

TOP RIBS

4" (102)

70 (174.0)

60 (149.2)

50 (124.3)

40 (99.4)

30 (74.6)

20 (49.7)

10 (24.9)

05 (12.4)

03 (7.5)

02 (5.0)

01 (2.5)

200  
(51.0)



**Nailor**  
*Industries Inc.*

**LOUVERS**

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**A**

**LOUVERS**

## GENERAL PRODUCT OVERVIEW

At Nailor Industries, we've been manufacturing premium quality air control products for over thirty years. We've learned a lot since producing our first device and have incorporated that knowledge into the latest designs and production techniques that are offered today. Designed and engineered to meet the most demanding specifications, **Nailor's New 1600 Series Louvers** combine architecturally enhancing aesthetics with excellent performance characteristics. So go ahead and take advantage of our experience and dedication to quality engineering and customer satisfaction.

### Features & Benefits of Nailor Louvers:

- Nailor offers a wide variety of blade styles to meet mechanical system requirements and architectural design criteria.
- Extruded aluminum blades and frames for high durability and quality fit and finish.
- Reinforcing bosses run the full length of each blade for superior strength.
- Stainless Steel 'High-Grip' fasteners: All Nailor louvers are precision assembled using stainless steel concealed fasteners. Optional fully welded construction available.
- Low pressure drop characteristics require less fan energy and contribute to efficient system operation.
- Drainable Head is standard on many models for maximum protection against water running down the building face.
- Integral caulking slots on all frames to help ensure a tight and tidy installation.
- Vast selection of finishes and colors.

### AMCA International Member

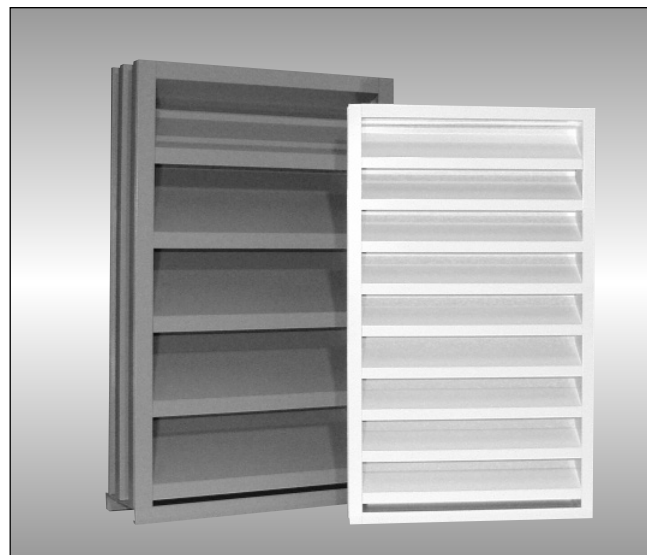
Nailor Industries is an active member of the Air Movement and Control Association International (AMCA) which provides standardized test criteria for air control devices. In addition, AMCA also offers a Certified Ratings Program which provides assurance that cataloged performance ratings are reliable and accurate. Only products whose ratings are based on tests performed in accordance with AMCA recognized test methods at the AMCA Testing Laboratory or an AMCA Accredited Laboratory, and adhere to the Certified Ratings Program criteria, can be licensed to use the Certified Ratings Seal.

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LOUVERS

### STANDARD BLADE LOUVERS

Nailor Models 1602SB and 1604SB Standard Blade type louvers feature an architecturally appealing straight blade design (sometimes referred to as a J-style blade) with smooth, clean lines that visually compliment any structure's exterior styling. Available in channel or optional flanged type, the 2" (51) or 4" (102) deep frame installs easily in most common wall configurations. Suitable for use in exhaust and low to medium velocity intake applications, the blade design features a rear water baffle and provides reasonable protection against general weather conditions. The models exhibit low pressure drop characteristics and a high free area. Reinforcing bosses run the full length of each blade for superior strength. Nailor Standard Blade type louvers are engineered to be architecturally appealing as well as mechanically enduring.



## GENERAL PRODUCT OVERVIEW

### STORM RESISTANT LOUVERS

Nailor Models 1602SR, 1604SR and 1606SR Storm Resistant louvers combine excellent weather protection and performance with aesthetics that compliment any architecture. Available in channel or optional flanged type, the 2" (51), 4" (102) or 6" (152) deep frame installs easily in most common wall configurations. Models 1604SR and 1606SR feature a drainable head design that collects and channels away the water running down the building face, thus preventing it from entering the airstream. Suitable for use in exhaust and low to medium velocity intake applications, the blade design (sometimes referred to as a K-style blade) features a rear water baffle plus an additional center rain hook, providing excellent protection against foul weather conditions. Blades are reinforced with full length integral bosses for superior strength and are engineered to provide minimal resistance at higher airflows. Nailor Storm Resistant louvers are designed to endure as well as provide solid weather protection.



### DUAL DRAINABLE BLADE LOUVERS

Nailor Models 1604DD and 1606DD Dual Drainable blade louvers combine maximum weather protection at higher airflow rates with good air performance and pleasing aesthetics that compliment any structure's exterior styling. Available in channel or optional flanged type, the 4" (102) or 6" (152) deep frame installs easily in most common wall configurations. Standard construction features a drainable head design that collects and channels away the water running down the building face, thus preventing it from entering the airstream. Suitable for use in exhaust and medium to higher 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 are engineered to provide excellent air performance throughout the full airflow range.



## SELECTION & SIZING

### APPLICATION GUIDE

Selection of a louver for a specific application is determined by many variables including aesthetic requirements, wall type/depth, pressure loss criteria and water penetration criteria. After determining the relative importance of each variable, a louver style and model can be selected by comparing individual design details and performance data, all included within this catalog.

Use the following Application Guide to assist in determining the appropriate louver type for your application:

| LOUVER TYPE                     | APPLICATION                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Blade (J-style)        | Clean aesthetics • Reasonable weather protection • Suitable for Continuous Blade construction • For exhaust and low to medium velocity intake applications                   |
| Storm Resistant Blade (K-style) | Good weather protection • Suitable for Continuous Blade construction • For exhaust and low to medium velocity intake applications                                            |
| Dual Drainable Blade            | Excellent weather protection • For exhaust and medium to high velocity intake applications • Continuous Blade construction not recommended due to watershedding requirements |

### HOW TO SIZE LOUVERS

The prime factor involved in sizing a louver is the velocity of the air through it's free area. The free area is the actual unobstructed area of a louver through which air can travel. Other factors such as pressure drop and amount of water penetration are dependent upon the free area velocity and can be determined by using the respective performance charts provided for each specific louver model.

#### 1. SELECT MODEL:

Choose the louver model that is best suited for the specific application. Use the Application Guide and 'Quick-Select' Model Guide to assist in making a selection, if so desired.

#### 2. SELECT FREE AREA VELOCITY:

Select optimum free area velocity for the specific application checking Pressure Drop and Water Penetration charts for acceptable performance. For 'exhaust only' applications, water penetration data generally does not need to be considered. For extra weather protection, select a free air velocity that is below the beginning point of water penetration.

#### 3. DETERMINE REQUIRED LOUVER FREE AREA:

Divide given AIRFLOW (cfm) by the selected FREE AREA VELOCITY (fpm) to determine the required louver free area. Using the Free Area Chart for the specific louver model chosen, select a louver size that provides the required Free Area. If, in the application, the louver size is given, the maximum practical airflow can be determined by working backwards from the free area chart.

### SIZING EXAMPLES:

#### Example A:

##### AIRFLOW GIVEN; DETERMINE LOUVER SIZE

- Determine required louver free area by dividing AIRFLOW by acceptable FREE AREA VELOCITY (Use performance charts to assist in selecting Free Area Velocity):  
 $\text{_____ cfm} \div \text{_____ fpm} = \text{_____ sq. ft. Free Area.}$
- Using the Free Area Chart for chosen model, select a louver size with at least the required free area:  
 $\text{_____ wide} \times \text{_____ high} = \text{_____ sq. ft. Free Area.}$

#### Example B:

##### LOUVER SIZE GIVEN; DETERMINE MAX. AIRFLOW

- Given louver size \_\_\_\_\_ W x \_\_\_\_\_ H. Use the Free Area Chart for chosen model to determine free area.
- Multiply FREE AREA x acceptable FREE AREA VELOCITY to determine maximum airflow:  
 $\text{_____ sq. ft.} \times \text{_____ fpm} = \text{_____ cfm max. airflow.}$
- Using the Pressure Drop Chart for chosen model, check the pressure drop at the determined airflow rate and resulting free area velocity.

