FIRE RATED DUCTLESS RETURN FILTER GRILLES

Model Series 4100 Ductless Return Air Filter Grilles have been designed to compliment the Nailor range of fire rated supply diffusers. These grilles are manufactured to accommodate a throw away filter by others. The grilles have been tested and classified for use without the requirement of duct work or supplementary support, they simply lay in place. The filter grilles are available in two styles, a louvered face or an eggcrate face.

Louvered Face –
Models 4121, 4122, 4123 **Page E47**

Eggcrate Face –
Models 4124, 4125, 4126 **Page E47**

Model 4123

Model 4129

FIRE RATED DUCTLESS RETURN CEILING DAMPERS FOR OPTIONAL GRILLE

A unique Nailor product that features a raised ceiling radiation damper mounted on an extended support frame above the ceiling line. It will accommodate any type of return air grille, filter grille or register manufactured from steel or aluminum. This allows the design engineer greater flexibility.

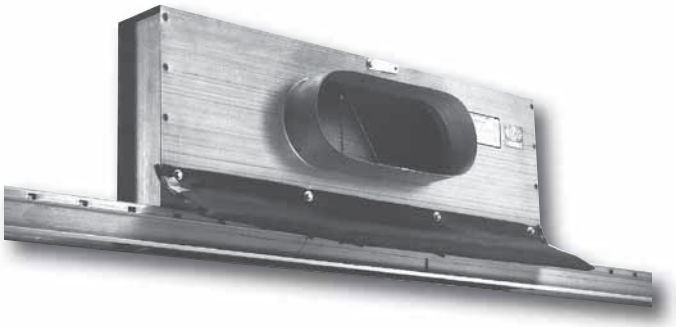
Optional Grilles –
Models 4127, 4128, 4129 **Page E50**

FIRE RATED OPEN FACE PLENUM DIFFUSERS

Nailor 5200 Series Fire Rated Plenums are designed for lay-in T-Bar. They can accommodate steel or aluminum grilles, registers or linear type slot diffusers and bar grilles. A turned in leg design is available to suit lay-in type cores and a hemmed leg design is available to accommodate concealed mounting angles.

Turned In Leg –
Model 5200 Type L **Page E53**

Hemmed Leg –
Model 5200 Type S **Page E53**



Model 5200

Models 5575, 5575R

FIRE RATED PLENUM SLOT DIFFUSERS

Nailor 5500 Series Plenum Slot Diffusers are designed for lay-in T-Bar. They are available for supply and return air. The supply air models feature pattern controllers that are available in three performance styles, four slot widths, and up to four parallel slots. The return models are designed to match the look of the supply air models.

'Wiper Blade' Pattern Controller –
Models 5550WB, 5575WB, 5510WB, 5515WB **Page E56**

'Ice Tong' Pattern Controller –
Models 5550T, 5575T, 5510T **Page E59**

'Flip Flop' Pattern Controller –
Model 5575 **Page E62**

Return Air –
Models 5550R, 5575R, 5510R, 5515R **Page E62**

FIRE RATED PLENUM SLOT SUPPLY DIFFUSERS

- ADJUSTABLE 'WIPER BLADE' PATTERN CONTROLLERS
- 3 HOUR RATING
- LAY-IN

CLASSIFIED C UL US

CATEGORY
BZGU & BZGU7

Models:

5550WB 1/2" (13) Slot Width
5575WB 3/4" (19) Slot Width
5510WB 1" (25) Slot Width
5515WB 1 1/2" (38) Slot Width

Model 5575WB

Model Series 5500WB is a UL Classified fire rated "Air Terminal Unit" listed in Underwriters Laboratories Fire Resistance Directory. This design meets UL time-vs-temperature test criteria and NFPA 90A requirements.

All diffusers are classified for use in UL/ULC restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling (lay-in T-Bar) with up to a 3 hour rating. For details of fire rated assemblies, see the current UL or ULC Fire Resistance Directory.

The 5500WB Series features a friction pivoted adjustable extruded aluminum pattern controller in each slot. A key feature is the gasketed 'wiper blade' design. The direction of airflow is adjustable through a full 180° from the face of the diffuser. In the horizontal discharge setting, either left or right, the gasket seal at the top of the blade seals tightly against the inside of the diffuser plenum casing or factory supplied center T-Bar, assuring positive directional control. The pattern controller may also be set for vertical discharge.

In the horizontal discharge setting, the coanda effect is maximized and a tight blanket of air is projected across the ceiling. The horizontal pattern is maintained throughout a wide range of cataloged air volumes from maximum to minimum flow and the 5500WB Series therefore provides excellent performance in variable air volume applications.

STANDARD FEATURES:

- Tested in accordance with ANSI/UL Standard 263, "Fire Tests of Building Construction and Materials" and CAN/ULC Standard S101 "Fire Endurance Tests of Building Construction and Materials".
- Full 180° pattern controller adjustment means there are no 'lefts or rights'.
- Available in 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500) nominal lengths to suit both imperial and metric ceiling systems.
- Choice of four slot widths.
- Choice of 1, 2, 3 or 4 parallel slots.
- Factory installed center tees on multi-slot models are standard. They are dropped slightly below the diffuser face to align flush with the ceiling grid.
- Pattern controller is split mid-way on units 36" (900) and longer, permitting a 2-way opposite blow pattern from a single slot.
- Return models available. See page E62.
- Units must be installed in accordance with the installation instructions for UL Classification.
- 212°F (100°C) fusible link is standard (165°F [74°C] is optional).

CONSTRUCTION MATERIAL:

- Corrosion-resistant steel plenum, extruded aluminum pattern controllers and factory supplied center tees.

FINISH OPTIONS:

- BK Black on pattern controllers and exposed surfaces. AW Appliance White finish on factory supplied T-Bars.

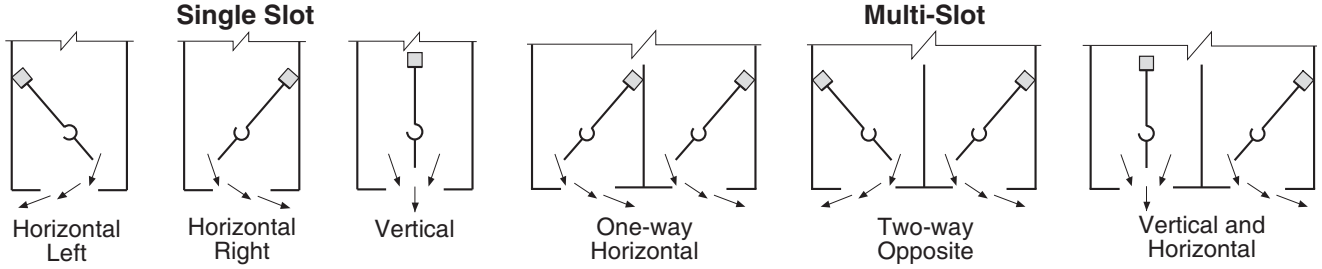
OPTIONS AND ACCESSORIES:

- Supplementary ceiling grid (T-Bar) member (UL Listed).
- T1 One (inlet side).
- T0 One (opposite inlet side).
- T2 Two (both sides).
- EX External foil back insulation.
- ID Inlet damper.

PERFORMANCE DATA:

- Non-fire rated Model Series 5700.

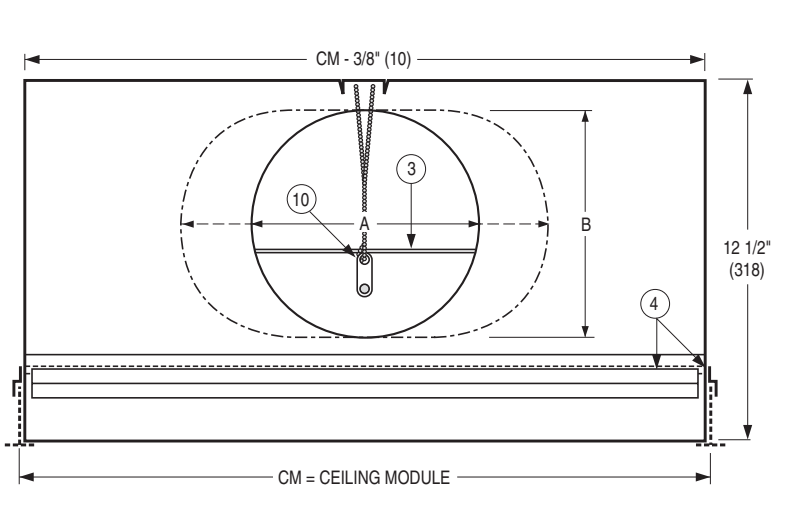
Air Patterns



DIMENSIONAL DATA:

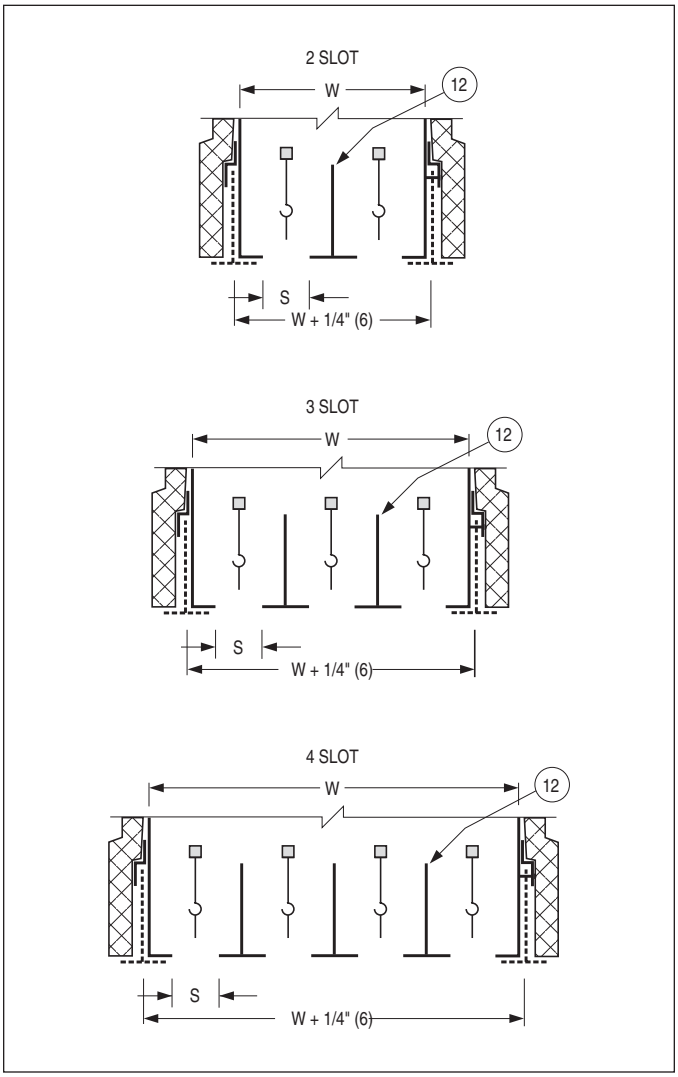
MODEL SERIES 5500WB

UNDERWRITER'S LABORATORIES, INC.®
CLASSIFIED AIR TERMINAL UNITS
LISTED FOR UP TO 3 HOURS
CATEGORY BZGU & BZGU7



ITEMS:

1. Fusible link damper support chain.
2. Diffuser casing.
3. Insulated, hinged damper blade.
4. Clip for ceiling grid member – 4 sides.
5. Existing grid member.
6. Supplementary ceiling grid member. UL Listed (optional or by others).
7. #8 screws for grid member attachment.
8. Thermal shroud.
9. Adjustable pattern controller.
10. UL Listed fusible link (replaceable).
11. Hanger wire at casing mid-point.
12. Intermediate grid bars (shown solid) supplied and installed by factory.



		S (Slot Width)			
		1/2" (13)	3/4" (19)	1" (25)	1 1/2" (38)
W (Width)	1 slot	1 1/2" (38)	1 3/4" (44)	2" (51)	2 1/2" (64)
	2 slot	3" (76)	3 1/2" (89)	4" (102)	5" (127)
	3 slot	4 1/2" (114)	5 1/4" (133)	6" (152)	7 1/2" (191)
	4 slot	6" (152)	7" (178)	8" (203)	N/A

	Nominal Inlet Size			
	6" (152) Round	8" (203) Round	10" (254) Oval	12" (305) Oval
A	5 7/8" (149)	7 7/8" (200)	11" (279)	14 1/8" (359)
B	–	–	7 7/8" (200)	7 7/8" (200)

HOW TO ORDER OR TO SPECIFY

FIRE RATED PLENUM SLOT DIFFUSERS – 'WIPER BLADE' PATTERN CONTROLLER MODELS 5550WB, 5575WB, 5510WB, 5515WB

EXAMPLE: 5515WB - 48 - 2 SLOT - 08 - AW - 212 - ID - EX - T1

1. **Models**
   5550WB • Supply, 1/2" (13) Slot Width
   5575WB • Supply, 3/4" (19) Slot Width
   5510WB • Supply, 1" (25) Slot Width
   5515WB • Supply, 1 1/2" (38) Slot Width
2. **Nominal Length**
   Imperial
   inches (mm)
   20", 24", 30", 36", 48", 60"
   (508, 610, 762, 914, 1219, 1524)
   Metric
   mm
   500, 600, 750, 900, 1200, 1500
3. **No. of Slots**
   1 through 4
4. **Inlet Size**
   Imperial
   05 5" (127) Round
   06 6" (152) Round
   07 7" (178) Round
   08 8" (203) Round
   09 9" (229) Flat Oval
   10 10" (254) Flat Oval
   12 12" (305) Flat Oval
5. **Finish**
   AW Appliance White (default)
   AL Aluminum
   BW British White
6. **Fusible Link Temperature**
   212 212°F (100°C) (default)
   165 165°F (74°C)
7. **Damper**
   ID Inlet Balancing Damper with Hand Locking Quadrant
8. **External Insulation**
   EX External Foil-Back Insulation, installed – R-4.2
9. **Supplementary T-Bars**
   T0 One - Opposite Inlet
   T1 One Inlet Side
   T2 Both Sides

Note:

1. Consult individual model as to limitations of length, width and neck size combinations.

SUGGESTED SPECIFICATION:

Furnish and install **Nailor Model** (select one or more) **5500WB, 5575WB, 5510WB** or **5515WB Fire Rated Plenum Slot Diffusers 'Wiper Blade'** of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser plenums shall be constructed from corrosion-resistant steel and pattern controllers shall be extruded aluminum. The direction of airflow is adjustable through a full 180° from the face of the diffuser. Factory installed center tees shall be supplied as standard on multi-slot models. (Optional: Supplementary ceiling grid [T-Bar] members shall be supplied as an option for inlet side, opposite inlet side or both sides). The finish shall be Black on pattern controllers and exposed surfaces. AW Appliance White finish shall be applied on factory supplied T-Bars. Diffusers shall be UL/ULC Classified fire rated ceiling diffuser assemblies as listed in the UL/ULC Fire Resistance (Certifications) Directory. Diffusers shall be tested in accordance with UL Standard 263 (field assembled diffusers with ceiling dampers tested to UL Standard 555C are not acceptable) and meet all of the requirements of NFPA 90A. Diffusers shall be classified for use in restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling with up to a 3 hour rating.

FIRE RATED PLENUM SLOT DIFFUSERS

- ADJUSTABLE 'ICE TONG' PATTERN CONTROLLERS
- 3 HOUR RATING
- LAY-IN

CLASSIFIED C UL US

CATEGORY
BZGU & BZGU7

Model 5575T

Models:

5550T 1/2" (13) Slot Width
5575T 3/4" (19) Slot Width
5510T 1" (25) Slot Width

Model Series 5500T is a UL Classified Fire Rated "Air Terminal Unit" listed in Underwriters Laboratories Fire Resistance Directory. This design meets UL time-vs-temperature test criteria and NFPA 90A requirements.

All diffusers are classified for use in UL/ULC restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling (lay-in T-Bar) with up to a 3 hour rating. For details of fire rated assemblies, see the current UL or ULC Fire Resistance Directory.

The 5500T Series features the same 'ice tong' pattern controller as used in the 5000 Series Linear Slot Diffuser, providing total flexibility in all applications. The direction of airflow is adjustable through a full 180° from the face of the diffuser and pattern controllers may also be adjusted for volume control.

In the horizontal discharge setting, the coanda effect is maximized and a tight blanket of air is projected across the ceiling. The horizontal pattern is maintained throughout a wide range of cataloged air volumes from maximum to minimum flow and the 5500T Series therefore provides excellent performance in variable air volume applications.

STANDARD FEATURES:

- Tested in accordance with ANSI/UL Standard 263, "Fire Tests of Building Construction and Materials" and CAN/ULC Standard S101 "Fire Endurance Tests of Building Construction and Materials".
- Full 180° pattern controller adjustment means there are no 'lefts or rights'. Pattern controllers also permit volume control.
- Available in 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500) nominal lengths to suit both imperial and metric ceiling systems.
- Choice of three slot widths.
- Choice of 1, 2, 3 or 4 parallel slots.
- Factory installed center tees on multi-slot models are standard. They are dropped slightly below the diffuser face to align flush with the ceiling grid.
- Pattern controller is split mid-way on units 48" (1200) and longer, permitting a 2-way opposite blow pattern from a single slot.
- Return models are available. See page E62.
- Units must be installed in accordance with the installation instructions for UL Classification.
- 212°F (100°C) fusible link is standard (165°F [74°C] is optional).

CONSTRUCTION MATERIAL:

- Corrosion-resistant steel plenum and pattern controllers. Aluminum center tees.

FINISH OPTIONS:

- BK Black on pattern controllers and exposed surfaces. AW Appliance White finish on center tees.

