Nailor Industries Inc.

FIRE RATED OPEN FACE PLENUM DIFFUSER (LAY-IN CEILINGS)

FOR USE WITH LINEAR TYPE DIFFUSERS
3 HOUR RATING
MODEL SERIES: 5200 TYPE S OR L

CLASSIFIED C UL US
CATEGORY
BZGU & BZGU7

DESCRIPTION:

1. The 5200 Series is a UL Classified fire rated Air Terminal Unit listed in Underwriters Laboratories Fire Resistance Directory.

   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.
2. The 5200 Series provides flexibility in that a variety of steel or aluminum grilles, registers or linear type slot diffusers and bar grilles may be used.

   Model 5200L features a flat leg and are for lay-in type cores.

   Model 5200S features a hemmed leg and are for surface mounting of a grille or diffuser with Type C concealed mounting straps.
3. A max. of 20 lineal ft. (6096) of 2" (51) wide throat opening, 10 lineal ft. (3048) of 4" (102) wide throat opening, or 5 lineal ft. (1524) of 6" (152) and 8" (203) width throat opening is allowed for each 113 sq. inch (72,903 mm^2) duct outlet area permitted in specific design.
4. Standard nominal lengths: 20", 24", 30", 36", 48" and 60" to suit imperial ceiling grids. 500, 600, 750, 900, 1200 and 1500 mm to suit metric grids.
5. Plenum casing width W (throat): Dimension is variable and fabricated to suit required grille or diffuser.

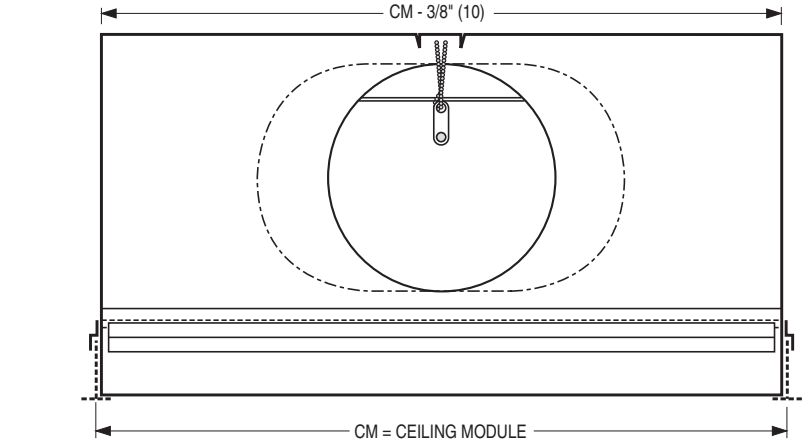
   Minimum = 1 11/16" (43).

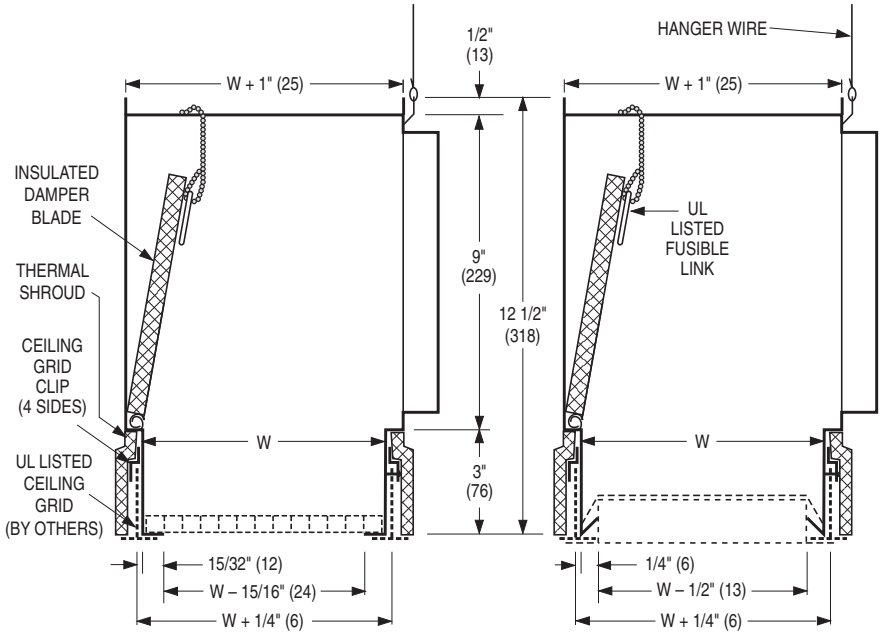
   Maximum = 8" (203).
6. Available inlet sizes:

   Round: 5", 6", 7" and 8" (127, 152, 178 and 203).

   Flat oval: 9", 10" and 12" (229, 254 and 305).
7. 212°F (100°C) fusible link is standard.
8. Material: Corrosion-resistant steel for plenum and damper blades. Non-asbestos UL Classified insulation.
9. Standard Finish: BK Black on exposed surfaces.

For installation instructions, see IOM-FRPINST.





TYPE L
Flat leg for lay-in diffuser core.