## 'QUICK-SELECT' MODEL GUIDE

Data shown is for 48" x 48" (1219 x 1219) louver size.

| MODEL  | FREE AREA % | FREE AREA ft.2 (m2) | MAX. RECOMMENDED FREE AREA INTAKE VELOCITY | MAX. RECOMMENDED AIRFLOW THROUGH FREE AREA | PRESSURE DROP @ MAX. RECOMMENDED AIRFLOW |
|--------|-------------|---------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|
| 1602SB | 47%         | 7.50 (0.70)         | 527 fpm (2.68 m/s)                         | 3952 cfm (1865 l/s)                        | 0.04 in. w.g. (10 Pa)                    |
| 1604SB | 54%         | 8.62 (0.80)         | 768 fpm (3.98 m/s)                         | 6620 cfm (3124 l/s)                        | 0.10 in. w.g. (25 Pa)                    |
| 1602SR | 47%         | 7.55 (0.70)         | 401 fpm (2.04 m/s)                         | 3028 cfm (1429 l/s)                        | 0.02 in. w.g. (5 Pa)                     |
| 1604SR | 46%         | 7.22 (0.67)         | 759 fpm (3.85 m/s)                         | 5480 cfm (2586 l/s)                        | 0.07 in. w.g. (17 Pa)                    |
| 1606SR | 51%         | 8.07 (0.75)         | 876 fpm (4.45 m/s)                         | 7069 cfm (3336 l/s)                        | 0.10 in. w.g. (25 Pa)                    |
| 1604DD | 50%         | 7.97 (0.74)         | 978 fpm (4.97 m/s)                         | 7795 cfm (3678 l/s)                        | 0.14 in. w.g. (35 Pa)                    |
| 1606DD | 49%         | 7.74 (0.72)         | 1164 fpm (5.91 m/s)                        | 9009 cfm (4251 l/s)                        | 0.17 in. w.g. (42 Pa)                    |

### Note:

MAXIMUM RECOMMENDED FREE AREA VELOCITY and MAXIMUM RECOMMENDED AIRFLOW THROUGH FREE AREA are determined by point of water penetration at .01 oz./ft.<sup>2</sup> (3 ml/m<sup>2</sup>).

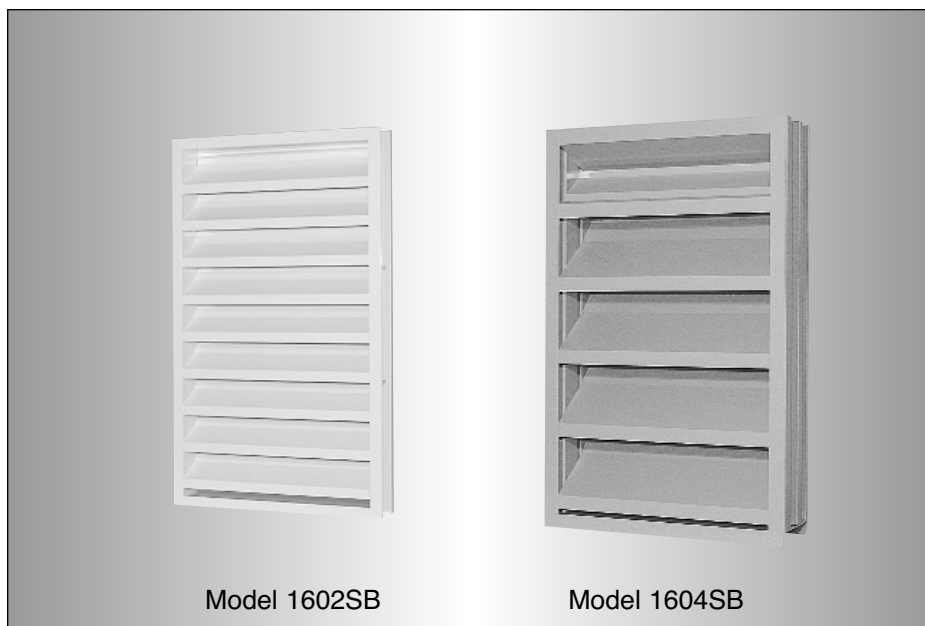
To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is below the point of beginning water penetration.

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

## MODELS:

**1602SB**      2" (51) DEEP

**1604SB**      4" (102) DEEP



Model 1602SB

Model 1604SB

**A**

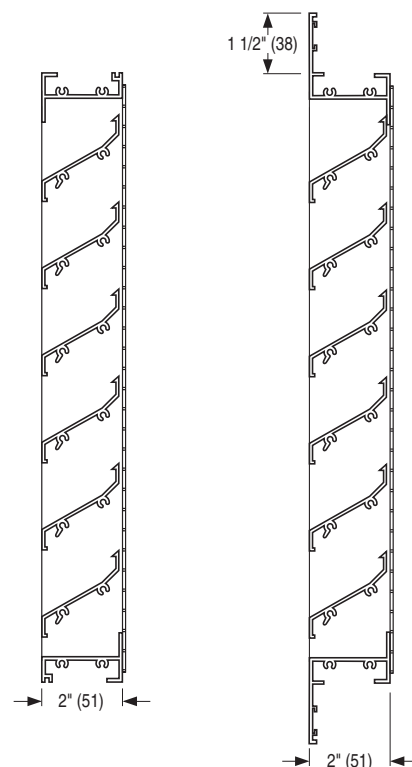
## MODEL 1602SB

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:

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 1602SB  
STANDARD  
CHANNEL FRAME**

**MODEL 1602SB  
WITH OPTIONAL  
FLANGED FRAME**

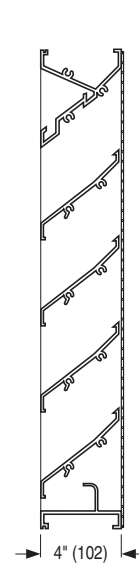


## MODEL 1604SB

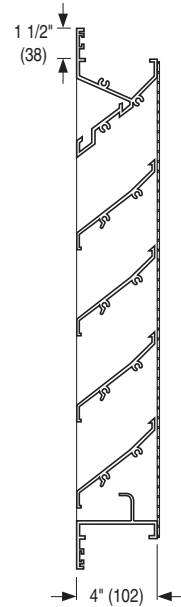
Model 1604SB, Standard Blade type, is an architecturally styled 4" (102) deep louver designed with smooth, clean lines that visually compliment any structure's exterior styling. Available in channel or flanged type, the 4" (102) deep frame installs easily in most common wall configurations. The drainable 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:

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRAME:</b>                  | 4" (102) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral caulking slot provided.                                                       |
| <b>BLADES:</b>                 | Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.                                                                              |
| <b>BLADE ANGLE:</b>            | Fixed at 37 degrees.                                                                                                                                                       |
| <b>BLADE SPACING:</b>          | Approx. 4" (102) 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>           | 12" wide x 12" high (305 x 305).                                                                                                                                           |
| <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 1604SB  
STANDARD  
CHANNEL FRAME**



**MODEL 1604SB  
WITH OPTIONAL  
FLANGED FRAME**



## PERFORMANCE DATA MODELS: 1602SB & 1604SB

FREE AREA in Square Feet and Square Meters

MODEL: 1602SB

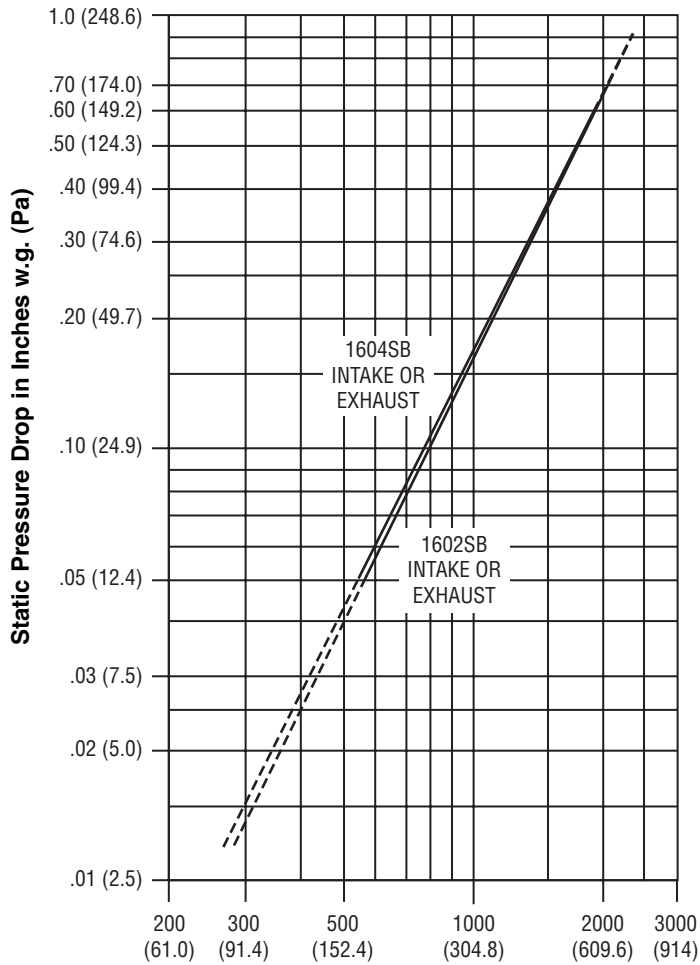
|                             |      | Width in Inches and Meters |      |      |      |      |       |       |       |       |       |
|-----------------------------|------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|
|                             |      | 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  |
|                             | 0.36 | 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  |

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



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)          |
| I<br>N<br>T<br>A<br>K<br>E | 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.

