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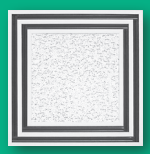
KRUEGER
Excellence in Air Distribution

DesignFlo® (DFL)
This architectural supply linear slot diffuser features aluminum extrusions with 1 or 2 slots from 1" to 3" slot widths. Custom curving is available.

- **DFL** - Linear
- **DFP** - Plenum
- **DFRH** - Return Hood
- **DFBO** - Blank Off
- **DFB** - DFL for Lay-in T-Bar
- **DFNT** - DFL for Narrow-T
- **DFMC** - Mitered Corner
- **DFC** - 4-Legged Junction
- **DFT** - 3-Legged Junction

1900, 1900M, 1900BOOT
This supply linear slot diffuser features aluminum extrusions with 1 to 8 slots from 1/2" to 2" slot widths. Custom curving and additional slots are available.

- **1900** - Linear
- **1900BOOT** - Boot
- **1900MC** - Mitered Corner

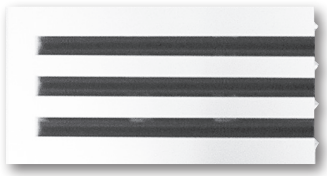


1900SQS, 1900SQSI, 1900SQR
These supply (1900SQS), return (1900SQR), and insulated supply (1900SQSI) linear slot diffusers feature linears in a square form with a ceiling tile center (by others).

TechZone® is a registered trademark of Armstrong®.

Curved 1900 with Deflectors

1900 with Butt Cut Both Ends and Blades



1900 with Butt Cut/End Cap and Blades

Introduction: 1900

The 1900 series slot diffuser provides superior appearance and optimum performance to any wall or ceiling design. A variety of finishes are available to blend, complement, or contrast with the ceiling system, walls, or interior design.

This diffuser series is typically applied in spaces requiring a very refined look or where strong architectural straight lines benefit from complementary lines in the air distribution product. The 1900 series diffusers are also applicable in spaces with very high ceilings due to its ability to produce a controlled vertical discharge air pattern. In these types of situations, the unit is typically installed to wash a wall with supply air or to project air downward into a corridor, including supermarket cold-aisles.

The 1900 series diffuser is an engineered product that has flexible airflow and pattern control with minimal pressure drop. In the horizontal discharge setting, the 1900 develops a strong ceiling pattern and flow adheres to the ceiling for moderate to long throws. In the vertical setting, air discharges straight down from the ceiling mounted diffuser. Intermediate and combination settings are easily made after installation. A diversity of frame styles offer a choice of diffusers that integrate with suspended ceilings, plaster ceilings, or walls.

MODEL
1900 - Linear Slot Diffuser

FEATURES
- Slot widths: 1/2” (1950), 3/4” (1975), 1” (1910), 1 1/2” (1915) and 2” (1920).
- 1 to 8 slots available with 1/2”, 3/4”, or 1” slots.
- 1 to 4 slots available with 1 1/2” or 2” slots.
- Extruded aluminum construction.
- Slots reveal standard black blades.
- Adjustable blades snap into several positions for airflow volume and pattern control.
- Blade may be removed to allow diffuser to serve as low-pressure-drop return.
- Linear appearance complements ceilings and walls with continuous architectural lines.
- Sections range from 12” to 72” long; units longer than 72” will consist of sections butted together.
- Inactive sections may be blanked-off using optional blank-off strips, which ship separately in 72” lengths to be field cut.

ACCESSORIES
- Blades.
- Mitered corners (model 1900MC).
- 1900BOOT plenum (model 1900BOOT).
- Blank-off strips (model BOS).

OPTIONS
- Custom curving.

FINISHES
- Standard frame finish is #44 British White.
- Other finishes available.
- Optional anodizing available.
- Blade finish is Black.

1900 Frame Style A: Standard Lay-In T-Bar

1900, AVAILABLE SIZES: FRAME STYLE A

1950 (1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	3/4" (19)	1/2" (13)	2" (51)	1 3/8" (35)
2	3/4" (19)	1/2" (13)	3 1/4" (83)	2 5/8" (67)
3	3/4" (19)	1/2" (13)	4 1/2" (114)	3 7/8" (98)
4	3/4" (19)	1/2" (13)	5 3/4" (146)	5 1/8" (130)
5	3/4" (19)	1/2" (13)	7" (178)	6 3/8" (162)
6	3/4" (19)	1/2" (13)	8 1/4" (210)	7 5/8" (194)
7	3/4" (19)	1/2" (13)	9 1/2" (241)	8 7/8" (225)
8	3/4" (19)	1/2" (13)	10 3/4" (273)	10 1/8" (257)

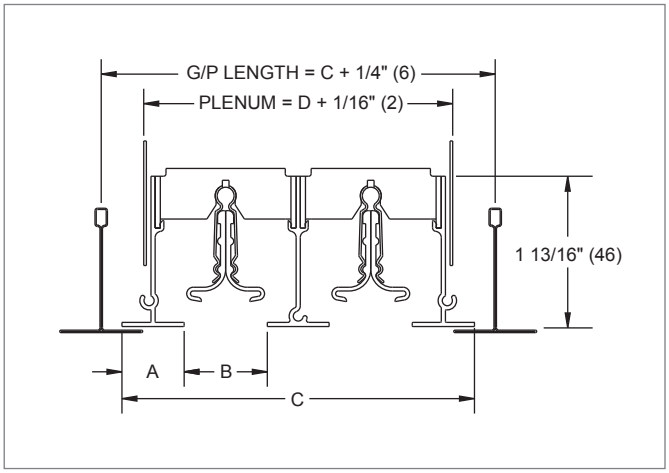
1975 (3/4" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	3/4" (19)	3/4" (19)	2 1/4" (57)	1 5/8" (41)
2	3/4" (19)	3/4" (19)	3 3/4" (95)	3 1/8" (79)
3	3/4" (19)	3/4" (19)	5 1/4" (133)	4 5/8" (117)
4	3/4" (19)	3/4" (19)	6 3/4" (171)	6 1/8" (156)
5	3/4" (19)	3/4" (19)	8 1/4" (210)	7 5/8" (194)
6	3/4" (19)	3/4" (19)	9 3/4" (248)	9 1/8" (232)
7	3/4" (19)	3/4" (19)	11 1/4" (286)	10 5/8" (270)
8	3/4" (19)	3/4" (19)	12 3/4" (324)	12 1/8" (308)

1910 (1" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	3/4" (19)	1" (25)	2 1/2" (64)	1 7/8" (48)
2	3/4" (19)	1" (25)	4 1/4" (108)	3 5/8" (92)
3	3/4" (19)	1" (25)	6" (152)	5 3/8" (137)
4	3/4" (19)	1" (25)	7 3/4" (197)	7 1/8" (181)
5	3/4" (19)	1" (25)	9 1/2" (241)	8 7/8" (225)
6	3/4" (19)	1" (25)	11 1/4" (286)	10 5/8" (270)
7	3/4" (19)	1" (25)	13" (330)	12 3/8" (314)
8	3/4" (19)	1" (25)	14 3/4" (375)	14 1/8" (359)

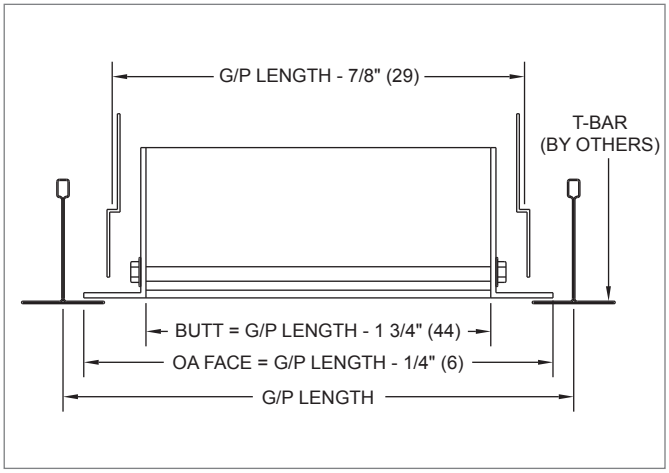
1915 (1 1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	3/4" (19)	1 1/2" (38)	3" (76)	2 3/8" (60)
2	3/4" (19)	1 1/2" (38)	5 1/4" (133)	4 5/8" (117)
3	3/4" (19)	1 1/2" (38)	7 1/2" (191)	6 7/8" (175)
4	3/4" (19)	1 1/2" (38)	9 3/4" (248)	9 1/8" (232)

1920 (2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	3/4" (19)	2" (51)	3 1/2" (89)	2 7/8" (73)
2	3/4" (19)	2" (51)	6 1/4" (159)	5 5/8" (143)
3	3/4" (19)	2" (51)	9" (229)	8 3/8" (213)
4	3/4" (19)	2" (51)	11 3/4" (298)	11 1/8" (283)

1900, CROSS SECTION: FRAME STYLE A



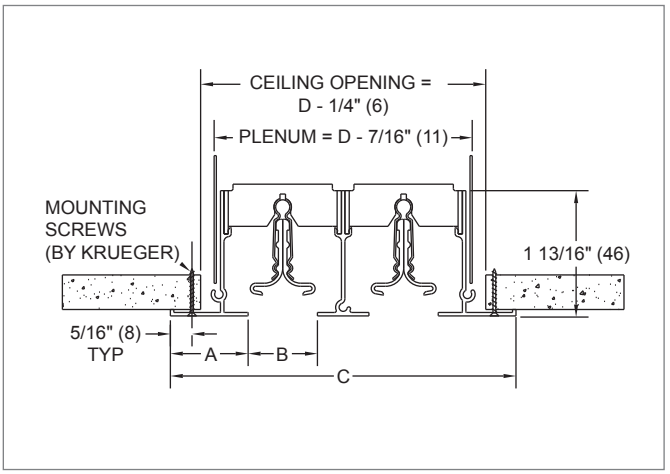
1900, SIDE VIEW: FRAME STYLE A



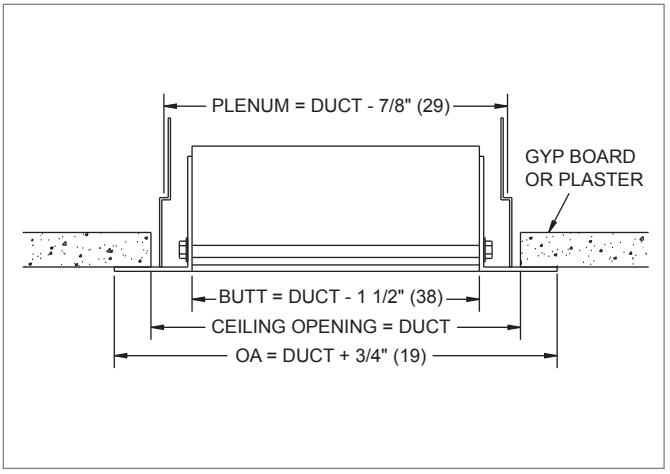
NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
G/P = Grid/Panel
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900 Frame Style B: Surface Mount With Screw Hole Fastening

1900, CROSS SECTION: FRAME STYLE B



1900, SIDE VIEW: FRAME STYLE B



NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900, AVAILABLE SIZES: FRAME STYLE B

1950 (1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1/2" (13)	2 3/4" (70)	1 7/8" (48)
2	1 1/8" (29)	1/2" (13)	4" (102)	3 1/8" (79)
3	1 1/8" (29)	1/2" (13)	5 1/4" (133)	4 3/8" (111)
4	1 1/8" (29)	1/2" (13)	6 1/2" (165)	5 5/8" (143)
5	1 1/8" (29)	1/2" (13)	7 3/4" (197)	6 7/8" (175)
6	1 1/8" (29)	1/2" (13)	9" (229)	8 1/8" (206)
7	1 1/8" (29)	1/2" (13)	10 1/4" (260)	9 3/8" (238)
8	1 1/8" (29)	1/2" (13)	11 1/2" (292)	10 5/8" (270)

1975 (3/4" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	3/4" (19)	3" (76)	2 1/8" (54)
2	1 1/8" (29)	3/4" (19)	4 1/2" (114)	3 5/8" (92)
3	1 1/8" (29)	3/4" (19)	6" (152)	5 1/8" (130)
4	1 1/8" (29)	3/4" (19)	7 1/2" (191)	6 5/8" (168)
5	1 1/8" (29)	3/4" (19)	9" (229)	8 1/8" (206)
6	1 1/8" (29)	3/4" (19)	10 1/2" (267)	9 5/8" (244)
7	1 1/8" (29)	3/4" (19)	12" (305)	11 1/8" (283)
8	1 1/8" (29)	3/4" (19)	13 1/2" (343)	12 5/8" (321)

1910 (1" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1" (25)	3 1/4" (83)	2 3/8" (60)
2	1 1/8" (29)	1" (25)	5" (127)	4 1/8" (105)
3	1 1/8" (29)	1" (25)	6 3/4" (171)	5 7/8" (149)
4	1 1/8" (29)	1" (25)	8 1/2" (216)	7 5/8" (194)
5	1 1/8" (29)	1" (25)	10 1/4" (260)	9 3/8" (238)
6	1 1/8" (29)	1" (25)	12" (305)	11 1/8" (283)
7	1 1/8" (29)	1" (25)	13 3/4" (349)	12 7/8" (327)
8	1 1/8" (29)	1" (25)	15 1/2" (394)	14 5/8" (371)

1915 (1 1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1 1/2" (38)	3 3/4" (95)	2 7/8" (73)
2	1 1/8" (29)	1 1/2" (38)	6" (152)	5 1/8" (130)
3	1 1/8" (29)	1 1/2" (38)	8 1/4" (210)	7 3/8" (187)
4	1 1/8" (29)	1 1/2" (38)	10 1/2" (267)	9 5/8" (244)

1920 (2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	2" (51)	4 1/4" (108)	3 3/8" (86)
2	1 1/8" (29)	2" (51)	7" (178)	6 1/8" (156)
3	1 1/8" (29)	2" (51)	9 3/4" (248)	8 7/8" (225)
4	1 1/8" (29)	2" (51)	12 1/2" (318)	11 5/8" (295)

1900 Frame Style C: Surface Mount With Concealed Fastening

1900, AVAILABLE SIZES: FRAME STYLE C

1950 (1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1/2" (13)	2 3/4" (70)	2" (51)
2	1 1/8" (29)	1/2" (13)	4" (102)	3 1/4" (83)
3	1 1/8" (29)	1/2" (13)	5 1/4" (133)	4 1/2" (114)
4	1 1/8" (29)	1/2" (13)	6 1/2" (165)	5 3/4" (146)
5	1 1/8" (29)	1/2" (13)	7 3/4" (197)	7" (178)
6	1 1/8" (29)	1/2" (13)	9" (229)	8 1/4" (210)
7	1 1/8" (29)	1/2" (13)	10 1/4" (260)	9 1/2" (241)
8	1 1/8" (29)	1/2" (13)	11 1/2" (292)	10 3/4" (273)

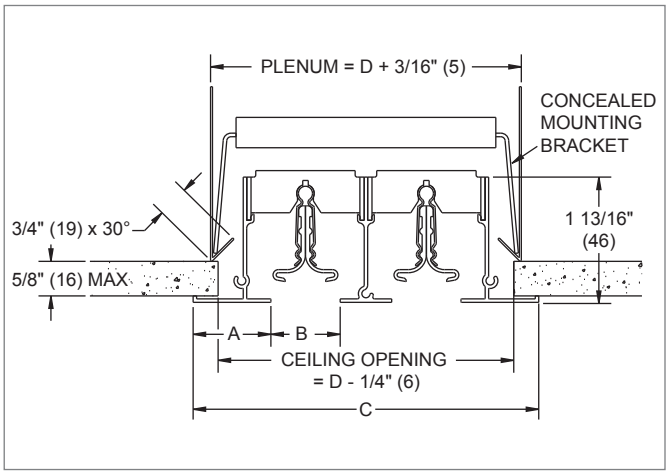
1975 (3/4" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	3/4" (19)	3" (76)	2 1/4" (57)
2	1 1/8" (29)	3/4" (19)	4 1/2" (114)	3 3/4" (95)
3	1 1/8" (29)	3/4" (19)	6" (152)	5 1/4" (133)
4	1 1/8" (29)	3/4" (19)	7 1/2" (191)	6 3/4" (171)
5	1 1/8" (29)	3/4" (19)	9" (229)	8 1/4" (210)
6	1 1/8" (29)	3/4" (19)	10 1/2" (267)	9 3/4" (248)
7	1 1/8" (29)	3/4" (19)	12" (305)	11 1/4" (286)
8	1 1/8" (29)	3/4" (19)	13 1/2" (343)	12 3/4" (324)

1910 (1" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1" (25)	3 1/4" (83)	2 1/2" (64)
2	1 1/8" (29)	1" (25)	5" (127)	4 1/4" (108)
3	1 1/8" (29)	1" (25)	6 3/4" (171)	6" (152)
4	1 1/8" (29)	1" (25)	8 1/2" (216)	7 3/4" (197)
5	1 1/8" (29)	1" (25)	10 1/4" (260)	9 1/2" (241)
6	1 1/8" (29)	1" (25)	12" (305)	11 1/4" (286)
7	1 1/8" (29)	1" (25)	13 3/4" (349)	13" (330)
8	1 1/8" (29)	1" (25)	15 1/2" (394)	14 3/4" (375)

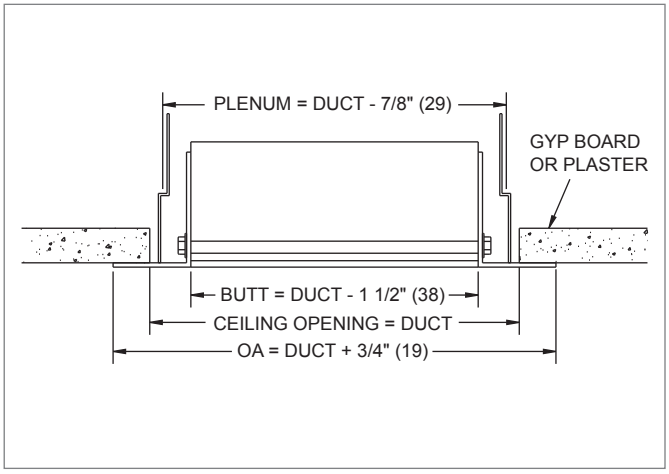
1915 (1 1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1 1/2" (38)	3 3/4" (95)	3" (76)
2	1 1/8" (29)	1 1/2" (38)	6" (152)	5 1/4" (133)
3	1 1/8" (29)	1 1/2" (38)	8 1/4" (210)	7 1/2" (191)
4	1 1/8" (29)	1 1/2" (38)	10 1/2" (267)	9 3/4" (248)

1920 (2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	2" (51)	4 1/4" (108)	3 1/2" (89)
2	1 1/8" (29)	2" (51)	7" (178)	6 1/4" (159)
3	1 1/8" (29)	2" (51)	9 3/4" (248)	9" (229)
4	1 1/8" (29)	2" (51)	12 1/2" (318)	11 3/4" (298)

1900, CROSS SECTION: FRAME STYLE C



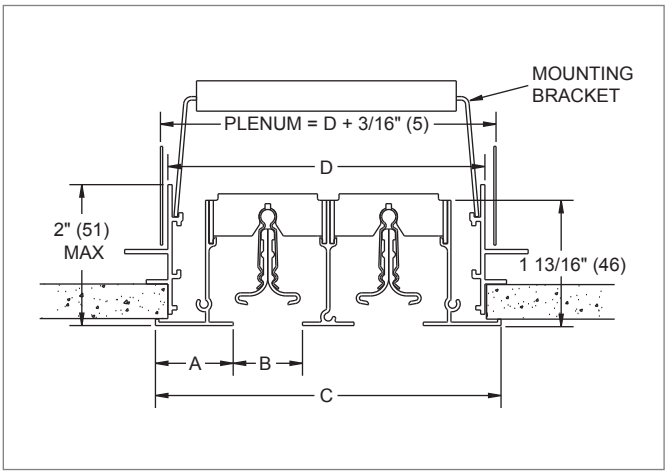
1900, SIDE VIEW: FRAME STYLE C



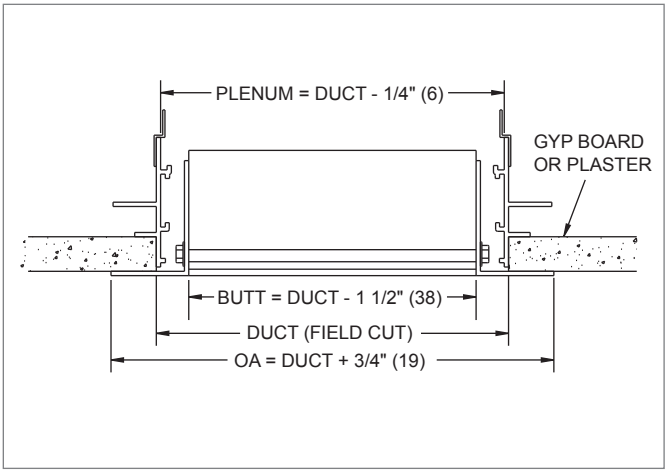
NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900 Frame Style D: Plaster Tile Mount With Concealed Fastening

1900, CROSS SECTION: FRAME STYLE D



1900, SIDE VIEW: FRAME STYLE D



NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900, AVAILABLE SIZES: FRAME STYLE D

1950 (1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1/2" (13)	2 3/4" (70)	2" (51)
2	1 1/8" (29)	1/2" (13)	4" (102)	3 1/4" (83)
3	1 1/8" (29)	1/2" (13)	5 1/4" (133)	4 1/2" (114)
4	1 1/8" (29)	1/2" (13)	6 1/2" (165)	5 3/4" (146)
5	1 1/8" (29)	1/2" (13)	7 3/4" (197)	7" (178)
6	1 1/8" (29)	1/2" (13)	9" (229)	8 1/4" (210)
7	1 1/8" (29)	1/2" (13)	10 1/4" (260)	9 1/2" (241)
8	1 1/8" (29)	1/2" (13)	11 1/2" (292)	10 3/4" (273)