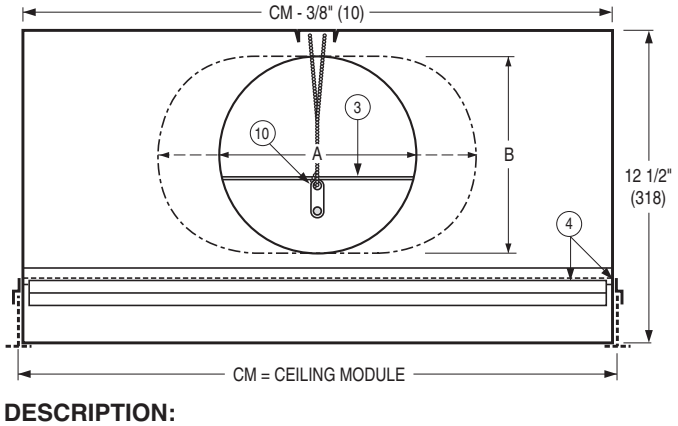
TYPE S
Hemmed leg for surface mount diffuser with concealed mounting brackets.

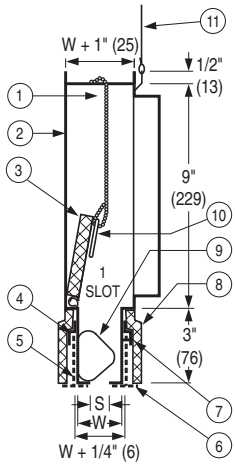
Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	11 - 12 - 15	5200	5 - 11 - 15	5200-1

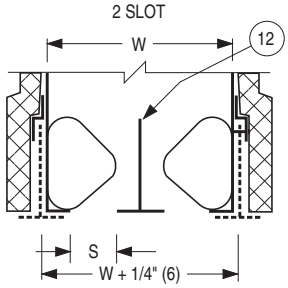
FIRE RATED PLENUM SLOT DIFFUSER
CURVED BLADE 'FLIP FLOP' PATTERN
CONTROLLERS • 3 HR. RATING
MODEL: 5575

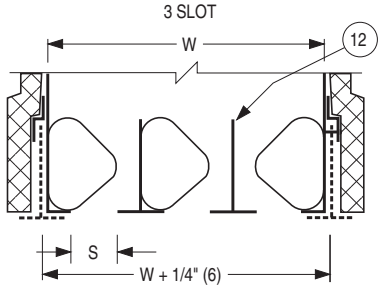
CLASSIFIED C UL US
CATEGORY
BZGU & BZGU7

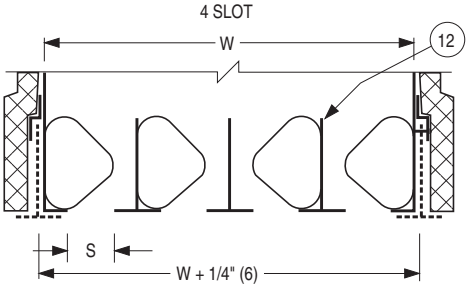




MODEL 5575
3/4" (19) Slot width
1, 2, 3 and 4-slot models available.







DESCRIPTION:

1. The 5500 Series is a UL Classified fire rated Air Terminal Unit listed in Underwriters Laboratories Fire Resistance Directory. 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.
2. Construction: Corrosion resistant steel. 212°F (100°C) fusible link is standard.
3. Finish: Black pattern controllers and exposed surfaces. AW Appliance White on center T-Bars.
4. 'Flip-flop' pattern controllers provide a tight horizontal ceiling pattern. An excellent choice for VAV systems.
5. Standard nominal lengths: 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500). Standard inlet sizes: 5", 6", 7", 8" (127, 152, 178, 203) are round. Oval sizes are 9", 10" and 12" (229, 254 and 305).

   * For installation instructions, see IOM-FRPINST.

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 supplied and installed by factory.

OPTIONS:

1. Non-standard temperature U.L. Listed fusible link.
   - ❑ 165 165°F (74°C)
2. ❑ ID Inlet Damper
3. ❑ EX External Foil Back Insulation.
4. Supplementary ceiling grid (T-Bar) member (UL Listed).
   - ❑ T1 One (inlet side).
   - ❑ T0 One (opposite inlet side).

		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)

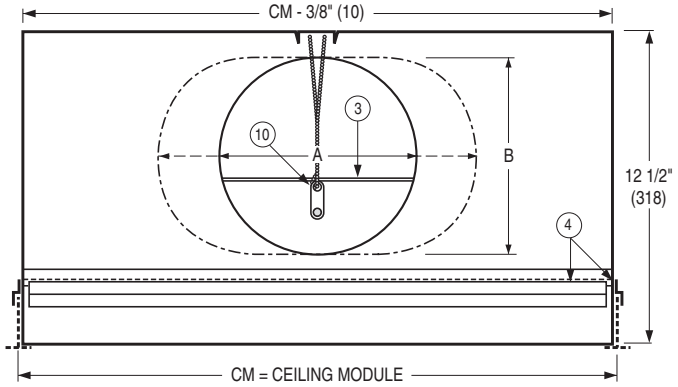
Dimensions are in inches (mm).