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

## MODELS:

|               |                      |
|---------------|----------------------|
| <b>1602SR</b> | <b>2" (51) DEEP</b>  |
| <b>1604SR</b> | <b>4" (102) DEEP</b> |
| <b>1606SR</b> | <b>6" (152) DEEP</b> |



Model 1602SR

Model 1604SR

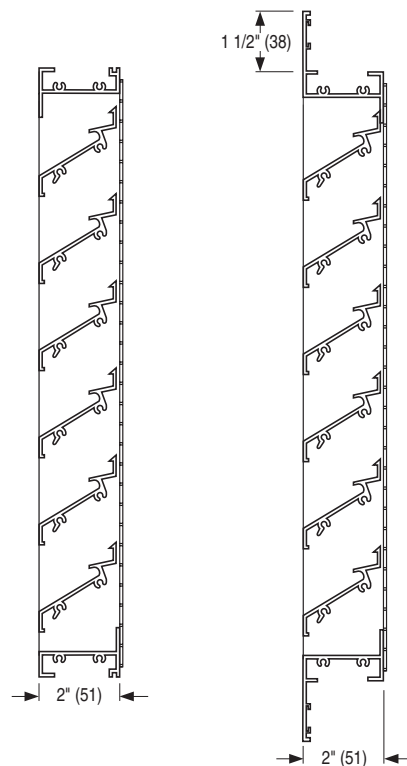
Model 1606SR

## 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.

### MODEL 1602SR STANDARD CONSTRUCTION:

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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**

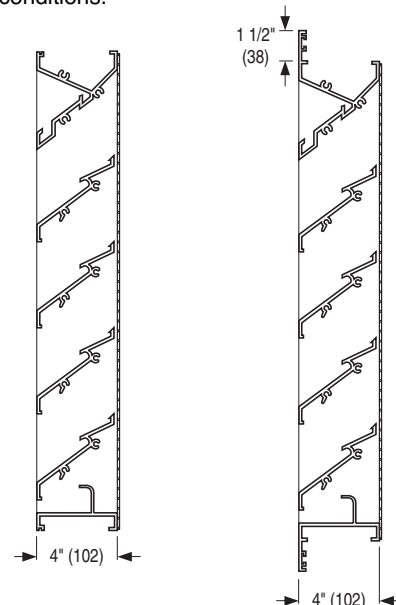
**MODEL 1602SR  
WITH OPTIONAL  
FLANGED FRAME**

## 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:

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRAME:</b>                  | 4" (102) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral caulking slot provided.                                                       |
| <b>BLADES:</b>                 | Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.                                                                              |
| <b>BLADE ANGLE:</b>            | Fixed at 37 degrees.                                                                                                                                                       |
| <b>BLADE SPACING:</b>          | Approx. 4" (102) 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>           | 12" wide x 12" high (305 x 305).                                                                                                                                           |
| <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 1604SR  
STANDARD  
CHANNEL FRAME**

**MODEL 1604SR  
WITH OPTIONAL  
FLANGED FRAME**

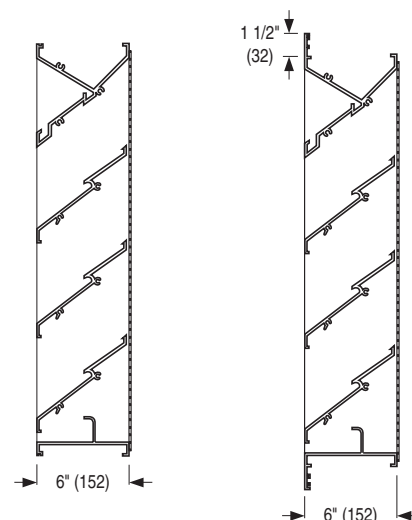
**A**  
**LOUVERS**

## 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:

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRAME:</b>                  | 6" (152) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral caulking slot provided.                                                       |
| <b>BLADES:</b>                 | Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.                                                                              |
| <b>BLADE ANGLE:</b>            | Fixed at 37 degrees.                                                                                                                                                       |
| <b>BLADE SPACING:</b>          | Approx. 6" (152) 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>           | 12" wide x 16" high (305 x 406).                                                                                                                                           |
| <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 1606SR  
STANDARD  
CHANNEL FRAME**