1975 (3/4" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	3/4" (19)	3" (76)	2 1/4" (57)
2	1 1/8" (29)	3/4" (19)	4 1/2" (114)	3 3/4" (95)
3	1 1/8" (29)	3/4" (19)	6" (152)	5 1/4" (133)
4	1 1/8" (29)	3/4" (19)	7 1/2" (191)	6 3/4" (171)
5	1 1/8" (29)	3/4" (19)	9" (229)	8 1/4" (210)
6	1 1/8" (29)	3/4" (19)	10 1/2" (267)	9 3/4" (248)
7	1 1/8" (29)	3/4" (19)	12" (305)	11 1/4" (286)
8	1 1/8" (29)	3/4" (19)	13 1/2" (343)	12 3/4" (324)

1910 (1" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1" (25)	3 1/4" (83)	2 1/2" (64)
2	1 1/8" (29)	1" (25)	5" (127)	4 1/4" (108)
3	1 1/8" (29)	1" (25)	6 3/4" (171)	6" (152)
4	1 1/8" (29)	1" (25)	8 1/2" (216)	7 3/4" (197)
5	1 1/8" (29)	1" (25)	10 1/4" (260)	9 1/2" (241)
6	1 1/8" (29)	1" (25)	12" (305)	11 1/4" (286)
7	1 1/8" (29)	1" (25)	13 3/4" (349)	13" (330)
8	1 1/8" (29)	1" (25)	15 1/2" (394)	14 3/4" (375)

1915 (1 1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1 1/2" (38)	3 3/4" (95)	3" (76)
2	1 1/8" (29)	1 1/2" (38)	6" (152)	5 1/4" (133)
3	1 1/8" (29)	1 1/2" (38)	8 1/4" (210)	7 1/2" (191)
4	1 1/8" (29)	1 1/2" (38)	10 1/2" (267)	9 3/4" (248)

1920 (2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	2" (51)	4 1/4" (108)	3 1/2" (89)
2	1 1/8" (29)	2" (51)	7" (178)	6 1/4" (159)
3	1 1/8" (29)	2" (51)	9 3/4" (248)	9" (229)
4	1 1/8" (29)	2" (51)	12 1/2" (318)	11 3/4" (298)

1900 Frame Style E: Surface Mount With Sub-frame & Concealed Fastening

1900, AVAILABLE SIZES: FRAME STYLE E

1950 (1/2" Slot Width)				
Slot	A	B	C	D
1	1 1/8" (29)	1/2" (13)	2 3/4" (70)	2" (51)
2	1 1/8" (29)	1/2" (13)	4" (102)	3 1/4" (83)
3	1 1/8" (29)	1/2" (13)	5 1/4" (133)	4 1/2" (114)
4	1 1/8" (29)	1/2" (13)	6 1/2" (165)	5 3/4" (146)
5	1 1/8" (29)	1/2" (13)	7 3/4" (197)	7" (178)
6	1 1/8" (29)	1/2" (13)	9" (229)	8 1/4" (210)
7	1 1/8" (29)	1/2" (13)	10 1/4" (260)	9 1/2" (241)
8	1 1/8" (29)	1/2" (13)	11 1/2" (292)	10 3/4" (273)

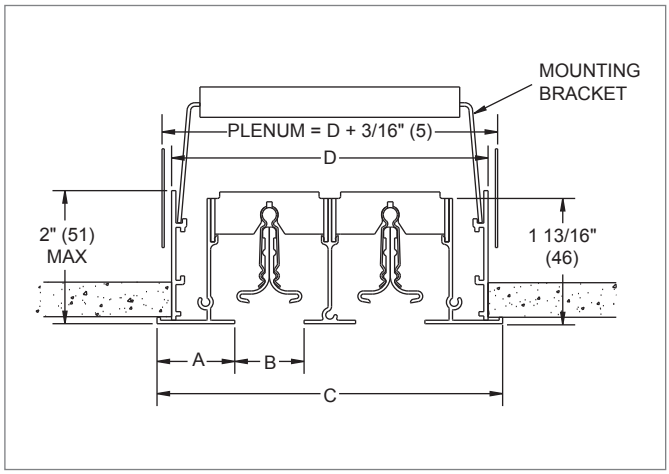
1975 (3/4" Slot Width)				
Slot	A	B	C	D
1	1 1/8" (29)	3/4" (19)	3" (76)	2 1/4" (57)
2	1 1/8" (29)	3/4" (19)	4 1/2" (114)	3 3/4" (95)
3	1 1/8" (29)	3/4" (19)	6" (152)	5 1/4" (133)
4	1 1/8" (29)	3/4" (19)	7 1/2" (191)	6 3/4" (171)
5	1 1/8" (29)	3/4" (19)	9" (229)	8 1/4" (210)
6	1 1/8" (29)	3/4" (19)	10 1/2" (267)	9 3/4" (248)
7	1 1/8" (29)	3/4" (19)	12" (305)	11 1/4" (286)
8	1 1/8" (29)	3/4" (19)	13 1/2" (343)	12 3/4" (324)

1910 (1" Slot Width)				
Slot	A	B	C	D
1	1 1/8" (29)	1" (25)	3 1/4" (83)	2 1/2" (64)
2	1 1/8" (29)	1" (25)	5" (127)	4 1/4" (108)
3	1 1/8" (29)	1" (25)	6 3/4" (171)	6" (152)
4	1 1/8" (29)	1" (25)	8 1/2" (216)	7 3/4" (197)
5	1 1/8" (29)	1" (25)	10 1/4" (260)	9 1/2" (241)
6	1 1/8" (29)	1" (25)	12" (305)	11 1/4" (286)
7	1 1/8" (29)	1" (25)	13 3/4" (349)	13" (330)
8	1 1/8" (29)	1" (25)	15 1/2" (394)	14 3/4" (375)

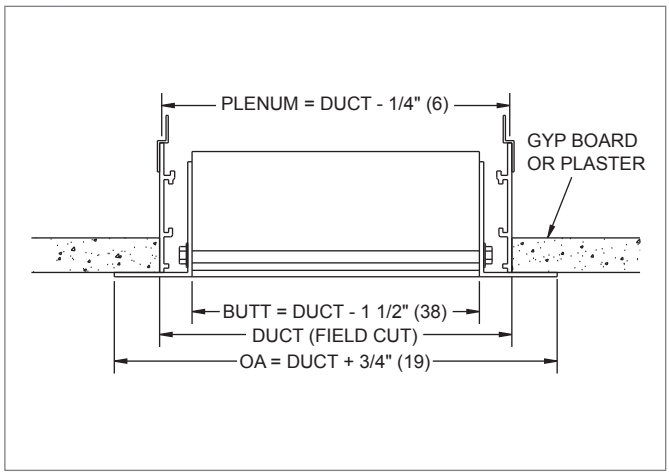
1915 (1 1/2" Slot Width)				
Slot	A	B	C	D
1	1 1/8" (29)	1 1/2" (38)	3 3/4" (95)	3" (76)
2	1 1/8" (29)	1 1/2" (38)	6" (152)	5 1/4" (133)
3	1 1/8" (29)	1 1/2" (38)	8 1/4" (210)	7 1/2" (191)
4	1 1/8" (29)	1 1/2" (38)	10 1/2" (267)	9 3/4" (248)

1920 (2" Slot Width)				
Slot	A	B	C	D
1	1 1/8" (29)	2" (51)	4 1/4" (108)	3 1/2" (89)
2	1 1/8" (29)	2" (51)	7" (178)	6 1/4" (159)
3	1 1/8" (29)	2" (51)	9 3/4" (248)	9" (229)
4	1 1/8" (29)	2" (51)	12 1/2" (318)	11 3/4" (298)

1900, CROSS SECTION: FRAME STYLE E



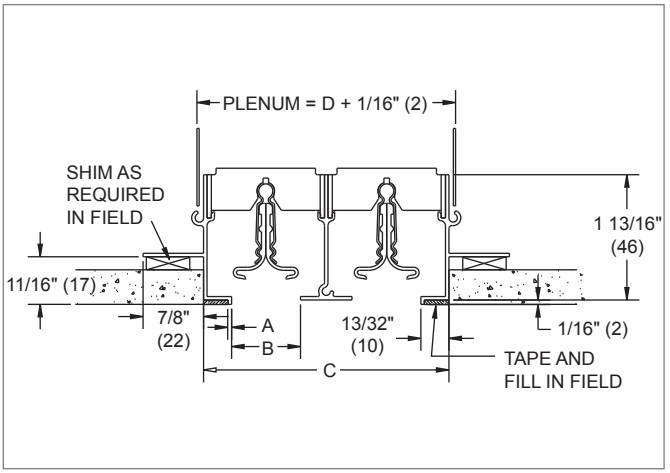
1900, SIDE VIEW: FRAME STYLE E



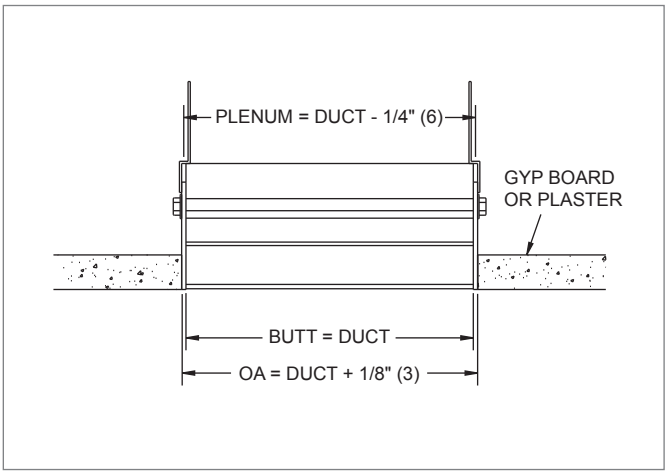
NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900 Frame Style F: "Discrete" Plaster Mount With Concealed Frame

1900, CROSS SECTION: FRAME STYLE F



1900, SIDE VIEW: FRAME STYLE F



NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
* *End plates on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900, AVAILABLE SIZES: FRAME STYLE F

1950 (1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1/16" (2)	1/2" (13)	1 5/16" (33)	1 3/8" (35)
2	1/16" (2)	1/2" (13)	2 9/16" (65)	2 5/8" (67)
3	1/16" (2)	1/2" (13)	3 13/16" (97)	3 7/8" (98)
4	1/16" (2)	1/2" (13)	5 1/16" (129)	5 1/8" (130)
5	1/16" (2)	1/2" (13)	6 5/16" (160)	6 3/8" (162)
6	1/16" (2)	1/2" (13)	7 9/16" (192)	7 5/8" (194)
7	1/16" (2)	1/2" (13)	8 13/16" (224)	8 7/8" (225)
8	1/16" (2)	1/2" (13)	10 1/16" (256)	10 1/8" (257)

1975 (3/4" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1/16" (2)	3/4" (19)	1 9/16" (40)	1 5/8" (41)
2	1/16" (2)	3/4" (19)	3 1/16" (78)	3 1/8" (79)
3	1/16" (2)	3/4" (19)	4 9/16" (116)	4 5/8" (117)
4	1/16" (2)	3/4" (19)	6 1/16" (154)	6 1/8" (156)
5	1/16" (2)	3/4" (19)	7 9/16" (192)	7 5/8" (194)
6	1/16" (2)	3/4" (19)	9 1/16" (230)	9 1/8" (232)
7	1/16" (2)	3/4" (19)	10 9/16" (268)	10 5/8" (270)
8	1/16" (2)	3/4" (19)	12 1/16" (306)	12 1/8" (308)

1910 (1" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1/16" (2)	1" (25)	1 13/16" (46)	1 7/8" (48)
2	1/16" (2)	1" (25)	3 9/16" (90)	3 5/8" (29)
3	1/16" (2)	1" (25)	5 5/16" (135)	5 3/8" (137)
4	1/16" (2)	1" (25)	7 1/16" (179)	7 1/8" (181)
5	1/16" (2)	1" (25)	8 13/16" (224)	8 7/8" (225)
6	1/16" (2)	1" (25)	10 9/16" (268)	10 5/8" (270)
7	1/16" (2)	1" (25)	12 5/16" (313)	12 3/8" (314)
8	1/16" (2)	1" (25)	14 1/16" (357)	14 1/8" (359)

1915 (1 1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1/16" (2)	1 1/2" (38)	2 5/16" (59)	2 3/8" (60)
2	1/16" (2)	1 1/2" (38)	4 9/16" (116)	4 5/8" (117)
3	1/16" (2)	1 1/2" (38)	6 13/16" (173)	6 7/8" (175)
4	1/16" (2)	1 1/2" (38)	9 1/16" (230)	9 1/8" (232)

1920 (2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1/16" (2)	2" (51)	2 13/16" (71)	2 7/8" (73)
2	1/16" (2)	2" (51)	5 9/16" (141)	5 5/8" (143)
3	1/16" (2)	2" (51)	8 5/16" (211)	8 3/8" (213)
4	1/16" (2)	2" (51)	11 1/16" (281)	11 1/8" (283)

1900 Frame Style I: Spline Ceiling

1900, AVAILABLE SIZES: FRAME STYLE I

1950 (1/2" Slot Width)				
Slot	A	B	C	D
1	7/16" (11)	1/2" (13)	1 3/8" (35)	1 7/16" (37)
2	7/16" (11)	1/2" (13)	2 5/8" (67)	2 11/16" (68)
3	7/16" (11)	1/2" (13)	3 7/8" (98)	3 15/16" (100)
4	7/16" (11)	1/2" (13)	5 1/8" (130)	5 3/16" (132)
5	7/16" (11)	1/2" (13)	6 3/8" (162)	6 7/16" (164)
6	7/16" (11)	1/2" (13)	7 5/8" (194)	7 11/16" (195)
7	7/16" (11)	1/2" (13)	8 7/8" (225)	8 15/16" (227)
8	7/16" (11)	1/2" (13)	10 1/8" (257)	10 3/16" (259)

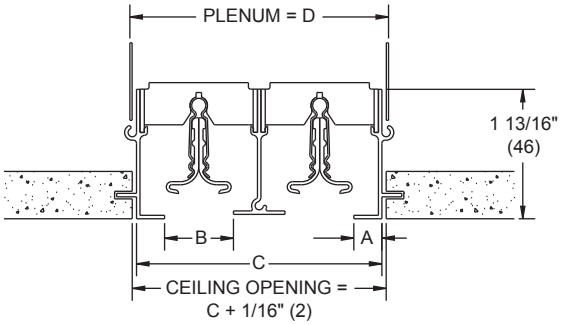
1975 (3/4" Slot Width)				
Slot	A	B	C	D
1	7/16" (11)	3/4" (19)	1 5/8" (41)	1 11/16" (43)
2	7/16" (11)	3/4" (19)	3 1/8" (79)	3 3/16" (81)
3	7/16" (11)	3/4" (19)	4 5/8" (117)	4 11/16" (119)
4	7/16" (11)	3/4" (19)	6 1/8" (156)	6 3/16" (157)
5	7/16" (11)	3/4" (19)	7 5/8" (194)	7 11/16" (195)
6	7/16" (11)	3/4" (19)	9 1/8" (232)	9 3/16" (233)
7	7/16" (11)	3/4" (19)	10 5/8" (270)	10 11/16" (271)
8	7/16" (11)	3/4" (19)	12 1/8" (308)	12 3/16" (310)

1910 (1" Slot Width)				
Slot	A	B	C	D
1	7/16" (11)	1" (25)	1 7/8" (48)	1 15/16" (49)
2	7/16" (11)	1" (25)	3 5/8" (92)	3 11/16" (94)
3	7/16" (11)	1" (25)	5 3/8" (137)	5 7/16" (138)
4	7/16" (11)	1" (25)	7 1/8" (181)	7 3/16" (183)
5	7/16" (11)	1" (25)	8 7/8" (225)	8 15/16" (227)
6	7/16" (11)	1" (25)	10 5/8" (270)	10 11/16" (271)
7	7/16" (11)	1" (25)	12 3/8" (314)	12 7/16" (316)
8	7/16" (11)	1" (25)	14 1/8" (359)	14 3/16" (360)

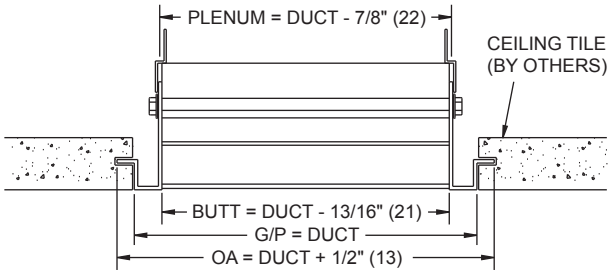
1915 (1 1/2" Slot Width)				
Slot	A	B	C	D
1	7/16" (11)	1 1/2" (38)	2 3/8" (60)	2 7/16" (62)
2	7/16" (11)	1 1/2" (38)	4 5/8" (117)	4 11/16" (119)
3	7/16" (11)	1 1/2" (38)	6 7/8" (175)	6 15/16" (176)
4	7/16" (11)	1 1/2" (38)	9 1/8" (232)	9 3/16" (233)

1920 (2" Slot Width)				
Slot	A	B	C	D
1	7/16" (11)	2" (51)	2 7/8" (73)	2 15/16" (75)
2	7/16" (11)	2" (51)	5 5/8" (143)	5 11/16" (144)
3	7/16" (11)	2" (51)	8 3/8" (213)	8 7/16" (214)
4	7/16" (11)	2" (51)	11 1/8" (283)	11 3/16" (284)

1900, CROSS SECTION: FRAME STYLE I



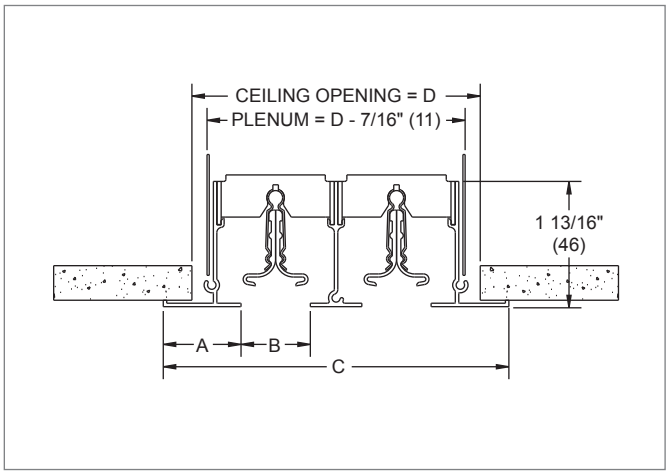
1900, SIDE VIEW: FRAME STYLE I



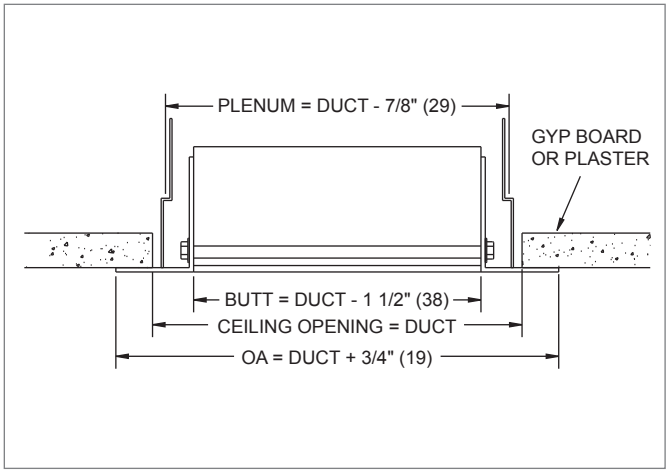
NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
G/P = Grid/Panel
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900 Frame Style J: Surface Mount With No Screw Holes

1900, CROSS SECTION: FRAME STYLE J



1900, SIDE VIEW: FRAME STYLE J



NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900, AVAILABLE SIZES: FRAME STYLE J

1950 (1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1/2" (13)	2 3/4" (70)	1 7/8" (48)
2	1 1/8" (29)	1/2" (13)	4" (102)	3 1/8" (79)
3	1 1/8" (29)	1/2" (13)	5 1/4" (133)	4 3/8" (111)
4	1 1/8" (29)	1/2" (13)	6 1/2" (165)	5 5/8" (143)
5	1 1/8" (29)	1/2" (13)	7 3/4" (197)	6 7/8" (175)
6	1 1/8" (29)	1/2" (13)	9" (229)	8 1/8" (206)
7	1 1/8" (29)	1/2" (13)	10 1/4" (260)	9 3/8" (238)
8	1 1/8" (29)	1/2" (13)	11 1/2" (292)	10 5/8" (270)

1975 (3/4" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	3/4" (19)	3" (76)	2 1/8" (54)
2	1 1/8" (29)	3/4" (19)	4 1/2" (114)	3 5/8" (92)
3	1 1/8" (29)	3/4" (19)	6" (152)	5 1/8" (130)
4	1 1/8" (29)	3/4" (19)	7 1/2" (191)	6 5/8" (168)
5	1 1/8" (29)	3/4" (19)	9" (229)	8 1/8" (206)
6	1 1/8" (29)	3/4" (19)	10 1/2" (267)	9 5/8" (244)
7	1 1/8" (29)	3/4" (19)	12" (305)	11 1/8" (283)
8	1 1/8" (29)	3/4" (19)	13 1/2" (343)	12 5/8" (321)