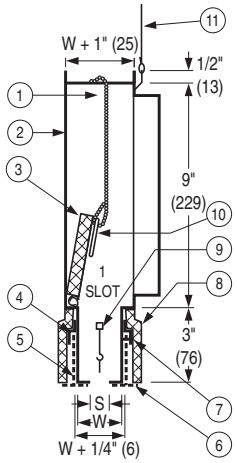
SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**1 - 16 - 17**	**5500**	**11 - 11 - 15**	**5500-1**

Nailor Industries Inc.

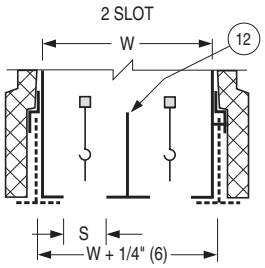
FIRE RATED PLENUM SLOT DIFFUSER
ADJUSTABLE 'WIPER BLADE' PATTERN CONTROLLERS • 3 HR. RATING
MODELS: 5550WB, 5575WB, 5510WB, 5515WB

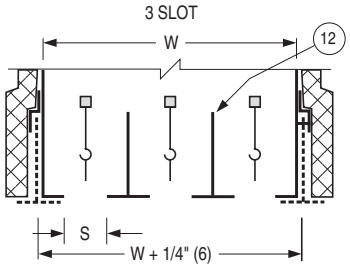
CLASSIFIED C UL US
CATEGORY BZGU & BZGU7

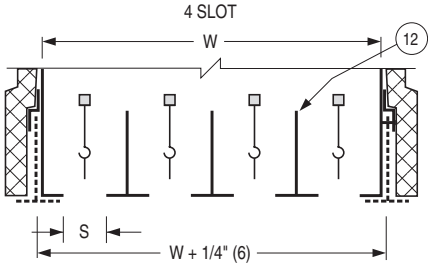




- ❑ **MODEL 5550WB** 1/2" (13) Slot width
- ❑ **MODEL 5575WB** 3/4" (19) Slot width
- ❑ **MODEL 5510WB** 1" (25) Slot width
- ❑ **MODEL 5515WB** 1 1/2" (38) Slot width







DESCRIPTION:

1. The 5500 Series is a UL Classified fire rated Air Terminal Unit listed in Underwriters Laboratories Fire Resistance Directory. 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.
2. Construction: Corrosion resistant steel. 212°F (100°C) fusible link is standard.
3. Finish: Black pattern controllers and exposed surfaces. AW Appliance White on center T-Bars.
4. Extruded aluminum pattern controllers provide a tight horizontal ceiling pattern. An excellent choice for VAV systems.
5. Standard nominal lengths: 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500). Standard inlet sizes: 5", 6", 7", 8" (127, 152, 178, 203) are round. Oval sizes are 9", 10" and 12" (229, 254 and 305).
6. Pattern controller is split mid-way on units 36" (914) long and over. This allows a 2-way opposite blow pattern from a single slot.

   * For installation instructions, see IOM-FRPINST.

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 supplied and installed by factory.

OPTIONS:

1. Non-standard temperature U.L. Listed fusible link.
   - ❑ 165 165°F (74°C)
2. ❑ ID Inlet Damper
3. ❑ EX External Foil Back Insulation.
4. Supplementary ceiling grid (T-Bar) member (UL Listed).
   - ❑ T1 One (inlet side).
   - ❑ T0 One (opposite inlet side).

		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)

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**1 - 16 - 17**	**5500**	**11 - 11 - 15**	**5500-2**

FIRE RATED PLENUM SLOT DIFFUSER

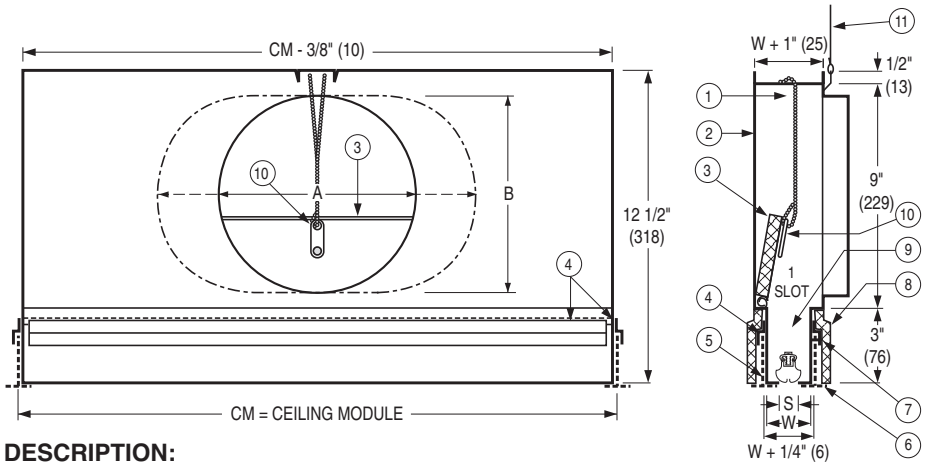
ADJUSTABLE 'ICE TONG' PATTERN CONTROLLERS • 3 HR. RATING

MODELS: 5550T, 5575T, 5510T

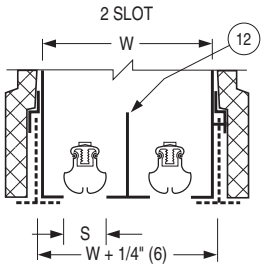
Nailor Industries Inc.