**MODEL 1606SR  
WITH OPTIONAL  
FLANGED FRAME**

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

FREE AREA in Square Feet and Square Meters

MODEL: 1602SR

MODEL: 1606SR

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  |

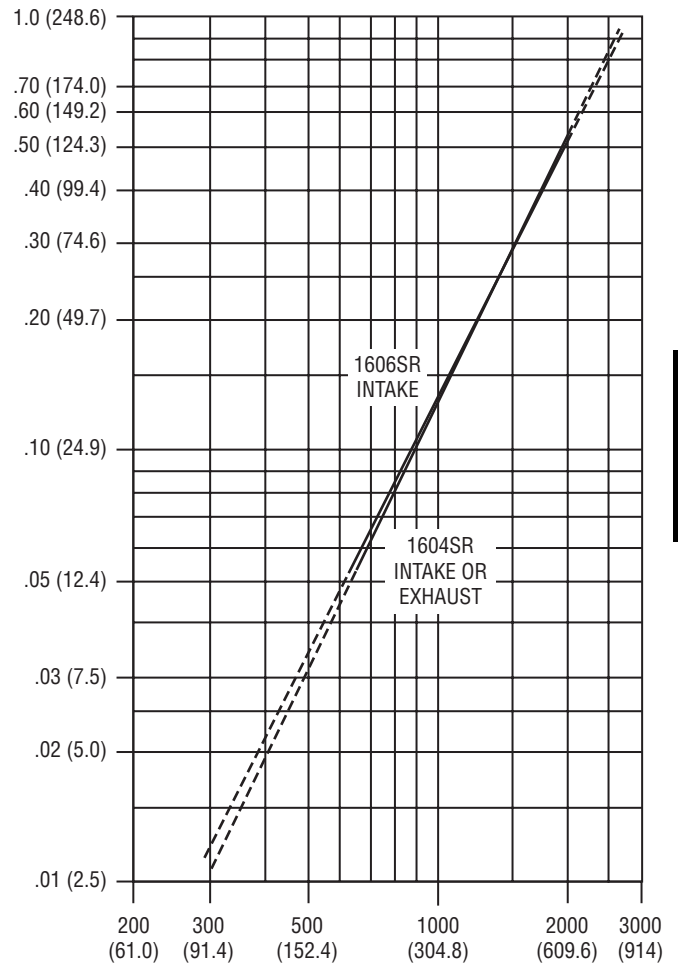
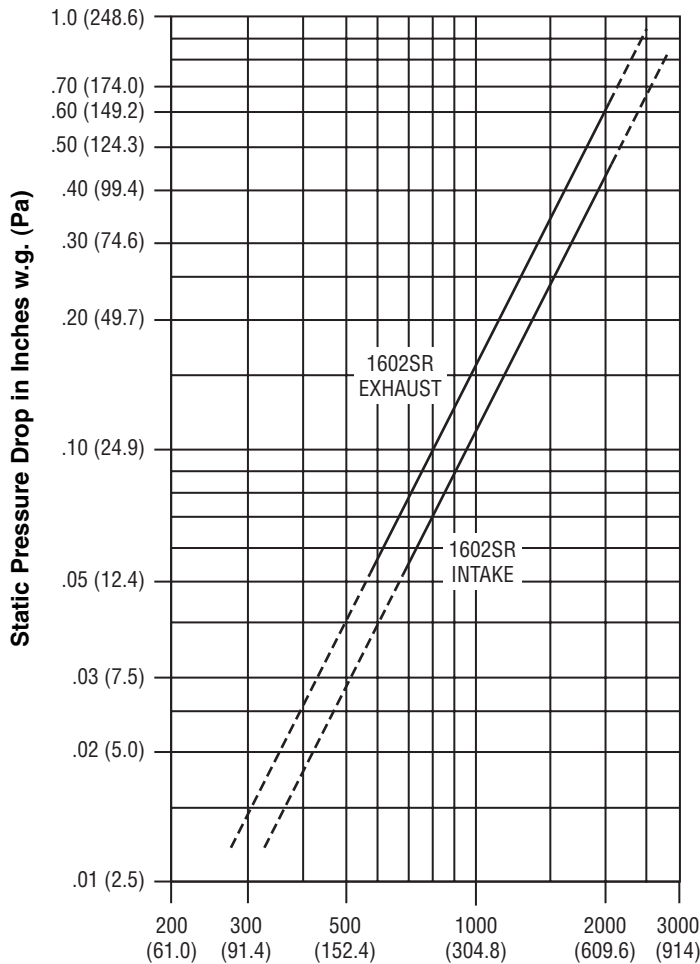
|                             |            | Width in Inches and Meters |              |              |               |               |               |               |               |               |               |               |  |
|-----------------------------|------------|----------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
|                             |            | 12<br>0.30                 | 18<br>0.46   | 24<br>0.61   | 30<br>0.76    | 36<br>0.91    | 42<br>1.07    | 48<br>1.22    | 54<br>1.37    | 60<br>1.52    | 66<br>1.68    | 72<br>1.83    |  |
| Height in Inches and Meters | 16<br>0.41 | 0.35<br>0.03               | 0.55<br>0.05 | 0.76<br>0.07 | 0.96<br>0.09  | 1.17<br>0.11  | 1.38<br>0.13  | 1.58<br>0.15  | 1.79<br>0.17  | 2.00<br>0.19  | 2.20<br>0.21  | 2.41<br>0.22  |  |
|                             | 18<br>0.46 | 0.43<br>0.04               | 0.69<br>0.06 | 0.95<br>0.08 | 1.21<br>0.11  | 1.47<br>0.13  | 1.73<br>0.16  | 1.99<br>0.18  | 2.25<br>0.21  | 2.51<br>0.23  | 2.78<br>0.25  | 3.04<br>0.28  |  |
|                             | 24<br>0.61 | 0.69<br>0.06               | 1.10<br>0.10 | 1.52<br>0.14 | 1.93<br>0.18  | 2.35<br>0.21  | 2.76<br>0.25  | 3.18<br>0.29  | 3.60<br>0.33  | 4.01<br>0.37  | 4.43<br>0.41  | 4.84<br>0.45  |  |
|                             | 30<br>0.76 | 0.95<br>0.08               | 1.52<br>0.14 | 2.09<br>0.19 | 2.66<br>0.24  | 3.23<br>0.30  | 3.80<br>0.35  | 4.37<br>0.40  | 4.94<br>0.45  | 5.51<br>0.51  | 6.08<br>0.56  | 6.65<br>0.61  |  |
|                             | 36<br>0.91 | 1.20<br>0.11               | 1.93<br>0.18 | 2.66<br>0.24 | 3.38<br>0.31  | 4.11<br>0.38  | 4.83<br>0.44  | 5.56<br>0.51  | 6.28<br>0.58  | 7.01<br>0.65  | 7.73<br>0.71  | 8.46<br>0.78  |  |
|                             | 42<br>1.07 | 1.47<br>0.13               | 2.36<br>0.21 | 3.24<br>0.30 | 4.13<br>0.38  | 5.01<br>0.46  | 5.90<br>0.54  | 6.79<br>0.63  | 7.67<br>0.71  | 8.56<br>0.79  | 9.44<br>0.87  | 10.33<br>0.96 |  |
|                             | 48<br>1.22 | 1.73<br>0.16               | 2.77<br>0.25 | 3.81<br>0.35 | 4.85<br>0.45  | 5.89<br>0.54  | 6.93<br>0.64  | 8.07<br>0.75  | 9.01<br>0.83  | 10.05<br>0.93 | 11.09<br>1.03 | 12.13<br>1.12 |  |
|                             | 54<br>1.37 | 1.99<br>0.18               | 3.18<br>0.29 | 4.38<br>0.40 | 5.57<br>0.51  | 6.76<br>0.62  | 7.96<br>0.74  | 9.15<br>0.85  | 10.35<br>0.96 | 11.54<br>1.07 | 12.74<br>1.18 | 13.93<br>1.29 |  |
|                             | 60<br>1.52 | 2.24<br>0.20               | 3.59<br>0.33 | 4.93<br>0.45 | 6.28<br>0.58  | 7.62<br>0.70  | 8.97<br>0.83  | 10.32<br>0.95 | 11.66<br>1.08 | 13.01<br>1.20 | 14.36<br>1.33 | 15.70<br>1.45 |  |
|                             | 66<br>1.68 | 2.50<br>0.23               | 4.00<br>0.37 | 5.51<br>0.51 | 7.01<br>0.65  | 8.51<br>0.79  | 10.02<br>0.93 | 11.52<br>1.07 | 13.02<br>1.21 | 14.53<br>1.35 | 16.03<br>1.49 | 17.53<br>1.62 |  |
|                             | 72<br>1.83 | 2.76<br>0.25               | 4.42<br>0.41 | 6.07<br>0.56 | 7.73<br>0.71  | 9.39<br>0.87  | 11.05<br>1.02 | 12.70<br>1.18 | 14.36<br>1.33 | 16.02<br>1.48 | 17.68<br>1.64 | 19.33<br>1.79 |  |
|                             | 78<br>1.98 | 3.02<br>0.28               | 4.83<br>0.44 | 6.64<br>0.61 | 8.45<br>0.78  | 10.26<br>0.95 | 12.07<br>1.12 | 13.89<br>1.29 | 15.70<br>1.45 | 17.51<br>1.62 | 19.32<br>1.79 | 21.13<br>1.96 |  |
|                             | 84<br>2.13 | 3.27<br>0.30               | 5.24<br>0.48 | 7.20<br>0.67 | 9.17<br>0.85  | 11.13<br>1.03 | 13.10<br>1.21 | 15.07<br>1.40 | 17.03<br>1.58 | 19.00<br>1.76 | 20.96<br>1.94 | 22.93<br>2.13 |  |
|                             | 90<br>2.29 | 3.53<br>0.32               | 5.65<br>0.52 | 7.77<br>0.72 | 9.89<br>1.01  | 12.01<br>1.11 | 14.13<br>1.31 | 16.25<br>1.51 | 18.37<br>1.70 | 20.49<br>1.90 | 22.61<br>2.10 | 24.73<br>2.29 |  |
|                             | 96<br>2.44 | 3.78<br>0.35               | 6.06<br>0.56 | 8.33<br>0.77 | 10.61<br>0.98 | 12.88<br>1.19 | 15.15<br>1.40 | 17.43<br>1.61 | 19.70<br>1.83 | 21.97<br>2.04 | 24.25<br>2.25 | 26.52<br>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   | 0.30                       | 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                       | 0.02 | 0.03 | 0.04 | 0.05  | 0.07  | 0.08  | 0.09  | 0.10  | 0.12  | 0.13  | 0.14  |
|                             | 18   | 0.46                       | 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                       | 0.04 | 0.07 | 0.09 | 0.12  | 0.14  | 0.17  | 0.20  | 0.22  | 0.25  | 0.28  | 0.30  |
|                             | 24   | 0.61                       | 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 | 0.10 | 0.14 | 0.19  | 0.23  | 0.27  | 0.31  | 0.35  | 0.39  | 0.43  | 0.47  |
|                             | 30   | 0.76                       | 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  | 0.64  |
|                             | 36   | 0.91                       | 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  | 0.82  |
|                             | 42   | 1.07                       | 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  | 0.96  |
|                             | 48   | 1.22                       | 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  | 1.04  | 1.11  |
|                             | 54   | 1.37                       | 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  | 1.18  | 1.28  |
| 60                          | 1.52 | 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  | 1.34  | 1.45  |       |
| 66                          | 1.68 | 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  | 1.64  |       |
| 72                          | 1.83 | 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  | 1.78  |       |
| 78                          | 1.98 | 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  | 1.96  |       |
| 84                          | 2.13 | 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  | 2.10  |       |
| 90                          | 2.29 | 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  | 2.28  |       |
| 96                          | 2.44 | 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  | 2.46  |       |

## 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)           |
| 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) |

**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.



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.

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.

A

LOUVERS

## 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.

- HIGH PERFORMANCE
- DUAL DRAINABLE DESIGN FOR MAXIMUM WEATHER PROTECTION
- DRAINABLE HEAD
- 4" OR 6" DEEP FRAME
- EXTRUDED ALUMINUM

## MODELS:

**1604DD**      4" (102) DEEP

**1606DD**      6" (152) DEEP



**A**

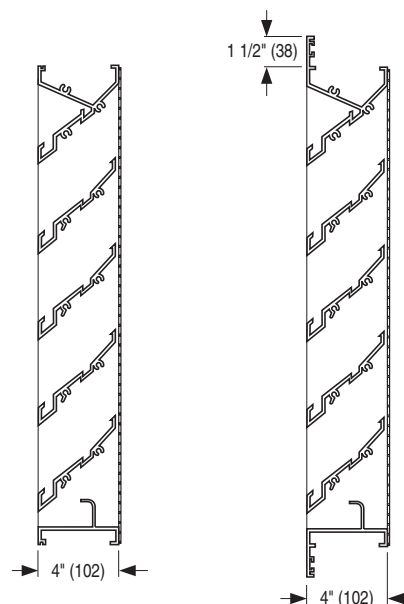
## MODEL 1604DD

Model 1604DD, Dual Drainable blade type louver, combines maximum weather protection in a 4" (102) deep frame, with high performance and pleasing aesthetics that compliment any structure's exterior styling. 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 medium to higher 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 provides good air performance through it's 50% free area as well as maximum protection against the elements. Model 1604DD is available with channel or flanged type frame to suit most architectural and mechanical installation requirements and is AMCA Licensed.

