Model 1706D, drainable blade type formed louver, provides excellent weather protection in a 6" (152) deep frame, with good air performance and pleasing aesthetics that compliment any structure’s exterior styling. Suitable for use in exhaust and low to medium velocity intake applications, the drainable blade design utilizes rain gutters that divert collected water down concealed side downspouts and out the sill. Galvanized steel construction is economical, yet durable and the design provides good air performance through it’s 50% free area as well as excellent protection against the elements. Model 1706D is available with channel or flanged type frame to suit most architectural and mechanical installation requirements and is AMCA Licensed.

STANDARD CONSTRUCTION:
FRAME: 6" (152) deep, 18 ga. (1.3) formed galvanized steel.
BLADES: 20 ga. (1.0) formed galvanized steel. Drainable style.
BLADE ANGLE: Fixed at 45 degrees.
BLADE SPACING: Approx. 5 1/2" (140) on centers.
SCREEN: 1/2" x 1/2" x 19 ga. (13 x 13 x 1.0) galvanized bird screen in removable frame (adds approximately 3/8" [10] to louver depth).
FINISH: Mill.
MINIMUM SIZE: 12" wide x 12" high (305 x 305).
MAXIMUM SINGLE SECTION SIZE: 60" wide x 96" high (1524 x 2438). Larger louvers will require field assembly of smaller sections.

OPTIONS:
- FL Flanged Frame.
- BSA Aluminum Bird Screen.
- BSSS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSS Type 304 S.S. Insect Screen.
- 18GA 18 Gauge Construction.
- 16GA 16 Gauge Construction.
- 304 Type 304 S.S. Construction.
- 316 Type 316 S.S. Construction.
- WE Welded Construction.
- ESI Extended Sill.
- FR1 1" (25) Filter Rack.
- FR2 2" (51) Filter Rack.
- PAC Perimeter Anchor Clips.
- PC3 Powder Coat AAMA 2603. Color: ________________.
- PC4 High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ________________.
- PC5 Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: ________________.
- PCC Prime Coat.

OPTIONAL W x H SIZING (1/4" [6.5] Undersize standard):
- U00 Exact Size.
- U38 Undersize 3/8" (9.5).
- U50 Undersize 1/2" (12.7).
### FORMED STEEL STATIONARY LOUVER

**6" (152) DEEP • DRAINABLE BLADE**

**PERFORMANCE DATA**

**MODEL: 1706D (1706SD)**

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#### FREE AREA in Square Feet and Square Meters

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

- **Free Area %**: 50%
- **Free Area sq. ft. (sq. m)**: 8.02 (0.75)

**AIR INTAKE**

- **Free Area Velocity at Point of Beginning Water Penetration** (at 0.1 oz./sq. ft. (3 ml/sq. m))
  - 1250 fpm (381 m/min.)
- **Air Volume at 1250 fpm**
  - 10,063 cfm (4749 l/s)
- **Pressure Drop @ 1250 fpm**
  - .22 in. w.g. (55 Pa)

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

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#### PRESSURE DROP

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

Louver test size: 48" x 48" (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³. Tested to AMCA Fig. 5.5-6.5.

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**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

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Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Nailor Industries Inc. certifies the Model 1706D shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. Seal applies to air performance ratings and water penetration ratings.

1706D October, 2012.