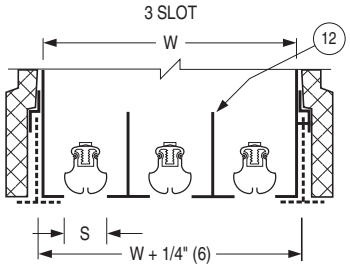
CLASSIFIED C UL US

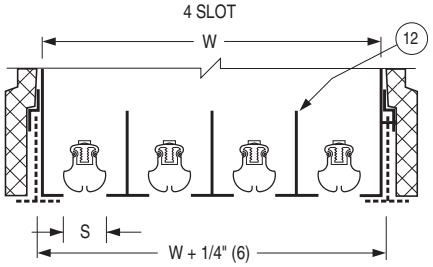
CATEGORY BZGU & BZGU7



- ❑ **MODEL 5550T** 1/2" (13) Slot width
- ❑ **MODEL 5575T** 3/4" (19) Slot width
- ❑ **MODEL 5510T** 1" (25) Slot width







DESCRIPTION:

1. The 5500 Series is a UL Classified fire rated Air Terminal Unit listed in Underwriters Laboratories Fire Resistance Directory. 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.
2. Finish: Black pattern controllers and exposed surfaces. AW Appliance White on center T-Bars.
3. The Series 5500T is a premium choice for high performance use in fire rated T-Bar ceiling assemblies. The 'ice tong' pattern controllers give total flexibility in all applications. Direction of airflow and volume may both be adjusted from the face of the diffuser. The 5500T series is well suited to VAV applications.
4. Standard nominal lengths: 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500). Standard inlet sizes: 5", 6", 7", 8" (127, 152, 178, 203) are round. Oval sizes are 9", 10" and 12" (229, 254 and 305).
5. Pattern controller is split mid-way on units 36" (914) long and over. This allows a 2-way opposite blow pattern from a single slot.

* For installation instructions, see IOM-FRPINST.

ITEMS:

1. Fusible link damper support chain.
2. Corrosion resistant steel 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). 212°F (100°C) standard.
11. Hanger wire at casing mid-point.
12. Intermediate grid bars supplied and installed by factory.

OPTIONS:

1. Non-standard temperature U.L. Listed fusible link.
   - ❑ 165 165°F (74°C)
2. ❑ ID Inlet Damper
3. ❑ EX External Foil Back Insulation.
4. Supplementary ceiling grid (T-Bar) member (UL Listed).
   - ❑ T1 One (inlet side).
   - ❑ T0 One (opposite inlet side).

		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)

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**1 - 16 - 17**	**5500**	**11 - 11 - 15**	**5500-3**

Nailor Industries Inc.

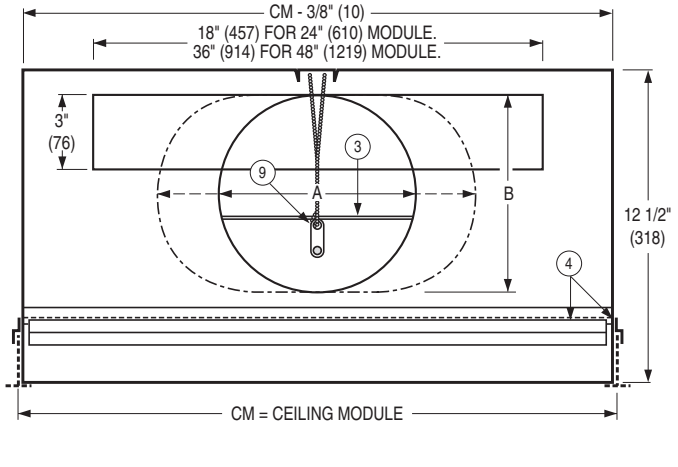
FIRE RATED PLENUM SLOT RETURN DIFFUSER

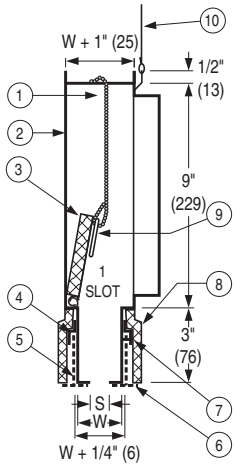
3 HR. RATING

MODELS: 5550R, 5575R, 5510R, 5515R

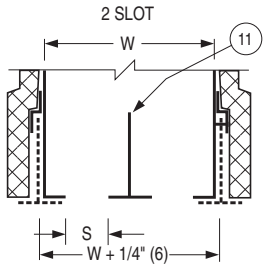
CLASSIFIED C UL US

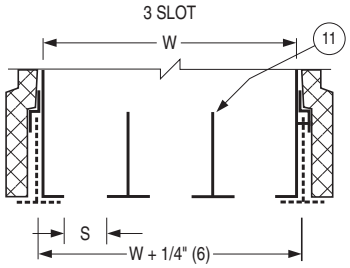
CATEGORY BZGU & BZGU7

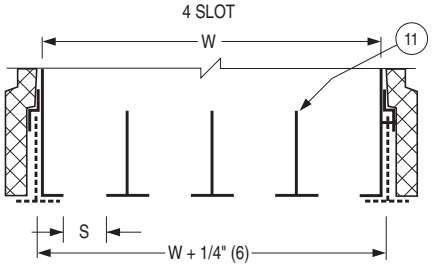




- ❑ **MODEL 5550R**
  1/2" (13) Slot width
- ❑ **MODEL 5575R**
  3/4" (19) Slot width
- ❑ **MODEL 5510R**
  1" (25) Slot width
- ❑ **MODEL 5515R**
  1 1/2" (38) Slot width