**LOUVERS**

### MODEL 1604DD STANDARD CONSTRUCTION:

- FRAME:** 4" (102) 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. 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:** Visible type, due to watershedding requirements.
- 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). Drainable louvers require side frame with downspouts every 120" (3048) in width maximum due to watershedding requirements. Larger sizes will be manufactured in sections with visible mullion side frame (downspouts are concealed) for assembly in the field.



**MODEL 1604DD  
STANDARD  
CHANNEL FRAME**

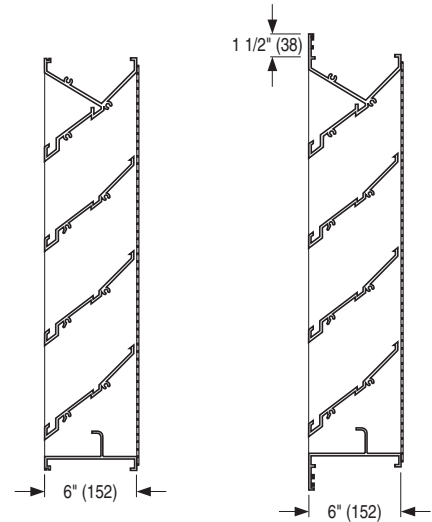
**MODEL 1604DD  
WITH OPTIONAL  
FLANGED FRAME**

## MODEL 1606DD

Model 1606DD is a Dual Drainable blade type louver that combines maximum weather protection, high performance and aesthetics that compliment any building design. With the beginning point of water penetration at 1164 fpm (5.91 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 medium to higher 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.

### MODEL 1606DD STANDARD CONSTRUCTION:

|                                |                                                                                                                                                                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRAME:</b>                  | 6" (152) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.                                                                                                                                                                |
| <b>BLADES:</b>                 | Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.                                                                                                                                                                                                      |
| <b>BLADE ANGLE:</b>            | Fixed at 37 degrees.                                                                                                                                                                                                                                                                               |
| <b>BLADE SPACING:</b>          | Approx. 6" (152) 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>               | Visible type, due to watershedding requirements.                                                                                                                                                                                                                                                   |
| <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>           | 12" wide x 16" high (305 x 406).                                                                                                                                                                                                                                                                   |
| <b>MAXIMUM SIZE:</b>           | 120" wide x 96" high (3048 x 2438). Drainable louvers require side frame with downspouts every 120" (3048) in width maximum due to watershedding requirements. Larger sizes will be manufactured in sections with visible mullion side frame (downspouts are concealed) for assembly in the field. |