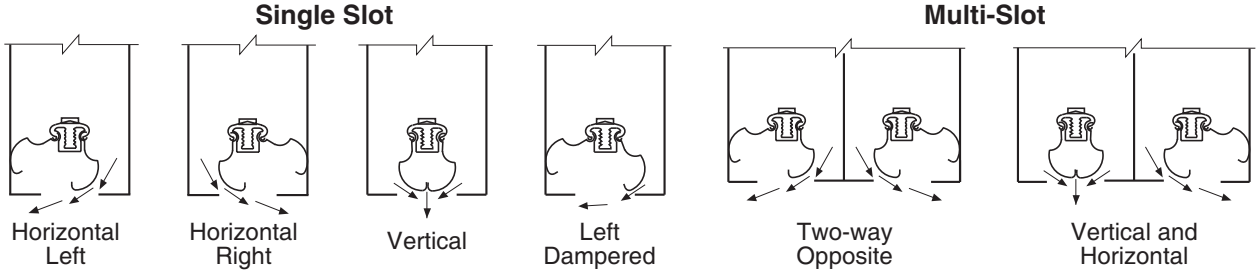
OPTIONS AND ACCESSORIES:

- Supplementary ceiling grid (T-Bar) member (UL Listed).
- T1 One (inlet side).
- T0 One (opposite inlet side).
- T2 Two (both sides).
- EX External foil back insulation.
- ID Inlet damper.

PERFORMANCE DATA:

- See non-fire rated Model Series 5800.

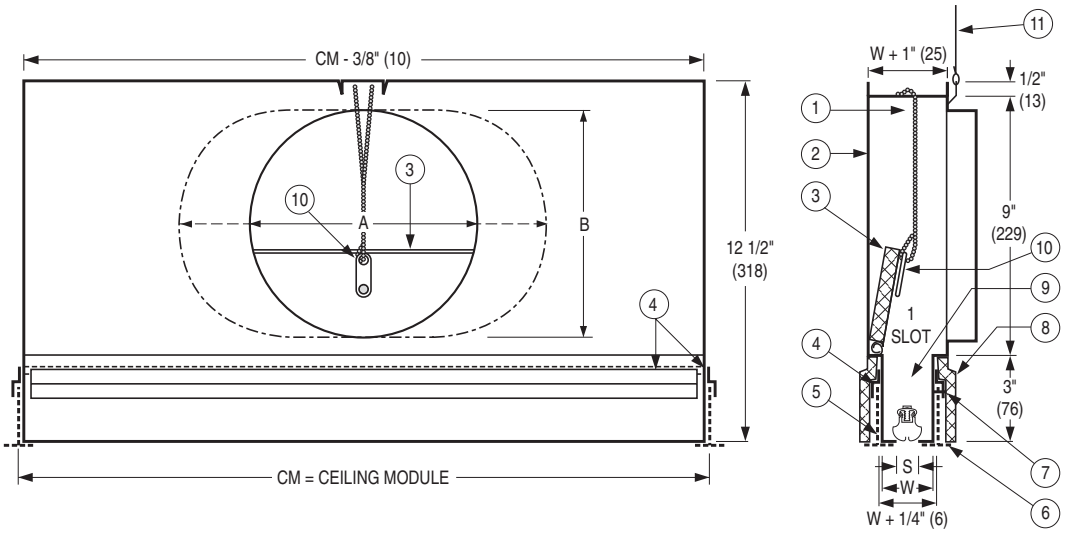
Air Patterns



DIMENSIONAL DATA:

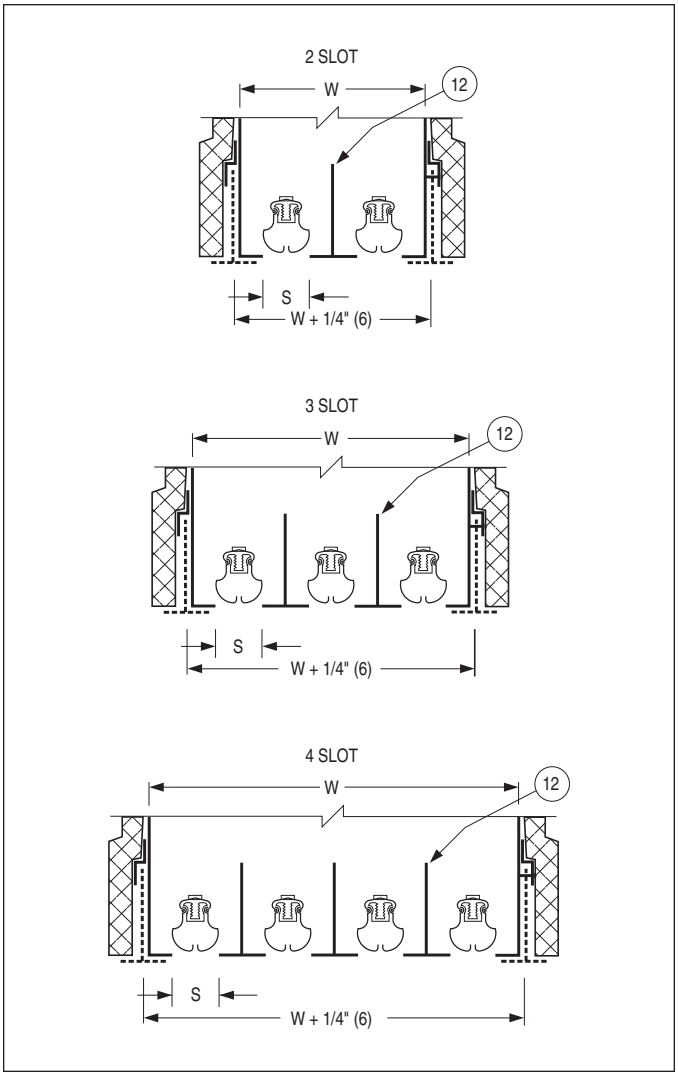
MODEL SERIES 5500T

UNDERWRITER'S LABORATORIES, INC.®
CLASSIFIED AIR TERMINAL UNITS
LISTED FOR UP TO 3 HOURS
CATEGORY BZGU & BZGU7



ITEMS:

1. Fusible link damper support chain.
2. Diffuser casing.
3. Insulated, hinged damper blade.
4. Clip for ceiling grid member – 4 sides.
5. Existing grid member.
6. Supplementary ceiling grid member. UL Listed (optional or by others).
7. #8 screws for grid member attachment.
8. Thermal shroud.
9. Adjustable pattern controller.
10. UL Listed fusible link (replaceable).
11. Hanger wire at casing mid-point.
12. Intermediate grid bars (shown solid) supplied and installed by factory.



		S (Slot Width)		
		1/2" (13)	3/4" (19)	1" (25)
W (Width)	1 slot	1 1/2" (38)	1 3/4" (44)	2" (51)
	2 slot	3" (76)	3 1/2" (89)	4" (102)
	3 slot	4 1/2" (114)	5 1/4" (133)	6" (152)
	4 slot	6" (152)	7" (178)	8" (203)

	Nominal Inlet Size			
	6" (152) Round	8" (203) Round	10" (254) Oval	12" (305) Oval
A	5 7/8" (149)	7 7/8" (200)	11" (279)	14 1/8" (359)
B	–	–	7 7/8" (200)	7 7/8" (200)

HOW TO ORDER OR TO SPECIFY

FIRE RATED PLENUM SLOT DIFFUSERS – ADJUSTABLE 'ICE TONG' PATTERN CONTROLLER MODELS 5550T, 5575T, 5510T

EXAMPLE: 5550T - 48" - 2 SLOT - 08 - AW - 212 - ID - EX - T1

1. **Models**
   - 5550T Supply, 1/2" (13) Slot Width
   - 5575T Supply, 3/4" (19) Slot Width
   - 5510T Supply, 1" (25) Slot Width
2. **Nominal Length**
   - **Imperial**
   - inches (mm)
   - 20", 24", 30", 36", 48", 60"
   - (508, 610, 762, 914, 1219, 1524)
   - **Metric**
   - mm
   - 500, 600, 750, 900, 1200, 1500
3. **No. of Slots**
   - 1 through 4
4. **Inlet Size**
   - **Imperial**
   - 05 5" (127) Round
   - 06 6" (152) Round
   - 07 7" (178) Round
   - 08 8" (203) Round
   - 09 9" (229) Flat Oval
   - 10 10" (254) Flat Oval
   - 12 12" (305) Flat Oval
5. **Finish**
   - AW Appliance White (default)
   - AL Aluminum
   - BW British White
6. **Fusible Link Temperature**
   - 212 212°F (100°C) (default)
   - 165 165°F (74°C)
7. **Damper**
   - ID Inlet Balancing Damper with Hand Locking Quadrant
8. **External Insulation**
   - EX External Foil-Back Insulation, installed – R-4.2
9. **Supplementary T-Bars**
   - T0 One - Opposite Inlet
   - T1 One Inlet Side
   - T2 Both Sides

Note:

1. Consult individual model as to limitations of length, width and neck size combinations.

SUGGESTED SPECIFICATION:

Furnish and install **Nailor Model** (select one or more) **5500T, 5575T** or **5510T Fire Rated Plenum Slot Diffusers with 'Ice Tong' Pattern Controllers** of the sizes and capacities as shown on the plans and air distribution schedules. The diffuser plenum and pattern controllers shall be constructed from corrosion-resistant steel. The direction of airflow is adjustable through a full 180° from the face of the diffuser and pattern controllers may be adjusted for volume control. Factory installed center tees shall be supplied as standard on multi-slot models. The diffuser plenum shall include an integral hinged ceiling damper that is suspended out of the airstream. (Optional: Supplementary ceiling grid [T-Bar] members shall be supplied as an option for inlet side, opposite inlet side or both sides). The finish shall be Black on pattern controllers and exposed surfaces. AW Appliance White finish shall be applied on factory supplied T-Bars. Diffusers shall be UL/ULC Classified fire rated ceiling diffuser assemblies as listed in the UL/ULC Fire Resistance (Certifications) Directory. Diffusers shall be tested in accordance with UL Standard 263 (field assembled diffusers with ceiling dampers tested to UL Standard 555C are not acceptable) and meet all of the requirements of NFPA 90A. Diffusers shall be classified for use in restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling with up to a 3 hour rating.

FIRE RATED PLENUM SLOT DIFFUSERS

- SUPPLY MODEL INCLUDES CURVED BLADE 'FLIP FLOP' PATTERN CONTROLLER
- 3 HOUR RATING
- LAY-IN

CLASSIFIED C UL US

CATEGORY
BZGU & BZGU7

Supply Models:

5575 3/4" (19) Slot Width

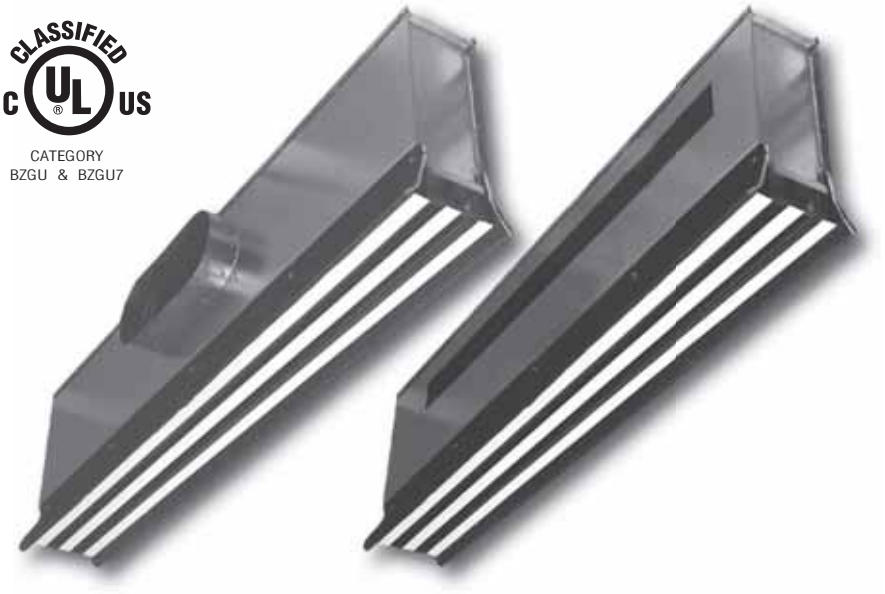
Return Models:

5550R 1/2" (13) Slot Width

5575R 3/4" (19) Slot Width

5510R 1" (25) Slot Width

5515R 1 1/2" (38) Slot Width



Models 5575 and 5575R

Model Series 5500 is a UL Classified Fire Rated "Air Terminal Unit" listed in Underwriters Laboratories Fire Resistance Directory. This design meets UL time-vs-temperature test criteria and NFPA 90A requirements.

All diffusers are classified for use in UL/ULC restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling (lay-in T-Bar) with up to a 3 hour rating. For details of fire rated assemblies, see the current UL or ULC Fire Resistance Directory.

Model 5575 features a roll-formed curved blade pattern controller in each slot. Aerodynamically designed to produce a fixed horizontal discharge pattern, the controller is pivoted at either end and may be simply rotated with fingers from the diffuser face for either a left or right discharge direction. In the horizontal discharge setting, the coanda effect is maximized and a tight blanket of air is projected across the ceiling. The horizontal pattern is maintained throughout a wide range of cataloged air volumes from maximum to minimum flow and the 5500 Series therefore provides excellent performance in variable air volume applications.

STANDARD FEATURES:

- Tested in accordance with ANSI/UL Standard 263, "Fire Tests of Building Construction and Materials" and CAN/ULC Standard S101 "Fire Endurance Tests of Building Construction and Materials".
- Simple 'Flip Flop' pattern controller adjustment, from face of diffuser for left or right blow pattern.
- Available in 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500) nominal lengths to suit both imperial and metric ceiling systems.
- Choice of 1, 2, 3 or 4 parallel slots.
- Return models are same design, but omit pattern controllers. See page E46.
- Factory installed center tees on multi-slot models are standard.
- Blades are shipped locked. They may be set for left or right airflow pattern after installation.
- Units must be installed in accordance with the installation instructions for UL Classification.
- 212°F (100°C) fusible link is standard (165°F [74°C] is optional).

CONSTRUCTION MATERIAL:

- Corrosion-resistant steel.

FINISH OPTIONS:

- BK Black on pattern controllers and exposed surfaces. AW Appliance White finish on center tees.

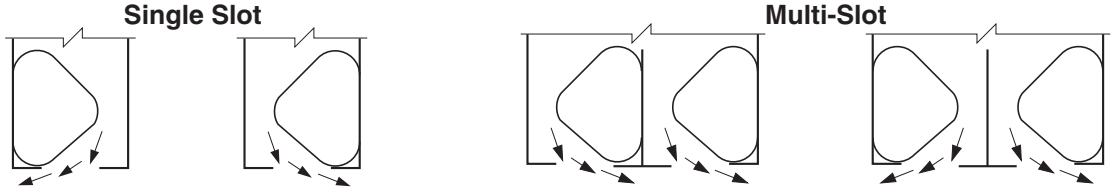
OPTIONS AND ACCESSORIES:

- Supplementary ceiling grid (T-Bar) member (UL Listed).
- T1 One (inlet side).
- T0 One (opposite inlet side).
- T2 Two (both sides).
- EX External foil back insulation.
- ID Inlet damper.

PERFORMANCE DATA:

- See non-fire rated Model 5675.

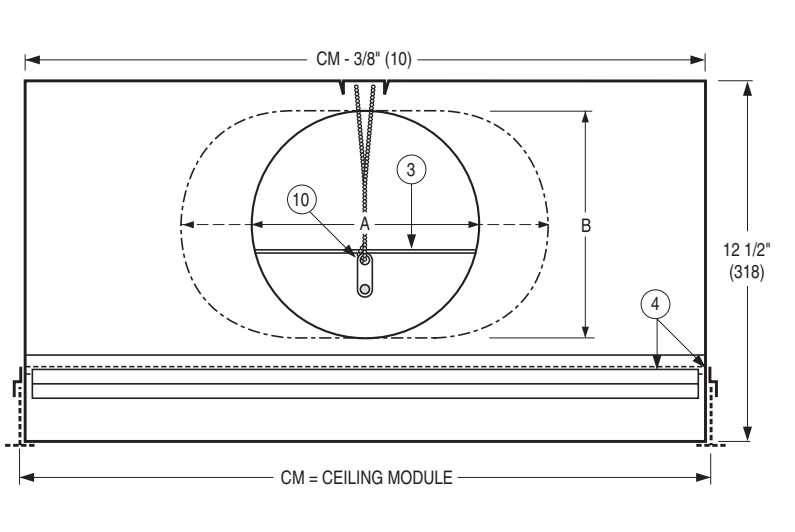
Model 5575 Supply Air Patterns:



DIMENSIONAL DATA:

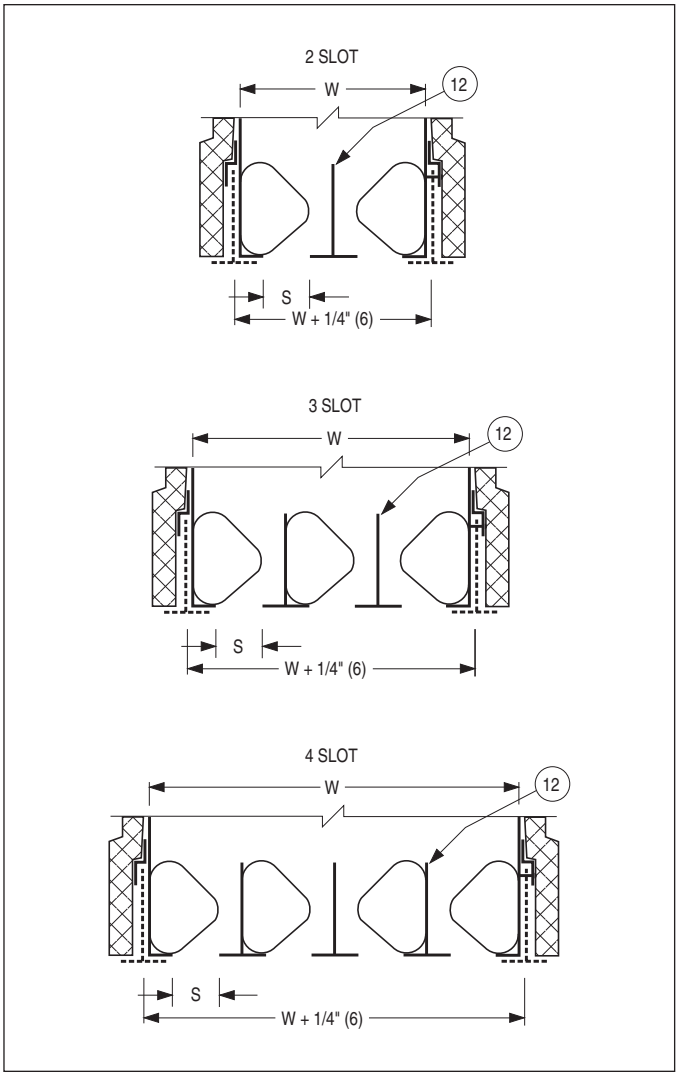
MODEL 5575

UNDERWRITER'S LABORATORIES, INC.®
CLASSIFIED AIR TERMINAL UNITS
LISTED FOR UP TO 3 HOURS
CATEGORY BZGU & BZGU7



ITEMS:

1. Fusible link damper support chain.
2. Diffuser casing.
3. Insulated, hinged damper blade.
4. Clip for ceiling grid member – 4 sides.
5. Existing grid member.
6. Supplementary ceiling grid member. UL Listed (optional or by others).
7. #8 screws for grid member attachment.
8. Thermal shroud.
9. Adjustable pattern controller. The position can be as shown or rotated 180° to opposite position.
10. UL Listed fusible link (replaceable).
11. Hanger wire at casing mid-point.
12. Intermediate grid bars (shown solid) supplied and installed by factory.