DESCRIPTION:

1. The 5500 Series is a UL Classified fire rated Air Terminal Unit listed in Underwriters Laboratories Fire Resistance Directory. 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.
2. Construction: Corrosion resistant steel. 212°F (100°C) fusible link is standard.
3. Finish: Black exposed surfaces. AW Appliance White on center T-Bars.
4. The Series 5500R is a good choice for use in fire rated T-Bar ceiling assemblies to compliment the Series 5500 supply models.
5. Standard nominal lengths: 20", 24", 36", 48" and 60" (500, 600, 900, 1200 and 1500). Supplied with a rectangular opening as standard for ductless return applications. Optional inlet sizes: 5", 6", 7", 8" (127, 152, 178, 203) are round. Oval sizes are 9", 10" and 12" (229, 254 and 305).

   * For installation instructions, see IOM-FRPINST.

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 supplied and installed by factory.

OPTIONS:

1. Non-standard temperature U.L. Listed fusible link.
   - ❑ 165 165°F (74°C)
2. ❑ ID Inlet Damper
3. ❑ EX External Foil Back Insulation.
4. Supplementary ceiling grid (T-Bar) member (UL Listed).
   - ❑ T1 One (inlet side).
   - ❑ T0 One (opposite inlet side).

		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)

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	1 - 16 - 17	5500	11 - 11 - 15	5500-4

Nailor Industries Inc.

Standard and Optional Finishes For Grilles and Diffusers

Nailor offers a selection of standard colors and finishes available on our grilles, registers and diffusers. For painted finishes, our state-of-the-art paint systems provide environmentally friendly finishing solutions with uniform coverage and coating thickness. The result is an exceptionally durable finish that resists scratching, corrosion and general wear. Additional facilities for special requirements, as well as a selection of anodized or brushed finishes, complete our ability to provide unmatched beauty and durability for any application.

NAILOR POWDER COAT PROPERTIES

FILM THICKNESS	2.0 to 3.0 mils
HARDNESS	2 H
IMPACT RESISTANCE	Direct: 160 inch - lbs. Reverse 160 inch - lbs.
SALT SPRAY	1000 hours

ELECTROCOATING PROPERTIES

FILM THICKNESS	.8 to 1.2 mils
HARDNESS	HB TO H
IMPACT RESISTANCE	80 inch - lbs
SALT SPRAY	100 hours

POWDER COAT

Nailor's powder coat is a high-tech thermosetting polyester powder coating with superior physical properties that provide excellent color and gloss retention. The finish offers extreme durability and hardness that resists scratching, chipping and general wear. Surface preparation includes degreasing and a chemical cleaning followed by a clean rinse before a final powder coat finish is applied and baked. The environmentally friendly Nailor powder coat system assures uniform coverage and color consistency resulting in a long lasting superior finish. Colors, including simulated anodizing, which is far more economical than color anodizing, can be selected from Nailor's standard color chart or non-standard colors and can be matched from sample chips provided to Nailor.

ELECTROCOATING

E-Coat is an environmentally friendly coating that provides complete coverage and a wide range of performance properties, formulated to meet corrosion, durability and other performance specifications. Electrocoating is a highly automated process in which paint is electrically deposited onto a metal foundation. Film build thickness is uniform and overall application efficiencies are in excess of 90%. Paint is consistent on all part-to-part surfaces, preventing sags, runs or drips. E-Coat offers flexibility, better first yield pass and quicker production times compared to other forms of paint applications. Electrocoating is an excellent solution that offers superior properties and uniform finish.

CLEAR ANODIZING (Aluminum products only)

Clear anodizing is a clear oxide coating that exemplifies an aluminum surface's natural oxide coating producing a hard, scratch resistant surface that is resistant to general wear and mild chemicals. The process provides a natural looking, virtually maintenance free finish that will endure for many years.

COLOR ANODIZING (Aluminum products only)

Color anodizing is an electrolytic process where, after standard anodizing procedures, colored metallic pigments penetrate the oxide surface pores producing a corrosion resistant, colorfast finish. The process results in a natural metallic appearance that requires little maintenance.

BRUSHED AND CLEAR COAT

Available on specific aluminum products (consult applicable product page for availability). Surface is brushed to achieve a scratch finish texture before being degreased and chemically cleaned. A clear lacquer coating is then applied to provide a durable protective finish.

#4 BRUSHED SATIN POLISHED (Stainless Steel products only)

Surface is polished to ASTM A480 #4 standard to achieve a bright durable finish that is resistant to mild chemicals and corrosion. A final coating is not required due to the inherent anti-corrosion properties of the stainless steel.

PRIME COAT

Prime coat provides a stable base for painting in the field. Surface pretreatment includes degreasing and a chemical cleaning before an alkyd prime coat is applied. After a thorough cleaning for dust, etc. that can contaminate the final finish and cause premature flaking or peeling, finish coat should be field applied as soon as possible.