1910 (1" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1" (25)	3 1/4" (83)	2 3/8" (60)
2	1 1/8" (29)	1" (25)	5" (127)	4 1/8" (105)
3	1 1/8" (29)	1" (25)	6 3/4" (171)	5 7/8" (149)
4	1 1/8" (29)	1" (25)	8 1/2" (216)	7 5/8" (194)
5	1 1/8" (29)	1" (25)	10 1/4" (260)	9 3/8" (238)
6	1 1/8" (29)	1" (25)	12" (305)	11 1/8" (283)
7	1 1/8" (29)	1" (25)	13 3/4" (349)	12 7/8" (327)
8	1 1/8" (29)	1" (25)	15 1/2" (394)	14 5/8" (371)

1915 (1 1/2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	1 1/2" (38)	3 3/4" (95)	2 7/8" (73)
2	1 1/8" (29)	1 1/2" (38)	6" (152)	5 1/8" (130)
3	1 1/8" (29)	1 1/2" (38)	8 1/4" (210)	7 3/8" (187)
4	1 1/8" (29)	1 1/2" (38)	10 1/2" (267)	9 5/8" (244)

1920 (2" Slot Width)				
Slot	**A**	**B**	**C**	**D**
1	1 1/8" (29)	2" (51)	4 1/4" (108)	3 3/8" (86)
2	1 1/8" (29)	2" (51)	7" (178)	6 1/8" (156)
3	1 1/8" (29)	2" (51)	9 3/4" (248)	8 7/8" (225)
4	1 1/8" (29)	2" (51)	12 1/2" (318)	11 5/8" (295)

1900 Frame Style K: Narrow Bolted T-Bar

1900, AVAILABLE SIZES: FRAME STYLE K

1950 (1/2" Slot Width)				
Slot	A	B	C	D
1	13/32" (10)	1/2" (13)	1 5/16" (33)	1 7/16" (37)
2	13/32" (10)	1/2" (13)	2 9/16" (65)	2 11/16" (68)
3	13/32" (10)	1/2" (13)	3 13/16" (97)	3 15/16" (100)
4	13/32" (10)	1/2" (13)	5 1/16" (129)	5 3/16" (132)
5	13/32" (10)	1/2" (13)	6 5/16" (160)	6 7/16" (164)
6	13/32" (10)	1/2" (13)	7 9/16" (192)	7 11/16" (195)
7	13/32" (10)	1/2" (13)	8 13/16" (224)	8 15/16" (227)
8	13/32" (10)	1/2" (13)	10 1/16" (256)	10 3/16" (259)

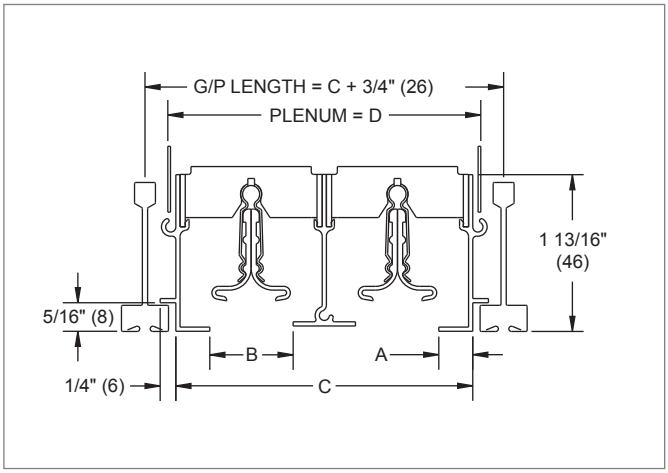
1975 (3/4" Slot Width)				
Slot	A	B	C	D
1	13/32" (10)	3/4" (19)	1 9/16" (40)	1 11/16" (43)
2	13/32" (10)	3/4" (19)	3 1/16" (78)	3 3/16" (81)
3	13/32" (10)	3/4" (19)	4 9/16" (116)	4 11/16" (119)
4	13/32" (10)	3/4" (19)	6 1/16" (154)	6 3/16" (157)
5	13/32" (10)	3/4" (19)	7 9/16" (192)	7 11/16" (195)
6	13/32" (10)	3/4" (19)	9 1/16" (230)	9 3/16" (233)
7	13/32" (10)	3/4" (19)	10 9/16" (268)	10 11/16" (271)
8	13/32" (10)	3/4" (19)	12 1/16" (306)	12 3/16" (310)

1910 (1" Slot Width)				
Slot	A	B	C	D
1	13/32" (10)	1" (25)	1 13/16" (46)	1 15/16" (49)
2	13/32" (10)	1" (25)	3 9/16" (90)	3 11/16" (94)
3	13/32" (10)	1" (25)	5 5/16" (135)	5 7/16" (138)
4	13/32" (10)	1" (25)	7 1/16" (179)	7 3/16" (183)
5	13/32" (10)	1" (25)	8 13/16" (224)	8 15/16" (227)
6	13/32" (10)	1" (25)	10 9/16" (268)	10 11/16" (271)
7	13/32" (10)	1" (25)	12 5/16" (313)	12 7/16" (316)
8	13/32" (10)	1" (25)	14 1/16" (357)	14 3/16" (360)

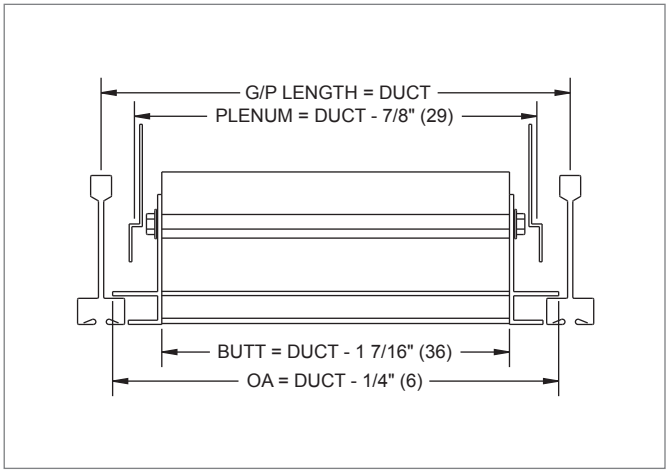
1915 (1 1/2" Slot Width)				
Slot	A	B	C	D
1	13/32" (10)	1 1/2" (38)	2 5/16" (59)	2 7/16" (62)
2	13/32" (10)	1 1/2" (38)	4 9/16" (116)	4 11/16" (119)
3	13/32" (10)	1 1/2" (38)	6 13/16" (173)	6 15/16" (176)
4	13/32" (10)	1 1/2" (38)	9 1/16" (230)	9 3/16" (233)

1920 (2" Slot Width)				
Slot	A	B	C	D
1	13/32" (10)	2" (51)	2 13/16" (71)	2 15/16" (75)
2	13/32" (10)	2" (51)	5 9/16" (141)	5 11/16" (144)
3	13/32" (10)	2" (51)	8 5/16" (211)	8 7/16" (214)
4	13/32" (10)	2" (51)	11 1/16" (281)	11 3/16" (284)

1900, CROSS SECTION: FRAME STYLE K



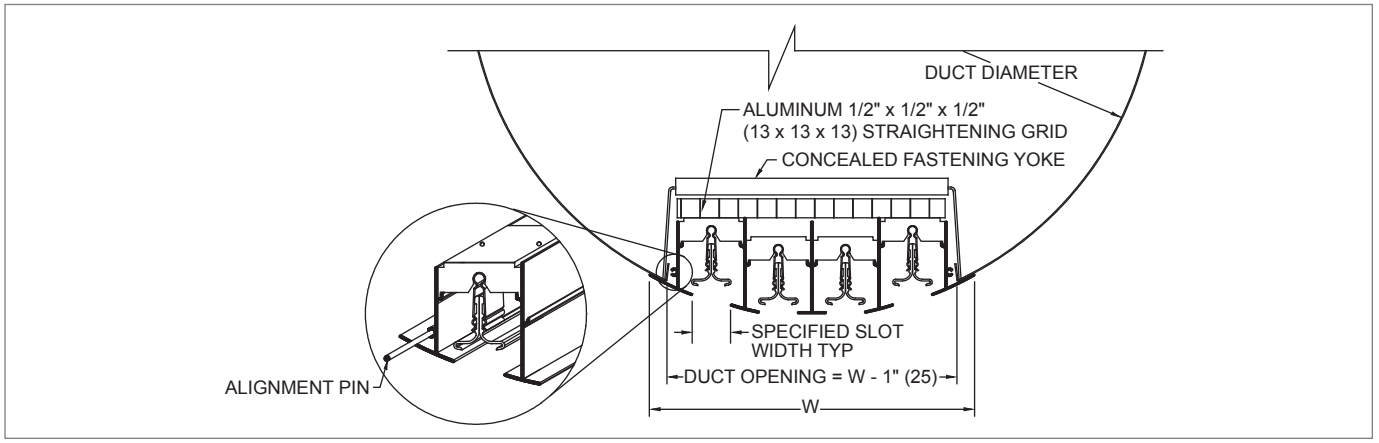
1900, SIDE VIEW: FRAME STYLE K



NOTES: Dimensions in parentheses are mm.
Duct = Ordered Length
OA = Overall Length
G/P = Grid/Panel
* *End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900 Frame Style L: Spiral Duct Mount

1900, CROSS SECTION: FRAME STYLE L



1900, AVAILABLE SIZES: FRAME STYLE L

1975 SLOTS	DUCT DIAMETER Ø	W	DO	S
1	10" (254) - 24" (610)	3" (76)	2" (51)	0.75" (19)
2	12" (305) - 24" (610)	4.5" (114)	3.5" (89)	
3	14" (356) - 30" (762)	6" (152)	5" (127)	
4	20" (508) - 30" (762)	7.5" (191)	6.5" (165)	
5	28" (711) - 48" (1219)	9" (229)	8" (203)	

1910 SLOTS	DUCT DIAMETER Ø	W	DO	S
1	10" (254) - 24" (610)	3.25" (83)	2.25" (57)	0.75" (19)
2	12" (305) - 28" (711)	5" (127)	4" (102)	
3	16" (406) - 32" (813)	6.75" (171)	5.75" (146)	
4	26" (660) - 48" (1219)	8.5" (216)	7.5" (191)	
5	36" (914) - 48" (1219)	10.25" (260)	9.25" (235)	

NOTES: Dimensions in parentheses are mm. See page E1-54 for length details.

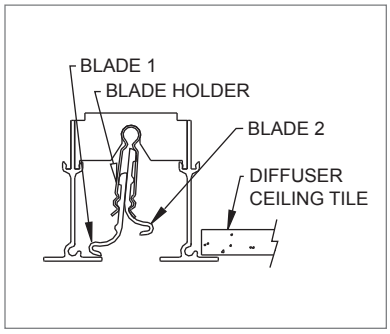
1900 Airflow Adjustment & Details

AIRFLOW ADJUSTMENT

The 1900 is capable of both volume and directional control. The blades pivot and slide up and down to give you total flexibility and control.

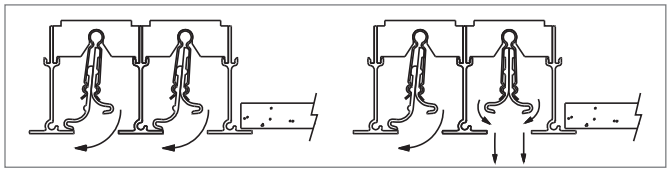
In the Blade Detail (below), locate the blades and blade holder. Each blade has three positions - up, mid, and down. Similarly, the blade holder has three positions - out, center, and in.

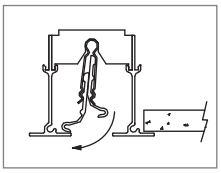
1900, BLADE DETAIL



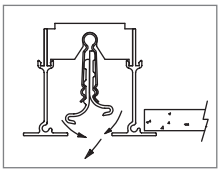
For this example, the blade holder is set to out; blade one is down and blade two is up. Keep in mind that slight variations in blade adjustment can have a big effect. The examples shown here are only a guide. In critical zones, actual airflow direction should be verified visually or by measurement.

MULTIPLE DIRECTIONAL THROW

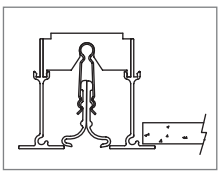




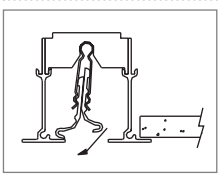
HORIZONTAL FULL FLOW
Blade Holder = Out
Blade 1 = Down
Blade 2 = Up
Result: Creates tight ceiling pattern.



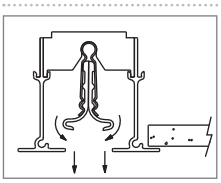
ANGLED FLOW
Blade Holder = Center
Blade 1 = Mid
Blade 2 = Up
Result: Deflects the pattern down slightly.



FULL DAMPERED
Blade Holder = Center
Blade 1 = Down
Blade 2 = Down
Result: Full dampered flow that is to be used for volume control only.



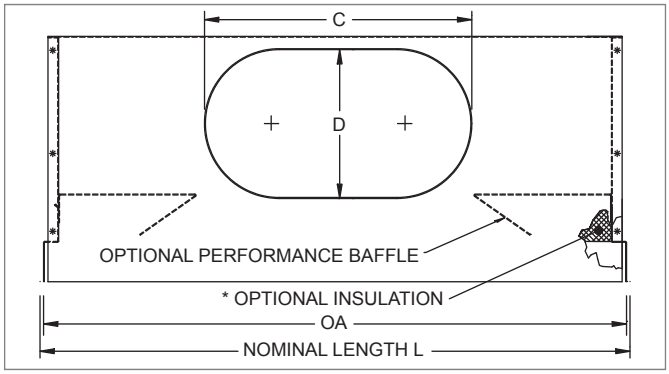
HORIZONTAL DAMPERED FLOW
Blade Holder = Out
Blade 1 = Down
Blade 2 = Mid
Result: Creates tight ceiling pattern with reduced air volume.



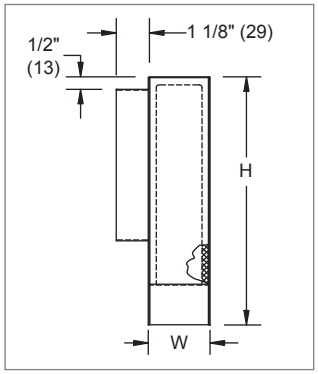
VERTICAL FLOW, BLADES UP
Blade Holder = Center
Blade 1 = Up
Blade 2 = Up
Result: Directs airflow downward; move both blades to mid for reduced flow.

1900BOOT Accessories

1900BOOT, FACE VIEW



BOOT SIDE VIEW



BOOT AVAILABLE SIZES

Inlet Size	C	D
6" Oval	6 1/4" (159)	5 1/4" (133)
8" Oval	9 3/8" (238)	5 1/4" (133)
10" Oval	12 1/2" (318)	5 1/4" (133)
12" Oval	14 1/8" (359)	7 7/8" (200)

1900BOOT, AVAILABLE LENGTHS

Model	Nominal Length L	Nominal Inlet Size
1950, 1975, 1910, 1915 1920	24" (610), 36" (914)	6, 8, 10
	48" (1219), 60" (1524), 72" (1829)	6, 8, 10, 12

End Border	Frame Styles	
	A, B, C, F, I, J, & K	D & E
	OA	
"E" (2) End Caps	L - 7/8" (22)	L - 1/4" (6)
"B" (2) Butt Cut	L - 1/4" (6)	L - 1/4" (6)
"P" (2) End Plates	L - 1/4" (6)	L - 1/4" (6)

Nominal Length L	Nominal Inlet Size
A, B, D, E, F, I, J, K	10.625" (270)
C	11" (280)

NOTES: Dimensions in parentheses are mm. 'OA' is overall length.

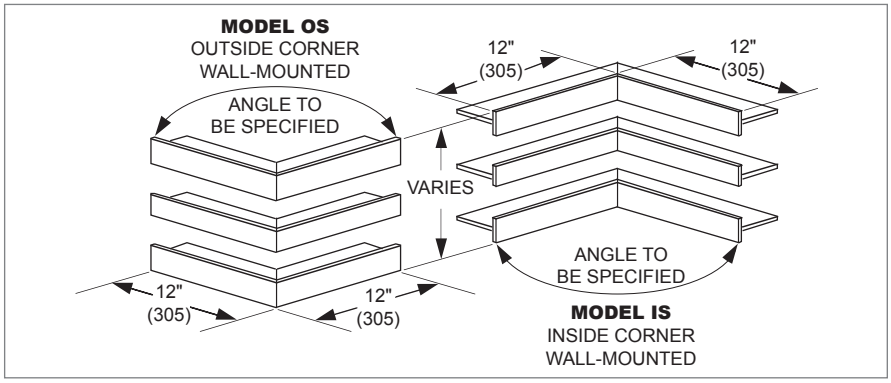
1900BOOT, AVAILABLE WIDTHS

Model	W Dimension for Frames A, B, F, I, J, & K			
	Number of Slots			
	1	2	3	4
1950	1 7/16" (37)	2 11/16" (68)	3 15/16" (100)	5 3/16" (132)
1975	1 11/16" (43)	3 3/16" (81)	4 11/16" (119)	6 3/16" (157)
1910	1 15/16" (49)	3 11/16" (94)	5 7/16" (138)	7 3/16" (183)
1915	2 7/16" (62)	4 11/16" (119)	6 15/16" (176)	9 3/16" (233)
1920	2 15/16" (75)	5 11/16" (144)	8 7/16" (214)	11 3/16" (284)

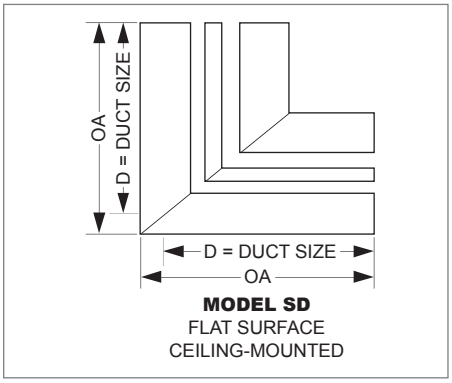
Model	W Dimension for Frames C, D, & E			
	Number of Slots			
	1	2	3	4
1950	2 3/16" (56)	3 7/16" (87)	4 11/16" (119)	5 15/16" (151)
1975	2 7/16" (62)	3 15/16" (100)	5 7/16" (138)	6 15/16" (176)
1910	2 11/16" (68)	4 7/16" (113)	6 3/16" (157)	7 15/16" (202)
1915	3 3/16" (81)	5 7/16" (138)	7 11/16" (195)	9 15/16" (252)
1920	3 11/16" (94)	6 7/16" (164)	9 3/16" (233)	11 15/16" (303)

1900 Accessories: Mitered Corners

1900, MITERED CORNERS: OS & IS



1900, MITERED CORNER: SD



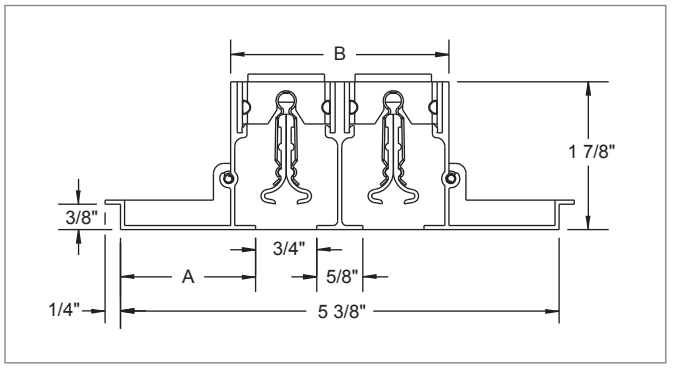
1900, MITERED CORNER AVAILABLE SIZES

MODEL	Number of Slots	Frames							
		B, J		C, E, D		A		F, K, I	
		OA	D	OA	D	OA	D	OA	D
1950, 1975, 1910	1,2	12 7/16" (316)	12" (305)	12 3/8" (314)	12" (305)	12 5/16" (313)	12" (305)	12" (305)	12" (305)
	3, 4, 5, 6, 7, 8	24 7/16" (621)	24" (610)	24 3/8" (619)	24" (610)	24 5/16" (618)	24" (610)	24" (610)	24" (610)
1915, 1920	1, 2	12 7/16" (316)	12" (305)	12 3/8" (314)	12" (305)	12 5/16" (313)	12" (305)	12" (305)	12" (305)
	3, 4	30 7/16" (773)	30" (762)	30 3/8" (772)	30" (762)	30 5/16" (770)	30" (762)	30" (762)	30" (762)

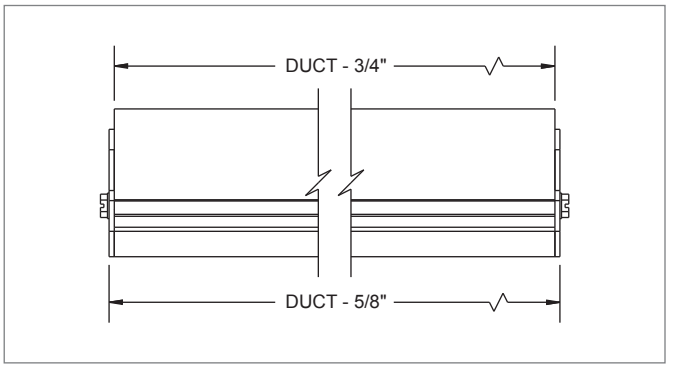
NOTES: Dimensions in parentheses are mm. 'OA' is overall length. Mitered corner available in 135°; see website for applicable dimensions.