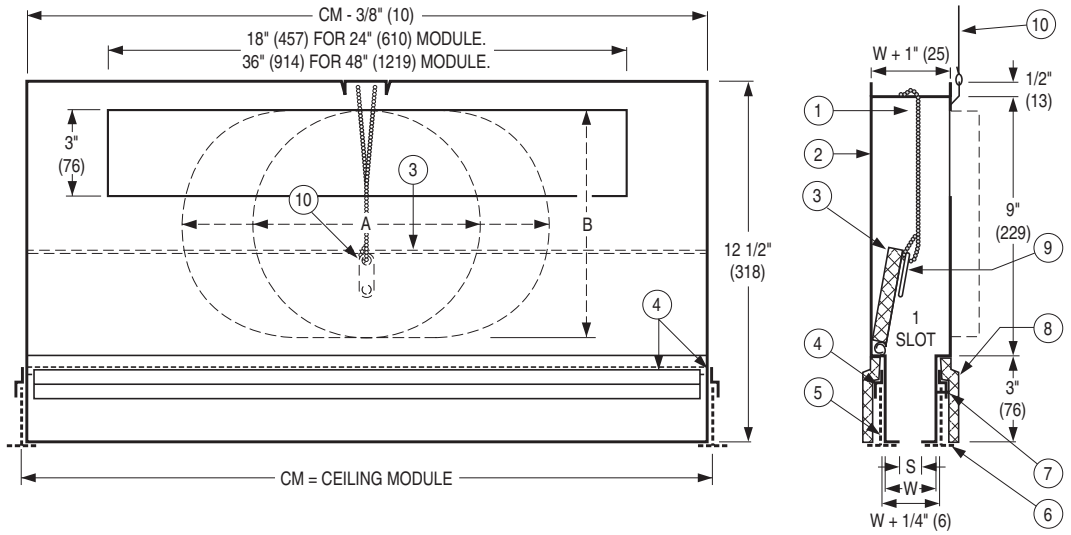
		S = 3/4" (19)
W (Width)	1 slot	1 11/16" (43)
	2 slot	3 3/8" (86)
	3 slot	5 1/16" (129)
	4 slot	6 3/4" (171)

	Nominal Inlet Size			
	6" (152) Round	8" (203) Round	10" (254) Oval	12" (305) Oval
A	5 7/8" (149)	7 7/8" (200)	11" (279)	14 1/8" (359)
B	–	–	7 7/8" (200)	7 7/8" (200)

DIMENSIONAL DATA:

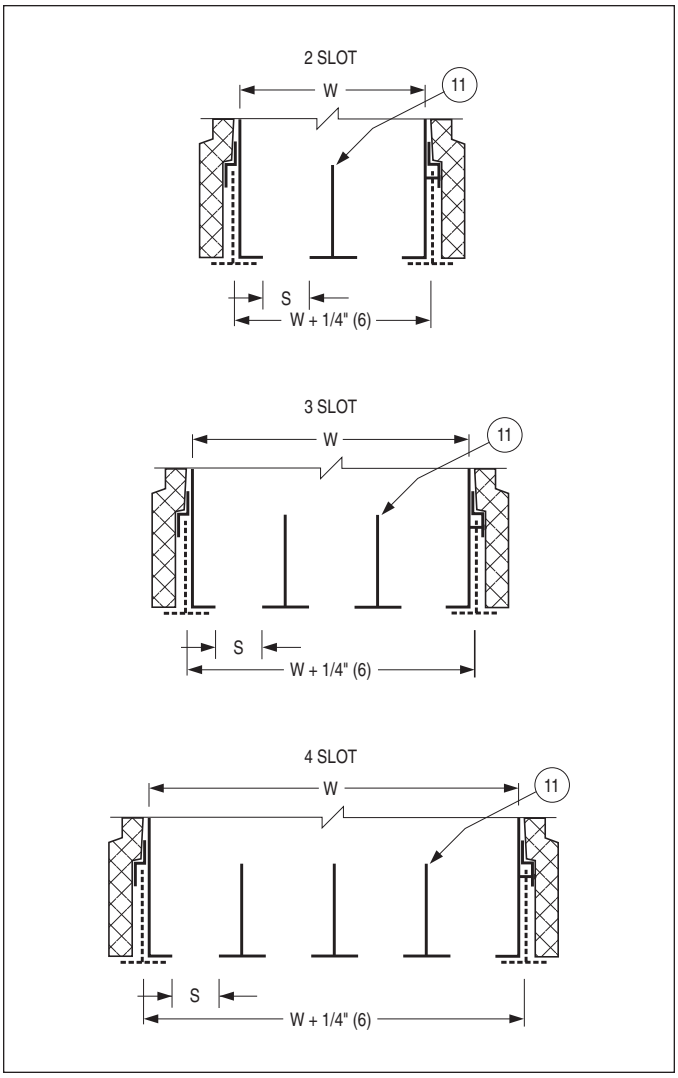
MODELS 5550R, 5575R, 5510R, 5515R • FIRE RATED PLENUM SLOT RETURN • DUCTLESS OPENING OR INLET OPTION

UNDERWRITER'S LABORATORIES, INC.®
CLASSIFIED AIR TERMINAL UNITS
LISTED FOR UP TO 3 HOURS
CATEGORY BZGU & BZGU7



ITEMS:

1. Fusible link damper support chain.
2. Diffuser casing.
3. Insulated, hinged damper blade.
4. Clip for ceiling grid member – 4 sides.
5. Existing grid member.
6. Supplementary ceiling grid member. UL Listed (optional or by others).
7. #8 screws for grid member attachment.
8. Thermal shroud.
9. UL Listed fusible link (replaceable).
10. Hanger wire at casing mid-point.
11. Intermediate grid bars (shown solid) supplied and installed by factory.



		S (Slot Width)			
		1/2" (13)	3/4" (19)	1" (25)	1 1/2" (38)
W (Width)	1 slot	1 1/2" (38)	1 3/4" (44)	2" (51)	2 1/2" (64)
	2 slot	3" (76)	3 1/2" (89)	4" (102)	5" (127)
	3 slot	4 1/2" (114)	5 1/4" (133)	6" (152)	7 1/2" (191)
	4 slot	6" (152)	7" (178)	8" (203)	N/A

	Nominal Inlet Size			
	6" (152) Round	8" (203) Round	10" (254) Oval	12" (305) Oval
A	5 7/8" (149)	7 7/8" (200)	11" (279)	14 1/8" (359)
B	–	–	7 7/8" (200)	7 7/8" (200)

HOW TO ORDER OR TO SPECIFY

FIRE RATED PLENUM SLOT DIFFUSERS – 'FLIP FLOP' CONTROLLER
MODEL 5575

EXAMPLE: 5575 - 48" - 2 SLOT - 08 - AW - 212 - ID - EX - T1

1. **Models**
   5575 Supply, 3/4" (19) Slot Width
2. **Nominal Length**
   Imperial
   inches (mm)
   20", 24", 30", 36", 48", 60"
   (508, 610, 762, 914, 1219, 1524)
   Metric
   mm
   500, 600, 750, 900, 1200, 1500
3. **No. of Slots**
   1 through 4
4. **Inlet Size**
   Imperial
   05 5" (127) Round
   06 6" (152) Round
   07 7" (178) Round
   08 8" (203) Round
   09 9" (229) Flat Oval
   10 10" (254) Flat Oval
   12 12" (305) Flat Oval
5. **Finish**
   AW Appliance White (default)
   AL Aluminum
   BW British White
6. **Fusible Link Temperature**
   212 212°F (100°C) (default)
   165 165°F (74°C)
7. **Damper**
   ID Inlet Balancing Damper with Hand Locking Quadrant
8. **External Insulation**
   EX External Foil-Back Insulation, installed – R-4.2
9. **Supplementary T-Bars**
   T0 One - Opposite Inlet
   T1 One Inlet Side
   T2 Both Sides

Note:

1. Consult individual model as to limitations of length, width and neck size combinations.

SUGGESTED SPECIFICATION:

Furnish and install **Nailor Model 5575 Fire Rated Plenum Slot Supply Diffusers with 'Flip Flop' Pattern Controllers** of the sizes and capacities as shown on the plans and air distribution schedules. The diffusers shall be constructed from corrosion-resistant steel and the 'Flip-Flop' pattern controllers adjust from the face of the diffuser in a left or right discharge direction. Factory installed center tees shall be supplied as standard on multi-slot models. (Optional: Supplementary ceiling grid [T-Bar] members shall be supplied as an option for inlet side, opposite inlet side or both sides). The finish shall be Black on pattern controllers and exposed surfaces. AW Appliance White finish shall be applied on factory supplied T-Bars. Diffusers shall be UL/ULC Classified fire rated ceiling diffuser assemblies as listed in the UL/ULC Fire Resistance (Certifications) Directory. Diffusers shall be tested in accordance with UL Standard 263 (field assembled diffusers with ceiling dampers tested to UL Standard 555C are not acceptable) and meet all of the requirements of NFPA 90A. Diffusers shall be classified for use in restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling with up to a 3 hour rating.

HOW TO ORDER OR TO SPECIFY

FIRE RATED PLENUM SLOT RETURN DIFFUSERS
MODELS 5550R, 5575R, 5510R, 5515R

EXAMPLE: 5510R - 48" - 2 SLOT - 08 - AW - 212 - EX - T1

1. **Models**
   5550R Return, 1/2" (13) Slot Width
   5575R Return, 3/4" (19) Slot Width
   5510R Return, 1" (25) Slot Width
   5515R Return, 1 1/2" (38) Slot Width
2. **Nominal Length**
   Imperial
   inches (mm)
   20", 24", 30", 36", 48", 60"
   (508, 610, 762, 914, 1219, 1524)
   Metric
   mm
   500, 600, 750, 900, 1200, 1500
3. **No. of Slots**
   1 through 4
4. **Inlet Size**
   Imperial
   05 5" (127) Round
   06 6" (152) Round
   07 7" (178) Round
   08 8" (203) Round
   09 9" (229) Flat Oval
   10 10" (254) Flat Oval
   12 12" (305) Flat Oval
5. **Finish**
   AW Appliance White (default)
   AL Aluminum
   BW British White
6. **Fusible Link Temperature**
   212 212°F (100°C) (default)
   165 165°F (74°C)
7. **External Insulation**
   EX External Foil-Back Insulation, installed – R-4.2
8. **Supplementary T-Bars**
   T0 One - Opposite Inlet
   T1 One Inlet Side
   T2 Both Sides

Note:

1. Consult individual model as to limitations of length, width and neck size combinations.

SUGGESTED SPECIFICATION:

Furnish and install **Nailor Model** (select one or more) **5500R, 5575R, 5510R** or **5515R Fire Rated Plenum Slot Return Diffusers** of the sizes and capacities as shown on the plans and air distribution schedules. The diffusers shall be constructed from corrosion-resistant steel and supplied with a rectangular opening as standard for ductless return applications (round/oval connections are an available option). Factory installed center tees shall be supplied as standard on multi-slot models. (Optional: Supplementary ceiling grid [T-Bar] members shall be supplied as an option for inlet side, opposite inlet side or both sides). Blades shall be shipped locked and may be set for left or right airflow pattern after installation. The finish shall be Black on exposed surfaces. AW Appliance White finish shall be applied on factory supplied T-Bars. Diffusers shall be UL/ULC Classified fire rated ceiling diffuser assemblies as listed in the UL/ULC Fire Resistance (Certifications) Directory. Diffusers shall be tested in accordance with UL Standard 263 (field assembled diffusers with ceiling dampers tested to UL Standard 555C are not acceptable) and meet all of the requirements of NFPA 90A. Diffusers shall be classified for use in restrained or unrestrained floor/ceiling and or roof/ceiling assemblies which incorporate an exposed grid suspended ceiling with up to a 3 hour rating.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	40	50	60	70	80	90	100
	Total Pressure	.032	.051	.073	.099	.130	.164	.202
	Static Pressure	.031	.048	.069	.093	.122	.154	.190
	Noise Criteria	–	–	19	24	29	32	36
	Throw	2-4-10	3-6-12	4-7-15	6-8-17	6-10-19	7-11-20	8-12-21
8" Round Inlet	Airflow, CFM	70	80	90	100	110	120	130
	Total Pressure	.073	.095	.121	.149	.180	.215	.252
	Static Pressure	.071	.093	.118	.146	.176	.210	.246
	Noise Criteria	19	23	27	30	34	36	39
	Throw	6-8-17	6-10-19	7-11-20	8-12-21	9-13-22	10-15-23	10-16-24
10" Round Inlet	Airflow, CFM	100	110	120	130	140	150	160
	Total Pressure	.124	.150	.179	.210	.243	.279	.317
	Static Pressure	.121	.147	.175	.205	.238	.273	.311
	Noise Criteria	27	30	33	36	38	40	42
	Throw	8-12-21	9-13-22	10-15-23	10-16-24	11-17-25	12-18-26	13-19-26

1 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	70	90	110	130	150	170	190
	Total Pressure	.040	.066	.099	.138	.184	.236	.295
	Static Pressure	.032	.054	.080	.112	.149	.191	.239
	Noise Criteria	–	18	24	30	34	38	42
	Throw	3-6-11	4-7-13	6-9-15	7-11-16	8-12-17	9-13-18	10-14-19
8" Round Inlet	Airflow, CFM	100	120	140	160	180	200	220
	Total Pressure	.054	.078	.106	.138	.175	.216	.262
	Static Pressure	.051	.073	.099	.130	.164	.203	.246
	Noise Criteria	15	20	25	30	33	37	40
	Throw	5-8-14	6-10-15	8-11-17	9-13-18	10-13-19	11-14-20	12-15-21
10" Oval Inlet	Airflow, CFM	140	160	180	200	220	240	260
	Total Pressure	.084	.109	.138	.171	.207	.246	.289
	Static Pressure	.079	.103	.130	.161	.194	.231	.271
	Noise Criteria	21	25	29	32	36	38	41
	Throw	8-11-17	9-13-18	10-13-19	11-14-20	12-15-21	13-15-22	13-26-23
12" Oval Inlet	Airflow, CFM	160	180	200	220	240	260	280
	Total Pressure	.091	.115	.142	.172	.204	.240	.278
	Static Pressure	.089	.113	.139	.168	.200	.235	.273
	Noise Criteria	22	26	29	33	35	38	40
	Throw	9-13-18	10-13-19	11-14-20	12-15-21	13-15-22	13-16-23	14-17-23

1 Slot • 60" (1524) Long

6" Round Inlet	Airflow, CFM	90	110	130	150	170	190	210
	Total Pressure	.050	.074	.104	.138	.177	.221	.270
	Static Pressure	.037	.056	.078	.104	.134	.167	.204
	Noise Criteria	–	20	25	30	34	38	41
	Throw	3-6-10	4-7-11	6-9-12	7-9-13	8-10-14	8-10-15	9-11-15
8" Round Inlet	Airflow, CFM	90	120	150	180	210	240	270
	Total Pressure	.032	.058	.090	.130	.176	.230	.292
	Static Pressure	.028	.050	.079	.114	.155	.202	.256
	Noise Criteria	–	16	23	29	34	38	42
	Throw	3-6-10	5-8-12	7-9-13	8-10-14	9-11-15	9-12-16	10-12-17
10" Oval Inlet	Airflow, CFM	120	150	180	210	240	270	300
	Total Pressure	.044	.069	.099	.135	.176	.223	.275
	Static Pressure	.040	.063	.091	.123	.161	.204	.252
	Noise Criteria	–	18	24	29	33	37	40
	Throw	5-8-12	7-9-13	8-10-14	9-11-15	9-12-16	10-12-17	11-13-18
12" Oval Inlet	Airflow, CFM	170	200	230	260	270	300	330
	Total Pressure	.074	.102	.135	.173	.187	.230	.279
	Static Pressure	.071	.099	.130	.167	.180	.222	.268
	Noise Criteria	19	24	29	32	34	37	40
	Throw	8-10-14	9-11-15	9-11-16	10-12-17	10-12-17	11-13-18	11-14-19

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**40**	**50**	**60**	**75**	**100**	**125**	**150**
	Total Pressure	.013	.020	.029	.045	.080	.125	.180
	Static Pressure	.010	.016	.023	.036	.064	.100	.144
	Noise Criteria	–	–	–	17	26	33	39
	Throw	1-2-5	1-3-8	2-5-12	4-8-15	7-10-20	8-13-23	10-15-26
8" Round Inlet	**Airflow, CFM**	**40**	**55**	**65**	**80**	**105**	**130**	**160**
	Total Pressure	.018	.034	.047	.071	.123	.188	.284
	Static Pressure	.012	.023	.032	.049	.084	.128	.194
	Noise Criteria	–	–	12	19	27	34	41
	Throw	2-5-12	5-8-16	6-10-17	8-12-19	11-16-22	13-17-24	16-19-27
10" Round Inlet	**Airflow, CFM**	**60**	**80**	**100**	**120**	**140**	**160**	**180**
	Total Pressure	.016	.028	.043	.062	.085	.111	.140
	Static Pressure	.015	.026	.040	.058	.079	.104	.131
	Noise Criteria	–	19	24	29	32	36	40
	Throw	6-7-16	7-8-18	8-10-20	9-12-22	10-14-24	11-16-26	12-18-28