**MODEL 1606DD  
STANDARD  
CHANNEL FRAME**

**MODEL 1606DD  
WITH OPTIONAL  
FLANGED FRAME**

## PERFORMANCE DATA MODELS: 1604DD & 1606DD

FREE AREA in Square Feet and Square Meters

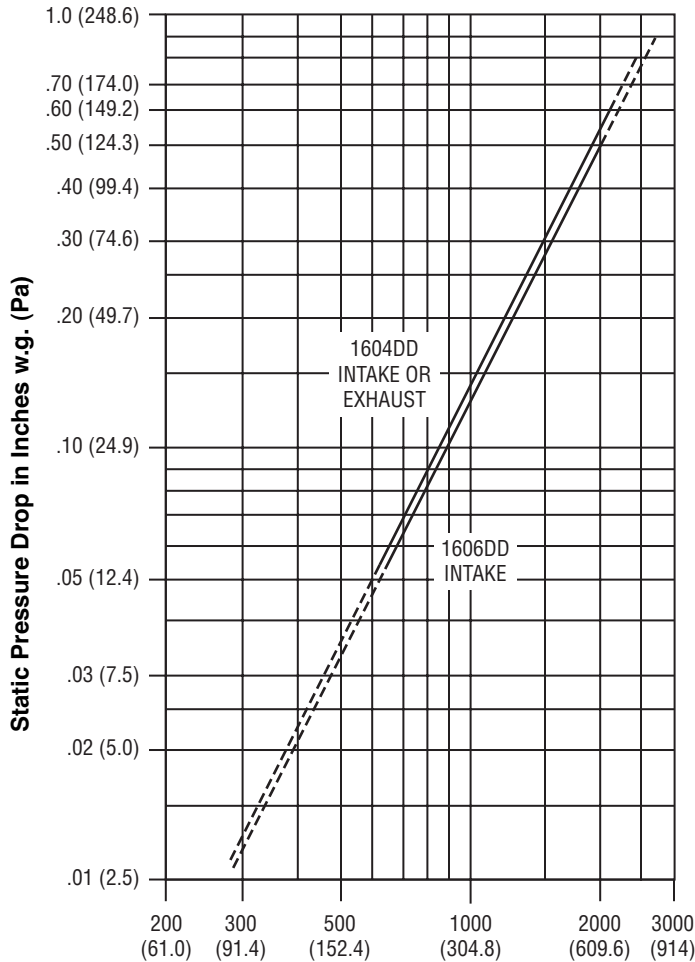
MODEL: 1604DD

|                             |      | 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   | 0.30                       | 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  |
|                             | .30  | 0.24                       | 0.38 | 0.52  | 0.67  | 0.81  | 0.96  | 1.10  | 1.24  | 1.39  | 1.53  | 1.68  | 1.82  | 1.96  | 2.11  | 2.25  | 2.39  | 2.53  | 2.68  | 2.82  |
|                             |      | 0.02                       | 0.03 | 0.05  | 0.06  | 0.07  | 0.09  | 0.10  | 0.11  | 0.12  | 0.14  | 0.15  | 0.16  | 0.18  | 0.19  | 0.21  | 0.22  | 0.24  | 0.25  | 0.26  |
|                             | 18   | 0.50                       | 0.80 | 1.11  | 1.41  | 1.71  | 2.01  | 2.32  | 2.62  | 2.92  | 3.22  | 3.53  | 3.83  | 4.13  | 4.43  | 4.74  | 5.04  | 5.34  | 5.64  | 5.95  |
|                             |      | 0.04                       | 0.07 | 0.10  | 0.13  | 0.16  | 0.18  | 0.21  | 0.24  | 0.27  | 0.30  | 0.32  | 0.35  | 0.38  | 0.41  | 0.44  | 0.47  | 0.50  | 0.52  | 0.55  |
|                             | 24   | 0.77                       | 1.24 | 1.71  | 2.18  | 2.64  | 3.11  | 3.58  | 4.04  | 4.51  | 4.98  | 5.45  | 5.91  | 6.38  | 6.85  | 7.31  | 7.78  | 8.25  | 8.71  | 9.17  |
|                             |      | 0.07                       | 0.11 | 0.15  | 0.20  | 0.24  | 0.28  | 0.33  | 0.37  | 0.42  | 0.46  | 0.50  | 0.55  | 0.59  | 0.63  | 0.68  | 0.72  | 0.77  | 0.81  | 0.85  |
|                             | 30   | 1.00                       | 1.60 | 2.20  | 2.81  | 3.41  | 4.01  | 4.61  | 5.22  | 5.82  | 6.42  | 7.03  | 7.63  | 8.23  | 8.83  | 9.44  | 10.04 | 10.64 | 11.24 | 11.85 |
|                             |      | 0.09                       | 0.14 | 0.20  | 0.26  | 0.31  | 0.37  | 0.42  | 0.48  | 0.54  | 0.59  | 0.65  | 0.70  | 0.76  | 0.82  | 0.87  | 0.93  | 0.99  | 1.05  | 1.10  |
|                             | 36   | 1.27                       | 2.04 | 2.81  | 3.58  | 4.34  | 5.11  | 5.88  | 6.65  | 7.41  | 8.18  | 8.95  | 9.71  | 10.48 | 11.25 | 12.02 | 12.78 | 13.55 | 14.32 | 15.08 |
|                             |      | 0.11                       | 0.19 | 0.26  | 0.33  | 0.40  | 0.47  | 0.54  | 0.61  | 0.68  | 0.76  | 0.83  | 0.90  | 0.97  | 1.04  | 1.11  | 1.19  | 1.26  | 1.33  | 1.40  |
|                             | 42   | 1.50                       | 2.41 | 3.31  | 4.22  | 5.13  | 6.03  | 6.94  | 7.84  | 8.75  | 9.65  | 10.56 | 11.46 | 12.37 | 13.27 | 14.18 | 15.08 | 15.99 | 16.90 | 17.80 |
|                             |      | 0.14                       | 0.22 | 0.30  | 0.39  | 0.47  | 0.56  | 0.64  | 0.72  | 0.81  | 0.89  | 0.98  | 1.06  | 1.14  | 1.23  | 1.31  | 1.40  | 1.49  | 1.57  | 1.65  |
|                             | 48   | 1.77                       | 2.84 | 3.91  | 4.97  | 6.04  | 7.11  | 7.97  | 9.24  | 10.31 | 11.37 | 12.44 | 13.51 | 14.57 | 15.64 | 16.71 | 17.77 | 18.84 | 19.91 | 20.97 |
|                             |      | 0.16                       | 0.26 | 0.36  | 0.46  | 0.56  | 0.66  | 0.74  | 0.85  | 0.95  | 1.05  | 1.15  | 1.25  | 1.35  | 1.45  | 1.55  | 1.65  | 1.75  | 1.85  | 1.95  |
|                             | 54   | 2.01                       | 3.22 | 4.42  | 5.63  | 6.84  | 8.05  | 9.25  | 10.46 | 11.67 | 12.88 | 14.09 | 15.29 | 16.50 | 17.71 | 18.92 | 20.12 | 21.33 | 22.54 | 23.75 |
|                             | 0.18 | 0.29                       | 0.41 | 0.52  | 0.63  | 0.74  | 0.86  | 0.97  | 1.08  | 1.19  | 1.30  | 1.42  | 1.53  | 1.64  | 1.75  | 1.87  | 1.98  | 2.09  | 2.21  |       |
| 60                          | 2.27 | 3.64                       | 5.01 | 6.37  | 7.74  | 9.11  | 10.48 | 11.84 | 13.21 | 14.58 | 15.94 | 17.31 | 18.68 | 20.04 | 21.41 | 22.78 | 24.14 | 25.51 | 26.88 |       |
|                             | 0.21 | 0.33                       | 0.46 | 0.59  | 0.72  | 0.84  | 0.97  | 1.10  | 1.22  | 1.35  | 1.48  | 1.60  | 1.73  | 1.86  | 1.99  | 2.12  | 2.24  | 2.37  | 2.50  |       |
| 66                          | 2.55 | 4.08                       | 5.61 | 7.14  | 8.68  | 10.21 | 11.74 | 13.27 | 14.80 | 16.34 | 17.87 | 19.40 | 20.93 | 22.46 | 23.99 | 25.53 | 27.06 | 28.59 | 30.12 |       |
|                             | 0.23 | 0.37                       | 0.52 | 0.66  | 0.80  | 0.94  | 1.09  | 1.23  | 1.37  | 1.51  | 1.66  | 1.80  | 1.94  | 2.08  | 2.23  | 2.37  | 2.51  | 2.66  | 2.80  |       |
| 72                          | 2.78 | 4.44                       | 6.11 | 7.78  | 9.45  | 11.12 | 12.78 | 14.45 | 16.12 | 17.79 | 19.46 | 21.13 | 22.79 | 24.46 | 26.13 | 27.80 | 29.47 | 31.13 | 32.80 |       |
|                             | 0.25 | 0.41                       | 0.56 | 0.72  | 0.87  | 1.03  | 1.18  | 1.34  | 1.49  | 1.65  | 1.80  | 1.96  | 2.11  | 2.27  | 2.42  | 2.58  | 2.74  | 2.89  | 3.05  |       |
| 78                          | 3.05 | 4.88                       | 6.71 | 8.54  | 10.37 | 12.20 | 14.03 | 15.86 | 17.70 | 19.53 | 21.36 | 23.19 | 25.02 | 26.85 | 28.68 | 30.51 | 32.34 | 34.17 | 36.00 |       |
|                             | 0.28 | 0.45                       | 0.62 | 0.79  | 0.96  | 1.13  | 1.30  | 1.47  | 1.64  | 1.81  | 1.98  | 2.15  | 2.32  | 2.49  | 2.66  | 2.84  | 3.01  | 3.18  | 3.35  |       |
| 84                          | 3.28 | 5.26                       | 7.23 | 9.20  | 11.17 | 13.14 | 15.12 | 17.09 | 19.06 | 21.03 | 23.01 | 24.98 | 26.95 | 28.92 | 30.90 | 32.87 | 34.84 | 36.81 | 38.79 |       |
|                             | 0.30 | 0.48                       | 0.67 | 0.85  | 1.03  | 1.22  | 1.40  | 1.58  | 1.77  | 1.95  | 2.13  | 2.32  | 2.50  | 2.68  | 2.87  | 3.05  | 3.24  | 3.42  | 3.60  |       |
| 90                          | 3.55 | 5.68                       | 7.81 | 9.94  | 12.07 | 14.21 | 16.34 | 18.47 | 20.60 | 22.73 | 24.86 | 27.00 | 29.13 | 31.26 | 33.39 | 35.53 | 37.66 | 39.79 | 41.92 |       |
|                             | 0.33 | 0.52                       | 0.72 | 0.92  | 1.12  | 1.32  | 1.51  | 1.71  | 1.91  | 2.11  | 2.31  | 2.50  | 2.70  | 2.90  | 3.10  | 3.30  | 3.50  | 3.70  | 3.90  |       |
| 96                          | 3.82 | 6.12                       | 8.42 | 10.71 | 13.01 | 15.31 | 17.60 | 19.90 | 22.20 | 24.49 | 26.79 | 29.09 | 31.38 | 33.68 | 35.97 | 38.27 | 40.57 | 42.86 | 45.16 |       |
|                             | 0.35 | 0.56                       | 0.78 | 0.99  | 1.20  | 1.42  | 1.63  | 1.84  | 2.06  | 2.27  | 2.48  | 2.70  | 2.91  | 3.12  | 3.34  | 3.56  | 3.77  | 3.98  | 4.20  |       |