1900 TechZone® Frame Styles

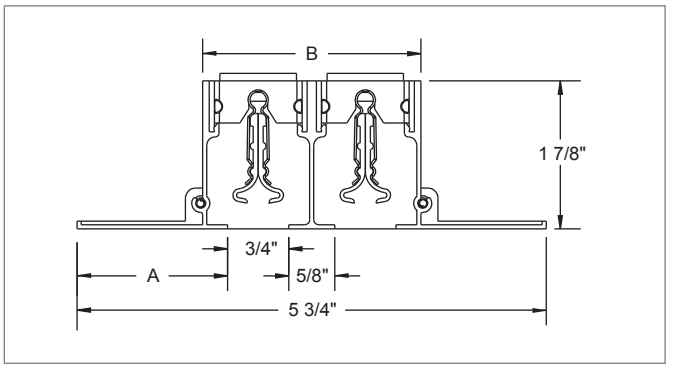
1900, CROSS SECTION: FRAME STYLE N



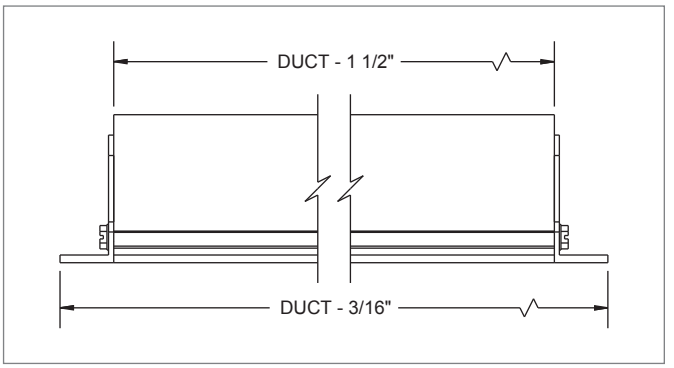
1900, SIDE VIEW: FRAME STYLE N



1900, CROSS SECTION: FRAME STYLE S



1900, SIDE VIEW: FRAME STYLE S



1900, AVAILABLE SIZES: FRAME STYLE N

1920 (3/4" Slot Width)		
Slot	**A**	**B**
1	2 3/8" (60)	1 3/8" (35)
2	1 5/8" (41)	2 5/8" (67)
3	1" (25)	4" (102)
4	3/8" (10)	5 1/4" (133)

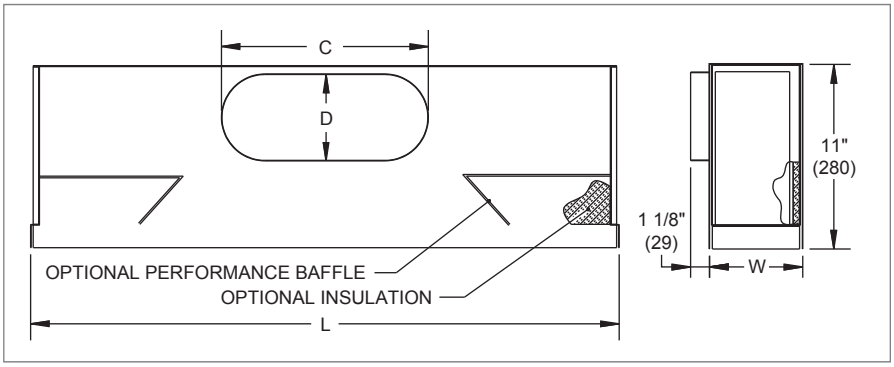
1900, AVAILABLE SIZES: FRAME STYLE S

1975 (3/4" Slot Width)		
Slot	**A**	**B**
1	2 1/2" (64)	1 3/8" (35)
2	1 7/8" (48)	2 5/8" (67)
3	1 1/4" (32)	4" (102)
4	1 /2" (13)	5 1/4" (133)

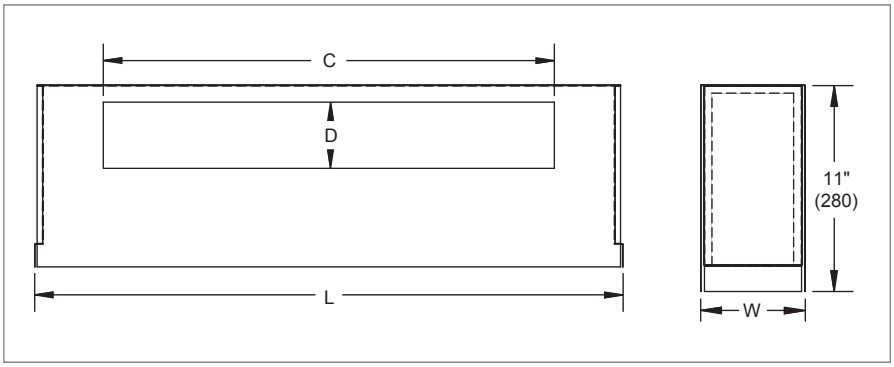
NOTES: TechZone™ is a registered trademark of Armstrong®.
Dimensions in parentheses are mm.
Duct = Ordered Length OA = Overall Length
** End caps on both ends are shown above. For other end configurations, lengths, and availability, see page E1-54.*

1900BOOT TechZone® Accessories

1900BOOT, FACE VIEW



1900BOOT RR - RETURN SLOT, FACE VIEW



NOTES: TechZone™ is a registered trademark of Armstrong®.
Dimensions in parentheses are mm. 'OA' is overall length.
** Frame Style N - No Inlet Collar (Rectangular Shape)*
*** Frame Style S - No Inlet Collar (Rectangular Shape)*

1900BOOT AVAILABLE SIZES

Inlet Size	C	D
6" Oval	6 1/4" (159)	5 1/4" (133)
8" Oval	9 3/8" (238)	5 1/4" (133)
10" Oval	12 1/2" (318)	5 1/4" (133)
12" Oval	15 5/8" (397)	5 1/4" (133)
RR Return*	L - 8 1/4" (210)	4" (102)
RR Return**	L - 8.72" (221)	4" (102)

1900BOOT AVAILABLE LENGTHS

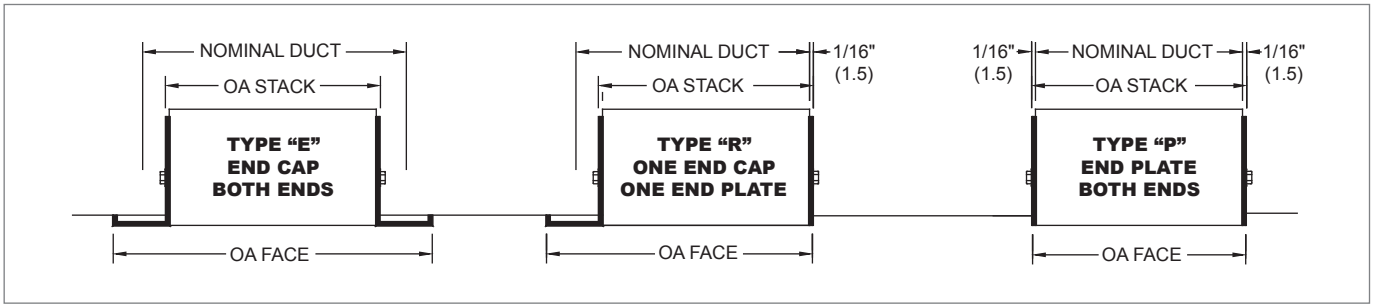
Nominal Length	L
24" (610)	23 1/8" (587)
30" (762)	29 1/8" (740)
36" (914)	35 1/8" (892)
48" (1219)	47 1/8" (1199)
60" (1524)	59 1/8" (1502)
72" (1829)	71 1/8" (1807)

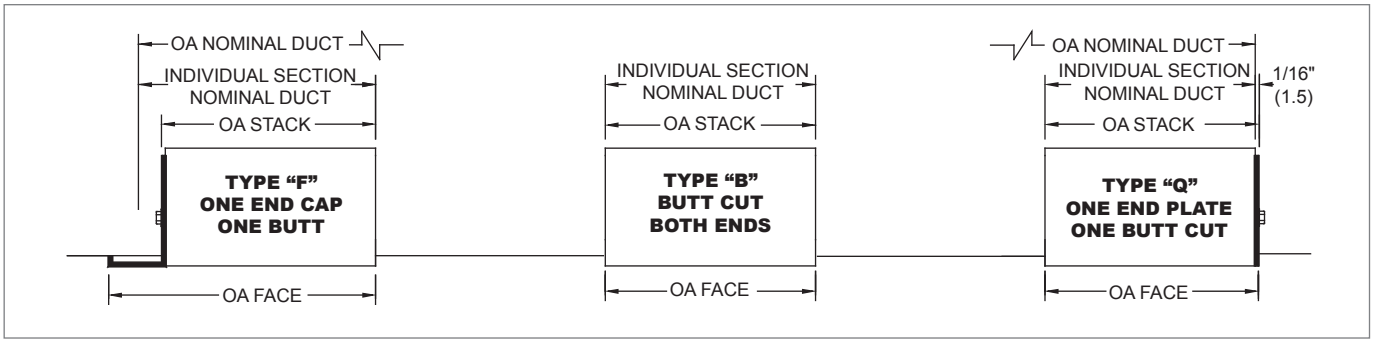
1900BOOT AVAILABLE WIDTHS

Number of Slots	L
1	1 7/16" (37)
2	2 11/16" (68)
3	4 1/8" (105)
4	5 7/16" (138)

1900 End Border & Length Detail

1900, END BORDER CONFIGURATIONS





1900, LENGTH CHARTS

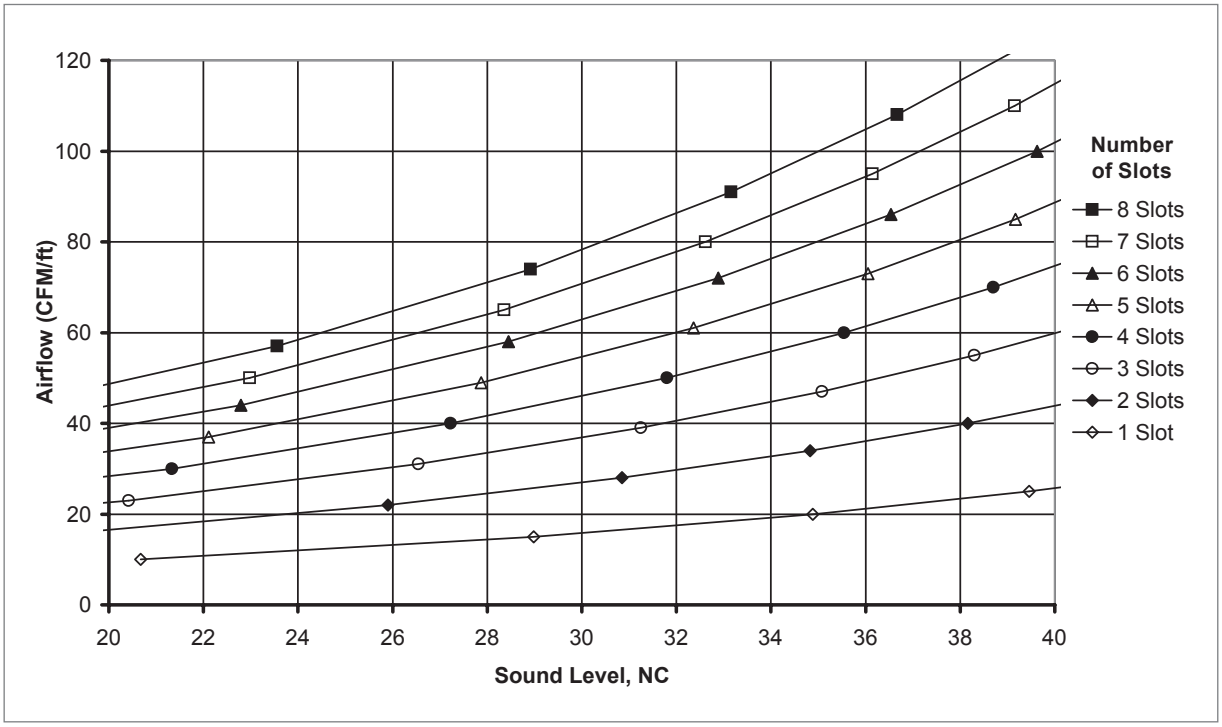
	End Type "E"		End Type "R"		End Type "P"	
Frame Style	OA Stack	OA Face	OA Stack	OA Face	OA Stack	OA Face
A	G/P - 1 5/8" (41)	G/P - 1/4" (6)	G/P - 15/16" (24)	G/P - 5/16" (8)	G/P - 3/8" (10)	G/P - 1/4" (6)
B	D - 1 3/8" (35)	D + 3/4" (19)	D - 5/8" (16)	D + 7/16" (11)	D + 1/8" (3)	D+ 1/8" (3)
C						
D						
E						
F	N/A					
I	D - 11/16" (17)	DUCT	D - 1/4" (6)	D + 1/16" (1.5)		
J	D - 1 3/8" (35)	D + 3/4" (19)	D - 5/8" (16)	D + 7/16" (11)		
K	D - 17/16" (27)	D - 1/4" (6)	N/A			
L	D - 1 3/8" (35)	D + 3/4" (19)	N/A			
N	N/A		N/A		D - 3/4" (19)	D - 5/8" (16)
S	D - 1 1/2" (38)	D - 3/16" (5)	N/A		N/A	

	End Type "F"		End Type "B"		End Type "Q"	
Frame Style	OA Stack	OA Face	OA Stack	OA Face	OA Stack	OA Face
A	G/P - 15/16" (24)	G/P - 1/4" (6)	G/P - 1/4" (6)	G/P - 1/4" (6)	G/P - 3/8" (10)	G/P - 5/16" (8)
B	D - 11/16" (17)	D + 3/8" (10)	DUCT	DUCT	D + 1/16" (1.5)	D+ 1/16" (1.5)
C						
D						
E						
F	N/A					
I	D - 5/16" (8)	DUCT				
J	D - 11/16" (17)	D + 3/8" (10)				
K		D - 1/8" (3)			N/A	
L		D + 3/8" (10)			N/A	

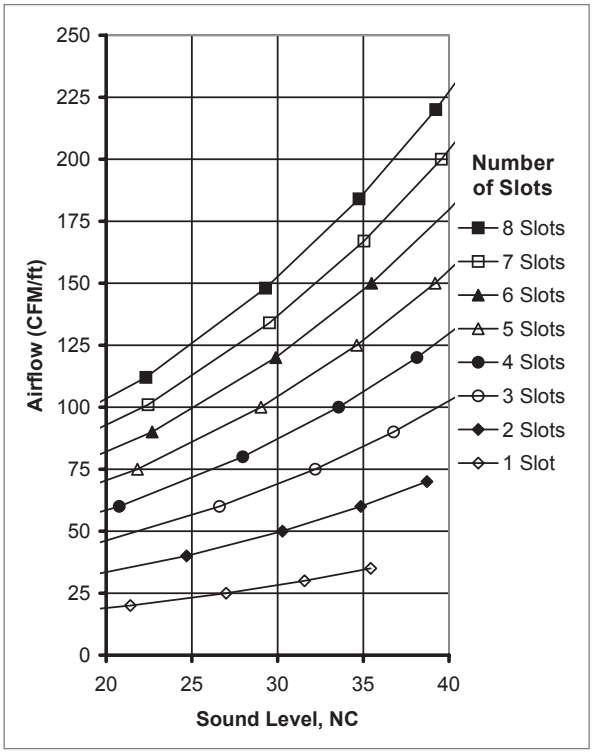
NOTES: Dimensions in parentheses are mm. 'D' is nominal duct length. 'OA' is overall length. 'G/P' is grid/panel size.

1900 Reference Charts

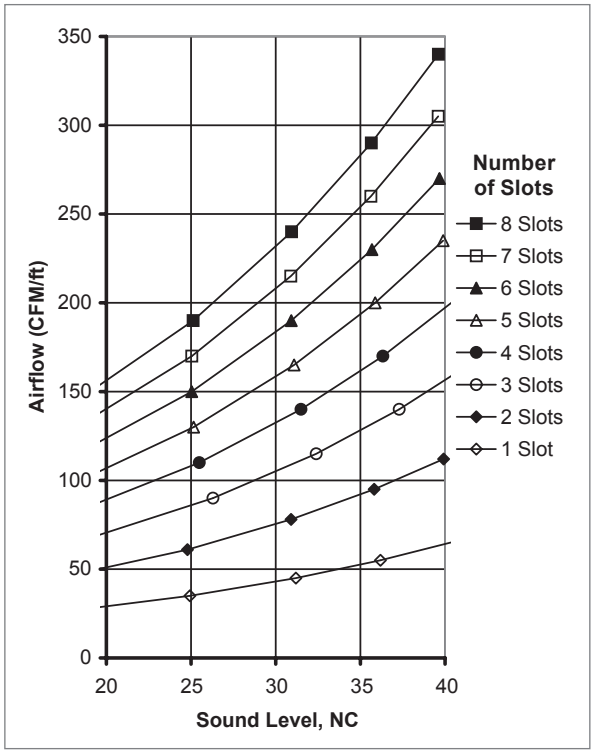
AIRFLOW VS. NC LEVEL: 1900, 1/2" SLOT WIDTH



AIRFLOW VS. NC LEVEL: 1900, 3/4" SLOT WIDTH

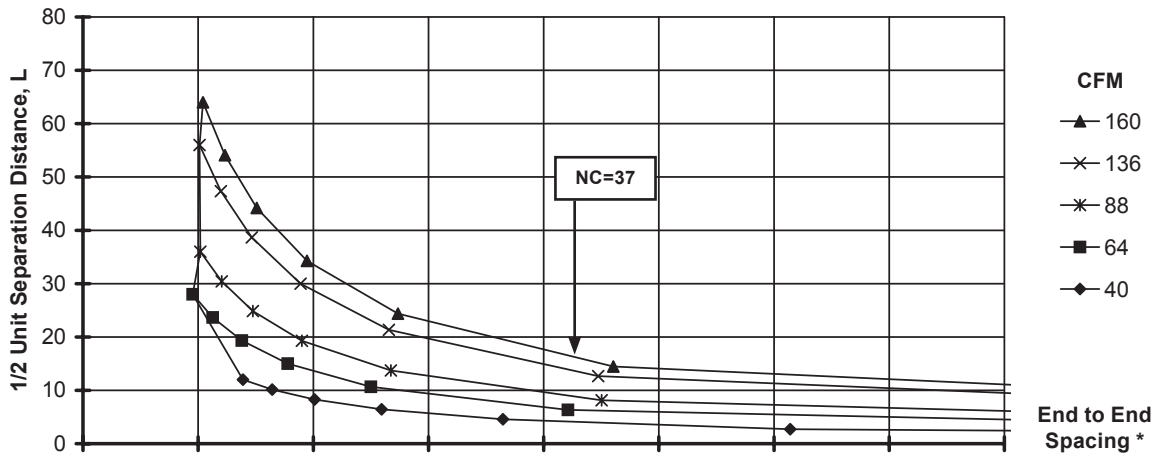


AIRFLOW VS. NC LEVEL: 1900, 1" SLOT WIDTH



1900 Reference Charts: Horizontal Throw

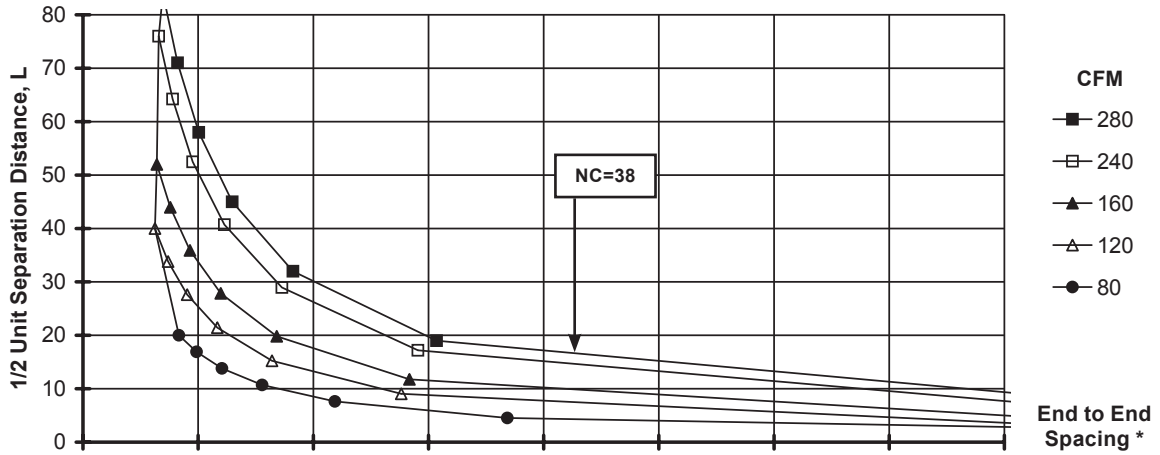
DIFFUSER SPACING FOR 80% ADPI: 1900, 1/2" SLOT WIDTH, 4 FT. LENGTH, 2 SLOTS, 2-WAY



0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0'
0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	2'
0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	4'
0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	8'

CFM/Sq.Ft.