2 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**60**	**90**	**120**	**150**	**180**	**210**	**240**
	Total Pressure	.014	.032	.057	.089	.129	.175	.229
	Static Pressure	.007	.016	.028	.045	.064	.087	.114
	Noise Criteria	–	–	15	23	28	36	40
	Throw	1-2-8	2-5-11	4-8-15	6-10-17	8-11-19	10-14-21	11-16-22
8" Round Inlet	**Airflow, CFM**	**70**	**105**	**140**	**175**	**210**	**245**	**280**
	Total Pressure	.011	.025	.044	.069	.099	.135	.177
	Static Pressure	.008	.019	.033	.052	.075	.103	.134
	Noise Criteria	–	–	16	23	29	34	39
	Throw	1-4-9	3-6-13	5-9-17	7-11-19	9-13-20	10-16-22	12-17-23
10" Oval Inlet	**Airflow, CFM**	**90**	**115**	**145**	**180**	**230**	**295**	**320**
	Total Pressure	.013	.021	.033	.052	.084	.138	.163
	Static Pressure	.011	.018	.029	.045	.073	.121	.142
	Noise Criteria	–	–	17	21	29	36	39
	Throw	2-5-11	4-7-14	5-9-17	8-11-19	10-15-21	12-17-24	14-18-25
12" Oval Inlet	**Airflow, CFM**	**100**	**140**	**180**	**220**	**260**	**300**	**340**
	Total Pressure	.012	.024	.040	.059	.083	.111	.142
	Static Pressure	.012	.023	.038	.057	.079	.105	.135
	Noise Criteria	–	18	23	27	31	35	40
	Throw	3-12-18	5-13-20	7-14-21	9-15-22	11-16-23	13-17-24	14-18-26

2 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**110**	**140**	**170**	**200**	**230**	**260**	**290**
	Total Pressure	.035	.056	.083	.115	.152	.194	.242
	Static Pressure	.017	.027	.040	.056	.074	.094	.117
	Noise Criteria	–	15	21	27	31	35	39
	Throw	2-5-11	3-7-13	5-9-14	7-10-15	8-11-16	9-12-17	10-13-18
8" Round Inlet	**Airflow, CFM**	**125**	**165**	**205**	**245**	**285**	**325**	**350**
	Total Pressure	.028	.048	.075	.107	.144	.188	.218
	Static Pressure	.018	.031	.048	.069	.094	.122	.141
	Noise Criteria	–	15	22	28	33	37	40
	Throw	3-6-12	5-8-14	7-11-15	8-12-17	10-13-18	11-14-19	11-14-20
10" Oval Inlet	**Airflow, CFM**	**150**	**190**	**230**	**270**	**310**	**350**	**390**
	Total Pressure	.028	.045	.065	.090	.119	.151	.188
	Static Pressure	.023	.036	.053	.073	.096	.123	.152
	Noise Criteria	–	17	23	28	32	36	40
	Throw	4-8-14	6-10-15	8-11-16	9-12-17	11-13-19	11-14-20	12-15-21
12" Oval Inlet	**Airflow, CFM**	**180**	**220**	**260**	**300**	**340**	**380**	**420**
	Total Pressure	.030	.045	.063	.084	.107	.134	.164
	Static Pressure	.027	.041	.057	.075	.097	.127	.148
	Noise Criteria	–	20	25	29	33	37	40
	Throw	7-10-15	8-11-16	9-12-17	10-13-18	11-14-20	12-15-21	13-15-22

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

3 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**50**	**75**	**100**	**125**	**150**	**175**	**200**
	Total Pressure	.013	.028	.050	.079	.114	.155	.202
	Static Pressure	.008	.019	.034	.052	.075	.103	.134
	Noise Criteria	–	–	16	23	29	34	39
	Throw	1-5-10	2-7-14	4-9-18	7-11-22	9-13-26	10-15-28	12-18-30
8" Round Inlet	**Airflow, CFM**	**65**	**80**	**100**	**125**	**160**	**200**	**255**
	Total Pressure	.013	.019	.030	.047	.077	.120	.195
	Static Pressure	.011	.016	.025	.039	.064	.100	.162
	Noise Criteria	–	–	15	20	27	34	40
	Throw	2-5-12	4-6-19	4-9-18	7-11-22	10-14-27	12-18-30	15-23-34
10" Round Inlet	**Airflow, CFM**	**80**	**110**	**140**	**170**	**200**	**230**	**260**
	Total Pressure	.016	.030	.049	.072	.100	.132	.168
	Static Pressure	.014	.026	.043	.063	.087	.115	.147
	Noise Criteria	–	17	22	27	32	37	40
	Throw	4-6-19	6-9-22	8-12-25	10-15-27	12-18-30	13-20-32	15-23-34

3 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**80**	**120**	**160**	**200**	**240**	**280**	**320**
	Total Pressure	.013	.030	.053	.083	.120	.163	.213
	Static Pressure	.004	.010	.017	.027	.038	.052	.068
	Noise Criteria	–	–	15	23	28	32	37
	Throw	1-2-9	2-5-13	4-9-17	6-11-20	9-13-22	10-15-23	12-16-24
8" Round Inlet	**Airflow, CFM**	**100**	**150**	**200**	**250**	**300**	**350**	**400**
	Total Pressure	.014	.031	.055	.087	.125	.170	.222
	Static Pressure	.009	.020	.035	.054	.078	.106	.139
	Noise Criteria	–	–	17	24	30	35	40
	Throw	1-5-14	3-8-16	6-11-20	9-14-22	11-16-24	13-19-26	14-20-28
10" Oval Inlet	**Airflow, CFM**	**115**	**145**	**185**	**230**	**295**	**370**	**470**
	Total Pressure	.012	.019	.031	.048	.079	.125	.201
	Static Pressure	.009	.015	.024	.037	.061	.096	.155
	Noise Criteria	–	–	–	20	27	34	40
	Throw	2-5-13	3-8-16	5-10-18	9-13-22	11-16-24	14-19-27	17-21-30
12" Oval Inlet	**Airflow, CFM**	**125**	**185**	**245**	**305**	**365**	**425**	**485**
	Total Pressure	.011	.025	.044	.068	.097	.131	.171
	Static Pressure	.010	.022	.038	.059	.084	.114	.148
	Noise Criteria	–	–	18	25	31	36	40
	Throw	4-7-16	7-10-19	9-13-22	11-16-25	13-19-27	15-20-29	17-22-31

3 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**125**	**175**	**225**	**275**	**325**	**350**	**375**
	Total Pressure	.025	.048	.079	.119	.166	.192	.221
	Static Pressure	.023	.045	.074	.111	.155	.180	.206
	Noise Criteria	–	15	21	28	34	37	41
	Throw	2-4-11	3-8-14	5-10-16	8-12-18	10-14-20	11-15-21	12-16-22
8" Round Inlet	**Airflow, CFM**	**175**	**225**	**275**	**325**	**375**	**425**	**475**
	Total Pressure	.033	.054	.081	.113	.151	.194	.242
	Static Pressure	.017	.028	.041	.058	.077	.099	.123
	Noise Criteria	–	16	22	28	32	36	40
	Throw	3-7-14	5-10-16	8-12-18	9-14-19	11-15-21	12-15-22	13-16-23
10" Oval Inlet	**Airflow, CFM**	**250**	**300**	**350**	**400**	**450**	**500**	**550**
	Total Pressure	.047	.068	.092	.120	.152	.188	.227
	Static Pressure	.033	.047	.064	.084	.106	.131	.159
	Noise Criteria	15	21	26	30	34	38	41
	Throw	6-11-17	9-13-18	10-14-20	12-15-21	13-16-23	14-17-24	14-18-25
12" Oval Inlet	**Airflow, CFM**	**275**	**325**	**375**	**425**	**475**	**525**	**575**
	Total Pressure	.042	.058	.077	.099	.124	.152	.182
	Static Pressure	.033	.046	.061	.079	.098	.120	.144
	Noise Criteria	16	21	26	30	33	37	40
	Throw	8-12-18	9-14-19	11-15-21	12-15-22	13-16-23	14-17-24	15-18-25

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5775(I) • 3/4" (19) SLOT WIDTH

4 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**60**	**90**	**120**	**150**	**180**	**210**	**240**
	Total Pressure	.013	.030	.053	.083	.119	.162	.212
	Static Pressure	.007	.016	.029	.046	.066	.089	.117
	Noise Criteria	–	–	15	23	28	33	38
	Throw	1-3-9	3-6-14	5-9-19	7-12-24	9-14-28	11-17-30	13-19-32
8" Round Inlet	**Airflow, CFM**	**80**	**100**	**125**	**155**	**195**	**250**	**315**
	Total Pressure	.014	.021	.033	.051	.081	.133	.211
	Static Pressure	.010	.016	.025	.039	.061	.101	.160
	Noise Criteria	–	–	–	20	27	34	40
	Throw	2-4-12	3-7-15	5-9-19	8-12-28	10-15-30	13-19-33	17-25-37
10" Round Inlet	**Airflow, CFM**	**110**	**150**	**190**	**230**	**270**	**310**	**350**
	Total Pressure	.020	.036	.058	.085	.118	.155	.198
	Static Pressure	.017	.033	.052	.076	.105	.139	.177
	Noise Criteria	–	18	24	29	34	38	42
	Throw	4-8-16	7-12-25	10-15-30	12-18-32	14-21-34	16-24-37	18-28-39

4 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**100**	**150**	**200**	**250**	**300**	**350**	**400**
	Total Pressure	.014	.031	.055	.087	.125	.170	.222
	Static Pressure	.013	.029	.051	.079	.114	.155	.203
	Noise Criteria	–	–	16	23	30	36	42
	Throw	1-2-10	2-5-14	4-10-19	7-12-22	10-14-25	13-16-28	16-19-31
8" Round Inlet	**Airflow, CFM**	**120**	**180**	**240**	**300**	**360**	**420**	**480**
	Total Pressure	.015	.033	.059	.093	.134	.182	.238
	Static Pressure	.006	.014	.025	.039	.057	.077	.101
	Noise Criteria	–	–	16	23	29	34	39
	Throw	1-5-12	3-8-17	6-11-22	10-14-24	11-17-27	13-20-29	15-22-31
10" Oval Inlet	**Airflow, CFM**	**145**	**180**	**225**	**290**	**360**	**450**	**580**
	Total Pressure	.014	.022	.034	.056	.087	.135	.225
	Static Pressure	.010	.015	.023	.038	.059	.093	.154
	Noise Criteria	–	–	–	20	27	34	40
	Throw	2-5-14	3-8-16	5-11-21	9-14-24	12-18-27	14-21-29	18-24-34
12" Oval Inlet	**Airflow, CFM**	**260**	**320**	**380**	**440**	**500**	**560**	**620**
	Total Pressure	.034	.051	.073	.097	.126	.158	.193
	Static Pressure	.027	.041	.057	.077	.099	.124	.152
	Noise Criteria	–	19	24	29	33	37	40
	Throw	8-12-23	10-15-25	12-18-27	14-21-29	16-22-31	18-23-33	20-25-35

4 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**180**	**220**	**260**	**300**	**340**	**380**	**420**
	Total Pressure	.039	.059	.082	.109	.140	.175	.214
	Static Pressure	.035	.053	.074	.098	.126	.157	.192
	Noise Criteria	.168	15	20	25	30	33	37
	Throw	2-5-14	3-8-16	5-10-17	7-12-19	8-14-21	9-16-23	10-18-25
8" Round Inlet	**Airflow, CFM**	**220**	**270**	**320**	**370**	**420**	**470**	**520**
	Total Pressure	.037	.056	.078	.104	.134	.168	.206
	Static Pressure	.011	.016	.023	.031	.040	.050	.061
	Noise Criteria	–	15	20	25	30	34	38
	Throw	3-8-16	5-10-17	7-12-19	9-14-20	11-15-22	13-16-23	15-17-25
10" Oval Inlet	**Airflow, CFM**	**310**	**370**	**430**	**490**	**550**	**610**	**670**
	Total Pressure	.050	.071	.096	.124	.156	.192	.232
	Static Pressure	.029	.041	.055	.072	.090	.111	.134
	Noise Criteria	15	21	26	30	34	37	40
	Throw	7-12-19	9-14-20	11-16-22	12-17-23	14-18-25	15-19-26	16-19-27
12" Oval Inlet	**Airflow, CFM**	**320**	**380**	**440**	**500**	**560**	**620**	**680**
	Total Pressure	.040	.056	.075	.097	.122	.150	.180
	Static Pressure	.029	.042	.056	.072	.090	.111	.133
	Noise Criteria	–	19	24	28	31	35	38
	Throw	7-12-19	10-14-21	11-16-22	13-17-24	14-18-25	15-19-26	16-20-28

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5710(I) • 1" (25) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**20**	**40**	**60**	**80**	**100**	**120**	**140**
	Total Pressure	.006	.025	.056	.099	.155	.223	.304
	Static Pressure	.005	.018	.041	.072	.113	.162	.221
	Noise Criteria	–	–	18	24	31	37	41
	Throw	1-2-8	5-7-13	7-10-16	10-13-19	12-15-21	13-16-23	14-17-25
8" Round Inlet	**Airflow, CFM**	**30**	**55**	**80**	**105**	**130**	**155**	**180**
	Total Pressure	.012	.039	.083	.144	.220	.313	.422
	Static Pressure	.011	.038	.080	.138	.211	.300	.404
	Noise Criteria	–	–	20	26	34	38	43
	Throw	3-6-11	7-10-16	10-13-19	12-16-22	13-16-23	14-17-25	16-19-28
10" Round Inlet	**Airflow, CFM**	**50**	**75**	**100**	**125**	**150**	**175**	**200**
	Total Pressure	.025	.057	.101	.158	.228	.311	.406
	Static Pressure	.025	.056	.099	.155	.222	.303	.396
	Noise Criteria	–	15	23	30	35	39	41
	Throw	6-8-14	9-12-18	12-15-21	13-16-23	14-17-25	16-19-28	18-21-30

1 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**50**	**75**	**100**	**125**	**150**	**175**	**200**
	Total Pressure	.016	.036	.064	.100	.143	.195	.255
	Static Pressure	.012	.027	.047	.074	.107	.145	.190
	Noise Criteria	–	–	19	26	32	36	40
	Throw	4-7-13	7-11-16	9-13-18	12-15-20	13-16-23	14-17-25	15-18-26
8" Round Inlet	**Airflow, CFM**	**70**	**100**	**130**	**160**	**190**	**220**	**250**
	Total Pressure	.021	.042	.072	.108	.153	.205	.265
	Static Pressure	.018	.037	.063	.095	.135	.180	.233
	Noise Criteria	–	15	22	28	33	36	41
	Throw	7-11-16	9-13-18	12-13-21	13-16-23	15-18-26	16-19-27	17-20-28
10" Oval Inlet	**Airflow, CFM**	**80**	**115**	**150**	**185**	**220**	**255**	**290**
	Total Pressure	.025	.051	.087	.132	.186	.250	.323
	Static Pressure	.023	.048	.082	.124	.176	.236	.305
	Noise Criteria	–	15	23	30	34	38	42
	Throw	8-12-17	12-14-20	13-16-23	14-17-25	16-19-27	17-20-28	18-22-31
12" Oval Inlet	**Airflow, CFM**	**110**	**150**	**190**	**230**	**270**	**310**	**350**
	Total Pressure	.037	.069	.110	.162	.223	.294	.372
	Static Pressure	.035	.066	.105	.154	.212	.280	.357
	Noise Criteria	–	17	22	29	33	37	40
	Throw	11-14-17	13-16-23	15-18-26	16-20-28	17-21-30	18-23-32	20-24-34

1 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**70**	**100**	**130**	**160**	**190**	**220**	**250**
	Total Pressure	.027	.054	.092	.139	.196	.263	.339
	Static Pressure	.019	.038	.064	.085	.138	.185	.238
	Noise Criteria	–	17	24	30	37	39	42
	Throw	5-8-13	6-11-16	10-13-18	11-14-20	12-15-22	13-16-23	14-17-25
8" Round Inlet	**Airflow, CFM**	**80**	**115**	**150**	**185**	**220**	**255**	**290**
	Total Pressure	.022	.045	.076	.116	.164	.221	.285
	Static Pressure	.018	.038	.065	.098	.139	.187	.242
	Noise Criteria	–	15	22	27	32	37	40
	Throw	6-9-13	9-12-16	11-13-19	12-15-21	13-16-23	14-17-25	15-19-26
10" Oval Inlet	**Airflow, CFM**	**110**	**150**	**190**	**230**	**270**	**310**	**350**
	Total Pressure	.033	.061	.098	.143	.197	.260	.331
	Static Pressure	.030	.055	.089	.130	.179	.236	.301
	Noise Criteria	–	18	25	30	35	38	42
	Throw	9-12-16	11-13-19	12-15-21	13-16-24	14-18-25	16-19-27	17-21-29
12" Oval Inlet	**Airflow, CFM**	**160**	**200**	**240**	**280**	**320**	**360**	**400**
	Total Pressure	.068	.107	.154	.209	.273	.346	.427
	Static Pressure	.065	.101	.146	.198	.259	.328	.405
	Noise Criteria	–	20	25	30	34	37	40
	Throw	11-14-19	13-16-22	14-17-24	15-18-26	16-19-28	17-21-30	18-22-32

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5710(I) • 1" (25) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**50**	**75**	**100**	**125**	**150**	**175**	**200**
	Total Pressure	.016	.036	.064	.100	.144	.196	.256
	Static Pressure	.012	.026	.046	.073	.105	.142	.186
	Noise Criteria	–	15	22	27	32	36	38
	Throw	2-6-13	6-10-19	9-13-21	11-17-24	14-19-26	16-20-28	18-21-30
8" Round Inlet	**Airflow, CFM**	**70**	**100**	**130**	**160**	**190**	**220**	**250**
	Total Pressure	.021	.043	.072	.109	.154	.207	.267
	Static Pressure	.018	.037	.063	.095	.135	.186	.233
	Noise Criteria	–	15	22	27	32	36	40
	Throw	5-9-18	9-13-21	11-17-24	14-19-26	16-20-28	18-21-30	19-23-32
10" Round Inlet	**Airflow, CFM**	**90**	**125**	**160**	**195**	**230**	**265**	**300**
	Total Pressure	.032	.061	.100	.149	.207	.274	.352
	Static Pressure	.030	.057	.094	.140	.194	.258	.330
	Noise Criteria	–	16	24	30	35	38	41
	Throw	8-12-19	11-16-23	14-19-26	16-20-28	18-22-30	20-24-32	22-25-33