MODEL: 1606DD

|                             |      | 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 | 16   | 0.35                       | 0.56 | 0.77  | 0.98  | 1.19  | 1.40  | 1.61  | 1.82  | 2.03  | 2.24  | 2.45  | 2.66  | 2.87  | 3.08  | 3.29  | 3.50  | 3.71  | 3.92  | 4.13  |
|                             | .41  | 0.03                       | 0.05 | 0.07  | 0.09  | 0.11  | 0.13  | 0.15  | 0.17  | 0.19  | 0.21  | 0.23  | 0.25  | 0.27  | 0.29  | 0.31  | 0.33  | 0.35  | 0.37  | 0.38  |
|                             | 18   | 0.44                       | 0.70 | 0.97  | 1.23  | 1.49  | 1.76  | 2.02  | 2.29  | 2.55  | 2.82  | 3.08  | 3.35  | 3.61  | 3.88  | 4.14  | 4.41  | 4.67  | 4.94  | 5.20  |
|                             | .46  | 0.04                       | 0.06 | 0.09  | 0.11  | 0.14  | 0.16  | 0.18  | 0.21  | 0.23  | 0.26  | 0.28  | 0.31  | 0.33  | 0.36  | 0.38  | 0.41  | 0.43  | 0.46  | 0.48  |
|                             | 24   | 0.70                       | 1.12 | 1.55  | 1.97  | 2.39  | 2.82  | 3.24  | 3.66  | 4.09  | 4.51  | 4.93  | 5.36  | 5.78  | 6.20  | 6.62  | 7.05  | 7.47  | 7.89  | 8.31  |
|                             | .61  | 0.06                       | 0.10 | 0.14  | 0.18  | 0.22  | 0.26  | 0.30  | 0.34  | 0.38  | 0.42  | 0.46  | 0.50  | 0.53  | 0.57  | 0.61  | 0.66  | 0.69  | 0.73  | 0.77  |
|                             | 30   | 0.97                       | 1.55 | 2.13  | 2.71  | 3.29  | 3.87  | 4.46  | 5.04  | 5.62  | 6.20  | 6.78  | 7.37  | 7.95  | 8.53  | 9.11  | 9.70  | 10.28 | 10.86 | 11.44 |
|                             | .76  | 0.09                       | 0.14 | 0.20  | 0.25  | 0.30  | 0.36  | 0.41  | 0.46  | 0.52  | 0.57  | 0.63  | 0.68  | 0.74  | 0.79  | 0.84  | 0.90  | 0.96  | 1.01  | 1.06  |
|                             | 36   | 1.23                       | 1.97 | 2.71  | 3.45  | 4.19  | 4.93  | 5.68  | 6.42  | 7.16  | 7.90  | 8.64  | 9.38  | 10.12 | 10.86 | 11.60 | 12.34 | 13.08 | 13.82 | 14.56 |
|                             | .91  | 0.11                       | 0.18 | 0.25  | 0.32  | 0.39  | 0.46  | 0.53  | 0.59  | 0.66  | 0.73  | 0.80  | 0.87  | 0.94  | 1.01  | 1.08  | 1.15  | 1.22  | 1.28  | 1.35  |
|                             | 42   | 1.50                       | 2.41 | 3.31  | 4.22  | 5.12  | 6.03  | 6.93  | 7.84  | 8.74  | 9.65  | 10.55 | 11.46 | 12.37 | 13.27 | 14.18 | 15.08 | 15.99 | 16.90 | 17.80 |
|                             | 1.07 | 0.14                       | 0.22 | 0.31  | 0.39  | 0.47  | 0.56  | 0.64  | 0.73  | 0.81  | 0.89  | 0.98  | 1.06  | 1.15  | 1.23  | 1.31  | 1.40  | 1.49  | 1.57  | 1.65  |
|                             | 48   | 1.77                       | 2.83 | 3.89  | 4.96  | 6.02  | 7.08  | 7.74  | 9.21  | 10.27 | 11.34 | 12.40 | 13.47 | 14.53 | 15.59 | 16.66 | 17.72 | 18.79 | 19.85 | 20.91 |
|                             | 1.22 | 0.16                       | 0.26 | 0.36  | 0.46  | 0.56  | 0.66  | 0.72  | 0.85  | 0.95  | 1.05  | 1.15  | 1.25  | 1.35  | 1.45  | 1.55  | 1.65  | 1.75  | 1.84  | 1.94  |
|                             | 54   | 2.03                       | 3.25 | 4.47  | 5.70  | 6.92  | 8.14  | 9.36  | 10.58 | 11.80 | 13.03 | 14.25 | 15.47 | 16.69 | 17.91 | 19.14 | 20.36 | 21.58 | 22.80 | 24.02 |
|                             | 1.37 | 0.18                       | 0.30 | 0.41  | 0.53  | 0.64  | 0.75  | 0.87  | 0.98  | 1.10  | 1.21  | 1.32  | 1.43  | 1.55  | 1.66  | 1.78  | 1.89  | 2.01  | 2.12  | 2.23  |
| 60                          | 2.29 | 3.67                       | 5.05 | 6.42  | 7.80  | 9.18  | 10.56 | 11.93 | 13.31 | 14.69 | 16.07 | 17.44 | 18.82 | 20.20 | 21.58 | 22.96 | 24.34 | 25.72 | 27.10 |       |
| 1.52                        | 0.21 | 0.34                       | 0.47 | 0.59  | 0.72  | 0.85  | 0.98  | 1.11  | 1.23  | 1.36  | 1.49  | 1.62  | 1.75  | 1.87  | 2.00  | 2.13  | 2.26  | 2.39  | 2.52  |       |
| 66                          | 2.56 | 4.10                       | 5.64 | 7.17  | 8.71  | 10.25 | 11.79 | 13.33 | 14.86 | 16.40 | 17.94 | 19.48 | 21.02 | 22.56 | 24.10 | 25.64 | 27.18 | 28.72 | 30.26 |       |
| 1.68                        | 0.23 | 0.38                       | 0.52 | 0.66  | 0.81  | 0.95  | 1.09  | 1.24  | 1.38  | 1.52  | 1.66  | 1.81  | 1.95  | 2.09  | 2.24  | 2.38  | 2.53  | 2.67  | 2.81  |       |
| 72                          | 2.82 | 4.52                       | 6.22 | 7.91  | 9.61  | 11.30 | 13.00 | 14.70 | 16.39 | 18.09 | 19.79 | 21.49 | 23.18 | 24.88 | 26.57 | 28.27 | 29.97 | 31.67 | 33.36 |       |
| 1.83                        | 0.26 | 0.42                       | 0.57 | 0.73  | 0.89  | 1.05  | 1.21  | 1.36  | 1.52  | 1.68  | 1.84  | 1.99  | 2.15  | 2.31  | 2.47  | 2.63  | 2.79  | 2.94  | 3.10  |       |
| 78                          | 3.09 | 4.94                       | 6.80 | 8.65  | 10.50 | 12.36 | 14.21 | 16.07 | 17.92 | 19.78 | 21.63 | 23.49 | 25.34 | 27.19 | 29.05 | 30.90 | 32.76 | 34.61 | 36.46 |       |
| 1.98                        | 0.28 | 0.46                       | 0.63 | 0.80  | 0.97  | 1.15  | 1.32  | 1.49  | 1.66  | 1.84  | 2.01  | 2.18  | 2.35  | 2.52  | 2.70  | 2.87  | 3.04  | 3.22  | 3.39  |       |
| 84                          | 3.35 | 5.36                       | 7.37 | 9.39  | 11.40 | 13.41 | 15.42 | 17.44 | 19.45 | 21.46 | 23.47 | 25.49 | 27.50 | 29.51 | 31.52 | 33.54 | 35.55 | 37.56 | 39.57 |       |
| 2.13                        | 0.31 | 0.50                       | 0.68 | 0.87  | 1.06  | 1.24  | 1.43  | 1.62  | 1.81  | 1.99  | 2.18  | 2.37  | 2.55  | 2.74  | 2.93  | 3.12  | 3.30  | 3.49  | 3.68  |       |
| 90                          | 3.61 | 5.78                       | 7.95 | 10.12 | 12.29 | 14.46 | 16.63 | 18.80 | 20.97 | 23.14 | 25.31 | 27.49 | 29.65 | 31.82 | 34.00 | 36.17 | 38.34 | 40.52 | 42.69 |       |
| 2.29                        | 0.33 | 0.53                       | 0.74 | 0.94  | 1.14  | 1.34  | 1.54  | 1.74  | 1.95  | 2.15  | 2.35  | 2.55  | 2.75  | 2.95  | 3.16  | 3.36  | 3.56  | 3.77  | 3.97  |       |
| 96                          | 3.88 | 6.20                       | 8.53 | 10.86 | 13.19 | 15.52 | 17.84 | 20.17 | 22.50 | 24.83 | 27.15 | 29.48 | 31.81 | 34.14 | 36.47 | 38.80 | 41.13 | 43.46 | 45.79 |       |
| 2.44                        | 0.36 | 0.57                       | 0.79 | 1.01  | 1.22  | 1.44  | 1.66  | 1.87  | 2.09  | 2.30  | 2.52  | 2.74  | 2.95  | 3.17  | 3.39  | 3.61  | 3.82  | 4.04  | 4.25  |       |

## PERFORMANCE DATA MODELS: 1604DD & 1606DD PRESSURE DROP



Nailor Industries certifies the Models 1604DD and 1606DD 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.

### 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                                                                                                              | 1604DD               | 1606DD                |
|--------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|
| Free Area %                                                                                                        | 50%                  | 49%                   |
| Free Area sq. ft. (sq. m.)                                                                                         | 7.97 (0.74)          | 7.74 (0.72)           |
| Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration) | 978 fpm (298 m/min.) | 1164 fpm (355 m/min.) |
| Air Volume @ Free Area Velocity shown                                                                              | 7795 cfm (3678 l/s)  | 9009 cfm (4251 l/s)   |
| Pressure Drop @ Free Area Velocity shown                                                                           | .14 in. w.g. (35 Pa) | .17 in. w.g. (42 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 1604DD

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 side frames that incorporate dual hidden downspouts that allow water to drain from blade ends down to sill. Frame shall be constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness. Blades shall be drainable style incorporating dual rain gutters that divert collected water to hidden downspouts in side frames, and shall be constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness. Blades shall be 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 exposed mullions to accommodate watershedding requirements and shall be 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 1604DD.

## SUGGESTED SPECIFICATION:

### MODEL 1606DD

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 side frames that incorporate dual hidden downspouts that allow water to drain from blade ends down to sill. Frame shall be constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness. Blades shall be drainable style incorporating dual rain gutters that divert collected water to hidden downspouts in side frames, and shall be constructed from type 6063-T5 extruded aluminum of .080" (2.03) nominal wall thickness. Blades shall be 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 exposed mullions to accommodate watershedding requirements and shall be 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 1606DD.



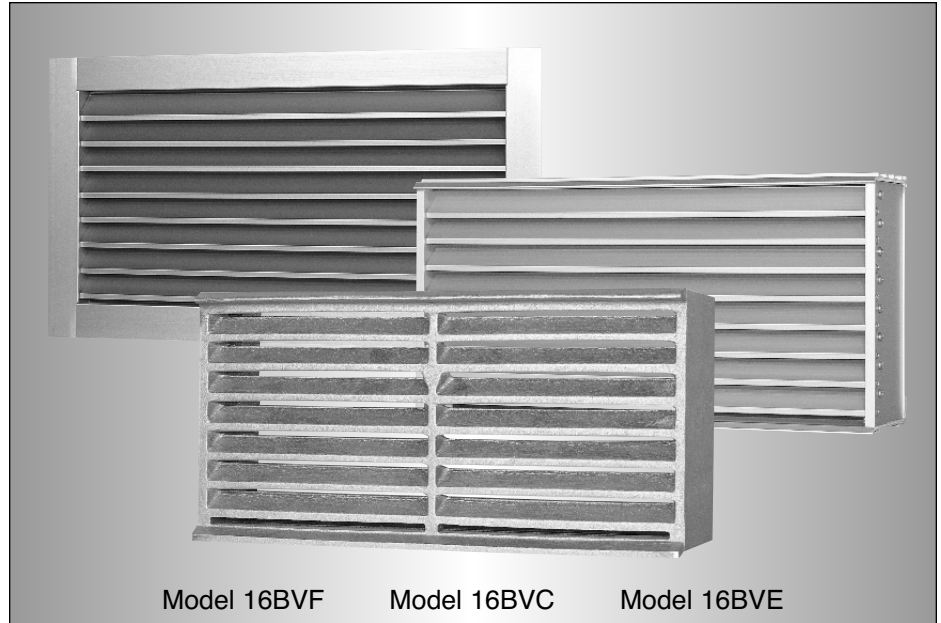
- **CAST OR EXTRUDED ALUMINUM**
- **HEAVY DUTY CONSTRUCTION**
- **FOR NEW CONSTRUCTION OR RENOVATIONS**

## MODELS:

**16BVC CAST ALUMINUM**

**16BVE EXTRUDED ALUMINUM**

**16BVF EXTRUDED ALUMINUM WITH FLANGE**



Model 16BVF

Model 16BVC

Model 16BVE

Nailor 16BV Series Brick Vents provide a permanent, secure means of ventilating foundations, crawl spaces and other utility areas. All models incorporate a rear water stop and full width weepage openings for minimal water penetration during severe weather. Rugged cast or extruded aluminum construction resists potential damage due to vandalism, allowing for installation in accessible exterior areas. Standard insect screen prevents unwanted pests from entering through the vent. All models are available with an optional damper for volume control and an extended sleeve suitable for duct connection if desired.