DIFFUSER SPACING FOR 80% ADPI: 1900, 1/2" SLOT WIDTH, 4 FT. LENGTH, 4 SLOTS, 2-WAY



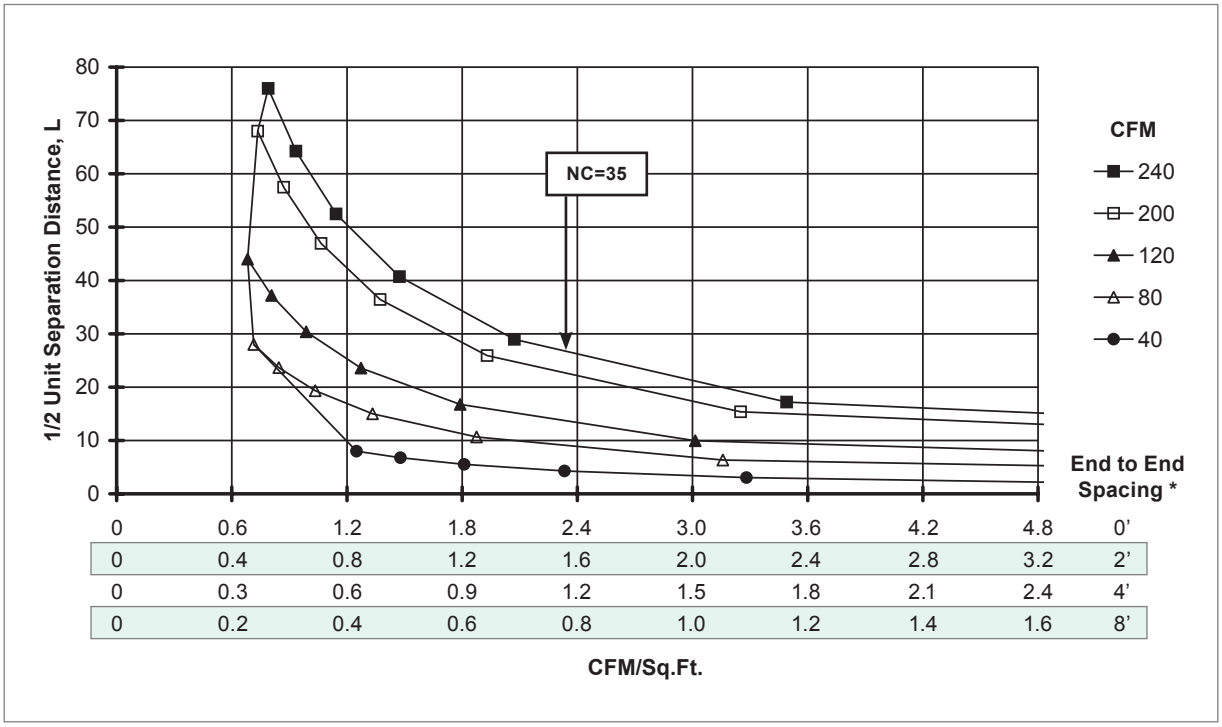
0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0'
0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	2'
0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	4'
0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	8'

CFM/Sq.Ft.

NOTES: Charts are at 20 BTUH/ft² loads.
See the Engineering section of this catalog for instructions on how to read these charts and additional ADPI information.
** Separation distance in feet between active supply sections discharging in similar directions.*

1900 Reference Charts: Horizontal Throw

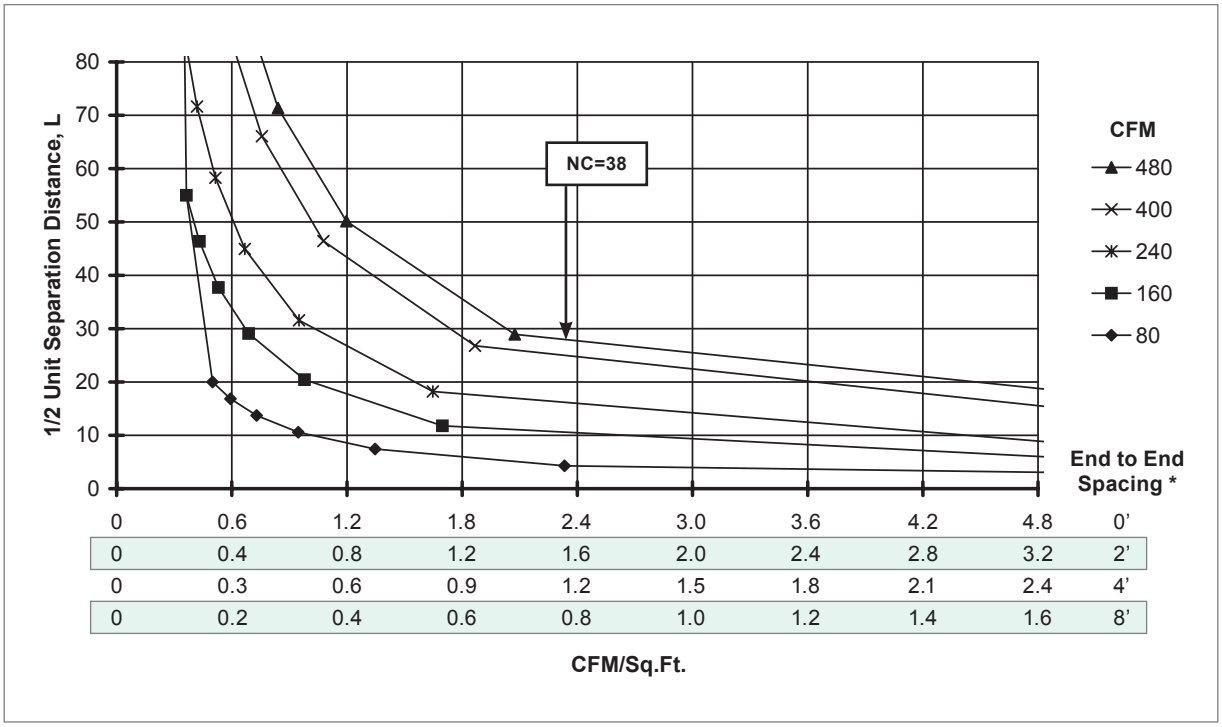
DIFFUSER SPACING FOR 80% ADPI: 1900, 3/4" SLOT WIDTH, 4 FT. LENGTH, 2 SLOTS, 2-WAY



0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0'
0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	2'
0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	4'
0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	8'

CFM/Sq.Ft.

DIFFUSER SPACING FOR 80% ADPI: 1900, 3/4" SLOT WIDTH, 4 FT. LENGTH, 4 SLOTS, 2-WAY



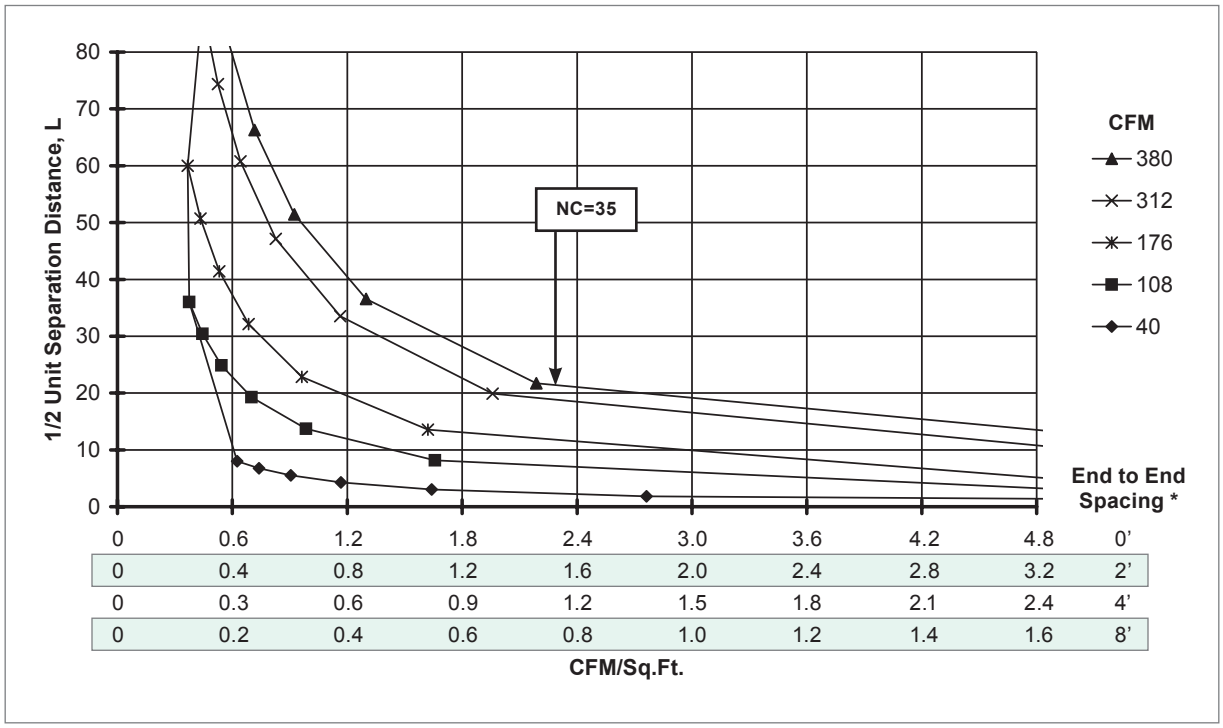
0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0'
0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	2'
0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	4'
0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	8'

CFM/Sq.Ft.

NOTES: Charts are at 20 BTUH/ft² loads.
See the Engineering section of this catalog for instructions on how to read these charts and additional ADPI information.
** Separation distance in feet between active supply sections discharging in similar directions.*

1900 Reference Charts: Horizontal Throw

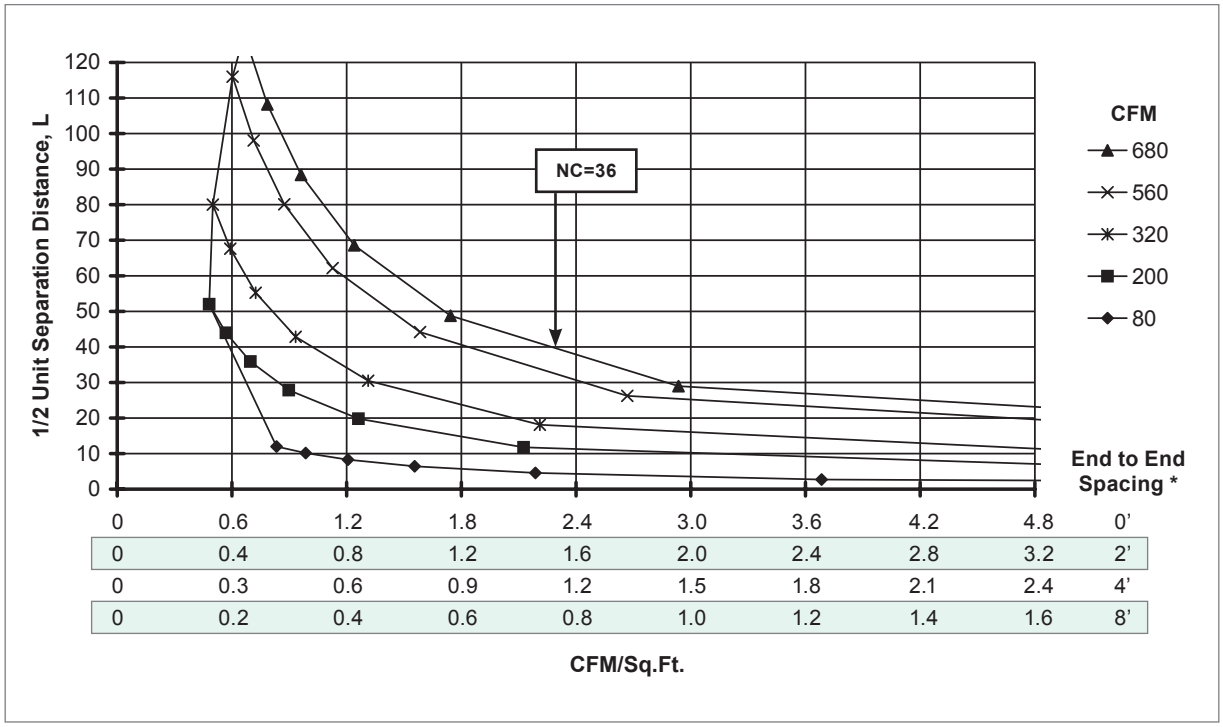
DIFFUSER SPACING FOR 80% ADPI: 1900, 1" SLOT WIDTH, 4 FT. LENGTH, 2 SLOTS, 2-WAY



0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0'
0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	2'
0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	4'
0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	8'

CFM/Sq.Ft.

DIFFUSER SPACING FOR 80% ADPI: 1900, 1" SLOT WIDTH, 4 FT. LENGTH, 4 SLOTS, 2-WAY



0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	0'
0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	2'
0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	4'
0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	8'

CFM/Sq.Ft.

NOTES: Charts are at 20 BTUH/ft² loads.
See the Engineering section of this catalog for instructions on how to read these charts and additional ADPI information.
** Separation distance in feet between active supply sections discharging in similar directions.*

1900 Performance Data: Horizontal Throw

IP/METRIC DATA: 1900, 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data					Metric Data										
	Air Flow	Press Ps	1-Way Throw	2-Way Throw	NC	Air Flow	Press Ps	1-Way Throw	2-Way Throw	Octave Band, dB					
	CFM/ft	"WG	ft	ft		L/s/m	Pa	m	m	2	3	4	5	6	7
1 Slot	5	0.004	1 - 2 - 7		-	8	1.1	0.2 - 0.6 - 2.2		37	24	24	12	-	-
	13	0.030	6 - 9 - 18		26	20	7.4	1.7 - 2.8 - 5.4		48	44	42	33	26	23
	17	0.051	8 - 12 - 20		32	26	12.7	2.5 - 3.7 - 6.2		51	49	47	39	32	28
	21	0.078	10 - 15 - 23		36	33	19.3	3.0 - 4.5 - 6.8		53	53	51	44	37	32
	29	0.148	14 - 19 - 26		43	45	36.9	4.2 - 5.7 - 8.0		57	60	57	51	44	38
2 Slots	10	0.004	2 - 4 - 12	1 - 3 - 8	10	15	1.1	0.5 - 1.2 - 3.5	0.4 - 0.9 - 2.5	40	27	27	15	-	-
	22	0.021	9 - 13 - 23	6 - 9 - 16	26	34	5.3	2.6 - 3.9 - 7.0	1.8 - 2.8 - 5.0	49	43	42	33	25	23
	28	0.035	11 - 16 - 26	8 - 12 - 18	31	43	8.6	3.3 - 5.0 - 7.9	2.3 - 3.5 - 5.6	51	48	46	38	31	27
	34	0.051	13 - 20 - 29	9 - 14 - 20	35	53	12.7	4.0 - 6.0 - 8.7	2.8 - 4.3 - 6.2	54	52	50	42	35	31
	46	0.093	18 - 24 - 33	13 - 17 - 24	41	71	23.2	5.4 - 7.2 - 10.1	3.8 - 5.1 - 7.2	57	58	55	49	42	36
3 Slots	15	0.004	3 - 6 - 15		12	23	1.1	0.8 - 1.8 - 4.6		37	21	21	-	-	-
	31	0.019	10 - 16 - 27		27	48	4.7	3.2 - 4.8 - 8.3		50	44	42	33	25	23
	39	0.030	13 - 20 - 31		31	60	7.4	4.0 - 6.0 - 9.3		52	48	46	38	31	28
	47	0.043	16 - 24 - 34		35	73	10.8	4.8 - 7.2 - 10.2		54	52	50	42	35	31
	63	0.078	21 - 28 - 39		41	98	19.3	6.5 - 8.4 - 11.9		58	58	55	49	42	36
4 Slots	20	0.004	3 - 8 - 18	2 - 5 - 13	13	31	1.1	1.0 - 2.3 - 5.5	0.7 - 1.6 - 3.9	43	30	30	18	-	11
	40	0.018	12 - 18 - 31	9 - 13 - 22	27	62	4.4	3.7 - 5.5 - 9.4	2.6 - 3.9 - 6.7	51	44	43	34	26	24
	50	0.028	15 - 23 - 35	11 - 16 - 25	32	77	6.9	4.6 - 6.9 - 10.6	3.3 - 4.9 - 7.5	53	49	47	39	31	28
	60	0.040	18 - 27 - 38	13 - 19 - 27	36	93	9.9	5.5 - 8.2 - 11.6	3.9 - 5.8 - 8.2	55	52	50	43	35	32
	80	0.070	24 - 31 - 44	17 - 22 - 31	41	124	17.5	7.4 - 9.4 - 13.4	5.2 - 6.7 - 9.4	58	58	56	49	42	37
5 Slots	25	0.004	4 - 9 - 21		14	39	1.1	1.2 - 2.8 - 6.3		44	31	31	19	11	12
	49	0.017	14 - 20 - 34		28	76	4.2	4.1 - 6.2 - 10.5		51	45	43	34	26	25
	61	0.026	17 - 25 - 38		32	94	6.5	5.1 - 7.7 - 11.7		54	49	47	39	31	29
	73	0.038	20 - 30 - 42		36	113	9.4	6.1 - 9.0 - 12.8		56	53	51	43	36	32
	97	0.066	27 - 34 - 48		42	150	16.5	8.1 - 10.4 - 14.7		59	59	56	49	42	37
6 Slots	30	0.004	5 - 10 - 23	3 - 7 - 16	15	46	1.1	1.4 - 3.2 - 7.0	1.0 - 2.2 - 5.0	45	32	32	20	12	13
	58	0.016	15 - 22 - 37	10 - 16 - 26	28	90	4.1	4.5 - 6.8 - 11.4	3.2 - 4.8 - 8.0	52	45	44	35	27	25
	72	0.025	18 - 28 - 42	13 - 20 - 29	33	111	6.3	5.6 - 8.4 - 12.7	4.0 - 5.9 - 9.0	54	50	48	39	32	29
	86	0.036	22 - 32 - 46	16 - 23 - 32	37	133	9.0	6.7 - 9.8 - 13.9	4.7 - 6.9 - 9.8	56	53	51	43	36	32
	114	0.064	29 - 37 - 52	21 - 26 - 37	42	177	15.8	8.9 - 11.3 - 16.0	6.3 - 8.0 - 11.3	60	59	57	50	42	38
7 Slots	35	0.004	5 - 12 - 25		16	54	1.1	1.6 - 3.5 - 7.6		44	29	29	17	-	11
	65	0.015	16 - 23 - 40		28	101	3.8	4.7 - 7.1 - 12.0		52	45	44	34	27	25
	80	0.023	19 - 29 - 44		33	124	5.7	5.8 - 8.7 - 13.4		55	49	48	39	31	29
	95	0.032	23 - 34 - 48		36	147	8.1	6.9 - 10.3 - 14.6		57	53	51	43	35	32
	125	0.056	30 - 39 - 55		42	194	14.0	9.1 - 11.8 - 16.7		60	58	56	49	42	37
8 Slots	40	0.004	6 - 13 - 27	4 - 9 - 19	16	62	1.1	1.7 - 3.9 - 8.2	1.2 - 2.7 - 5.8	46	33	33	21	13	14
	74	0.015	17 - 25 - 42	12 - 18 - 30	29	115	3.8	5.1 - 7.6 - 12.9	3.6 - 5.4 - 9.1	53	46	44	35	27	26
	91	0.023	21 - 31 - 47	15 - 22 - 33	33	141	5.7	6.3 - 9.4 - 14.3	4.4 - 6.6 - 10.1	55	50	48	39	32	29
	108	0.032	24 - 36 - 51	17 - 26 - 36	37	167	8.0	7.4 - 11.0 - 15.5	5.2 - 7.8 - 11.0	57	53	51	43	36	33
	142	0.056	32 - 41 - 59	23 - 29 - 41	42	220	13.8	9.8 - 12.6 - 17.8	6.9 - 8.9 - 12.6	60	59	57	49	42	38

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. Odd numbered slots for 2-Way data have been intentionally left blank. See page E1-50 for blade orientation. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Blades Up