PAINT PREPARED ALUMINUM (Aluminum products only)

Allows for field applied paint. Surface preparation includes degreasing and a chemical cleaning followed by a clean rinse. Finish coat should be field applied as soon as possible.

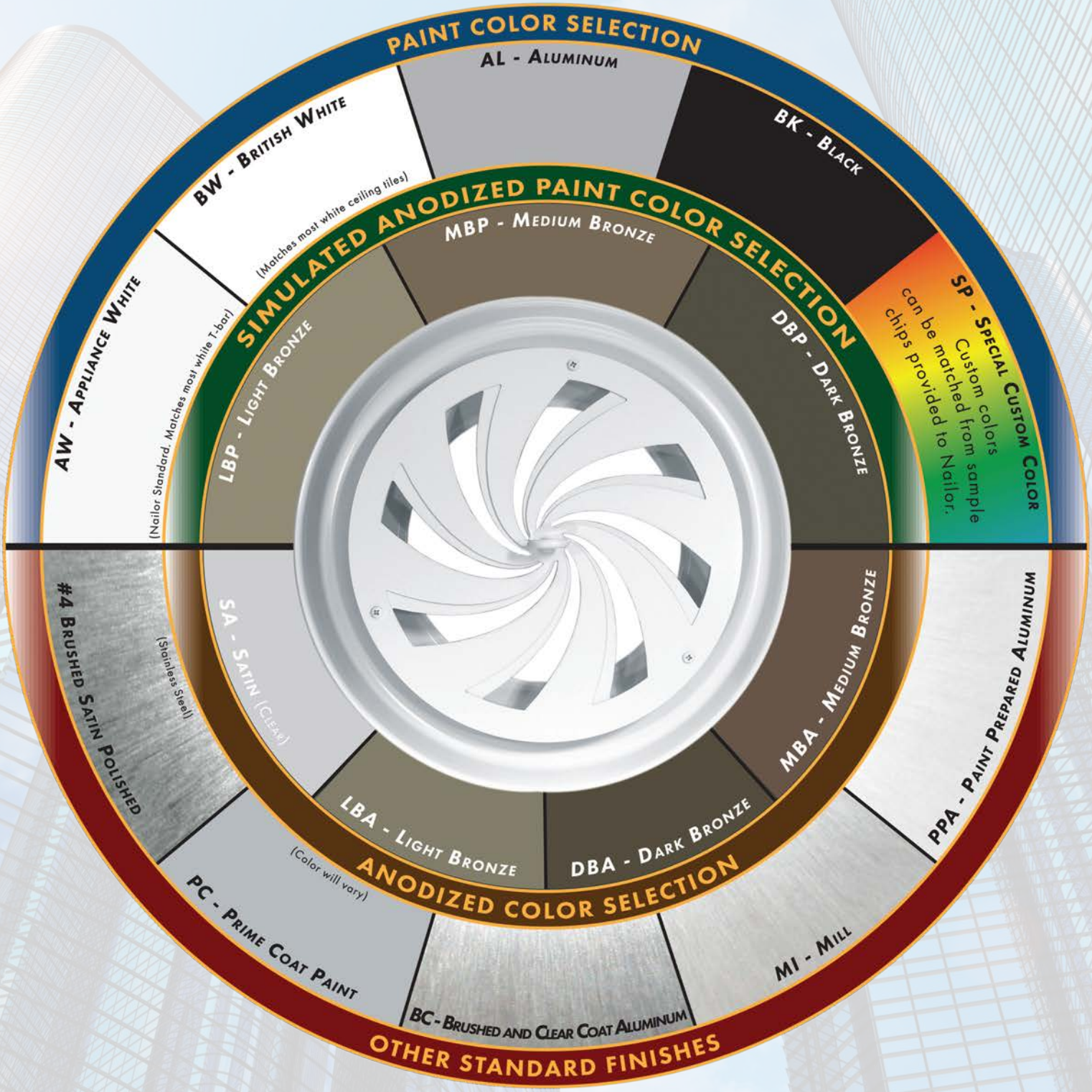
MILL FINISH

Surface is left untreated and requires cleaning, degreasing, etc. in the field before final finish can be applied if required.

Nailor® Industries Inc.

Standard and Optional Finishes For Grilles and Diffusers

The following standard colors and finishes are available on applicable Nailor air distribution products. Consult individual product pages for availability



The pictured finishes have been represented as best as possible within printing limitations. However, actual finish may vary. Contact your Nailor representative for a color chip sample on the material specified for a more accurate representation.

DBK - Black (for registers ordered with factory mounted dampers) - ***BA*** - Perforated Diffusers (4300 series only) Appliance White (AW) face with black back pan and pattern controllers.

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 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 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.

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 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.

