35	0.39	0.43	0.47
	30	0.92	1.47	2.02	2.57	3.13	3.68	4.23	4.78	5.34	5.89	6.44
	0.76	0.08	0.13	0.18	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59
	36	1.17	1.88	2.59	3.30	4.00	4.71	5.42	6.13	6.83	7.54	8.25
	0.91	0.11	0.17	0.24	0.30	0.37	0.43	0.50	0.56	0.63	0.70	0.76
	42	1.37	2.20	3.02	3.85	4.67	5.50	6.32	7.15	7.97	8.80	9.62
	1.07	0.12	0.20	0.28	0.35	0.43	0.51	0.58	0.66	0.74	0.81	0.89
	48	1.62	2.60	3.58	4.55	5.53	6.51	7.22	8.46	9.44	10.41	11.39
	1.22	0.15	0.24	0.33	0.42	0.51	0.60	0.67	0.78	0.87	0.96	1.05
	54	1.83	2.92	4.02	5.12	6.22	7.31	8.41	9.51	10.61	11.70	12.80
	1.37	0.17	0.27	0.37	0.47	0.57	0.68	0.78	0.88	0.98	1.08	1.19
	60	2.07	3.32	4.57	5.81	7.06	8.31	9.56	10.80	12.05	13.30	14.54
	1.52	0.19	0.30	0.42	0.54	0.65	0.77	0.88	1.00	1.12	1.23	1.35
	66	2.33	3.73	5.14	6.54	7.94	9.34	10.74	12.15	13.55	14.95	16.35
	1.68	0.21	0.34	0.47	0.60	0.73	0.86	0.99	1.12	1.25	1.38	1.51
72	2.53	4.04	5.56	7.08	8.60	10.12	11.63	13.15	14.67	16.19	17.71	
1.83	0.23	0.37	0.51	0.65	0.79	0.94	1.08	1.22	1.36	1.50	1.64	
78	2.78	4.45	6.12	7.79	9.46	11.14	12.81	14.48	16.15	17.82	19.49	
1.98	0.25	0.41	0.56	0.72	0.88	1.03	1.19	1.34	1.50	1.65	1.81	
84	2.98	4.78	6.57	8.36	10.15	11.94	13.74	15.53	17.32	19.11	20.91	
2.13	0.27	0.44	0.61	0.77	0.94	1.11	1.27	1.44	1.61	1.77	1.94	
90	3.23	5.17	7.11	9.06	11.00	12.94	14.88	16.82	18.76	20.71	22.65	
2.29	0.30	0.48	0.66	0.84	1.02	1.20	1.38	1.56	1.74	1.92	2.10	
96	3.49	5.59	7.68	9.78	11.88	13.97	16.07	18.17	20.26	22.36	24.46	
2.44	0.32	0.51	0.71	0.90	1.10	1.29	1.49	1.68	1.88	2.07	2.27	

## PERFORMANCE DATA MODELS: 1602SR, 1604SR & 1606SR

### 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/ft<sup>3</sup>.

### AIRFLOW/WATER PENETRATION DATA

for 48" x 48" (1219 x 1219) Louver Size

Model	1602SR	1604SR	1606SR	
Free Area %	47%	46%	51%	
Free Area sq. ft. (sq. m.)	7.55 (0.70)	7.22 (0.67)	8.07 (.75)	
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)	401 fpm (122 m/min.)	759 fpm (231 m/min.)	876 fpm (267 m/min.)
	Air Volume @ Free Area Velocity shown	3028 cfm (1429 l/s)	5840 cfm (2586 l/s)	7069 cfm (3336 l/s)
	Pressure Drop @ Free Area Velocity shown	.02 in. w.g. (5 Pa)	.07 in. w.g. (17 Pa)	.10 in. w.g. (25 Pa)



Nailor Industries certifies the Models 1604SR and 1606SR shown herein are 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.

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

Model 1602SR is not licensed to bear the AMCA seal.

**A**  
**LOUVERS**

**SUGGESTED SPECIFICATION:**

**MODEL 1602SR**

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 storm resistant style (K 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 1602SR.

**SUGGESTED SPECIFICATION:**

**MODEL 1604SR**

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 storm resistant style (K 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 1604SR.

**SUGGESTED SPECIFICATION:**

**MODEL 1606SR**

Provide and install, as shown on plans and/or schedules, extruded aluminum louvers meeting or exceeding the following criteria: Frame shall be 6" (152) 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 storm resistant style (K style) constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness, fixed at 37 degrees on approximately 6" (152) 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 1606SR.