## MODEL 16BVC

Model 16BVC features corrosion resistant cast aluminum construction that is suitable for load bearing applications, ideal for new construction. Deep louvered blades exhibit a minimum 39% free area and provide for minimal through-viewing. A rear water stop minimizes water penetration, and top and bottom drips prevent water from staining brick.

### MODEL 16BVC STANDARD CONSTRUCTION:

**FRAME:** 4" (102) deep, #319 cast aluminum, minimum .125" (3) thickness.

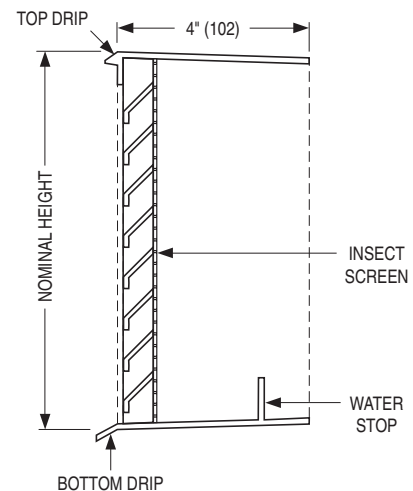
**BLADES:** #319 cast aluminum, minimum .125" (3) thickness, with cast face mullions on 8" (203) centers.

**SCREEN:** 7 x 7 aluminum mesh insect screen.

**FINISH:** Mill. Optional finishes are available.

**STD. SIZES:** Width x Height

|                               |
|-------------------------------|
| 8" x 2 1/4" (203 x 57)        |
| 8 1/4" x 4 15/16" (210 x 125) |
| 8" x 7 7/8" (203 x 200)       |
| 12" x 2 3/4" (305 x 70)       |
| 12" x 3 1/2" (305 x 89)       |
| 12" x 5" (305 x 127)          |
| 12" x 7 3/4" (305 x 197)      |
| 16 1/2" x 2 3/8" (419 x 60)   |
| 16" x 4" (406 x 102)          |
| 16" x 4 15/16" (406 x 125)    |
| 16" x 6" (406 x 152)          |
| 16" x 7 3/4" (406 x 197)      |



MODEL 16BVC

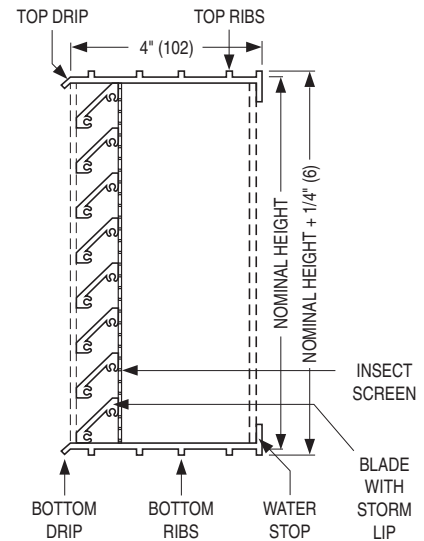


## MODEL 16BVE

Model 16BVE features corrosion resistant extruded aluminum construction with top and bottom mortar ribs, ideal for new construction. Overlapping blades with storm lip exhibit a 35% free area and, combined with a rear frame water stop, minimize water penetration. Integral top and bottom drips prevent water from staining brick.

### MODEL 16BVE STANDARD CONSTRUCTION:

- FRAME:** 4" (102) deep, Type 6063-T5 extruded aluminum, .125" (3.18) nominal wall thickness. Integral top and bottom mortar ribs.
- BLADES:** 1" (25) deep on 1" (25) centers, Type 6063-T5 extruded aluminum, .125" (3.18) nominal wall thickness, fixed at 45 degrees, with integral storm lip.
- SCREEN:** 18 x 14 mesh aluminum insect screen.
- FINISH:** 204-R1 clear anodized finish. Optional finishes are available.
- STD. SIZES:** See below. Non-standard sizes are also available.
- NOTE: For Model 16BVE, **heights** shown below do not include top and bottom mortar ribs (add 1/4" (6)).



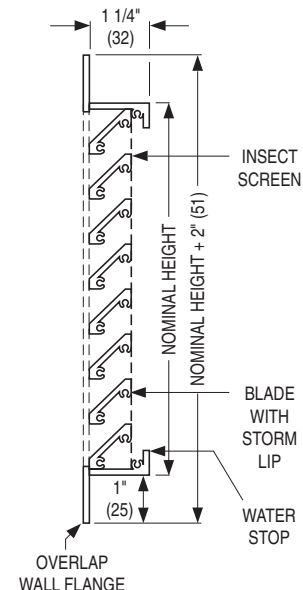
MODEL 16BVE

## MODEL 16BVF

Model 16BVF features corrosion resistant extruded aluminum construction with a flanged frame that is ideal for use in renovations or existing openings. The 1" (25) flange provides an attractive finished appearance that conceals any rough edges in the opening. Overlapping blades with storm lip exhibit a 35% free area and, combined with a rear frame water stop, minimize water penetration.

### MODEL 16BVF STANDARD CONSTRUCTION:

- FRAME:** 1 1/4" (32) deep, with integral 1" (25) flange, Type 6063-T5 extruded aluminum, .125" (3.18) nominal wall thickness.
- BLADES:** 1" (25) deep on 1" (25) centers, Type 6063-T5 extruded aluminum, .125" (3.18) nominal wall thickness, fixed at 45 degrees, with integral storm lip.
- SCREEN:** 18 x 14 mesh aluminum insect screen.
- FINISH:** 204-R1 clear anodized finish. Optional finishes are available.
- STD. SIZES:** See below. Non-standard sizes are also available.
- NOTE: For Model 16BVF, **widths** shown below do not include blade fasteners (add 1/4" (6)).



MODEL 16BVF

### MODELS 16BVE & 16BVF STANDARD SIZES (Width x Height):

|                             |                               |                               |                           |
|-----------------------------|-------------------------------|-------------------------------|---------------------------|
| 8 1/8" x 2 3/8" (206 x 60)  | 12" x 7 3/4" (305 x 197)      | 16 1/2" x 2 3/8" (419 x 60)   | 24" x 4 3/4" (610 x 121)  |
| 8 1/8" x 4 3/4" (206 x 121) | 12" x 11 3/4" (305 x 298)     | 16 1/2" x 4 3/4" (419 x 121)  | 24" x 7 3/4" (610 x 197)  |
| 8 1/8" x 7 3/4" (206 x 197) | 15 5/8" x 7 3/4" (397 x 197)  | 16 1/2" x 7 3/4" (419 x 197)  | 32" x 7 3/4" (813 x 197)  |
| 12" x 4 3/4" (305 x 121)    | 15 5/8" x 15 3/4" (397 x 400) | 16 1/2" x 15 3/4" (419 x 400) | 48" x 7 3/4" (1219 x 197) |

## HOW TO SPECIFY OR TO ORDER

Extruded Aluminum Louvers - Models 1602SB, 1604SB, 1602SR, 1604SR, 1606SR, 1604DD, 1606DD.

1602SB - 48 x 36 - CH - BSG - MI - CM - WE

### MODEL

- 1602SB
- 1604SB
- 1602SR
- 1604SR
- 1606SR
- 1604DD
- 1606DD

### NOMINAL WIDTH

Inches (mm)

### NOMINAL HEIGHT

Inches (mm)

### FRAME

- Channel (default)
- Flanged, Integral

CH

FLI

### OTHER OPTIONS

- None (default)
- Welded Construction

—

WE

### MULLION TYPE

- Concealed (Non-drainable default)
- Visible (Drainable default)

CM

VM

### FINISH

- Mill Finish (default)
- Baked Enamel
- Kynar 500 / Hylar 5000
- Anodized
- Prime Coat
- Special

MI

BE

KY

AN

PCF

SPL

### SCREEN

- Galvanized Bird Screen (default)
- Aluminum Bird Screen
- Aluminum Insect Screen
- No Screen Required

BSG

BSA

ISA

NSR

**NOTE:** See inside front cover for description of optional finishes.

**A**

**LOUVERS**