2 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**80**	**115**	**150**	**185**	**220**	**255**	**290**
	Total Pressure	.025	.051	.086	.131	.185	.249	.322
	Static Pressure	.014	.029	.050	.076	.107	.144	.186
	Noise Criteria	–	–	16	23	29	35	40
	Throw	3-6-14	4-10-20	8-14-25	11-18-28	13-20-30	16-23-33	19-25-36
8" Round Inlet	**Airflow, CFM**	**85**	**110**	**140**	**175**	**220**	**285**	**360**
	Total Pressure	.019	.033	.053	.083	.131	.219	.349
	Static Pressure	.015	.025	.041	.064	.101	.170	.271
	Noise Criteria	–	–	–	15	22	29	37
	Throw	3-6-16	4-10-20	7-13-24	11-16-27	14-20-30	18-24-34	22-27-38
10" Oval Inlet	**Airflow, CFM**	**110**	**140**	**180**	**230**	**290**	**370**	**430**
	Total Pressure	.021	.033	.055	.090	.143	.233	.315
	Static Pressure	.018	.029	.048	.079	.126	.205	.276
	Noise Criteria	–	–	–	20	27	35	40
	Throw	4-10-21	7-13-25	11-18-28	14-22-32	19-25-36	24-29-40	25-31-43
12" Oval Inlet	**Airflow, CFM**	**110**	**140**	**180**	**225**	**285**	**365**	**465**
	Total Pressure	.016	.025	.042	.066	.105	.172	.280
	Static Pressure	.014	.023	.039	.060	.097	.159	.258
	Noise Criteria	–	–	–	16	23	31	39
	Throw	5-11-22	7-14-25	12-18-28	13-20-30	19-25-36	23-28-37	25-31-44

2 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**70**	**115**	**160**	**205**	**250**	**295**	**340**
	Total Pressure	.019	.050	.097	.159	.237	.329	.437
	Static Pressure	.010	.027	.052	.086	.127	.177	.235
	Noise Criteria	–	–	19	26	32	36	38
	Throw	3-5-12	6-9-17	9-12-19	11-16-22	14-18-25	15-19-27	16-20-28
8" Round Inlet	**Airflow, CFM**	**90**	**150**	**210**	**270**	**330**	**390**	**450**
	Total Pressure	.016	.044	.086	.142	.212	.297	.395
	Static Pressure	.011	.032	.062	.102	.153	.214	.284
	Noise Criteria	–	–	15	23	30	35	40
	Throw	4-7-15	8-12-19	12-16-23	15-18-26	16-20-28	18-22-31	19-23-33
10" Oval Inlet	**Airflow, CFM**	**160**	**225**	**290**	**355**	**420**	**485**	**550**
	Total Pressure	.031	.060	.100	.151	.211	.281	.361
	Static Pressure	.024	.048	.080	.120	.168	.224	.288
	Noise Criteria	–	15	22	29	34	39	43
	Throw	8-12-19	12-16-23	15-19-26	17-21-30	19-23-32	20-24-34	21-26-37
12" Oval Inlet	**Airflow, CFM**	**220**	**300**	**380**	**460**	**540**	**620**	**700**
	Total Pressure	.036	.066	.106	.155	.214	.282	.360
	Static Pressure	.029	.054	.087	.127	.175	.231	.294
	Noise Criteria	–	19	26	32	37	41	44
	Throw	12-16-23	15-19-26	18-22-31	19-23-33	21-25-36	22-27-38	24-29-41

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5710(I) • 1" (25) SLOT WIDTH

3 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**90**	**120**	**150**	**180**	**210**	**240**	**270**
	Total Pressure	.040	.071	.112	.161	.219	.286	.362
	Static Pressure	.028	.049	.077	.110	.150	.196	.248
	Noise Criteria	–	15	21	27	32	36	40
	Throw	4-8-15	6-10-20	8-12-24	10-14-28	12-18-30	14-20-32	15-21-34
8" Round Inlet	**Airflow, CFM**	**120**	**160**	**200**	**240**	**280**	**320**	**360**
	Total Pressure	.048	.073	.112	.154	.219	.277	.346
	Static Pressure	.036	.059	.087	.121	.165	.210	.278
	Noise Criteria	–	15	21	27	31	36	40
	Throw	5-9-18	8-13-24	10-16-30	12-19-32	14-22-35	17-25-37	19-27-40
10" Round Inlet	**Airflow, CFM**	**160**	**210**	**260**	**310**	**360**	**410**	**460**
	Total Pressure	.042	.072	.111	.158	.212	.276	.347
	Static Pressure	.037	.064	.098	.140	.189	.245	.308
	Noise Criteria	–	15	22	28	32	36	40
	Throw	8-12-25	10-16-29	12-20-33	14-24-37	16-28-40	18-30-42	22-32-45

3 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**80**	**120**	**160**	**200**	**240**	**280**	**320**
	Total Pressure	.016	.037	.066	.103	.148	.202	.264
	Static Pressure	.008	.018	.032	.050	.072	.098	.128
	Noise Criteria	–	–	16	23	29	34	38
	Throw	1-2-6	2-3-11	3-6-15	4-10-19	6-11-22	8-13-24	10-15-26
8" Round Inlet	**Airflow, CFM**	**175**	**225**	**275**	**325**	**375**	**425**	**475**
	Total Pressure	.042	.071	.114	.153	.208	.260	.323
	Static Pressure	.038	.045	.076	.099	.127	.166	.209
	Noise Criteria	–	15	21	27	31	35	40
	Throw	3-7-17	5-11-21	8-13-23	10-16-25	12-18-27	14-20-29	15-22-31
10" Oval Inlet	**Airflow, CFM**	**225**	**300**	**375**	**450**	**525**	**600**	**675**
	Total Pressure	.044	.078	.121	.175	.238	.310	.393
	Static Pressure	.033	.059	.092	.132	.180	.235	.298
	Noise Criteria	–	16	23	29	34	38	42
	Throw	5-11-21	10-14-24	12-18-27	14-21-30	17-23-32	19-24-34	21-26-36
12" Oval Inlet	**Airflow, CFM**	**280**	**360**	**440**	**520**	**600**	**680**	**760**
	Total Pressure	.046	.076	.114	.159	.211	.272	.339
	Static Pressure	.038	.062	.093	.130	.173	.222	.277
	Noise Criteria	–	15	21	27	31	35	40
	Throw	9-14-23	12-18-27	14-22-30	16-24-32	19-26-34	22-28-36	25-30-39

3 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**80**	**120**	**180**	**240**	**280**	**340**	**390**
	Total Pressure	.023	.051	.115	.204	.278	.410	.540
	Static Pressure	.012	.028	.063	.111	.152	.224	.294
	Noise Criteria	–	–	17	25	30	36	39
	Throw	2-3-11	4-9-17	8-13-21	11-16-24	13-18-26	16-20-29	17-22-31
8" Round Inlet	**Airflow, CFM**	**140**	**200**	**260**	**320**	**380**	**440**	**500**
	Total Pressure	.022	.045	.077	.116	.163	.219	.283
	Static Pressure	.012	.024	.041	.062	.088	.118	.152
	Noise Criteria	–	–	17	23	29	34	38
	Throw	4-7-15	6-9-19	9-12-22	11-15-25	14-18-28	17-20-31	20-23-34
10" Oval Inlet	**Airflow, CFM**	**200**	**280**	**360**	**440**	**520**	**600**	**680**
	Total Pressure	.028	.054	.090	.134	.188	.250	.321
	Static Pressure	.020	.038	.063	.095	.132	.176	.226
	Noise Criteria	–	–	18	25	30	35	39
	Throw	7-10-21	10-12-23	12-15-26	14-17-29	17-20-32	19-23-35	22-26-37
12" Oval Inlet	**Airflow, CFM**	**250**	**350**	**430**	**520**	**610**	**700**	**800**
	Total Pressure	.031	.061	.092	.135	.186	.245	.320
	Static Pressure	.025	.048	.073	.107	.147	.194	.253
	Noise Criteria	–	–	18	24	29	33	37
	Throw	11-17-25	16-21-29	19-23-32	21-25-36	22-27-39	24-29-41	25-31-44

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5710(I) • 1" (25) SLOT WIDTH

4 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**60**	**100**	**140**	**180**	**220**	**260**	**300**
	Total Pressure	.014	.039	.077	.127	.190	.265	.353
	Static Pressure	.008	.023	.045	.074	.111	.155	.207
	Noise Criteria	–	–	16	24	31	36	38
	Throw	2-3-12	2-5-14	4-10-20	7-13-25	10-15-31	12-18-34	13-20-35
8" Round Inlet	**Airflow, CFM**	**150**	**200**	**250**	**300**	**350**	**400**	**450**
	Total Pressure	.046	.081	.127	.183	.249	.326	.412
	Static Pressure	.034	.061	.095	.137	.187	.244	.309
	Noise Criteria	–	16	23	29	34	38	42
	Throw	5-10-20	8-13-27	11-17-32	13-20-35	15-23-38	17-26-40	19-29-43
10" Round Inlet	**Airflow, CFM**	**175**	**250**	**325**	**400**	**450**	**500**	**550**
	Total Pressure	.038	.078	.132	.199	.252	.311	.377
	Static Pressure	.032	.066	.111	.169	.213	.264	.319
	Noise Criteria	–	16	24	31	34	38	41
	Throw	7-12-24	12-18-33	16-25-39	19-28-42	21-31-44	23-33-47	26-35-49

4 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**140**	**170**	**200**	**230**	**260**	**290**	**320**
	Total Pressure	.053	.078	.108	.143	.182	.227	.276
	Static Pressure	.044	.066	.091	.120	.153	.191	.232
	Noise Criteria	–	–	20	24	28	31	35
	Throw	2-5-13	3-7-16	4-10-19	6-11-21	7-12-23	8-14-25	9-16-27
8" Round Inlet	**Airflow, CFM**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
	Total Pressure	.046	.073	.105	.142	.186	.235	.290
	Static Pressure	.025	.040	.057	.078	.102	.129	.159
	Noise Criteria	–	15	21	26	30	34	37
	Throw	3-7-17	5-10-21	7-13-24	9-15-26	11-17-28	13-19-30	15-21-32
10" Oval Inlet	**Airflow, CFM**	**250**	**330**	**410**	**490**	**570**	**650**	**730**
	Total Pressure	.041	.072	.111	.158	.214	.278	.351
	Static Pressure	.028	.048	.075	.107	.144	.188	.237
	Noise Criteria	–	15	22	28	33	37	40
	Throw	5-10-21	8-14-25	12-17-28	14-21-31	16-24-34	18-25-36	20-27-38
12" Oval Inlet	**Airflow, CFM**	**275**	**375**	**475**	**575**	**675**	**775**	**875**
	Total Pressure	.034	.063	.101	.148	.204	.269	.343
	Static Pressure	.025	.047	.075	.110	.152	.200	.255
	Noise Criteria	–	15	20	26	31	36	40
	Throw	7-13-25	12-17-28	14-21-32	17-24-34	20-26-37	22-28-39	24-30-42

4 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**100**	**160**	**200**	**265**	**315**	**370**	**425**
	Total Pressure	.020	.051	.080	.140	.198	.273	.360
	Static Pressure	.004	.009	.015	.026	.037	.051	.067
	Noise Criteria	–	–	17	26	29	34	38
	Throw	1-3-10	1-3-11	2-4-13	3-7-17	5-11-19	6-12-20	8-14-22
8" Round Inlet	**Airflow, CFM**	**200**	**250**	**300**	**350**	**400**	**450**	**500**
	Total Pressure	.036	.057	.082	.111	.145	.184	.227
	Static Pressure	.016	.025	.036	.048	.063	.080	.099
	Noise Criteria	–	–	18	23	27	30	33
	Throw	2-4-13	3-7-17	4-9-18	6-12-20	7-13-21	10-16-23	12-18-25
10" Oval Inlet	**Airflow, CFM**	**225**	**325**	**425**	**525**	**625**	**725**	**825**
	Total Pressure	.023	.049	.084	.128	.181	.243	.315
	Static Pressure	.015	.031	.053	.081	.114	.154	.199
	Noise Criteria	–	15	20	27	33	37	41
	Throw	2-5-16	6-12-20	9-15-22	12-17-24	14-19-26	16-21-28	18-23-30
12" Oval Inlet	**Airflow, CFM**	**300**	**400**	**500**	**600**	**700**	**800**	**900**
	Total Pressure	.032	.057	.089	.128	.174	.228	.288
	Static Pressure	.023	.041	.063	.091	.124	.162	.206
	Noise Criteria	–	–	18	24	29	34	37
	Throw	4-10-19	7-13-21	11-17-24	13-18-26	16-20-28	17-21-30	18-23-32

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5715(I) • 1 1/2" (38) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**30**	**50**	**70**	**90**	**110**	**130**	**150**
	Total Pressure	.014	.038	.075	.124	.185	.258	.344
	Static Pressure	.012	.034	.067	.111	.166	.232	.308
	Noise Criteria	–	–	–	22	28	33	38
	Throw	2-3-18	4-9-15	6-10-16	10-14-20	11-15-22	12-16-24	14-17-25
8" Round Inlet	**Airflow, CFM**	**50**	**70**	**90**	**110**	**130**	**150**	**170**
	Total Pressure	.028	.054	.089	.133	.186	.248	.318
	Static Pressure	.026	.051	.085	.127	.177	.236	.303
	Noise Criteria	–	16	17	23	29	33	37
	Throw	4-8-15	6-10-16	10-14-20	11-15-22	12-16-24	14-17-25	16-19-27
10" Round Inlet	**Airflow, CFM**	**70**	**90**	**110**	**130**	**150**	**170**	**190**
	Total Pressure	.040	.067	.100	.140	.186	.239	.298
	Static Pressure	.039	.065	.097	.133	.181	.232	.290
	Noise Criteria	–	15	20	26	30	34	38
	Throw	6-10-16	10-14-20	11-15-22	12-16-24	14-17-25	16-19-27	18-20-28

1 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**75**	**100**	**125**	**150**	**175**	**200**	**225**
	Total Pressure	.031	.055	.086	.124	.169	.220	.279
	Static Pressure	.022	.039	.061	.087	.119	.155	.196
	Noise Criteria	–	–	15	23	27	32	36
	Throw	3-6-15	5-11-20	8-13-21	10-15-24	12-18-25	14-20-28	15-21-29
8" Round Inlet	**Airflow, CFM**	**100**	**130**	**160**	**190**	**220**	**250**	**280**
	Total Pressure	.034	.057	.087	.122	.164	.211	.265
	Static Pressure	.029	.048	.073	.103	.139	.179	.224
	Noise Criteria	–	–	19	24	29	33	37
	Throw	5-11-20	9-13-22	10-16-24	13-19-27	15-21-29	17-22-32	18-25-35
10" Oval Inlet	**Airflow, CFM**	**120**	**150**	**180**	**210**	**240**	**270**	**300**
	Total Pressure	.035	.055	.080	.109	.142	.180	.222
	Static Pressure	.032	.051	.073	.099	.130	.164	.203
	Noise Criteria	–	–	19	24	28	32	35
	Throw	7-12-22	9-14-23	12-18-26	14-20-29	16-22-32	18-24-34	19-26-36
12" Oval Inlet	**Airflow, CFM**	**140**	**180**	**220**	**260**	**300**	**340**	**380**
	Total Pressure	.036	.059	.088	.123	.164	.211	.264
	Static Pressure	.034	.056	.083	.116	.155	.199	.249
	Noise Criteria	–	16	22	28	32	36	40
	Throw	9-14-23	12-18-26	14-20-29	18-24-34	19-26-36	20-27-38	21-28-40

1 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**100**	**130**	**160**	**190**	**220**	**250**	**280**
	Total Pressure	.044	.075	.113	.159	.214	.276	.346
	Static Pressure	.028	.047	.072	.101	.135	.175	.219
	Noise Criteria	–	–	20	25	30	32	38
	Throw	6-10-16	8-11-18	10-14-20	12-15-21	13-16-23	14-17-25	15-18-26
8" Round Inlet	**Airflow, CFM**	**125**	**160**	**195**	**230**	**265**	**300**	**335**
	Total Pressure	.041	.067	.099	.138	.183	.235	.293
	Static Pressure	.033	.054	.080	.111	.148	.189	.236
	Noise Criteria	–	–	20	25	30	34	38
	Throw	8-12-17	10-14-20	12-15-21	14-17-24	15-18-25	16-19-27	17-20-28
10" Oval Inlet	**Airflow, CFM**	**140**	**180**	**220**	**260**	**300**	**340**	**380**
	Total Pressure	.038	.063	.094	.131	.174	.224	.280
	Static Pressure	.033	.055	.082	.114	.152	.195	.244
	Noise Criteria	–	–	20	25	30	34	37
	Throw	10-13-18	12-15-21	13-16-23	15-17-25	16-19-27	17-20-28	18-21-30
12" Oval Inlet	**Airflow, CFM**	**180**	**230**	**280**	**330**	**380**	**430**	**480**
	Total Pressure	.047	.077	.114	.158	.210	.269	.335
	Static Pressure	.044	.071	.105	.146	.194	.248	.309
	Noise Criteria	–	18	24	30	34	38	42
	Throw	12-15-21	14-17-24	15-18-26	16-20-28	18-21-30	19-23-32	20-24-34