Performance Data

Model Series 5700 • 1/2" (13) Slot Width

1 Slot • 24" (610) Long • Models 5750(I)

6" Round Inlet	Airflow, CFM	15	25	35	50	60	65	80
	TP	.015	.028	.043	.063	.110	.170	.290
	NC	13	20	27	35	38	41	44
	T	1-3-6	2-4-9	5-7-11	7-9-13	8-10-15	9-11-16	10-12-18

1 Slot • 48" (1219) Long • Models 5750(I)

8" Round Inlet	Airflow, CFM	30	50	70	100	120	130	160
	TP	.019	.030	.048	.081	.125	.195	.310
	NC	13	20	28	35	38	41	44
	T	3-5-10	5-8-12	7-11-15	11-13-18	12-15-21	13-16-22	14-17-24

2 Slot • 24" (610) Long • Models 5750(I)

6" Round Inlet	Airflow, CFM	30	50	70	100	120	130	160
	TP	.026	.040	.069	.121	.178	.299	.385
	NC	13	21	27	35	38	41	43
	T	1-2-5	5-8-13	7-11-16	11-13-19	12-15-21	13-16-22	14-17-24

2 Slot • 48" (1219) Long • Models 5750(I)

8" Round Inlet	Airflow, CFM	60	100	140	200	240	260	320
	TP	.031	.054	.073	.131	.193	.334	.416
	NC	14	20	27	34	39	41	44
	T	1-2-5	7-11-19	10-16-23	15-19-26	17-21-31	18-22-32	19-23-34

3 Slot • 24" (610) Long • Models 5750(I)

6" Round Inlet	Airflow, CFM	45	75	105	150	180	195	240
	TP	.051	.073	.121	.195	.294	.416	.615
	NC	14	20	26	35	39	40	44
	T	4-6-12	6-10-16	9-13-19	13-16-23	15-18-25	15-18-26	16-20-28

3 Slot • 48" (1219) Long • Models 5750(I)

8" Round Inlet	Airflow, CFM	90	150	210	300	360	390	480
	TP	.055	.091	.135	.205	.310	.425	.630
	NC	15	21	27	35	39	41	46
	T	6-9-19	9-15-25	12-20-28	19-25-35	21-27-38	22-28-40	24-32-45

4 Slot • 24" (610) Long • Models 5750(I)

6" Round Inlet	Airflow, CFM	60	100	140	200	240	260	320
	TP	.060	.095	.145	.220	.320	.550	.875
	NC	15	19	27	36	39	42	46
	T	5-7-13	7-11-19	10-16-23	16-20-28	18-22-30	20-23-32	22-25-35

4 Slot • 48" (1219) Long • Models 5750(I)

8" Round Inlet	Airflow, CFM	120	200	280	400	480	520	640
	TP	.065	.099	.161	.240	.380	.610	.910
	NC	14	20	27	35	39	41	47
	T	7-12-23	11-16-28	15-23-33	22-28-40	25-31-42	26-32-45	29-36-50

CFM - cubic feet per minute

TP - total pressure - inches w.g.

T - throw in feet

NC - Noise Criteria (values) based on 10 dB room absorption, re 10^{-12} watts.

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. 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.
3. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Number of Slots	Ak Factor per foot	
	Supply	Return
1	.023	.023
2	.043	.043
3	.067	.067
4	.088	.088

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 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.

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 5800

MODEL: 5810(I) • 1" (25) SLOT WIDTH

3 Slot • 24" (610) Long

6" Round Inlet	**Airflow, CFM**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**
	Total Pressure	.019	.035	.054	.078	.106	.138	.175	.216
	Noise Criteria	–	16	21	25	29	32	35	38
	Throw	2-4-8	3-5-9	4-6-10	5-7-11	6-8-12	7-9-14	7-10-15	8-10-16
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	–	17	22	25	28	31	34	36
	Throw	3-5-9	4-6-10	5-7-11	6-8-12	7-9-14	7-10-15	8-10-16	8-11-17
10" Oval Inlet	**Airflow, CFM**	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**
	Total Pressure	.024	.034	.046	.061	.077	.095	.115	.136
	Noise Criteria	15	19	22	25	28	31	33	35
	Throw	4-6-10	5-7-11	6-8-12	7-9-14	7-10-15	8-10-16	8-11-17	9-11-18

3 Slot • 48" (1219) Long

6" Round Inlet	**Airflow, CFM**	**125**	**150**	**175**	**200**	**225**	**250**	**275**	**300**
	Total Pressure	.058	.083	.113	.148	.187	.231	.280	.333
	Noise Criteria	16	20	24	27	30	33	35	37
	Throw	2-4-10	3-6-12	5-7-14	5-8-15	6-8-16	7-9-17	7-10-18	7-11-18
8" Round Inlet	**Airflow, CFM**	**150**	**175**	**200**	**225**	**250**	**275**	**300**	**325**
	Total Pressure	.039	.053	.069	.088	.108	.131	.156	.183
	Noise Criteria	17	20	23	26	29	31	33	35
	Throw	3-6-12	5-7-14	5-8-15	6-8-16	7-9-17	7-10-18	7-11-18	8-12-20
10" Oval Inlet	**Airflow, CFM**	**175**	**200**	**225**	**250**	**275**	**300**	**325**	**350**
	Total Pressure	.036	.047	.060	.074	.089	.106	.125	.145
	Noise Criteria	17	20	23	25	27	29	31	33
	Throw	5-7-14	5-8-15	6-8-16	7-9-17	7-10-18	7-11-18	8-12-20	8-13-22
12" Oval Inlet	**Airflow, CFM**	**200**	**225**	**250**	**275**	**300**	**325**	**350**	**375**
	Total Pressure	.026	.032	.040	.048	.058	.068	.078	.090
	Noise Criteria	16	19	22	24	26	28	30	32
	Throw	5-8-15	6-8-16	7-9-17	7-10-18	7-11-18	8-12-20	8-13-22	9-14-23