IP/METRIC DATA: 1900, 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	5	0.003	1 - 2 - 5	-	8	0.6	0.3 - 0.6 - 1.5	-	-	-	-	-	-
	35	0.127	12 - 14 - 20	15	54	31.5	3.5 - 4.3 - 6.1	43	39	30	16	11	-
	50	0.259	14 - 17 - 24	24	78	64.4	4.2 - 5.2 - 7.3	50	46	39	22	17	-
	65	0.437	16 - 19 - 27	30	101	108.8	4.8 - 5.9 - 8.3	54	52	45	27	21	14
	95	0.933	19 - 23 - 33	40	147	232.4	5.8 - 7.1 - 10.0	61	60	54	34	27	20
2 Slots	10	0.003	1 - 3 - 7	-	16	0.6	0.4 - 1.0 - 2.3	-	-	-	-	-	-
	60	0.093	15 - 19 - 26	14	93	23.2	4.5 - 5.6 - 8.0	43	38	30	16	12	-
	85	0.187	18 - 22 - 31	23	132	46.5	5.5 - 6.7 - 9.5	50	46	38	23	17	-
	110	0.313	21 - 25 - 36	30	171	77.9	6.2 - 7.6 - 10.8	54	51	44	27	21	14
	160	0.662	25 - 30 - 43	39	248	164.8	7.5 - 9.2 - 13.0	61	59	53	34	27	20
3 Slots	15	0.003	2 - 4 - 9	-	23	0.6	0.5 - 1.2 - 2.8	-	-	-	-	-	-
	85	0.083	17 - 22 - 31	15	132	20.7	5.3 - 6.7 - 9.5	44	39	30	17	13	-
	120	0.165	21 - 26 - 37	24	186	41.2	6.5 - 8.0 - 11.3	50	46	38	23	18	11
	155	0.276	24 - 30 - 42	30	241	68.7	7.4 - 9.1 - 12.8	55	52	44	28	22	15
	225	0.582	29 - 36 - 51	39	349	144.8	8.9 - 10.9 - 15.5	62	59	53	34	28	21
4 Slots	20	0.003	2 - 5 - 11	-	31	0.6	0.6 - 1.4 - 3.2	13	-	-	-	-	-
	110	0.078	20 - 25 - 36	16	171	19.5	6.0 - 7.6 - 10.8	45	39	31	18	13	-
	155	0.155	24 - 30 - 42	24	241	38.7	7.4 - 9.1 - 12.8	51	47	39	24	19	12
	200	0.259	28 - 34 - 48	31	310	64.4	8.4 - 10.3 - 14.6	56	52	45	28	23	16
	290	0.544	33 - 41 - 58	40	450	135.3	10.1 - 12.4 - 17.6	62	60	53	35	28	21
5 Slots	25	0.003	2 - 5 - 12	-	39	0.6	0.7 - 1.6 - 3.6	14	-	-	-	-	-
	125	0.065	20 - 27 - 38	15	194	16.1	6.1 - 8.1 - 11.5	44	38	30	17	13	-
	175	0.127	26 - 32 - 45	23	272	31.5	7.9 - 9.6 - 13.6	50	46	37	23	18	11
	225	0.209	29 - 36 - 51	29	349	52.1	8.9 - 10.9 - 15.5	55	51	43	28	22	15
	325	0.437	35 - 43 - 61	39	505	108.8	10.7 - 13.1 - 18.6	61	59	52	34	28	21
6 Slots	30	0.003	3 - 6 - 13	-	47	0.6	0.8 - 1.8 - 4.0	15	-	-	-	-	-
	150	0.065	22 - 29 - 42	16	233	16.1	6.7 - 8.9 - 12.6	45	39	30	18	14	-
	210	0.127	28 - 35 - 49	24	326	31.5	8.6 - 10.6 - 14.9	51	46	38	24	19	12
	270	0.209	32 - 39 - 56	30	419	52.1	9.8 - 12.0 - 16.9	55	52	44	28	23	16
	390	0.437	39 - 47 - 67	39	605	108.8	11.8 - 14.4 - 20.4	62	59	53	35	29	22
7 Slots	35	0.003	3 - 6 - 14	-	54	0.6	0.9 - 1.9 - 4.3	13	-	-	-	-	-
	185	0.072	25 - 33 - 46	18	287	18.0	7.6 - 9.9 - 14.0	46	41	32	19	15	-
	260	0.143	32 - 39 - 55	26	404	35.5	9.6 - 11.8 - 16.6	53	48	40	26	21	14
	335	0.237	36 - 44 - 62	33	520	59.0	10.9 - 13.3 - 18.9	57	54	46	30	24	17
	485	0.496	43 - 53 - 75	42	753	123.6	13.1 - 16.0 - 22.7	64	61	55	37	30	23
8 Slots	40	0.003	3 - 7 - 15	-	62	0.6	0.9 - 2.1 - 4.6	16	-	-	-	-	-
	200	0.065	25 - 34 - 48	17	310	16.1	7.7 - 10.3 - 14.6	46	40	32	19	15	-
	280	0.127	33 - 40 - 57	25	435	31.5	10.0 - 12.2 - 17.2	52	48	40	25	20	13
	360	0.209	37 - 45 - 64	32	559	52.1	11.3 - 13.8 - 19.6	57	53	45	30	24	17
	520	0.437	45 - 55 - 77	41	807	108.8	13.6 - 16.6 - 23.5	63	61	54	36	30	23

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See page E1-50 for blade orientation. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Without Blades

IP/METRIC DATA: 1900, 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	5	0.001	0 - 1 - 3	-	8	0.3	0.1 - 0.3 - 1.0	-	-	-	-	-	-
	55	0.162	11 - 14 - 20	18	85	40.3	3.5 - 4.2 - 6.0	48	38	34	20	-	-
	80	0.342	14 - 17 - 24	26	124	85.2	4.2 - 5.1 - 7.2	55	45	41	26	15	-
	105	0.590	16 - 19 - 27	32	163	146.8	4.8 - 5.8 - 8.3	60	49	46	30	19	11
	155	1.285	19 - 23 - 33	41	240	320.0	5.8 - 7.1 - 10.0	67	56	53	36	25	17
2 Slots	10	0.001	1 - 2 - 5	-	15	0.3	0.2 - 0.5 - 1.6	-	-	-	-	-	-
	90	0.108	15 - 18 - 25	17	139	27.0	4.4 - 5.4 - 7.7	48	38	34	20	-	-
	130	0.226	17 - 21 - 30	25	201	56.3	5.3 - 6.5 - 9.2	54	44	40	26	15	-
	170	0.386	20 - 24 - 35	31	263	96.2	6.1 - 7.4 - 10.5	59	49	45	30	19	12
	250	0.836	24 - 30 - 42	40	387	208.1	7.4 - 9.0 - 12.8	66	55	52	36	24	17
3 Slots	15	0.001	1 - 2 - 7	-	23	0.3	0.3 - 0.7 - 2.1	-	-	-	-	-	-
	115	0.079	16 - 20 - 28	16	178	19.6	5.0 - 6.1 - 8.7	47	37	33	19	-	-
	165	0.162	20 - 24 - 34	24	255	40.3	6.0 - 7.3 - 10.4	53	43	39	25	14	-
	215	0.275	22 - 28 - 39	30	333	68.4	6.8 - 8.4 - 11.8	58	48	44	29	18	11
	315	0.590	27 - 33 - 47	39	488	146.8	8.3 - 10.1 - 14.3	65	54	51	35	24	16
4 Slots	20	0.001	1 - 3 - 8	-	31	0.3	0.4 - 0.8 - 2.4	11	-	-	-	-	-
	150	0.075	19 - 23 - 33	17	232	18.7	5.7 - 7.0 - 9.9	47	38	33	20	-	-
	215	0.155	22 - 28 - 39	25	333	38.5	6.8 - 8.4 - 11.8	54	44	40	26	15	-
	280	0.262	26 - 31 - 44	31	434	65.3	7.8 - 9.5 - 13.5	59	49	45	30	19	12
	410	0.562	31 - 38 - 54	40	635	139.9	9.4 - 11.6 - 16.3	66	55	52	36	25	17
5 Slots	25	0.001	1 - 3 - 9	-	39	0.3	0.4 - 1.0 - 2.7	12	-	-	-	-	-
	185	0.073	21 - 26 - 36	18	286	18.2	6.3 - 7.8 - 11.0	48	39	34	21	11	-
	265	0.150	25 - 31 - 43	26	410	37.4	7.6 - 9.3 - 13.1	55	45	41	26	16	-
	345	0.255	28 - 35 - 49	32	534	63.4	8.7 - 10.6 - 15.0	59	49	45	31	20	13
	505	0.546	34 - 42 - 60	40	782	135.9	10.5 - 12.8 - 18.1	66	56	52	36	25	18
6 Slots	30	0.001	2 - 4 - 10	-	46	0.3	0.5 - 1.1 - 3.0	13	-	-	-	-	-
	210	0.066	22 - 27 - 38	18	325	16.3	6.8 - 8.3 - 11.7	48	39	34	21	11	-
	300	0.134	27 - 33 - 46	25	465	33.3	8.1 - 9.9 - 14.0	54	45	40	26	16	-
	390	0.226	30 - 37 - 52	31	604	56.3	9.2 - 11.3 - 15.9	59	49	45	30	20	13
	570	0.483	37 - 45 - 63	40	883	120.2	11.1 - 13.6 - 19.3	66	55	52	36	25	18
7 Slots	35	0.001	2 - 4 - 11	-	54	0.3	0.5 - 1.2 - 3.3	11	-	-	-	-	-
	235	0.060	23 - 29 - 41	18	364	15.0	7.1 - 8.7 - 12.4	48	39	34	21	11	-
	335	0.123	28 - 34 - 49	25	519	30.5	8.5 - 10.4 - 14.8	54	45	40	26	16	-
	435	0.207	32 - 39 - 55	31	674	51.4	9.7 - 11.9 - 16.8	59	49	45	30	20	13
	635	0.440	39 - 47 - 67	40	983	109.6	11.7 - 14.4 - 20.3	66	55	52	36	25	18
8 Slots	40	0.001	2 - 4 - 12	-	62	0.3	0.6 - 1.3 - 3.5	14	-	-	-	-	-
	260	0.057	25 - 30 - 43	18	403	14.1	7.5 - 9.2 - 13.0	48	39	34	21	11	-
	370	0.114	29 - 36 - 51	25	573	28.5	9.0 - 11.0 - 15.5	54	45	40	26	16	-
	480	0.193	34 - 41 - 58	31	743	47.9	10.2 - 12.5 - 17.7	59	49	45	30	20	13
	700	0.410	41 - 50 - 70	40	1084	102.0	12.3 - 15.1 - 21.3	66	55	52	36	25	18

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Horizontal Throw

IP/METRIC DATA: 1900, 3/4" SLOT WIDTH, CONTINUOUS SLOT

	IP Data					Metric Data										
	Air Flow	Press Ps	1-Way Throw	2-Way Throw	NC	Air Flow	Press Ps	1-Way Throw	2-Way Throw	Octave Band, dB					
	CFM/ft	"WG	ft	ft		L/s/m	Pa	m	m	2	3	4	5	6	7
1 Slot	5	0.003	1 - 1 - 6		-	8	0.8	0.2 - 0.4 - 1.7		26	12	-	-	-	-
	15	0.030	6 - 10 - 19		14	23	7.4	1.7 - 3.0 - 5.8		40	34	31	19	-	-
	20	0.053	9 - 13 - 22		21	31	13.2	2.6 - 4.0 - 6.7		43	40	37	28	19	14
	25	0.083	11 - 16 - 25		27	39	20.7	3.3 - 4.9 - 7.5		46	45	43	34	26	19
	35	0.163	15 - 21 - 29		35	54	40.5	4.6 - 6.2 - 8.8		50	52	50	44	36	27
2 Slots	10	0.003	1 - 3 - 10	1 - 2 - 7	-	16	0.8	0.4 - 0.9 - 3.2	0.3 - 0.6 - 2.2	29	15	-	-	-	-
	30	0.030	10 - 16 - 27	7 - 11 - 19	17	47	7.4	3.2 - 4.7 - 8.2	2.2 - 3.4 - 5.8	43	37	34	22	13	11
	40	0.053	14 - 21 - 31	10 - 15 - 22	25	62	13.2	4.2 - 6.3 - 9.4	3.0 - 4.5 - 6.7	46	43	40	31	22	17
	50	0.083	17 - 25 - 35	12 - 17 - 25	30	78	20.7	5.3 - 7.5 - 10.6	3.7 - 5.3 - 7.5	49	48	46	37	29	22
	70	0.163	24 - 29 - 41	17 - 21 - 29	39	109	40.5	7.2 - 8.8 - 12.5	5.1 - 6.2 - 8.8	53	55	53	47	39	30
3 Slots	15	0.003	2 - 4 - 13		-	23	0.8	0.6 - 1.2 - 4.1		26	-	-	-	-	-
	45	0.030	13 - 20 - 33		19	70	7.4	4.1 - 6.1 - 10.0		45	39	36	24	15	12
	60	0.053	18 - 27 - 38		27	93	13.2	5.4 - 8.1 - 11.6		48	45	42	33	24	19
	75	0.083	22 - 30 - 43		32	116	20.7	6.8 - 9.1 - 12.9		51	50	47	39	31	24
	105	0.163	29 - 36 - 50		41	163	40.5	8.8 - 10.8 - 15.3		55	56	55	49	41	32
4 Slots	20	0.003	2 - 5 - 16	2 - 4 - 11	-	31	0.8	0.7 - 1.6 - 4.8	0.5 - 1.1 - 3.4	32	18	12	-	-	-
	60	0.030	16 - 24 - 38	11 - 17 - 27	21	93	7.4	4.8 - 7.2 - 11.6	3.4 - 5.1 - 8.2	46	40	37	25	17	14
	80	0.053	21 - 31 - 44	15 - 22 - 31	28	124	13.2	6.4 - 9.4 - 13.4	4.6 - 6.7 - 9.4	49	46	43	34	25	20
	100	0.083	26 - 35 - 49	19 - 25 - 35	34	155	20.7	8.0 - 10.6 - 14.9	5.7 - 7.5 - 10.6	52	51	49	40	32	25
	140	0.163	34 - 41 - 58	24 - 29 - 41	42	217	40.5	10.2 - 12.5 - 17.7	7.2 - 8.8 - 12.5	56	58	56	50	42	33
5 Slots	25	0.003	3 - 6 - 18		-	39	0.8	0.8 - 1.8 - 5.5		33	19	13	-	-	-
	75	0.030	18 - 27 - 43		22	116	7.4	5.5 - 8.2 - 12.9		47	41	38	26	17	15
	100	0.053	24 - 35 - 49		29	155	13.2	7.3 - 10.6 - 14.9		50	47	44	35	26	21
	125	0.083	30 - 39 - 55		35	194	20.7	9.1 - 11.8 - 16.7		53	52	50	41	33	26
	175	0.163	38 - 46 - 65		43	272	40.5	11.4 - 14.0 - 19.8		57	59	57	51	43	34
6 Slots	30	0.003	3 - 7 - 20	2 - 5 - 14	-	47	0.8	0.9 - 2.1 - 6.1	0.7 - 1.5 - 4.3	34	19	13	-	-	-
	90	0.030	20 - 30 - 47	14 - 21 - 33	23	140	7.4	6.1 - 9.1 - 14.2	4.3 - 6.4 - 10.0	48	42	39	27	18	15
	120	0.053	27 - 38 - 54	19 - 27 - 38	30	186	13.2	8.1 - 11.6 - 16.4	5.7 - 8.2 - 11.6	51	48	45	36	27	22
	150	0.083	33 - 43 - 60	24 - 30 - 43	35	233	20.7	10.1 - 12.9 - 18.3	7.2 - 9.1 - 12.9	54	53	50	42	34	27
	210	0.163	41 - 50 - 71	29 - 36 - 50	44	326	40.5	12.5 - 15.3 - 21.6	8.8 - 10.8 - 15.3	58	59	58	52	44	35
7 Slots	35	0.003	3 - 8 - 22		-	54	0.8	1.0 - 2.3 - 6.6		33	17	-	-	-	-
	101	0.028	21 - 31 - 49		22	157	6.9	6.4 - 9.6 - 15.0		48	42	38	27	18	15
	134	0.049	28 - 40 - 57		30	208	12.1	8.5 - 12.2 - 17.3		51	48	45	35	26	22
	167	0.076	35 - 45 - 64		35	259	18.8	10.5 - 13.7 - 19.3		54	52	50	41	33	27
	233	0.147	43 - 53 - 75		43	362	36.6	13.2 - 16.1 - 22.8		58	59	58	51	43	34
8 Slots	40	0.003	4 - 8 - 23	3 - 6 - 17	-	62	0.8	1.1 - 2.5 - 7.1	0.8 - 1.8 - 5.0	35	21	15	-	-	-
	112	0.026	22 - 33 - 52	15 - 23 - 37	22	174	6.5	6.6 - 10.0 - 15.8	4.7 - 7.1 - 11.2	48	42	38	26	17	15
	148	0.045	29 - 42 - 60	20 - 30 - 42	29	230	11.3	8.8 - 12.9 - 18.2	6.2 - 9.1 - 12.8	51	48	45	35	26	21
	184	0.070	36 - 47 - 67	25 - 33 - 47	35	286	17.5	10.9 - 14.3 - 20.3	7.7 - 10.1 - 14.3	54	52	50	41	32	26
	256	0.136	45 - 56 - 79	32 - 39 - 56	43	397	33.8	13.8 - 16.9 - 23.9	9.8 - 11.9 - 16.9	58	59	57	50	42	34

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. Odd numbered slots for 2-Way data have been intentionally left blank. See page E1-50 for blade orientation. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Blades Up

IP/METRIC DATA: 1900, 3/4" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	20	0.032	6 - 10 - 15	-	31	8.1	1.9 - 2.9 - 4.6	28	23	18	12	-	-
	70	0.397	16 - 20 - 28	22	109	99.0	5.0 - 6.1 - 8.6	50	45	37	28	21	14
	95	0.732	19 - 23 - 33	28	147	182.3	5.8 - 7.1 - 10.0	55	50	42	32	24	18
	120	1.168	21 - 26 - 37	33	186	290.8	6.5 - 8.0 - 11.3	59	54	46	35	27	20
	170	2.344	26 - 31 - 44	40	264	583.7	7.8 - 9.5 - 13.4	65	60	51	40	31	24
2 Slots	30	0.018	7 - 10 - 19	-	47	4.5	2.1 - 3.1 - 5.6	26	21	16	11	-	-
	110	0.245	21 - 25 - 36	21	171	61.1	6.2 - 7.6 - 10.8	48	43	37	28	21	14
	150	0.456	24 - 29 - 42	27	233	113.6	7.3 - 8.9 - 12.6	54	49	42	32	24	18
	190	0.732	27 - 33 - 47	32	295	182.3	8.2 - 10.0 - 14.2	58	53	45	35	27	21
	270	1.478	32 - 39 - 56	39	419	368.1	9.8 - 12.0 - 16.9	64	59	51	40	31	25
3 Slots	40	0.014	8 - 11 - 21	-	62	3.6	2.3 - 3.5 - 6.5	21	15	11	-	-	-
	160	0.231	25 - 30 - 43	22	248	57.5	7.5 - 9.2 - 13.0	50	45	38	29	22	16
	220	0.436	29 - 36 - 50	28	342	108.6	8.8 - 10.8 - 15.3	55	50	43	34	26	19
	280	0.707	33 - 40 - 57	33	435	175.9	10.0 - 12.2 - 17.2	59	54	47	37	29	22
	400	1.442	39 - 48 - 68	41	621	359.1	11.9 - 14.6 - 20.6	65	61	52	42	33	26
4 Slots	50	0.013	8 - 12 - 24	-	78	3.2	2.5 - 3.8 - 7.3	26	21	16	11	-	-
	200	0.203	28 - 34 - 48	22	310	50.5	8.4 - 10.3 - 14.6	50	45	38	30	23	16
	275	0.383	32 - 40 - 56	29	427	95.5	9.9 - 12.1 - 17.1	55	50	43	34	26	20
	350	0.621	37 - 45 - 63	34	543	154.6	11.1 - 13.6 - 19.3	59	54	47	37	29	23
	500	1.267	44 - 54 - 76	41	776	315.6	13.3 - 16.3 - 23.0	66	61	53	42	33	27
5 Slots	60	0.018	9 - 13 - 26	-	93	4.5	2.7 - 4.0 - 8.0	26	21	17	12	-	-
	240	0.292	30 - 37 - 53	23	373	72.7	9.2 - 11.3 - 16.0	50	45	38	30	23	17
	330	0.552	36 - 44 - 62	29	512	137.5	10.8 - 13.2 - 18.7	56	51	44	34	27	20
	420	0.894	40 - 49 - 69	34	652	222.7	12.2 - 14.9 - 21.1	60	55	47	38	30	23
	600	1.825	48 - 59 - 83	41	931	454.4	14.6 - 17.9 - 25.2	66	61	53	42	34	27
6 Slots	70	0.011	9 - 14 - 28	-	109	2.8	2.9 - 4.3 - 8.6	26	21	17	12	-	-
	270	0.164	32 - 39 - 56	22	419	40.9	9.8 - 12.0 - 16.9	50	45	38	30	23	17
	370	0.308	38 - 46 - 65	28	574	76.8	11.4 - 14.0 - 19.8	55	50	43	34	27	20
	470	0.498	42 - 52 - 74	33	730	123.9	12.9 - 15.8 - 22.3	59	54	47	38	30	23
	670	1.011	51 - 62 - 88	41	1040	251.9	15.4 - 18.9 - 26.7	65	60	53	42	34	27
7 Slots	80	0.011	10 - 15 - 30	-	124	2.6	3.0 - 4.6 - 9.1	24	19	15	11	-	-
	310	0.159	34 - 42 - 60	23	481	39.6	10.5 - 12.8 - 18.1	50	45	39	31	24	17
	425	0.299	40 - 49 - 70	29	660	74.5	12.3 - 15.0 - 21.2	56	51	44	35	27	21
	540	0.483	45 - 56 - 79	34	838	120.2	13.8 - 16.9 - 24.0	60	55	47	38	30	24
	770	0.982	54 - 67 - 94	41	1195	244.4	16.5 - 20.2 - 28.6	66	61	53	43	34	28
8 Slots	90	0.010	11 - 16 - 32	-	140	2.6	3.2 - 4.8 - 9.6	27	22	18	13	-	-
	330	0.138	36 - 44 - 62	22	512	34.4	10.8 - 13.2 - 18.7	49	44	38	30	24	17
	450	0.257	42 - 51 - 72	28	699	63.9	12.6 - 15.5 - 21.9	55	50	43	34	27	21
	570	0.412	47 - 57 - 81	33	885	102.5	14.2 - 17.4 - 24.6	59	54	47	38	30	23
	810	0.832	56 - 68 - 96	40	1257	207.1	16.9 - 20.7 - 29.3	65	60	52	42	34	27

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See page E1-50 for blade orientation. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Without Blades