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5715(I) • 1 1/2" (38) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**60**	**90**	**120**	**150**	**180**	**210**	**240**
	Total Pressure	.021	.046	.082	.129	.185	.252	.330
	Static Pressure	.015	.033	.059	.092	.133	.181	.236
	Noise Criteria	–	–	15	23	28	33	38
	Throw	2-4-13	5-10-20	8-13-23	11-17-28	13-19-27	15-21-30	18-29-32
8" Round Inlet	**Airflow, CFM**	**90**	**125**	**160**	**195**	**230**	**265**	**300**
	Total Pressure	.029	.056	.091	.136	.189	.251	.322
	Static Pressure	.025	.048	.079	.117	.162	.215	.276
	Noise Criteria	–	–	19	25	30	35	39
	Throw	4-9-17	9-13-23	11-17-25	13-20-28	17-22-32	19-25-34	23-29-38
10" Round Inlet	**Airflow, CFM**	**125**	**160**	**195**	**230**	**265**	**300**	**335**
	Total Pressure	.053	.087	.129	.179	.238	.305	.381
	Static Pressure	.050	.081	.121	.168	.223	.286	.357
	Noise Criteria	–	16	21	26	31	35	39
	Throw	9-13-23	11-17-25	13-20-28	17-22-32	19-25-34	23-29-38	24-30-40

2 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**110**	**150**	**190**	**230**	**270**	**310**	**350**
	Total Pressure	.043	.081	.129	.190	.261	.345	.439
	Static Pressure	.024	.044	.071	.104	.143	.189	.241
	Noise Criteria	–	–	16	22	27	31	36
	Throw	3-7-17	4-9-21	8-14-28	11-18-31	13-20-33	16-23-36	18-27-38
8" Round Inlet	**Airflow, CFM**	**180**	**225**	**270**	**315**	**360**	**405**	**450**
	Total Pressure	.060	.093	.135	.183	.239	.303	.374
	Static Pressure	.045	.070	.101	.137	.179	.226	.280
	Noise Criteria	–	–	20	26	29	34	37
	Throw	7-13-27	11-18-31	13-20-33	16-23-36	19-28-39	20-28-40	23-30-42
10" Oval Inlet	**Airflow, CFM**	**230**	**280**	**330**	**380**	**430**	**480**	**530**
	Total Pressure	.064	.095	.132	.175	.224	.280	.341
	Static Pressure	.051	.076	.106	.140	.180	.224	.273
	Noise Criteria	–	17	22	27	31	34	37
	Throw	11-18-31	14-21-34	17-26-38	19-28-39	21-29-41	24-31-43	26-32-45
12" Oval Inlet	**Airflow, CFM**	**220**	**280**	**340**	**400**	**460**	**520**	**580**
	Total Pressure	.039	.063	.093	.128	.170	.217	.270
	Static Pressure	.032	.052	.077	.107	.141	.180	.224
	Noise Criteria	–	–	20	25	29	33	37
	Throw	9-16-30	14-21-34	17-26-38	20-28-40	23-30-42	26-32-45	29-34-48

2 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**135**	**180**	**225**	**270**	**315**	**360**	**405**
	Total Pressure	.060	.107	.167	.241	.328	.428	.542
	Static Pressure	.031	.055	.085	.123	.167	.219	.277
	Noise Criteria	–	–	17	23	28	33	40
	Throw	3-7-17	4-8-20	7-13-27	11-17-30	12-19-32	14-22-35	17-26-38
8" Round Inlet	**Airflow, CFM**	**175**	**230**	**285**	**340**	**395**	**450**	**505**
	Total Pressure	.050	.086	.132	.188	.254	.329	.415
	Static Pressure	.034	.059	.090	.128	.173	.225	.283
	Noise Criteria	–	–	18	23	27	32	36
	Throw	3-7-20	7-13-27	11-18-31	13-20-33	16-23-36	19-28-39	20-29-41
10" Oval Inlet	**Airflow, CFM**	**215**	**280**	**345**	**410**	**475**	**540**	**585**
	Total Pressure	.051	.087	.131	.185	.249	.322	.378
	Static Pressure	.040	.068	.103	.145	.195	.252	.296
	Noise Criteria	–	–	19	25	29	33	36
	Throw	7-14-28	11-18-31	14-21-34	17-26-38	19-28-39	21-29-41	23-30-42
12" Oval Inlet	**Airflow, CFM**	**295**	**350**	**425**	**500**	**575**	**650**	**725**
	Total Pressure	.054	.075	.111	.154	.203	.260	.323
	Static Pressure	.045	.063	.093	.128	.170	.217	.270
	Noise Criteria	–	15	22	27	32	35	39
	Throw	9-16-30	14-21-34	17-26-38	20-28-40	23-30-42	26-32-45	27-33-46

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5715(I) • 1 1/2" (38) SLOT WIDTH

3 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**110**	**140**	**170**	**200**	**230**	**260**	**290**
	Total Pressure	.043	.070	.103	.143	.189	.242	.301
	Static Pressure	.025	.041	.061	.084	.111	.142	.176
	Noise Criteria	–	15	21	26	31	35	40
	Throw	2-5-15	4-9-19	6-11-23	8-13-27	10-15-31	12-17-34	14-19-37
8" Round Inlet	**Airflow, CFM**	**150**	**200**	**250**	**300**	**350**	**400**	**450**
	Total Pressure	.042	.074	.115	.166	.226	.295	.374
	Static Pressure	.029	.052	.081	.116	.158	.206	.261
	Noise Criteria	–	15	22	28	33	37	41
	Throw	4-10-20	7-13-23	10-16-26	13-19-30	16-22-33	19-25-36	22-28-39
10" Round Inlet	**Airflow, CFM**	**225**	**275**	**325**	**375**	**425**	**475**	**525**
	Total Pressure	.057	.086	.120	.159	.204	.255	.312
	Static Pressure	.046	.068	.095	.127	.163	.204	.249
	Noise Criteria	–	17	23	28	32	36	40
	Throw	9-15-30	12-18-33	15-21-36	18-27-42	21-31-45	23-34-48	26-38-51

3 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**120**	**150**	**180**	**210**	**240**	**270**	**300**
	Total Pressure	.030	.047	.068	.092	.120	.152	.188
	Static Pressure	.024	.038	.055	.075	.098	.124	.153
	Noise Criteria	–	–	–	20	24	28	36
	Throw	3-5-16	4-8-20	6-13-25	8-14-26	10-16-28	13-19-31	14-20-32
8" Round Inlet	**Airflow, CFM**	**180**	**235**	**290**	**345**	**400**	**455**	**510**
	Total Pressure	.046	.078	.118	.167	.225	.291	.366
	Static Pressure	.029	.049	.075	.106	.143	.185	.232
	Noise Criteria	–	–	18	24	28	33	36
	Throw	6-11-23	11-15-28	14-19-31	18-23-35	19-25-38	22-27-40	29-29-41
10" Oval Inlet	**Airflow, CFM**	**270**	**330**	**390**	**450**	**510**	**570**	**630**
	Total Pressure	.045	.067	.094	.125	.160	.200	.244
	Static Pressure	.030	.044	.062	.082	.106	.132	.161
	Noise Criteria	–	–	19	23	27	31	35
	Throw	14-21-34	16-24-36	19-27-37	22-28-38	24-29-41	26-31-44	27-32-46
12" Oval Inlet	**Airflow, CFM**	**275**	**350**	**425**	**500**	**575**	**650**	**725**
	Total Pressure	.030	.048	.070	.098	.129	.165	.205
	Static Pressure	.022	.035	.052	.072	.096	.122	.152
	Noise Criteria	–	–	15	20	25	29	32
	Throw	14-21-34	18-23-35	21-27-37	24-29-41	26-31-44	27-33-46	28-35-48

3 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**170**	**200**	**230**	**260**	**290**	**320**	**350**
	Total Pressure	.053	.073	.096	.123	.153	.186	.223
	Static Pressure	.040	.055	.073	.094	.117	.142	.170
	Noise Criteria	–	15	21	25	30	35	40
	Throw	1-3-10	3-5-12	5-7-14	7-9-16	9-11-18	11-13-20	13-15-22
8" Round Inlet	**Airflow, CFM**	**230**	**280**	**330**	**380**	**430**	**480**	**530**
	Total Pressure	.046	.068	.095	.125	.161	.200	.244
	Static Pressure	.034	.051	.071	.094	.120	.149	.182
	Noise Criteria	–	15	20	24	28	32	36
	Throw	2-5-15	3-7-18	4-10-19	6-12-21	7-14-22	9-15-23	11-16-24
10" Oval Inlet	**Airflow, CFM**	**300**	**375**	**450**	**525**	**600**	**675**	**750**
	Total Pressure	.046	.072	.104	.141	.184	.233	.288
	Static Pressure	.034	.053	.076	.104	.136	.072	.212
	Noise Criteria	–	16	21	26	31	34	38
	Throw	4-8-18	6-12-21	8-14-23	11-17-24	13-18-26	14-19-28	16-21-29
12" Oval Inlet	**Airflow, CFM**	**375**	**475**	**575**	**675**	**775**	**875**	**975**
	Total Pressure	.046	.074	.108	.149	.197	.251	.312
	Static Pressure	.034	.054	.079	.109	.143	.183	.227
	Noise Criteria	–	15	21	26	31	36	40
	Throw	6-13-21	9-15-23	12-18-25	14-19-28	16-21-30	18-22-31	19-23-33

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5700

MODEL: 5715(I) • 1 1/2" (38) SLOT WIDTH

4 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**120**	**150**	**180**	**210**	**240**	**270**	**300**
	Total Pressure	.041	.064	.093	.126	.165	.209	.258
	Static Pressure	.018	.028	.040	.055	.072	.091	.112
	Noise Criteria	–	15	20	26	31	35	39
	Throw	2-4-14	3-7-18	4-10-21	6-12-25	8-14-28	10-16-33	12-17-37
8" Round Inlet	**Airflow, CFM**	**175**	**225**	**275**	**325**	**375**	**425**	**475**
	Total Pressure	.044	.073	.109	.152	.203	.260	.325
	Static Pressure	.032	.052	.078	.109	.145	.186	.232
	Noise Criteria	–	15	21	27	31	35	40
	Throw	4-9-21	7-13-27	10-16-33	13-19-38	15-22-40	17-25-43	19-28-45
10" Oval Inlet	**Airflow, CFM**	**225**	**300**	**375**	**450**	**525**	**600**	**675**
	Total Pressure	.044	.078	.121	.175	.238	.310	.393
	Static Pressure	.033	.059	.092	.133	.181	.236	.299
	Noise Criteria	–	16	23	29	34	38	42
	Throw	7-13-27	12-18-36	15-22-40	18-27-44	21-31-48	24-36-51	27-38-54

4 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**160**	**200**	**240**	**280**	**320**	**360**	**400**
	Total Pressure	.036	.056	.080	.109	.143	.181	.223
	Static Pressure	.029	.045	.065	.089	.116	.147	.181
	Noise Criteria	–	15	21	26	31	36	41
	Throw	1-2-10	2-4-14	3-5-17	4-7-19	5-8-22	6-9-25	7-10-28
8" Round Inlet	**Airflow, CFM**	**230**	**290**	**350**	**410**	**470**	**530**	**590**
	Total Pressure	.042	.067	.097	.133	.175	.223	.276
	Static Pressure	.031	.049	.071	.098	.128	.163	.202
	Noise Criteria	–	15	21	27	32	36	40
	Throw	2-5-16	4-8-20	5-12-24	7-14-28	9-16-30	13-19-30	15-21-32
10" Oval Inlet	**Airflow, CFM**	**320**	**400**	**480**	**560**	**640**	**720**	**800**
	Total Pressure	.045	.071	.102	.139	.182	.230	.284
	Static Pressure	.038	.060	.086	.117	.153	.194	.239
	Noise Criteria	–	16	22	27	31	36	40
	Throw	4-10-22	7-14-28	10-17-31	13-20-33	15-22-35	17-25-38	19-28-40
12" Oval Inlet	**Airflow, CFM**	**400**	**500**	**600**	**700**	**800**	**900**	**1000**
	Total Pressure	.051	.080	.115	.156	.204	.258	.318
	Static Pressure	.038	.060	.086	.117	.153	.193	.239
	Noise Criteria	–	16	22	27	32	36	40
	Throw	7-14-28	10-17-31	14-21-34	16-24-37	19-28-40	21-30-42	23-31-44

4 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**210**	**240**	**270**	**300**	**330**	**360**	**390**
	Total Pressure	.060	.078	.099	.122	.148	.176	.206
	Static Pressure	.049	.064	.080	.099	.120	.143	.168
	Noise Criteria	15	18	22	25	26	31	33
	Throw	1-3-11	2-3-13	2-4-15	3-5-17	4-6-19	5-7-21	6-8-22
8" Round Inlet	**Airflow, CFM**	**320**	**370**	**420**	**470**	**520**	**570**	**620**
	Total Pressure	.066	.089	.114	.143	.175	.211	.249
	Static Pressure	.054	.072	.093	.116	.142	.171	.202
	Noise Criteria	15	21	24	28	32	34	37
	Throw	3-6-18	4-9-21	5-11-22	6-13-23	7-15-24	8-17-25	9-19-27
10" Oval Inlet	**Airflow, CFM**	**340**	**420**	**500**	**580**	**660**	**740**	**820**
	Total Pressure	.044	.067	.095	.128	.166	.208	.256
	Static Pressure	.037	.056	.079	.107	.138	.173	.213
	Noise Criteria	–	15	20	25	30	34	39
	Throw	3-7-19	5-11-22	7-14-24	9-16-26	12-18-27	14-20-29	16-22-31
12" Oval Inlet	**Airflow, CFM**	**525**	**625**	**725**	**825**	**925**	**1025**	**1125**
	Total Pressure	.067	.095	.128	.165	.208	.255	.307
	Static Pressure	.063	.090	.120	.156	.196	.241	.290
	Noise Criteria	15	20	25	29	33	36	40
	Throw	7-15-24	10-17-27	13-20-29	15-22-30	17-23-32	19-24-34	21-25-36

See page C62 for performance data notes.

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5850(I) • 1/2" (13) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
	Total Pressure	.014	.031	.055	.087	.125	.170	.221	.280
	Noise Criteria	–	–	20	26	30	34	38	40
	Throw	1-1-6	1-3-7	3-6-9	4-7-9	5-7-10	6-7-10	7-8-12	7-9-13

1 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**35**	**50**	**65**	**80**	**95**	**110**	**125**	**140**
	Total Pressure	.011	.022	.037	.055	.078	.105	.135	.170
	Noise Criteria	–	16	22	27	31	34	37	40
	Throw	1-2-7	2-3-9	2-5-10	4-8-12	6-9-13	7-10-14	7-10-15	7-11-15
8" Round Inlet	**Airflow, CFM**	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.024	.041	.063	.088	.118	.153	.191	.235
	Noise Criteria	–	18	23	27	30	33	36	39
	Throw	2-3-9	2-5-10	4-8-12	6-9-13	7-10-14	7-10-15	7-11-15	8-11-16

1 Slot • 60" (1524) Long

6" Round Inlet	**Airflow, CFM**	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.020	.034	.052	.074	.099	.128	.160	.196
	Noise Criteria	–	17	23	27	31	34	37	39
	Throw	1-3-8	1-4-9	2-4-10	3-6-11	4-8-12	6-10-13	7-10-14	8-11-16
8" Round Inlet	**Airflow, CFM**	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.023	.039	.059	.083	.111	.143	.180	.221
	Noise Criteria	–	–	19	23	27	31	34	36
	Throw	1-3-8	1-4-9	2-4-10	3-6-11	4-8-12	6-10-13	7-10-14	8-11-16

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.013	.033
2	.025	.066
3	.036	.099
4	.041	.132

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5850(I) • 1/2" (13) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	35	50	65	80	95	110	125	140
	Total Pressure	.017	.034	.058	.088	.124	.166	.214	.269
	Noise Criteria	–	15	21	26	31	34	37	40
	Throw	1-3-7	2-5-8	3-7-9	5-8-11	6-8-12	7-9-13	8-10-14	8-10-15

2 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	60	80	100	120	140	160	180	200
	Total Pressure	.020	.036	.057	.082	.111	.145	.184	.227
	Noise Criteria	–	16	21	25	29	33	35	38
	Throw	1-3-09	2-4-11	3-6-12	4-8-13	5-9-14	6-10-15	7-11-16	8-13-17
8" Round Inlet	Airflow, CFM	80	100	120	140	160	180	200	220
	Total Pressure	.024	.037	.053	.072	.095	.120	.148	.179
	Noise Criteria	–	18	22	26	29	32	35	37
	Throw	2-4-11	3-6-12	4-8-13	5-9-14	6-10-15	7-11-16	8-13-17	9-13-19
10" Oval Inlet	Airflow, CFM	100	120	140	160	180	200	220	240
	Total Pressure	.043	.063	.085	.111	.141	.174	.210	.250
	Noise Criteria	15	19	23	26	29	32	34	36
	Throw	3-6-12	4-8-13	5-9-14	6-10-15	7-11-16	8-13-17	9-13-19	10-14-20

2 Slot • 60" (1524) Long

8" Round Inlet	Airflow, CFM	120	140	160	180	200	220	240	260
	Total Pressure	.058	.078	.102	.130	.160	.194	.230	.270
	Noise Criteria	18	22	25	28	31	33	35	37
	Throw	2-5-10	4-7-12	4-8-13	5-9-14	6-10-15	7-11-16	7-12-16	8-13-17
10" Oval Inlet	Airflow, CFM	140	160	180	200	220	240	260	280
	Total Pressure	.053	.069	.087	.107	.130	.155	.182	.211
	Noise Criteria	19	22	25	28	30	32	34	36
	Throw	4-7-12	4-8-13	5-9-14	6-10-15	7-11-16	7-12-16	8-13-17	8-13-19

3 Slot • 60" (1524) Long

6" Round Inlet	Airflow, CFM	90	110	130	150	170	190	210	230
	Total Pressure	.040	.060	.080	.100	.130	.170	.200	.240
	Noise Criteria	–	16	21	26	30	34	37	40
	Throw	1-2-6	1-3-7	2-4-8	2-5-9	3-5-11	4-6-12	4-7-13	5-7-14
8" Round Inlet	Airflow, CFM	140	170	200	230	260	290	320	350
	Total Pressure	.040	.060	.080	.110	.140	.170	.210	.250
	Noise Criteria	–	16	22	26	30	34	37	40
	Throw	2-4-9	3-5-11	4-6-13	5-7-14	5-8-16	6-9-18	7-10-20	7-11-21

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.013	.033
2	.025	.066
3	.036	.099
4	.041	.132