3 Slot • 60" (1524) Long

8" Round Inlet	**Airflow, CFM**	**180**	**210**	**240**	**270**	**300**	**330**	**360**	**390**
	Total Pressure	.051	.069	.090	.114	.141	.170	.203	.238
	Noise Criteria	17	20	24	27	30	32	34	36
	Throw	3-7-13	4-8-15	6-9-17	6-10-18	7-11-19	7-12-20	8-13-22	8-14-23
10" Oval Inlet	**Airflow, CFM**	**210**	**240**	**270**	**300**	**330**	**360**	**390**	**420**
	Total Pressure	.044	.058	.073	.090	.109	.130	.152	.176
	Noise Criteria	19	21	24	26	29	31	33	35
	Throw	4-8-15	6-9-17	6-10-18	7-11-19	7-12-20	8-13-22	8-14-23	9-15-24
12" Oval Inlet	**Airflow, CFM**	**240**	**270**	**300**	**330**	**360**	**390**	**420**	**450**
	Total Pressure	.029	.037	.046	.056	.066	.078	.090	.103
	Noise Criteria	18	20	22	25	27	29	31	33
	Throw	6-9-17	6-10-18	7-11-19	7-12-20	8-13-22	8-14-23	9-15-24	10-16-26

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

4 Slot • 24" (610) Long

6" Round Inlet	Airflow, CFM	75	100	125	150	175	200	225	250
	Total Pressure	.024	.043	.068	.098	.133	.174	.220	.271
	Noise Criteria	–	17	22	26	30	33	36	38
	Throw	3-5-10	4-7-11	6-8-12	6-8-13	7-9-15	7-10-16	8-11-18	8-11-19
8" Round Inlet	Airflow, CFM	100	125	150	175	200	225	250	275
	Total Pressure	.022	.034	.049	.066	.087	.109	.135	.164
	Noise Criteria	–	18	22	26	30	32	34	37
	Throw	4-7-11	6-8-12	6-8-13	7-9-15	7-10-16	8-11-18	8-11-19	9-13-21
10" Round Inlet	Airflow, CFM	125	150	175	200	225	250	275	300
	Total Pressure	.023	.033	.046	.059	.075	.093	.112	.134
	Noise Criteria	16	20	23	27	29	32	34	36
	Throw	6-8-12	6-8-13	7-9-15	7-10-16	8-11-18	8-11-19	9-13-21	9-14-22

4 Slot • 48" (1219) Long

6" Round Inlet	Airflow, CFM	160	190	220	250	280	310	340	370
	Total Pressure	.085	.119	.160	.207	.259	.318	.382	.453
	Noise Criteria	17	21	25	28	31	33	35	37
	Throw	3-6-14	5-7-15	6-8-16	7-10-17	7-11-18	8-12-19	8-13-20	9-14-21
8" Round Inlet	Airflow, CFM	190	220	250	280	310	340	370	400
	Total Pressure	.052	.070	.091	.114	.139	.168	.199	.232
	Noise Criteria	18	21	24	27	29	31	33	35
	Throw	5-7-15	6-8-16	7-10-17	7-11-18	8-12-19	8-13-20	9-14-21	9-14-22
10" Oval Inlet	Airflow, CFM	220	250	280	310	340	370	400	430
	Total Pressure	.044	.057	.071	.087	.105	.124	.145	.168
	Noise Criteria	18	21	24	26	28	30	32	34
	Throw	6-8-16	7-10-17	7-11-18	8-12-19	8-13-20	9-14-21	9-14-22	10-15-24
12" Oval Inlet	Airflow, CFM	250	280	310	340	370	400	430	460
	Total Pressure	.032	.040	.049	.059	.070	.082	.094	.108
	Noise Criteria	17	20	23	25	27	29	31	33
	Throw	7-10-17	7-11-18	8-12-19	8-13-20	9-14-21	9-14-22	10-15-24	10-16-26

4 Slot • 60" (1524) Long

8" Round Inlet	Airflow, CFM	220	260	300	340	380	420	460	500
	Total Pressure	.069	.096	.128	.164	.205	.250	.300	.354
	Noise Criteria	17	21	25	28	30	32	35	37
	Throw	4-6-13	6-8-15	7-10-17	8-12-19	9-13-21	9-14-22	10-15-23	10-16-24
10" Oval Inlet	Airflow, CFM	260	300	340	380	420	460	500	540
	Total Pressure	.058	.077	.099	.124	.151	.181	.214	.250
	Noise Criteria	19	22	25	28	30	32	34	36
	Throw	6-8-15	7-10-17	8-12-19	9-13-21	9-14-22	10-15-23	10-16-24	11-18-26
12" Oval Inlet	Airflow, CFM	300	340	380	420	460	500	540	580
	Total Pressure	.035	.045	.056	.069	.083	.098	.114	.131
	Noise Criteria	18	21	24	26	28	30	32	34
	Throw	7-10-17	8-12-19	9-13-21	9-14-22	10-15-23	10-16-24	11-18-26	12-19-28

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: 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