IP/METRIC DATA: 1900, 3/4" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	10	0.002	1 - 1 - 5	-	16	0.5	0.2 - 0.4 - 1.5	-	-	-	-	-	-
	70	0.100	12 - 16 - 22	16	109	25.0	3.6 - 4.8 - 6.8	46	37	32	25	17	-
	100	0.205	15 - 19 - 27	23	155	51.1	4.7 - 5.7 - 8.1	53	44	38	30	20	11
	130	0.347	17 - 21 - 30	30	202	86.3	5.3 - 6.5 - 9.2	58	49	42	33	23	14
	190	0.740	21 - 26 - 37	39	295	184.3	6.4 - 7.9 - 11.1	65	56	49	38	27	18
2 Slots	20	0.002	1 - 3 - 8	-	31	0.5	0.4 - 1.0 - 2.5	13	-	-	-	-	-
	130	0.087	17 - 21 - 30	18	202	21.6	5.3 - 6.5 - 9.2	48	39	34	27	19	-
	185	0.175	21 - 26 - 36	25	287	43.7	6.3 - 7.8 - 11.0	55	46	40	32	23	13
	240	0.295	24 - 29 - 41	32	373	73.5	7.2 - 8.8 - 12.5	59	50	44	35	25	16
	350	0.628	29 - 35 - 50	41	543	156.4	8.7 - 10.7 - 15.1	66	57	50	40	29	20
3 Slots	30	0.002	2 - 5 - 11	-	47	0.5	0.6 - 1.4 - 3.3	-	-	-	-	-	-
	180	0.074	21 - 25 - 36	18	279	18.4	6.3 - 7.7 - 10.8	48	39	35	28	20	-
	255	0.148	24 - 30 - 42	26	396	36.9	7.4 - 9.1 - 12.9	55	46	40	32	23	14
	330	0.248	28 - 34 - 48	32	512	61.8	8.5 - 10.4 - 14.7	60	50	44	36	26	17
	480	0.525	34 - 41 - 58	41	745	130.7	10.2 - 12.5 - 17.7	66	57	51	41	30	21
4 Slots	40	0.002	3 - 6 - 13	-	62	0.5	0.8 - 1.8 - 3.9	16	-	-	-	-	-
	210	0.057	22 - 27 - 38	17	326	14.1	6.8 - 8.3 - 11.7	47	38	34	27	20	-
	295	0.112	26 - 32 - 46	24	458	27.8	8.0 - 9.8 - 13.9	53	44	39	32	23	14
	380	0.185	30 - 37 - 52	30	590	46.1	9.1 - 11.1 - 15.7	58	49	43	35	26	17
	550	0.388	36 - 44 - 62	39	854	96.5	10.9 - 13.4 - 18.9	65	56	49	40	30	21
5 Slots	50	0.002	3 - 7 - 15	-	78	0.5	0.9 - 2.1 - 4.5	17	-	-	-	-	-
	270	0.060	25 - 31 - 44	19	419	14.9	7.7 - 9.4 - 13.3	49	40	35	28	21	11
	380	0.118	30 - 37 - 52	26	590	29.5	9.1 - 11.1 - 15.7	55	46	41	33	24	15
	490	0.197	34 - 42 - 59	32	761	49.0	10.3 - 12.6 - 17.9	60	51	45	36	27	18
	710	0.413	41 - 50 - 71	41	1102	103.0	12.4 - 15.2 - 21.5	66	57	51	41	31	22
6 Slots	60	0.002	4 - 8 - 16	-	93	0.5	1.1 - 2.4 - 5.0	18	-	-	-	-	-
	300	0.051	27 - 33 - 46	18	466	12.8	8.1 - 9.9 - 14.0	48	39	35	28	21	11
	420	0.100	31 - 38 - 54	25	652	25.0	9.5 - 11.7 - 16.5	54	45	40	33	24	15
	540	0.166	36 - 44 - 62	31	838	41.4	10.8 - 13.3 - 18.8	59	50	44	36	27	18
	780	0.347	43 - 52 - 74	40	1211	86.3	13.0 - 15.9 - 22.5	66	56	50	41	31	22
7 Slots	70	0.002	4 - 9 - 18	-	109	0.5	1.2 - 2.7 - 5.4	16	-	-	-	-	-
	350	0.051	29 - 35 - 50	19	543	12.8	8.7 - 10.7 - 15.1	49	40	35	29	21	12
	490	0.100	34 - 42 - 59	26	761	25.0	10.3 - 12.6 - 17.9	55	46	41	33	25	16
	630	0.166	38 - 47 - 67	32	978	41.4	11.7 - 14.3 - 20.3	59	50	45	37	28	18
	910	0.347	46 - 57 - 80	40	1413	86.3	14.1 - 17.2 - 24.3	66	57	51	41	32	22
8 Slots	80	0.002	4 - 10 - 19	-	124	0.5	1.3 - 2.9 - 5.9	19	11	-	-	-	-
	380	0.046	30 - 37 - 52	19	590	11.5	9.1 - 11.1 - 15.7	48	39	35	29	21	12
	530	0.090	35 - 43 - 61	25	823	22.4	10.7 - 13.1 - 18.6	54	46	41	33	25	16
	680	0.148	40 - 49 - 69	31	1056	36.9	12.1 - 14.9 - 21.0	59	50	45	36	28	18
	980	0.308	48 - 59 - 83	40	1521	76.6	14.6 - 17.9 - 25.3	66	57	50	41	32	22

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Horizontal Throw

IP/METRIC DATA: 1900, 1" SLOT WIDTH, CONTINUOUS SLOT

	IP Data					Metric Data										
	Air Flow	Press Ps	1-Way Throw	2-Way Throw	NC	Air Flow	Press Ps	1-Way Throw	2-Way Throw	Octave Band, dB					
	CFM/ft	"WG	ft	ft		L/s/m	Pa	m	m	2	3	4	5	6	7
1 Slot	5	0.003	0 - 1 - 4		-	8	0.7	0.1 - 0.3 - 1.3		17	-	-	-	-	-
	25	0.066	10 - 15 - 25		17	39	16.3	3.0 - 4.6 - 7.5		40	36	33	24	14	-
	35	0.129	14 - 21 - 29		25	54	32.0	4.3 - 6.2 - 8.8		44	42	41	33	24	16
	45	0.213	18 - 23 - 33		31	70	52.9	5.5 - 7.1 - 10.0		48	47	46	39	32	23
	65	0.444	23 - 28 - 40		40	101	110.4	7.0 - 8.5 - 12.0		53	55	55	49	43	33
2 Slots	10	0.003	1 - 2 - 9	1 - 2 - 6	-	16	0.7	0.3 - 0.7 - 2.6	0.2 - 0.5 - 1.9	20	-	-	-	-	-
	44	0.051	14 - 21 - 33	10 - 15 - 23	17	68	12.7	4.2 - 6.3 - 9.9	3.0 - 4.5 - 7.0	41	36	33	23	13	-
	61	0.098	19 - 27 - 38	14 - 19 - 27	25	95	24.3	5.8 - 8.3 - 11.7	4.1 - 5.8 - 8.2	46	43	41	32	23	16
	78	0.160	25 - 31 - 43	17 - 22 - 31	31	121	39.8	7.5 - 9.3 - 13.2	5.3 - 6.6 - 9.3	49	47	46	38	31	22
	112	0.329	30 - 37 - 52	21 - 26 - 37	40	174	82.0	9.1 - 11.2 - 15.8	6.5 - 7.9 - 11.2	54	55	54	48	42	32
3 Slots	15	0.003	1 - 3 - 12		-	23	0.7	0.4 - 0.9 - 3.6		17	-	-	-	-	-
	65	0.049	17 - 26 - 40		18	101	12.3	5.3 - 7.9 - 12.0		43	37	34	24	15	-
	90	0.094	24 - 33 - 47		26	140	23.5	7.3 - 10.0 - 14.2		47	44	42	33	24	17
	115	0.154	30 - 37 - 53		32	179	38.4	9.2 - 11.3 - 16.0		50	49	48	40	32	24
	165	0.318	36 - 45 - 63		41	256	79.1	11.1 - 13.6 - 19.2		55	56	56	49	43	33
4 Slots	20	0.003	2 - 4 - 14	1 - 3 - 10	-	31	0.7	0.5 - 1.1 - 4.3	0.4 - 0.8 - 3.1	23	-	-	-	-	-
	80	0.042	19 - 28 - 44	13 - 20 - 31	18	124	10.5	5.8 - 8.7 - 13.4	4.1 - 6.1 - 9.4	43	37	34	24	13	-
	110	0.079	26 - 36 - 52	18 - 26 - 36	25	171	19.8	7.9 - 11.1 - 15.7	5.6 - 7.8 - 11.1	47	43	41	32	23	16
	140	0.129	33 - 41 - 58	23 - 29 - 41	31	217	32.0	10.1 - 12.5 - 17.7	7.1 - 8.8 - 12.5	50	48	47	39	30	23
	200	0.262	40 - 49 - 69	28 - 35 - 49	40	310	65.3	12.2 - 14.9 - 21.1	8.6 - 10.6 - 14.9	55	55	55	48	41	32
5 Slots	25	0.003	2 - 4 - 16		-	39	0.7	0.6 - 1.3 - 4.9		24	-	-	-	-	-
	95	0.038	20 - 31 - 48		17	147	9.4	6.2 - 9.3 - 14.6		43	37	34	23	13	-
	130	0.071	28 - 40 - 56		25	202	17.7	8.5 - 12.0 - 17.0		47	43	41	32	22	16
	165	0.114	36 - 45 - 63		31	256	28.5	10.8 - 13.6 - 19.2		51	48	46	38	30	22
	235	0.232	43 - 53 - 75		40	365	57.7	13.2 - 16.2 - 22.9		56	55	54	47	40	31
6 Slots	30	0.003	2 - 5 - 18	2 - 3 - 13	-	47	0.7	0.7 - 1.5 - 5.4	0.5 - 1.0 - 3.8	25	11	-	-	-	-
	110	0.035	22 - 33 - 52	15 - 23 - 36	17	171	8.8	6.6 - 9.9 - 15.7	4.7 - 7.0 - 11.1	43	37	34	23	13	-
	150	0.066	30 - 43 - 60	21 - 30 - 43	25	233	16.3	9.0 - 12.9 - 18.3	6.4 - 9.1 - 12.9	48	43	41	31	22	15
	190	0.105	38 - 48 - 68	27 - 34 - 48	31	295	26.2	11.5 - 14.6 - 20.6	8.1 - 10.3 - 14.6	51	48	46	38	29	22
	270	0.213	47 - 57 - 81	33 - 40 - 57	40	419	52.9	14.2 - 17.4 - 24.5	10.0 - 12.3 - 17.4	56	55	54	47	40	31
7 Slots	35	0.003	2 - 5 - 19		-	54	0.7	0.7 - 1.6 - 5.9		24	-	-	-	-	-
	125	0.033	23 - 35 - 55		17	194	8.3	7.0 - 10.5 - 16.7		44	37	34	23	12	-
	170	0.062	31 - 45 - 64		25	264	15.4	9.6 - 13.8 - 19.5		48	43	41	31	22	15
	215	0.099	40 - 51 - 72		31	334	24.7	12.1 - 15.5 - 21.9		51	48	46	38	29	21
	305	0.199	50 - 61 - 86		40	473	49.6	15.1 - 18.4 - 26.1		56	55	54	47	39	31
8 Slots	40	0.003	3 - 6 - 21	2 - 4 - 15	-	62	0.7	0.8 - 1.8 - 6.3	0.6 - 1.2 - 4.5	26	12	-	-	-	-
	140	0.032	24 - 37 - 58	17 - 26 - 41	18	217	8.0	7.4 - 11.1 - 17.7	5.2 - 7.8 - 12.5	44	37	34	23	12	-
	190	0.059	33 - 48 - 68	23 - 34 - 48	25	295	14.7	10.0 - 14.6 - 20.6	7.1 - 10.3 - 14.6	48	44	41	31	22	15
	240	0.094	42 - 54 - 76	29 - 38 - 54	31	373	23.5	12.7 - 16.4 - 23.1	9.0 - 11.6 - 16.4	51	48	46	37	29	21
	340	0.190	52 - 64 - 91	37 - 45 - 64	40	528	47.2	15.9 - 19.5 - 27.5	11.2 - 13.8 - 19.5	56	55	54	47	39	31

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. Odd numbered slots for 2-Way data have been intentionally left blank. See page E1-50 for blade orientation. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Blades Up

IP/METRIC DATA: 1900, 1" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7	
1 Slot	5	0.002	1 - 1 - 4	-	8	0.4	0.2 - 0.4 - 1.4	-	-	-	-	-	-	
	75	0.339	17 - 21 - 29	19	116	84.4	5.2 - 6.3 - 8.9	47	41	36	29	22	12	
	110	0.729	21 - 25 - 36	26	171	181.5	6.2 - 7.6 - 10.8	54	48	42	34	26	17	
	145	1.266	24 - 29 - 41	32	225	315.3	7.2 - 8.8 - 12.4	59	53	46	38	29	20	
	215	2.784	29 - 35 - 50	40	334	693.3	8.7 - 10.7 - 15.1	66	60	52	43	34	24	
2 Slots	10	0.002	1 - 2 - 6	-	16	0.4	0.3 - 0.6 - 2.0	-	-	-	-	-	-	
	130	0.254	22 - 27 - 39	20	202	63.4	6.8 - 8.3 - 11.8	47	41	36	30	23	14	
	190	0.544	27 - 33 - 47	27	295	135.4	8.2 - 10.0 - 14.2	54	48	42	35	28	18	
	250	0.941	31 - 38 - 54	32	388	234.3	9.4 - 11.5 - 16.3	59	53	47	39	31	21	
	370	2.061	38 - 46 - 65	40	574	513.3	11.4 - 14.0 - 19.8	66	60	53	44	35	26	
3 Slots	15	0.002	1 - 3 - 8	-	23	0.4	0.4 - 0.8 - 2.4	-	-	-	-	-	-	
	175	0.205	26 - 32 - 45	20	272	51.0	7.9 - 9.6 - 13.6	47	41	36	31	24	14	
	255	0.435	31 - 38 - 54	27	396	108.4	9.5 - 11.6 - 16.5	54	48	42	36	28	18	
	335	0.751	36 - 44 - 62	32	520	187.0	10.9 - 13.3 - 18.9	59	53	47	39	31	21	
	495	1.640	44 - 53 - 75	40	768	408.3	13.2 - 16.2 - 22.9	66	60	53	44	36	26	
4 Slots	20	0.002	1 - 3 - 9	-	31	0.4	0.4 - 0.9 - 2.8	-	-	-	-	-	-	
	220	0.182	29 - 36 - 50	20	342	45.4	8.8 - 10.8 - 15.3	47	41	37	31	24	15	
	320	0.385	35 - 43 - 61	27	497	96.0	10.6 - 13.0 - 18.4	54	48	43	36	29	19	
	420	0.664	40 - 49 - 69	32	652	165.3	12.2 - 14.9 - 21.1	59	53	47	40	32	22	
	620	1.447	49 - 60 - 84	40	963	360.3	14.8 - 18.1 - 25.7	66	60	53	45	36	27	
5 Slots	25	0.002	2 - 3 - 10	-	39	0.4	0.5 - 1.1 - 3.2	-	-	-	-	-	-	
	265	0.169	32 - 39 - 55	21	411	42.1	9.7 - 11.9 - 16.8	47	42	37	32	25	15	
	385	0.357	38 - 47 - 67	27	598	88.9	11.7 - 14.3 - 20.2	54	48	43	37	29	19	
	505	0.614	44 - 54 - 76	32	784	153.0	13.4 - 16.4 - 23.2	59	53	47	40	32	23	
	745	1.337	53 - 65 - 93	40	1157	333.0	16.2 - 19.9 - 28.1	66	60	53	45	37	27	
6 Slots	30	0.002	2 - 4 - 11	-	47	0.4	0.5 - 1.2 - 3.5	-	-	-	-	-	-	
	300	0.151	34 - 42 - 59	21	466	37.5	10.3 - 12.6 - 17.9	47	41	37	32	25	15	
	435	0.317	41 - 50 - 71	27	675	78.8	12.4 - 15.2 - 21.5	54	48	43	37	29	20	
	570	0.544	47 - 57 - 81	32	885	135.4	14.2 - 17.4 - 24.6	59	53	47	40	32	23	
	840	1.181	57 - 69 - 98	40	1304	293.9	17.2 - 21.1 - 29.9	66	60	53	45	37	27	
7 Slots	35	0.002	2 - 4 - 12	-	54	0.4	0.6 - 1.3 - 3.8	-	-	-	-	-	-	
	345	0.146	36 - 45 - 63	21	536	36.4	11.1 - 13.5 - 19.1	48	42	37	32	25	16	
	500	0.307	44 - 54 - 76	28	776	76.5	13.3 - 16.3 - 23.0	54	48	43	37	30	20	
	655	0.527	50 - 61 - 87	32	1017	131.3	15.2 - 18.7 - 26.4	59	53	47	41	33	23	
	965	1.145	61 - 74 - 105	40	1498	285.0	18.5 - 22.6 - 32.0	66	60	54	46	37	28	
8 Slots	40	0.002	2 - 4 - 13	-	62	0.4	0.6 - 1.4 - 4.0	-	-	-	-	-	-	
	380	0.136	38 - 47 - 66	21	590	33.8	11.6 - 14.2 - 20.1	47	42	37	32	26	16	
	550	0.285	46 - 56 - 80	28	854	70.9	14.0 - 17.1 - 24.2	54	48	43	37	30	20	
	720	0.488	53 - 64 - 91	32	1118	121.5	16.0 - 19.6 - 27.7	59	53	47	41	33	23	
	1060	1.057	64 - 78 - 110	40	1646	263.3	19.4 - 23.7 - 33.6	66	60	54	46	37	28	

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See page E1-50 for blade orientation. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Without Blades

IP/METRIC DATA: 1900, 1" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	5	0.000	0 - 0 - 1	-	8	0.1	0.0 - 0.1 - 0.4	-	-	-	-	-	-
	85	0.082	14 - 17 - 24	15	132	20.5	4.2 - 5.1 - 7.2	46	37	32	23	13	-
	125	0.178	17 - 20 - 29	23	194	44.3	5.0 - 6.2 - 8.7	53	44	37	29	17	-
	165	0.310	19 - 23 - 33	30	256	77.2	5.8 - 7.1 - 10.0	58	49	42	32	20	11
	245	0.684	23 - 28 - 40	39	380	170.2	7.1 - 8.7 - 12.2	65	56	48	38	24	15
2 Slots	10	0.000	0 - 1 - 3	-	16	0.1	0.1 - 0.2 - 0.9	-	-	-	-	-	-
	150	0.064	18 - 22 - 31	16	233	16.0	5.5 - 6.8 - 9.6	47	38	33	25	14	-
	220	0.138	22 - 27 - 38	24	342	34.3	6.7 - 8.2 - 11.6	54	45	38	30	19	-
	290	0.239	25 - 31 - 44	31	450	59.6	7.7 - 9.4 - 13.3	59	49	43	34	22	12
	430	0.527	31 - 38 - 53	40	668	131.1	9.4 - 11.5 - 16.2	66	56	49	39	26	16
3 Slots	15	0.000	1 - 1 - 5	-	23	0.1	0.2 - 0.4 - 1.5	-	-	-	-	-	-
	205	0.053	21 - 26 - 37	17	318	13.2	6.5 - 7.9 - 11.2	47	38	33	25	15	-
	300	0.114	26 - 31 - 45	24	466	28.4	7.8 - 9.6 - 13.5	54	45	39	30	19	-
	395	0.197	30 - 36 - 51	31	613	49.2	9.0 - 11.0 - 15.5	59	49	43	34	22	13
	585	0.433	36 - 44 - 62	40	908	107.8	10.9 - 13.4 - 18.9	66	56	49	40	27	17
4 Slots	20	0.000	1 - 2 - 6	-	31	0.1	0.2 - 0.5 - 2.0	-	-	-	-	-	-
	260	0.048	24 - 29 - 41	17	404	12.0	7.3 - 8.9 - 12.6	47	38	34	26	16	-
	380	0.103	29 - 35 - 50	25	590	25.6	8.8 - 10.8 - 15.2	54	45	39	31	20	-
	500	0.178	33 - 41 - 58	31	776	44.3	10.1 - 12.4 - 17.5	59	50	43	35	23	13
	740	0.390	40 - 49 - 70	40	1149	97.1	12.3 - 15.0 - 21.3	66	57	49	40	27	18
5 Slots	25	0.000	1 - 2 - 8	-	39	0.1	0.3 - 0.6 - 2.4	-	-	-	-	-	-
	305	0.042	26 - 32 - 45	17	473	10.6	7.9 - 9.7 - 13.7	47	38	34	26	16	-
	445	0.090	31 - 38 - 54	24	691	22.5	9.5 - 11.7 - 16.5	54	45	39	31	20	11
	585	0.156	36 - 44 - 62	31	908	38.8	10.9 - 13.4 - 18.9	59	50	43	35	23	14
	865	0.341	44 - 53 - 76	40	1343	84.9	13.3 - 16.3 - 23.0	66	56	49	40	27	18
6 Slots	30	0.000	1 - 2 - 9	-	47	0.1	0.3 - 0.7 - 2.8	-	-	-	-	-	-
	350	0.039	28 - 34 - 48	17	543	9.7	8.4 - 10.3 - 14.6	47	38	34	26	16	-
	510	0.082	34 - 41 - 58	24	792	20.5	10.2 - 12.5 - 17.7	54	45	39	31	21	11
	670	0.142	38 - 47 - 67	31	1040	35.4	11.7 - 14.3 - 20.2	59	50	43	35	23	14
	990	0.310	47 - 57 - 81	40	1537	77.2	14.2 - 17.4 - 24.6	66	56	49	40	28	18
7 Slots	35	0.000	1 - 3 - 10	-	54	0.1	0.3 - 0.8 - 3.1	-	-	-	-	-	-
	395	0.036	30 - 36 - 51	17	613	9.0	9.0 - 11.0 - 15.5	47	38	34	26	17	-
	575	0.077	36 - 44 - 62	24	893	19.1	10.8 - 13.3 - 18.7	54	45	39	31	21	11
	755	0.133	41 - 50 - 71	31	1172	33.0	12.4 - 15.2 - 21.5	59	50	44	35	24	14
	1115	0.289	50 - 61 - 86	40	1731	72.0	15.1 - 18.5 - 26.1	66	56	50	40	28	19
8 Slots	40	0.000	1 - 3 - 11	-	62	0.1	0.4 - 0.9 - 3.5	-	-	-	-	-	-
	440	0.034	31 - 38 - 54	18	683	8.6	9.5 - 11.6 - 16.4	47	38	34	26	17	-
	640	0.073	38 - 46 - 65	24	994	18.2	11.4 - 14.0 - 19.8	54	45	40	32	21	12
	840	0.126	43 - 53 - 75	31	1304	31.3	13.1 - 16.0 - 22.7	59	50	44	35	24	15
	1240	0.274	52 - 64 - 91	40	1925	68.1	15.9 - 19.5 - 27.5	66	57	50	41	28	19