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
	Total Pressure	.011	.025	.044	.069	.100	.136	.177	.224
	Noise Criteria	–	–	18	24	28	32	35	38
	Throw	1-2-4	1-3-6	2-4-7	3-6-9	5-7-10	6-7-10	7-8-11	7-9-12
8" Round Inlet	**Airflow, CFM**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
	Total Pressure	.031	.055	.087	.125	.170	.221	.280	.346
	Noise Criteria	–	16	21	25	29	31	34	37
	Throw	1-3-6	2-4-7	3-6-9	5-7-10	6-7-10	7-8-11	7-9-12	8-10-13
10" Oval Inlet	**Airflow, CFM**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
	Total Pressure	.071	.111	.160	.218	.284	.360	.444	.538
	Noise Criteria	–	16	21	25	28	31	34	36
	Throw	2-4-7	3-6-9	5-7-10	6-7-10	7-8-11	7-9-12	8-10-13	8-10-14

1 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**35**	**50**	**65**	**80**	**95**	**110**	**125**	**140**
	Total Pressure	.003	.019	.033	.044	.070	.093	.121	.151
	Noise Criteria	–	15	20	25	28	31	34	37
	Throw	1-2-4	2-4-7	3-5-8	4-6-11	5-7-12	6-9-13	6-10-13	7-11-14
8" Round Inlet	**Airflow, CFM**	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.016	.028	.042	.059	.080	.103	.129	.158
	Noise Criteria	–	16	21	25	28	30	33	36
	Throw	2-4-7	3-5-8	4-6-11	5-7-12	6-9-13	6-10-13	7-11-14	7-11-15
10" Oval Inlet	**Airflow, CFM**	**65**	**80**	**95**	**110**	**125**	**140**	**155**	**170**
	Total Pressure	.031	.047	.066	.088	.114	.143	.175	.211
	Noise Criteria	–	18	22	26	29	31	33	36
	Throw	3-5-8	4-6-11	5-7-12	6-9-13	6-10-13	7-11-14	7-11-15	8-12-16
12" Oval Inlet	**Airflow, CFM**	**80**	**95**	**110**	**125**	**140**	**155**	**170**	**185**
	Total Pressure	.052	.079	.099	.128	.160	.196	.236	.279
	Noise Criteria	–	18	21	24	27	29	32	34
	Throw	4-6-11	5-7-12	6-9-13	6-10-13	7-11-14	7-11-15	8-12-16	8-13-18

1 Slot • 60" (1524) Long

8" Round Inlet	**Airflow, CFM**	**80**	**95**	**110**	**125**	**140**	**155**	**170**	**185**
	Total Pressure	.032	.045	.060	.077	.097	.119	.143	.169
	Noise Criteria	17	21	25	28	31	33	35	37
	Throw	3-5-8	4-6-10	5-7-11	5-8-12	6-9-14	7-10-15	7-11-16	8-12-17
10" Oval Inlet	**Airflow, CFM**	**95**	**110**	**125**	**140**	**155**	**170**	**185**	**200**
	Total Pressure	.041	.055	.071	.089	.109	.131	.155	.181
	Noise Criteria	19	22	25	28	30	32	34	36
	Throw	4-6-10	5-7-11	5-8-12	6-9-14	7-10-15	7-11-16	8-12-17	8-13-18
12" Oval Inlet	**Airflow, CFM**	**110**	**125**	**140**	**155**	**170**	**185**	**200**	**215**
	Total Pressure	.055	.071	.089	.109	.131	.155	.181	.209
	Noise Criteria	19	22	24	27	29	31	33	35
	Throw	5-7-11	5-8-12	6-9-14	7-10-15	7-11-16	8-12-17	8-13-18	9-14-19

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.013	.033
2	.025	.066
3	.036	.099
4	.041	.132

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.022	.037	.055	.078	.105	.135	.170	.208
	Noise Criteria	–	19	24	28	32	35	38	41
	Throw	1-3-8	2-5-9	3-7-10	5-9-12	6-9-13	7-10-14	8-10-15	8-11-17
8" Round Inlet	Airflow, CFM	**65**	**80**	**95**	**110**	**125**	**140**	**155**	**170**
	Total Pressure	.029	.044	.063	.084	.108	.136	.166	.200
	Noise Criteria	16	21	25	28	31	34	37	40
	Throw	2-5-9	3-7-10	5-9-12	6-9-13	7-10-14	8-10-15	8-11-17	9-11-19
10" Oval Inlet	Airflow, CFM	**80**	**95**	**110**	**125**	**140**	**155**	**170**	**185**
	Total Pressure	.049	.070	.093	.121	.151	.185	.223	.264
	Noise Criteria	15	21	25	29	32	35	38	40
	Throw	3-7-10	5-9-12	6-9-13	7-10-14	8-10-15	8-11-17	9-11-19	10-12-20

2 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**
	Total Pressure	.018	.032	.049	.071	.097	.126	.160	.198
	Noise Criteria	–	–	19	23	27	30	33	36
	Throw	1-4-10	2-5-12	2-6-13	3-6-13	4-7-14	4-10-14	5-11-16	6-12-17
8" Round Inlet	Airflow, CFM	**80**	**100**	**120**	**140**	**160**	**180**	**200**	**220**
	Total Pressure	.018	.028	.040	.054	.071	.090	.111	.134
	Noise Criteria	–	15	19	23	27	30	33	36
	Throw	2-5-12	2-6-13	3-6-13	4-7-14	4-10-14	5-11-16	6-12-17	7-13-18
10" Oval Inlet	Airflow, CFM	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**
	Total Pressure	.020	.029	.040	.052	.066	.082	.099	.118
	Noise Criteria	–	17	21	24	27	30	33	35
	Throw	2-6-13	3-6-13	4-7-14	4-10-14	5-11-16	6-12-17	7-13-18	8-14-20
12" Oval Inlet	Airflow, CFM	**120**	**140**	**160**	**180**	**200**	**220**	**240**	**260**
	Total Pressure	.031	.042	.055	.078	.087	.105	.125	.146
	Noise Criteria	–	16	19	24	27	30	33	35
	Throw	3-6-13	4-7-14	4-10-14	5-11-16	6-12-17	7-13-18	8-14-20	9-15-21

2 Slot • 60" (1524) Long

8" Round Inlet	Airflow, CFM	**140**	**160**	**180**	**200**	**220**	**240**	**260**	**280**
	Total Pressure	.044	.057	.072	.089	.108	.128	.151	.175
	Noise Criteria	20	23	26	28	31	33	35	37
	Throw	2-6-13	3-7-14	5-8-15	5-8-16	6-9-17	6-10-18	7-11-19	8-13-20
10" Oval Inlet	Airflow, CFM	**160**	**180**	**200**	**220**	**240**	**260**	**280**	**300**
	Total Pressure	.040	.051	.063	.076	.090	.106	.123	.141
	Noise Criteria	20	23	25	28	30	32	34	36
	Throw	3-7-14	5-8-15	5-8-16	6-9-17	6-10-18	7-11-19	8-13-20	8-15-21
12" Oval Inlet	Airflow, CFM	**180**	**200**	**220**	**240**	**260**	**280**	**300**	**320**
	Total Pressure	.036	.044	.054	.064	.075	.087	.100	.113
	Noise Criteria	19	22	24	26	28	30	32	34
	Throw	5-8-15	5-8-16	6-9-17	6-10-18	7-11-19	8-13-20	8-15-21	9-16-22

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.013	.033
2	.025	.066
3	.036	.099
4	.041	.132

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

3 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**
	Total Pressure	.021	.038	.059	.086	.117	.152	.193	.238
	Noise Criteria	–	18	24	28	32	35	38	41
	Throw	2-5-10	3-6-11	4-7-12	5-8-13	6-9-16	7-10-18	9-12-20	10-13-21
8" Round Inlet	**Airflow, CFM**	**80**	**100**	**120**	**140**	**160**	**180**	**200**	**220**
	Total Pressure	.025	.038	.055	.075	.098	.125	.154	.186
	Noise Criteria	–	19	24	28	31	34	36	38
	Throw	3-6-11	4-7-12	5-8-13	6-9-16	7-10-18	9-12-20	10-13-21	10-14-22
10" Oval Inlet	**Airflow, CFM**	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**
	Total Pressure	.040	.058	.078	.102	.1300	.160	.194	.230
	Noise Criteria	17	21	25	28	31	33	35	37
	Throw	4-7-12	5-8-13	6-9-16	7-10-18	9-12-20	10-13-21	10-14-22	11-14-23

3 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**125**	**150**	**175**	**200**	**225**	**250**	**275**	**300**
	Total Pressure	.060	.087	.118	.154	.195	.240	.291	.346
	Noise Criteria	18	22	26	30	33	35	37	39
	Throw	2-6-14	3-7-15	5-9-16	6-10-17	6-11-18	7-12-19	7-13-20	8-14-21
8" Round Inlet	**Airflow, CFM**	**150**	**175**	**200**	**225**	**250**	**275**	**300**	**325**
	Total Pressure	.046	.063	.082	.103	.128	.154	.184	.216
	Noise Criteria	18	22	25	28	31	33	35	37
	Throw	3-7-15	5-9-16	6-10-17	6-11-18	7-12-19	7-13-20	8-14-21	9-15-23
10" Oval Inlet	**Airflow, CFM**	**175**	**200**	**225**	**250**	**275**	**300**	**325**	**350**
	Total Pressure	.041	.054	.068	.085	.102	.122	.143	.166
	Noise Criteria	20	23	25	28	30	32	34	36
	Throw	5-9-16	6-10-17	6-11-18	7-12-19	7-13-20	8-14-21	9-15-23	10-16-25
12" Oval Inlet	**Airflow, CFM**	**200**	**225**	**250**	**275**	**300**	**325**	**350**	**375**
	Total Pressure	.033	.042	.052	.063	.074	.087	.101	.116
	Noise Criteria	18	21	24	26	28	30	32	34
	Throw	6-10-17	6-11-18	7-12-19	7-13-20	8-14-21	9-15-23	10-16-25	11-17-27

3 Slot • 60" (1524) Long

8" Round Inlet	**Airflow, CFM**	**180**	**210**	**240**	**270**	**300**	**330**	**360**	**390**
	Total Pressure	.056	.076	.100	.126	.156	.189	.224	.263
	Noise Criteria	19	23	26	29	32	34	36	38
	Throw	3-8-15	5-10-16	6-11-18	7-12-19	7-13-20	8-14-21	8-15-22	9-16-23
10" Oval Inlet	**Airflow, CFM**	**210**	**240**	**270**	**300**	**330**	**360**	**390**	**420**
	Total Pressure	.052	.068	.086	.106	.129	.153	.186	.208
	Noise Criteria	21	24	26	29	31	33	35	37
	Throw	5-10-16	6-11-18	7-12-19	7-13-20	8-14-21	8-15-22	9-16-23	9-17-24
12" Oval Inlet	**Airflow, CFM**	**240**	**270**	**300**	**330**	**360**	**390**	**420**	**450**
	Total Pressure	.040	.057	.068	.076	.090	.106	.123	.141
	Noise Criteria	20	22	25	27	29	31	33	35
	Throw	6-11-18	7-12-19	7-13-20	8-14-21	8-15-22	9-16-23	9-17-24	10-17-25

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.019	.039
2	.034	.078
3	.046	.117
4	.062	.156

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5875(I) • 3/4" (19) SLOT WIDTH

4 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	**75**	**100**	**125**	**150**	**175**	**200**	**225**	**250**
	Total Pressure	.027	.047	.074	.106	.145	.189	.239	.295
	Noise Criteria	–	19	25	29	33	36	39	42
	Throw	2-6-11	3-7-13	5-8-14	7-10-15	8-11-17	9-12-20	9-13-21	10-14-23
8" Round Inlet	Airflow, CFM	**100**	**125**	**150**	**175**	**200**	**225**	**250**	**275**
	Total Pressure	.025	.039	.057	.077	.101	.128	.157	.191
	Noise Criteria	15	20	24	29	32	35	37	39
	Throw	3-7-13	5-8-14	7-10-15	8-11-17	9-12-20	9-13-21	10-14-23	11-16-24
10" Oval Inlet	Airflow, CFM	**125**	**150**	**175**	**200**	**225**	**250**	**275**	**300**
	Total Pressure	.034	.049	.066	.087	.109	.135	.164	.195
	Noise Criteria	19	22	25	29	32	34	36	38
	Throw	5-8-14	7-10-15	8-11-17	9-12-20	9-13-21	10-14-23	11-16-24	13-19-26

4 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	**160**	**190**	**220**	**250**	**280**	**310**	**340**	**370**
	Total Pressure	.091	.129	.172	.222	.279	.342	.412	.487
	Noise Criteria	20	24	27	30	32	35	37	39
	Throw	3-8-15	4-10-16	5-12-18	6-13-20	7-14-21	9-15-22	10-16-24	11-17-26
8" Round Inlet	Airflow, CFM	**190**	**220**	**250**	**280**	**310**	**340**	**370**	**400**
	Total Pressure	.058	.078	.100	.126	.154	.185	.219	.256
	Noise Criteria	20	23	26	29	31	34	36	38
	Throw	4-10-16	5-12-18	6-13-20	7-14-21	9-15-22	10-16-24	11-17-26	12-17-28
10" Oval Inlet	Airflow, CFM	**220**	**250**	**280**	**310**	**340**	**370**	**400**	**430**
	Total Pressure	.051	.066	.083	.102	.123	.145	.170	.197
	Noise Criteria	20	23	26	29	31	33	35	37
	Throw	5-12-18	6-13-20	7-14-21	9-15-22	10-16-24	11-17-26	12-17-28	12-18-29
12" Oval Inlet	Airflow, CFM	**250**	**280**	**310**	**340**	**370**	**400**	**430**	**460**
	Total Pressure	.037	.046	.057	.068	.081	.095	.109	.125
	Noise Criteria	19	22	25	27	29	31	33	35
	Throw	6-13-20	7-14-21	9-15-22	10-16-24	11-17-26	12-17-28	12-18-29	13-19-30

4 Slot • 60" (1524) Long

8" Round Inlet	Airflow, CFM	**220**	**260**	**300**	**340**	**380**	**420**	**460**	**500**
	Total Pressure	.072	.101	.134	.172	.215	.262	.315	.372
	Noise Criteria	20	24	27	30	33	35	37	39
	Throw	3-10-16	4-11-18	6-12-20	8-13-22	10-15-24	11-16-26	12-17-28	13-19-31
10" Oval Inlet	Airflow, CFM	**260**	**300**	**340**	**380**	**420**	**460**	**500**	**540**
	Total Pressure	.063	.083	.107	.134	.163	.196	.231	.270
	Noise Criteria	21	24	27	30	33	35	37	39
	Throw	4-11-18	6-12-20	8-13-22	10-15-24	11-16-26	12-17-28	13-19-31	14-20-32
12" Oval Inlet	Airflow, CFM	**300**	**340**	**380**	**420**	**460**	**500**	**540**	**580**
	Total Pressure	.043	.055	.069	.084	.101	.119	.139	.160
	Noise Criteria	20	23	26	28	31	33	35	37
	Throw	6-12-20	8-13-22	10-15-24	11-16-26	12-17-28	13-19-31	14-20-32	14-21-34

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.019	.039
2	.034	.078
3	.046	.117
4	.062	.156

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5810(I) • 1" (25) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
	Total Pressure	.006	.014	.026	.040	.058	.078	.102	.130
	Noise Criteria	–	–	16	22	26	30	33	36
	Throw	1-2-4	2-3-5	2-4-6	3-5-7	4-6-8	4-6-9	5-6-9	5-7-10
8" Round Inlet	**Airflow, CFM**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
	Total Pressure	.019	.033	.052	.074	.101	.132	.167	.207
	Noise Criteria	–	–	16	22	26	29	31	34
	Throw	2-3-5	2-4-6	3-5-7	4-6-8	4-6-9	5-6-9	5-7-10	6-7-10
10" Oval Inlet	**Airflow, CFM**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**
	Total Pressure	.040	.063	.090	.123	.160	.203	.250	.303
	Noise Criteria	–	–	19	23	26	28	31	34
	Throw	2-4-6	3-5-7	4-6-8	4-6-9	5-6-9	5-7-10	6-7-10	6-7-10

1 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.016	.026	.040	.056	.076	.098	.123	.150
	Noise Criteria	–	17	22	25	29	32	35	37
	Throw	1-2-5	1-3-7	1-3-9	2-4-10	2-5-10	3-5-11	3-6-12	4-7-12
8" Round Inlet	**Airflow, CFM**	**65**	**80**	**95**	**110**	**125**	**140**	**155**	**170**
	Total Pressure	.018	.027	.038	.050	.065	.082	.100	.120
	Noise Criteria	–	18	22	25	28	31	33	36
	Throw	1-3-7	1-3-9	2-4-10	2-5-10	3-5-11	3-6-12	4-7-12	5-8-13
10" Oval Inlet	**Airflow, CFM**	**80**	**95**	**110**	**125**	**140**	**155**	**170**	**185**
	Total Pressure	.029	.041	.055	.071	.089	.109	.131	.155
	Noise Criteria	15	19	23	26	29	31	33	35
	Throw	1-3-9	2-4-10	2-5-10	3-5-11	3-6-12	4-7-12	5-8-13	6-9-14
12" Oval Inlet	**Airflow, CFM**	**95**	**110**	**125**	**140**	**155**	**170**	**185**	**200**
	Total Pressure	.045	.060	.077	.097	.119	.143	.169	.198
	Noise Criteria	15	18	21	24	27	30	32	34
	Throw	2-4-10	2-5-10	3-5-11	3-6-12	4-7-12	5-8-13	6-9-14	7-10-15

1 Slot • 60" (1524) Long

8" Round Inlet	**Airflow, CFM**	**80**	**95**	**110**	**125**	**140**	**155**	**170**	**185**
	Total Pressure	.021	.030	.040	.052	.065	.079	.096	.113
	Noise Criteria	15	19	23	26	29	31	33	35
	Throw	1-3-7	1-3-9	2-4-9	3-5-10	3-5-11	4-6-11	5-7-12	6-8-13
10" Oval Inlet	**Airflow, CFM**	**95**	**110**	**125**	**140**	**155**	**170**	**185**	**200**
	Total Pressure	.025	.034	.043	.054	.067	.080	.095	.111
	Noise Criteria	15	19	23	25	28	30	32	34
	Throw	1-3-9	2-4-9	3-5-10	3-5-11	4-6-11	5-7-12	6-8-13	6-9-14
12" Oval Inlet	**Airflow, CFM**	**110**	**125**	**140**	**155**	**170**	**185**	**200**	**215**
	Total Pressure	.033	.042	.053	.065	.078	.092	.107	.124
	Noise Criteria	16	19	21	25	27	29	31	33
	Throw	2-4-9	3-5-10	3-5-11	4-6-11	5-7-12	6-8-13	6-9-14	7-10-15

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.025	.051
2	.045	.104
3	.060	.155
4	.082	.206

PERFORMANCE DATA • MODEL SERIES 5800

MODEL: 5810(I) • 1" (25) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	**50**	**65**	**80**	**95**	**110**	**125**	**140**	**155**
	Total Pressure	.016	.028	.042	.059	.080	.103	.129	.158
	Noise Criteria	–	16	22	26	30	33	36	39
	Throw	2-4-07	2-5-08	4-6-09	5-6-10	6-7-10	6-8-12	7-8-14	7-9-15
8" Round Inlet	Airflow, CFM	**65**	**80**	**95**	**110**	**125**	**140**	**155**	**170**
	Total Pressure	.021	.032	.045	.060	.077	.097	.119	.143
	Noise Criteria	–	19	22	26	29	32	35	38
	Throw	2-5-08	4-6-09	5-6-10	6-7-10	6-8-12	7-8-14	7-9-15	8-10-15
10" Oval Inlet	Airflow, CFM	**80**	**95**	**110**	**125**	**140**	**155**	**170**	**185**
	Total Pressure	.035	.049	.065	.085	.106	.130	.156	.185
	Noise Criteria	15	19	23	26	29	32	35	37
	Throw	4-6-09	5-6-10	6-7-10	6-8-12	7-8-14	7-9-15	8-10-15	8-10-16

2 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**
	Total Pressure	.043	.063	.085	.111	.141	.174	.210	.250
	Noise Criteria	17	21	25	28	31	34	36	38
	Throw	1-4-8	2-6-9	4-7-12	5-8-13	6-9-14	6-10-14	7-11-15	8-12-17
8" Round Inlet	Airflow, CFM	**120**	**140**	**160**	**180**	**200**	**220**	**240**	**260**
	Total Pressure	.033	.045	.059	.074	.092	.111	.132	.155
	Noise Criteria	17	21	24	27	30	32	34	36
	Throw	2-6-9	4-7-12	5-8-13	6-9-14	6-10-14	7-11-15	8-12-17	8-12-17
10" Oval Inlet	Airflow, CFM	**140**	**160**	**180**	**200**	**220**	**240**	**260**	**280**
	Total Pressure	.031	.040	.051	.063	.076	.090	.106	.123
	Noise Criteria	18	21	24	27	29	31	33	35
	Throw	4-7-12	5-8-13	6-9-14	6-10-14	7-11-15	8-12-17	8-12-17	9-13-19
12" Oval Inlet	Airflow, CFM	**160**	**180**	**200**	**220**	**240**	**260**	**280**	**300**
	Total Pressure	.026	.032	.040	.048	.058	.068	.078	.090
	Noise Criteria	17	21	23	25	27	29	31	33
	Throw	5-8-13	6-9-14	6-10-14	7-11-15	8-12-17	8-12-17	9-13-19	9-13-21

2 Slot • 60" (1524) Long

8" Round Inlet	Airflow, CFM	**160**	**180**	**200**	**220**	**240**	**260**	**280**	**300**
	Total Pressure	.048	.061	.075	.091	.108	.127	.147	.169
	Noise Criteria	21	24	26	28	30	32	34	36
	Throw	3-6-10	4-7-12	6-9-14	7-9-15	7-10-16	8-11-17	8-12-18	9-13-19
10" Oval Inlet	Airflow, CFM	**180**	**200**	**220**	**240**	**260**	**280**	**300**	**320**
	Total Pressure	.042	.052	.063	.074	.087	.101	.116	.132
	Noise Criteria	21	23	25	28	30	32	34	36
	Throw	4-7-12	6-9-14	7-9-15	7-10-16	8-11-17	8-12-18	9-13-19	9-14-21
12" Oval Inlet	Airflow, CFM	**200**	**220**	**240**	**260**	**280**	**300**	**320**	**340**
	Total Pressure	.036	.044	.052	.061	.071	.082	.093	.105
	Noise Criteria	20	23	25	27	29	31	33	35
	Throw	6-9-14	7-9-15	7-10-16	8-11-17	8-12-18	9-13-19	9-14-21	10-15-22

Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.025	.051
2	.045	.104
3	.060	.155
4	.082	.206

PERFORMANCE DATA • MODEL SERIES 5600

MODEL: 5675(I) • 3/4" (19) SLOT WIDTH

1 Slot • 24" (610) Long, 6" (152) Inlet • 48" (1219) Long, 8" (203) Inlet

Airflow, CFM/FT.	20	30	40	50	60	70
Static Pressure	.027	.059	.104	.153	.228	.307
Noise Criteria	20	23	27	30	33	35
Throw 1	3.3	6.3	8.0	9.5	10.7	11.7
Throw 2	11.5	15.0	19.0	21.0	23.0	24.5

2 Slot • 24" (610) Long, 8" (203) Inlet • 48" (1219) Long, 10" (254) Inlet

Airflow, CFM/FT.	40	60	80	100	120	140
Static Pressure	.028	.061	.115	.165	.240	.335
Noise Criteria	20	24	29	33	36	38
Throw 1	3.7	7.7	9.0	10.5	12.0	13.0
Throw 2	12.5	16.0	19.0	22.0	24.0	25.5

3 Slot • 24" (610) Long, 8" (203) Inlet • 48" (1219) Long, 10" (254) Inlet

Airflow, CFM/FT.	60	90	120	150	180	210
Static Pressure	.030	.064	.120	.184	.265	.350
Noise Criteria	21	25	30	35	39	42
Throw 1	4.5	9.0	10.2	11.5	13.0	14.0
Throw 2	12.7	17.0	20.0	23.0	25.2	27.5

4 Slot • 24" (610) Long, 10" (254) Inlet • 48" (1219) Long, 12" (305) Inlet

Airflow, CFM/FT.	80	120	160	200	240	280
Static Pressure	.034	.071	.134	.203	.292	.392
Noise Criteria	22	26	31	37	41	45
Throw 1	5.2	10.0	11.2	12.0	13.5	15.0
Throw 2	13.5	17.7	21.0	24.5	265	29.0

Performance Notes:

1. Throws are given at 150 and 50 fpm terminal velocities under isothermal conditions.

   Throw 1 is Throw @ 150 feet per minute terminal velocity at 9'-0" ceiling height.

   Throw 2 is Throw @ 50 feet per minute terminal velocity at 9'-0" ceiling height.
2. All Pressures are in inches w.g..
3. Throw data is for one-way blow in opposite direction to inlet collar under isothermal conditions.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.031	.039
2	.059	.079
3	.083	.117
4	.108	.156

PERFORMANCE DATA • MODEL SERIES 5600

MODEL: 5610(I) • 1" (25) SLOT WIDTH

1 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	50	75	95	120	140	165	185
	Total Pressure	.046	.093	.141	.216	.287	.390	.483
	Static Pressure	.042	.083	.125	.191	.252	.342	.423
	Noise Criteria	–	18	23	29	32	36	38
	Throw	6-11-20	11-16-25	14-19-28	17-22-31	19-24-33	21-26-35	23-27-37
8" Round Inlet	Airflow, CFM	50	80	105	135	160	190	215
	Total Pressure	.044	.102	.162	.248	.332	.446	.554
	Static Pressure	.043	.098	.156	.238	.318	.427	.529
	Noise Criteria	–	17	23	29	33	37	40
	Throw	4-8-16	9-13-22	12-17-25	15-19-29	17-21-31	19-23-33	20-25-35
10" Oval Inlet	Airflow, CFM	60	85	110	135	160	185	210
	Total Pressure	.056	.103	.162	.232	.314	.408	.513
	Static Pressure	.055	.101	.159	.228	.308	.400	.503
	Noise Criteria	–	15	22	27	31	35	38
	Throw	5-10-19	10-15-25	13-19-29	16-22-33	19-24-35	21-26-38	22-28-40

1 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	80	120	155	195	230	270	305
	Total Pressure	.040	.109	.175	.256	.334	.428	.516
	Static Pressure	.029	.084	.133	.190	.241	.300	.353
	Noise Criteria	–	17	24	30	35	39	43
	Throw	6-11-20	11-16-26	14-20-30	17-23-34	19-25-36	21-27-38	23-29-40
8" Round Inlet	Airflow, CFM	100	140	180	220	260	300	340
	Total Pressure	.043	.084	.138	.204	.283	.375	.479
	Static Pressure	.038	.074	.120	.178	.246	.326	.416
	Noise Criteria	–	15	22	28	32	36	40
	Throw	8-11-19	11-15-23	14-18-26	16-20-29	17-22-31	19-24-33	20-25-34
10" Oval Inlet	Airflow, CFM	100	145	190	235	280	325	370
	Total Pressure	.036	.076	.128	.191	.265	.350	.447
	Static Pressure	.034	.071	.119	.177	.246	.325	.414
	Noise Criteria	–	18	24	29	32	36	39
	Throw	3-6-14	6-10-19	9-14-23	11-16-26	13-19-28	15-20-30	16-22-32
12" Oval Inlet	Airflow, CFM	120	170	220	270	320	370	420
	Total Pressure	.049	.097	.160	.238	.331	.439	.562
	Static Pressure	.047	.093	.153	.228	.317	.421	.538
	Noise Criteria	–	20	26	31	35	39	42
	Throw	5-11-21	10-16-26	14-20-30	17-23-33	20-25-36	22-27-38	24-29-40

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All Pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.031	.039
2	.059	.079

PERFORMANCE DATA • MODEL SERIES 5600

MODEL: 5610(I) • 1" (25) SLOT WIDTH

2 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**90**	**125**	**160**	**195**	**230**	**265**	**300**
	Total Pressure	.051	.097	.156	.228	.313	.412	.524
	Static Pressure	.037	.069	.111	.161	.220	.288	.366
	Noise Criteria	–	21	27	32	36	40	43
	Throw	11-15-25	15-20-29	18-23-33	21-26-36	23-28-38	25-30-40	26-31-42
8" Round Inlet	**Airflow, CFM**	**90**	**130**	**170**	**210**	**250**	**290**	**330**
	Total Pressure	.041	.070	.111	.166	.233	.313	.405
	Static Pressure	.037	.061	.096	.142	.199	.267	.346
	Noise Criteria	–	19	25	30	35	38	41
	Throw	8-13-21	13-17-26	16-20-29	18-23-32	20-25-34	22-26-36	23-28-38
10" Oval Inlet	**Airflow, CFM**	**100**	**145**	**190**	**235**	**280**	**325**	**370**
	Total Pressure	.042	.071	.116	.178	.257	.353	.465
	Static Pressure	.040	.066	.107	.165	.238	.327	.432
	Noise Criteria	–	17	25	31	36	40	43
	Throw	10-15-24	14-20-29	18-23-33	21-26-36	23-28-39	25-30-41	27-32-43

2 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**150**	**185**	**220**	**255**	**290**	**325**	**360**
	Total Pressure	.092	.133	.183	.242	.310	.387	.472
	Static Pressure	.053	.073	.098	.128	.162	.201	.244
	Noise Criteria	–	–	21	26	31	36	39
	Throw	7-10-16	8-12-18	10-13-19	11-14-21	12-16-22	13-17-23	13-17-24
8" Round Inlet	**Airflow, CFM**	**160**	**220**	**280**	**340**	**400**	**460**	**520**
	Total Pressure	.049	.089	.140	.201	.274	.357	.450
	Static Pressure	.035	.063	.097	.138	.186	.241	.303
	Noise Criteria	–	15	23	29	34	39	43
	Throw	9-14-20	13-18-25	15-20-29	18-22-31	19-24-34	21-26-36	22-27-38
10" Oval Inlet	**Airflow, CFM**	**180**	**250**	**320**	**390**	**460**	**530**	**600**
	Total Pressure	.042	.077	.126	.188	.263	.352	.454
	Static Pressure	.034	.062	.101	.151	.213	.285	.367
	Noise Criteria	–	16	24	30	35	39	43
	Throw	10-14-22	13-18-26	16-20-29	19-23-32	20-24-34	22-26-35	23-27-37
12" Oval Inlet	**Airflow, CFM**	**200**	**285**	**370**	**455**	**540**	**625**	**710**
	Total Pressure	.047	.098	.165	.247	.345	.460	.590
	Static Pressure	.042	.087	.146	.219	.306	.407	.522
	Noise Criteria	–	18	26	32	37	41	44
	Throw	9-14-22	13-18-27	16-21-31	18-24-33	20-25-36	22-27-38	23-28-40

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All Pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes a Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.031	.039
2	.059	.079

PERFORMANCE DATA • MODEL SERIES 5700R

MODEL: 5775R(I)

3/4" (19) Slot • 24" (610) Long

1 Slot	Airflow, CFM	30	45	60	75	90	105	120	135	150
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

3/4" (19) Slot • 48" (1219) Long

1 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

MODEL: 5710R(I)

1" (25) Slot • 24" (610) Long

1 Slot	Airflow, CFM	40	60	80	100	120	140	160	180	200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	80	120	160	200	240	280	320	360	400
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

1" (25) Slot • 48" (1219) Long

1 Slot	Airflow, CFM	80	120	160	200	240	280	320	360	400
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	160	240	320	400	480	560	640	720	800
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

MODEL: 5715R(I)

1 1/2" (38) Slot • 24" (610) Long

1 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

1 1/2" (38) Slot • 48" (1219) Long

1 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	240	360	480	600	720	840	960	1080	1200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

Performance Notes:

1. Neg. Static Pressure is in inches w.g..
2. Noise Criteria [NC] values based on 10 dB room absorption, re 10^{-12} watts.
3. Dash (–) in space indicates an Noise Criteria level of less than 15.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70–2006.

PERFORMANCE DATA • MODEL SERIES 5800R

MODEL: 5850R(I)

1/2" (13) Slot • 24" (610) Long

1 Slot	Airflow, CFM	20	30	40	50	60	70	80	90	100
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	40	60	80	100	120	140	160	180	200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35
3 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	17	23	27	31	34	37
4 Slot	Airflow, CFM	80	120	160	200	240	280	320	360	400
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	18	24	28	32	35	38

1/2" (13) Slot • 48" (1219) Long

1 Slot	Airflow, CFM	40	60	80	100	120	140	160	180	200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	80	120	160	200	240	280	320	360	400
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35
3 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	17	23	27	31	34	37
4 Slot	Airflow, CFM	160	240	320	400	480	560	640	720	800
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	18	24	28	32	35	38

MODEL: 5875R(I)

3/4" (19) Slot • 24" (610) Long

1 Slot	Airflow, CFM	30	45	60	75	90	105	120	135	150
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35
3 Slot	Airflow, CFM	90	135	180	225	270	315	360	405	450
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	17	23	27	31	34	37
4 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	18	24	28	32	35	38

3/4" (19) Slot • 48" (1219) Long

1Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35
3 Slot	Airflow, CFM	180	270	360	450	540	630	720	810	900
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	17	23	27	31	34	37
4 Slot	Airflow, CFM	240	360	480	600	720	840	960	1080	1200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	18	24	28	32	35	38

Performance Notes:

1. Neg. Static Pressure is in inches w.g..
2. Noise Criteria [NC] values based on 10 dB room absorption, re 10^{-12} watts.
3. Dash (–) in space indicates an Noise Criteria level of less than 15.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70–2006.

PERFORMANCE DATA • MODEL SERIES 5800R

MODEL: 5810R(I)

1" (25) Slot • 24" (610) Long

1 Slot	Airflow, CFM	40	60	80	100	120	140	160	180	200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	80	120	160	200	240	280	320	360	400
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35
3 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	17	23	27	31	34	37
4 Slot	Airflow, CFM	160	240	320	400	480	560	640	720	800
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	18	24	28	32	35	38

1" (25) Slot • 48" (1219) Long

1 Slot	Airflow, CFM	80	120	160	200	240	280	320	360	400
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	160	240	320	400	480	560	640	720	800
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35
3 Slot	Airflow, CFM	240	360	480	600	720	840	960	1080	1200
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	17	23	27	31	34	37
4 Slot	Airflow, CFM	320	480	640	800	960	1120	1280	1440	1600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	18	24	28	32	35	38

PERFORMANCE DATA • MODEL SERIES 5600R

MODEL: 5675R(I)

3/4" (19) Slot • 24" (610) Long

1 Slot	Airflow, CFM	30	45	60	75	90	105	120	135	150
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

3/4" (19) Slot • 48" (1219) Long

1 Slot	Airflow, CFM	60	90	120	150	180	210	240	270	300
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	–	18	22	26	29	32
2 Slot	Airflow, CFM	120	180	240	300	360	420	480	540	600
	Negative Static Pressure	.010	.021	.038	.059	.085	.116	.152	.192	.238
	Noise Criteria	–	–	–	15	21	25	29	32	35

Performance Notes:

1. Neg. Static Pressures is in inches w.g..
2. Noise Criteria [NC] values based on 10 dB room absorption, re 10^{-12} watts.
3. Dash (–) in space indicates an Noise Criteria level of less than 15.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70–2006.

PERFORMANCE DATA NOTES:

Model Series 5700
Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Cataloged throws are for a one-way horizontal air pattern. For divided airflow, deduce the airflow in each direction according to the number of slots, with the total airflow apportioned between the slots. Look up throw for the airflow in each direction according to the number of slots in that direction.
4. Noise Criteria [NC] values are based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes an Noise Criteria level less than 15.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Models 59ND(I),59NDR(I)
Performance Data Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g..
3. Tested with one-way fixed horizontal discharge in the direction of the inlet and center down-blow deflector full open. Straight flexible duct connection.
4. Noise Criteria [NC] values are based on a room absorption of 10 dB, re 10^{-12} watts. Dash (–) in space denotes an Noise Criteria level less than 15.
5. Data derived from independent tests conducted in accordance with ANSI/ASHRAE Standard 70-2006.