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). Throw values are given for isothermal conditions and a 4' (1219) length. For other lengths, see correction charts below. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Horizontal Throw

IP/METRIC DATA: 1900, 1 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data					Metric Data										
	Air Flow	Press Ps	1-Way Throw	2-Way Throw	NC	Air Flow	Press Ps	1-Way Throw	2-Way Throw	Octave Band, dB					
	CFM/ft	"WG	ft	ft		L/s/m	Pa	m	m	2	3	4	5	6	7
1 Slot	10	0.013	6 - 9 - 16		-	16	3.3	1.8 - 2.7 - 4.7		26	16	-	-	-	-
	30	0.120	16 - 19 - 27		17	47	29.8	4.7 - 5.8 - 8.2		41	40	34	27	22	13
	40	0.213	18 - 22 - 31		25	62	53.0	5.5 - 6.7 - 9.4		45	46	41	35	31	24
	50	0.333	20 - 25 - 35		31	78	82.9	6.1 - 7.5 - 10.6		48	51	46	41	38	33
	70	0.652	24 - 29 - 41		40	109	162.4	7.2 - 8.8 - 12.5		52	58	55	50	48	46
2 Slots	20	0.013	8 - 12 - 22	5 - 8 - 16	-	31	3.3	2.3 - 3.6 - 6.7	1.6 - 2.5 - 4.7	29	19	-	-	-	-
	60	0.120	22 - 27 - 38	16 - 19 - 27	21	93	29.8	6.7 - 8.2 - 11.6	4.7 - 5.8 - 8.2	44	43	37	30	25	16
	80	0.213	25 - 31 - 44	18 - 22 - 31	28	124	53.0	7.7 - 9.4 - 13.4	5.5 - 6.7 - 9.4	48	49	44	38	34	27
	100	0.333	28 - 35 - 49	20 - 25 - 35	34	155	82.9	8.6 - 10.6 - 14.9	6.1 - 7.5 - 10.6	51	54	49	44	41	36
	140	0.652	34 - 41 - 58	24 - 29 - 41	43	217	162.4	10.2 - 12.5 - 17.7	7.2 - 8.8 - 12.5	55	61	58	53	51	49
3 Slots	30	0.013	9 - 14 - 27		-	47	3.3	2.7 - 4.3 - 8.2		25	12	-	-	-	-
	80	0.095	25 - 31 - 44		19	124	23.6	7.7 - 9.4 - 13.4		44	42	36	29	23	13
	105	0.163	29 - 36 - 50		27	163	40.6	8.8 - 10.8 - 15.3		48	48	42	36	32	23
	130	0.250	32 - 40 - 56		32	202	62.2	9.8 - 12.0 - 17.0		51	52	48	42	38	32
	180	0.479	38 - 47 - 66		41	279	119.3	11.6 - 14.2 - 20.0		55	59	56	50	48	45
4 Slots	50	0.021	14 - 20 - 35	10 - 14 - 25	-	78	5.2	4.1 - 6.2 - 10.6	2.9 - 4.4 - 7.5	35	27	18	-	-	-
	110	0.101	30 - 36 - 52	21 - 26 - 36	22	171	25.1	9.0 - 11.1 - 15.7	6.4 - 7.8 - 11.1	46	44	38	31	25	15
	140	0.163	34 - 41 - 58	24 - 29 - 41	28	217	40.6	10.2 - 12.5 - 17.7	7.2 - 8.8 - 12.5	49	49	44	37	33	25
	170	0.240	37 - 45 - 64	26 - 32 - 45	33	264	59.9	11.2 - 13.8 - 19.5	8.0 - 9.7 - 13.8	52	53	48	43	39	32
	230	0.440	43 - 53 - 75	30 - 37 - 53	41	357	109.6	13.1 - 16.0 - 22.7	9.2 - 11.3 - 16.0	56	60	56	51	48	44

1900 Performance Data: Vertical Blades Up

IP/METRIC DATA: 1900, 1 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data										
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB					
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	10	0.006	3 - 5 - 10	-	16	1.6	1.1 - 1.6 - 3.2	13	-	-	-	-	-
	40	0.103	12 - 15 - 21	13	62	25.5	3.8 - 4.6 - 6.5	41	37	29	25	20	-
	55	0.194	15 - 18 - 25	22	85	48.3	4.4 - 5.4 - 7.6	47	45	38	33	30	23
	70	0.314	16 - 20 - 28	30	109	78.2	5.0 - 6.1 - 8.6	52	51	45	40	39	33
	100	0.641	20 - 24 - 34	41	155	159.5	6.0 - 7.3 - 10.3	59	61	56	49	51	48
2 Slots	20	0.006	5 - 8 - 15	-	31	1.6	1.5 - 2.3 - 4.6	16	-	-	-	-	-
	70	0.079	16 - 20 - 28	13	109	19.5	5.0 - 6.1 - 8.6	41	36	28	25	18	-
	95	0.145	19 - 23 - 33	21	147	36.0	5.8 - 7.1 - 10.0	47	44	37	33	29	20
	120	0.231	21 - 26 - 37	29	186	57.4	6.5 - 8.0 - 11.3	52	50	44	39	36	30
	170	0.463	26 - 31 - 44	39	264	115.3	7.8 - 9.5 - 13.4	59	59	54	48	48	44
3 Slots	30	0.006	6 - 9 - 19	-	47	1.6	1.9 - 2.9 - 5.6	17	-	-	-	-	-
	100	0.071	20 - 24 - 34	13	155	17.7	6.0 - 7.3 - 10.3	42	37	28	25	18	-
	135	0.130	23 - 28 - 39	22	210	32.3	6.9 - 8.5 - 12.0	48	45	37	33	28	19
	170	0.206	26 - 31 - 44	29	264	51.2	7.8 - 9.5 - 13.4	53	51	44	39	36	29
	240	0.410	30 - 37 - 53	40	373	102.1	9.2 - 11.3 - 16.0	60	60	54	48	48	43
4 Slots	40	0.006	7 - 11 - 21	-	62	1.6	2.2 - 3.3 - 6.5	19	-	-	-	-	-
	130	0.068	22 - 27 - 39	14	202	16.9	6.8 - 8.3 - 11.8	43	37	29	26	19	-
	175	0.123	26 - 32 - 45	22	272	30.5	7.9 - 9.6 - 13.6	49	45	37	33	29	19
	220	0.194	29 - 36 - 50	30	342	48.3	8.8 - 10.8 - 15.3	53	51	44	39	36	29
	310	0.385	34 - 42 - 60	40	481	95.8	10.5 - 12.8 - 18.1	60	60	54	49	48	43

NOTE: See correction factors below and notes on page E1-67.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Without Blades

IP/METRIC DATA: 1900, 1 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	30	0.002	7 - 10 - 14	-	47	0.4	2.3 - 3.0 - 4.3	21	13	-	-	-	-
	90	0.016	14 - 17 - 24	16	140	3.9	4.3 - 5.2 - 7.4	44	39	30	21	13	-
	120	0.028	16 - 20 - 28	24	186	6.9	4.9 - 6.1 - 8.6	50	46	39	31	26	16
	150	0.043	18 - 22 - 31	30	233	10.8	5.5 - 6.8 - 9.6	55	52	45	39	35	25
	210	0.085	22 - 26 - 37	41	326	21.2	6.5 - 8.0 - 11.3	62	60	55	50	49	38
2 Slots	60	0.002	10 - 14 - 20	-	93	0.4	3.1 - 4.3 - 6.1	24	16	-	-	-	-
	170	0.014	19 - 24 - 34	18	264	3.5	5.9 - 7.2 - 10.2	46	41	32	22	14	-
	225	0.024	22 - 27 - 39	26	349	6.1	6.8 - 8.3 - 11.7	52	48	40	32	26	17
	280	0.038	25 - 30 - 43	32	435	9.4	7.6 - 9.3 - 13.1	56	53	46	39	35	25
	390	0.073	29 - 36 - 51	42	605	18.2	8.9 - 10.9 - 15.4	63	61	56	50	49	38
3 Slots	90	0.002	12 - 17 - 24	-	140	0.4	3.8 - 5.2 - 7.4	26	18	-	-	-	-
	240	0.012	23 - 28 - 40	18	373	3.1	7.0 - 8.6 - 12.1	46	41	32	22	13	-
	315	0.021	26 - 32 - 46	26	489	5.3	8.0 - 9.8 - 13.9	52	48	40	31	25	16
	390	0.033	29 - 36 - 51	32	605	8.1	8.9 - 10.9 - 15.4	56	53	46	38	34	24
	540	0.062	35 - 42 - 60	41	838	15.5	10.5 - 12.8 - 18.2	63	61	55	50	48	37
4 Slots	120	0.002	14 - 20 - 28	-	186	0.4	4.3 - 6.1 - 8.6	27	19	-	-	-	-
	310	0.012	26 - 32 - 45	19	481	2.9	7.9 - 9.7 - 13.8	47	42	32	22	13	-
	405	0.020	30 - 37 - 52	26	629	4.9	9.1 - 11.1 - 15.7	52	48	40	31	24	16
	500	0.030	33 - 41 - 58	32	776	7.5	10.1 - 12.4 - 17.5	57	53	46	38	33	24
	690	0.057	39 - 48 - 68	41	1071	14.3	11.9 - 14.5 - 20.5	64	61	55	49	47	37

1900 Performance Data: Horizontal Throw

IP/METRIC DATA: 1900, 2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data					Metric Data										
	Air Flow	Press Ps	1-Way Throw	2-Way Throw	NC	Air Flow	Press Ps	1-Way Throw	2-Way Throw	Octave Band, dB						
	CFM/ft	"WG	ft	ft		L/s/m	Pa	m	m	2	3	4	5	6	7
1 Slot	10	0.016	6 - 9 - 16		-	16	4.1	1.8 - 2.8 - 4.7		19	15	-	-	-	-
	30	0.148	16 - 19 - 27		18	47	36.7	4.7 - 5.8 - 8.2		40	39	34	29	25	17
	40	0.262	18 - 22 - 31		25	62	65.3	5.5 - 6.7 - 9.4		45	45	41	36	34	29
	50	0.410	20 - 25 - 35		31	78	102.1	6.1 - 7.5 - 10.6		49	49	46	43	41	38
	70	0.804	24 - 29 - 41		41	109	200.1	7.2 - 8.8 - 12.5		56	56	54	52	51	51
2 Slots	20	0.016	9 - 13 - 22	6 - 9 - 16	-	31	4.1	2.7 - 4.0 - 6.7	1.9 - 2.8 - 4.7	22	18	11	-	-	-
	54	0.120	21 - 26 - 36	15 - 18 - 26	18	84	29.8	6.3 - 7.8 - 11.0	4.5 - 5.5 - 7.8	41	39	35	29	25	16
	71	0.207	24 - 29 - 41	17 - 21 - 29	25	110	51.5	7.3 - 8.9 - 12.6	5.1 - 6.3 - 8.9	46	45	41	36	33	27
	88	0.317	27 - 33 - 46	19 - 23 - 33	31	137	79.1	8.1 - 9.9 - 14.0	5.7 - 7.0 - 9.9	50	50	46	42	40	36
	122	0.610	31 - 38 - 54	22 - 27 - 38	40	189	151.9	9.5 - 11.7 - 16.5	6.7 - 8.2 - 11.7	56	56	54	51	50	49
3 Slots	30	0.016	11 - 16 - 27		-	47	4.1	3.3 - 5.0 - 8.2		16	12	-	-	-	-
	80	0.117	25 - 31 - 44		20	124	29.0	7.7 - 9.4 - 13.4		42	41	36	30	26	17
	105	0.201	29 - 36 - 50		27	163	50.0	8.8 - 10.8 - 15.3		47	47	42	38	35	28
	130	0.308	32 - 40 - 56		32	202	76.7	9.8 - 12.0 - 17.0		51	51	47	43	41	37
	180	0.590	38 - 47 - 66		41	279	147.0	11.6 - 14.2 - 20.0		57	58	55	52	51	50
4 Slots	40	0.016	13 - 19 - 31	9 - 13 - 22	-	62	4.1	3.8 - 5.8 - 9.4	2.7 - 4.1 - 6.7	25	21	14	-	-	-
	100	0.103	28 - 35 - 49	20 - 25 - 35	20	155	25.5	8.6 - 10.6 - 14.9	6.1 - 7.5 - 10.6	42	41	36	30	25	16
	130	0.173	32 - 40 - 56	23 - 28 - 40	26	202	43.1	9.8 - 12.0 - 17.0	7.0 - 8.5 - 12.0	47	46	42	37	33	26
	160	0.262	36 - 44 - 62	25 - 31 - 44	32	248	65.3	10.9 - 13.4 - 18.9	7.7 - 9.4 - 13.4	51	51	47	43	40	35
	220	0.496	42 - 52 - 73	30 - 36 - 52	40	342	123.5	12.8 - 15.7 - 22.2	9.0 - 11.1 - 15.7	57	57	54	51	50	48

NOTE: See correction factors below and notes on page E1-67.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Vertical Blades Up

IP/METRIC DATA: 1900, 2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	10	0.007	4 - 6 - 11	-	16	1.7	1.2 - 1.7 - 3.3	-	-	-	-	-	-
	38	0.100	12 - 15 - 21	-	59	24.9	3.7 - 4.5 - 6.4	37	32	25	21	19	-
	52	0.187	14 - 17 - 24	18	81	46.7	4.3 - 5.3 - 7.4	46	42	35	30	28	20
	66	0.302	16 - 19 - 28	27	102	75.2	4.8 - 5.9 - 8.4	52	49	42	37	35	30
	94	0.613	19 - 23 - 33	40	146	152.5	5.8 - 7.1 - 10.0	62	60	53	48	46	47
2 Slots	20	0.007	5 - 8 - 15	-	31	1.7	1.6 - 2.5 - 4.6	-	-	-	-	-	-
	70	0.085	16 - 20 - 28	-	109	21.1	5.0 - 6.1 - 8.6	38	32	25	21	19	-
	95	0.156	19 - 23 - 33	19	147	38.9	5.8 - 7.1 - 10.0	46	42	35	30	28	18
	120	0.250	21 - 26 - 37	27	186	62.1	6.5 - 8.0 - 11.3	53	49	42	37	35	29
	170	0.501	26 - 31 - 44	40	264	124.7	7.8 - 9.5 - 13.4	63	60	53	48	46	45
3 Slots	30	0.007	7 - 10 - 19	-	47	1.7	2.0 - 3.0 - 5.6	-	-	-	-	-	-
	100	0.077	20 - 24 - 34	10	155	19.2	6.0 - 7.3 - 10.3	38	33	26	22	19	-
	135	0.140	23 - 28 - 39	19	210	35.0	6.9 - 8.5 - 12.0	47	42	35	30	28	18
	170	0.223	26 - 31 - 44	27	264	55.4	7.8 - 9.5 - 13.4	53	49	42	37	35	28
	240	0.444	30 - 37 - 53	40	373	110.5	9.2 - 11.3 - 16.0	63	60	53	48	46	44
4 Slots	40	0.007	8 - 11 - 21	-	62	1.7	2.3 - 3.5 - 6.5	-	-	-	-	-	-
	130	0.073	22 - 27 - 39	10	202	18.2	6.8 - 8.3 - 11.8	39	33	26	22	20	-
	175	0.133	26 - 32 - 45	19	272	33.0	7.9 - 9.6 - 13.6	47	42	35	31	29	18
	220	0.210	29 - 36 - 50	27	342	52.2	8.8 - 10.8 - 15.3	53	49	42	38	36	28
	310	0.416	34 - 42 - 60	40	481	103.7	10.5 - 12.8 - 18.1	63	60	53	48	46	44

1900 Performance Data: Vertical Without Blades

IP/METRIC DATA: 1900, 2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data				Metric Data									
	Air Flow	Press Ps	Vertical Throw	NC	Air Flow	Press Ps	Vertical Throw	Octave Band, dB						
	CFM/ft	"WG	ft		L/s/m	Pa	m	2	3	4	5	6	7
1 Slot	30	0.001	6 - 10 - 14	-	47	0.3	2.0 - 3.0 - 4.3	11	-	-	-	-	-
	110	0.014	16 - 19 - 27	11	171	3.4	4.7 - 5.8 - 8.2	41	35	27	19	12	-
	150	0.025	18 - 22 - 31	21	233	6.3	5.5 - 6.8 - 9.6	48	44	36	29	24	14
	190	0.041	20 - 25 - 35	28	295	10.2	6.2 - 7.6 - 10.8	53	50	43	37	34	24
	270	0.083	24 - 30 - 42	39	419	20.5	7.4 - 9.1 - 12.8	61	59	53	49	48	39
2 Slots	60	0.001	9 - 14 - 20	-	93	0.3	2.8 - 4.3 - 6.1	14	-	-	-	-	-
	210	0.012	22 - 26 - 37	13	326	3.1	6.5 - 8.0 - 11.3	42	37	29	21	13	-
	285	0.023	25 - 31 - 43	23	442	5.7	7.6 - 9.3 - 13.2	49	45	38	31	25	14
	360	0.037	28 - 35 - 49	30	559	9.1	8.6 - 10.5 - 14.8	55	51	45	38	34	24
	510	0.074	34 - 41 - 58	40	792	18.3	10.2 - 12.5 - 17.7	63	60	54	50	48	40
3 Slots	90	0.001	11 - 17 - 24	-	140	0.3	3.5 - 5.2 - 7.4	16	-	-	-	-	-
	290	0.011	25 - 31 - 44	13	450	2.6	7.7 - 9.4 - 13.3	42	37	29	20	11	-
	390	0.019	29 - 36 - 51	22	605	4.8	8.9 - 10.9 - 15.4	49	45	37	30	23	12
	490	0.030	33 - 40 - 57	29	761	7.5	10.0 - 12.2 - 17.3	54	50	44	37	32	22
	690	0.060	39 - 48 - 68	39	1071	14.9	11.9 - 14.5 - 20.5	62	59	53	48	46	37
4 Slots	120	0.001	13 - 20 - 28	-	186	0.3	4.0 - 6.1 - 8.6	17	-	-	-	-	-
	380	0.010	29 - 35 - 50	14	590	2.5	8.8 - 10.8 - 15.2	43	38	29	21	12	-
	510	0.018	34 - 41 - 58	23	792	4.6	10.2 - 12.5 - 17.7	50	45	38	30	24	12
	640	0.029	38 - 46 - 65	30	994	7.2	11.4 - 14.0 - 19.8	55	51	44	38	33	22
	900	0.057	45 - 55 - 77	40	1397	14.3	13.5 - 16.6 - 23.5	63	60	54	49	46	37

NOTE: See correction factors below and notes on page E1-67.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return with Blades	0	+3	+5	+6	+8

Throw Multiplier for Length					
Length, ft	2	4	8	10	12
Length, m	0.6	1.2	2.4	3.0	3.6
Correction	0.7	0	1.5	1.7	1.8

1900 Performance Data: Return

IP/METRIC DATA: 1900 RETURN, 1/2" SLOT WIDTH, CONTINUOUS SLOT

	IP Data			Metric Data								
	Air Flow	Press Ps	NC	Air Flow	Press Ps	Octave Band, dB						
	CFM/ft	"WG		L/s/m	Pa	2	3	4	5	6	7	
1 Slot	5	-0.003	-	8	-0.7	-	-	-	-	-	-	
	25	-0.070	21	39	-17.5	31	29	22	-	-	-	
	35	-0.138	27	54	-34.3	37	34	32	-	-	-	
	45	-0.228	31	70	-56.7	41	38	39	13	-	-	
	65	-0.475	40	101	-118.4	47	44	50	24	-	-	
2 Slots	10	-0.003	-	15	-0.7	-	-	-	-	-	-	
	46	-0.060	23	71	-14.8	33	30	23	-	-	-	
	64	-0.115	28	99	-28.7	38	36	32	-	-	-	
	82	-0.189	33	127	-47.1	43	40	39	14	-	-	
	118	-0.392	40	183	-97.5	49	45	50	24	-	-	
3 Slots	15	-0.003	-	23	-0.7	-	-	-	-	-	-	
	65	-0.053	23	101	-13.2	33	31	23	-	-	-	
	90	-0.101	29	139	-25.2	39	36	32	-	-	-	
	115	-0.165	33	178	-41.2	43	40	39	14	-	-	
	165	-0.340	40	255	-84.7	49	46	50	24	-	-	
4 Slots	20	-0.003	-	31	-0.7	-	-	-	-	-	-	
	84	-0.050	24	130	-12.4	34	32	23	-	-	-	
	116	-0.095	30	180	-23.6	40	37	32	-	-	-	
	148	-0.154	34	229	-38.4	44	41	39	14	-	-	
	212	-0.316	40	328	-78.7	50	47	50	24	-	-	
5 Slots	25	-0.003	-	39	-0.7	11	-	-	-	-	-	
	105	-0.050	25	163	-12.4	35	33	24	-	-	-	
	145	-0.095	31	225	-23.6	41	38	33	-	-	-	
	185	-0.154	35	286	-38.4	45	42	40	15	-	-	
	265	-0.316	41	410	-78.7	51	48	51	25	-	-	
6 Slots	30	-0.003	-	46	-0.7	12	11	-	-	-	-	
	120	-0.045	25	186	-11.2	35	33	23	-	-	-	
	165	-0.085	31	255	-21.2	41	38	33	-	-	-	
	210	-0.138	35	325	-34.3	45	42	40	14	-	-	
	300	-0.281	41	465	-70.0	51	48	50	24	-	-	
7 Slots	35	-0.003	-	54	-0.7	-	-	-	-	-	-	
	135	-0.042	25	209	-10.4	35	33	23	-	-	-	
	185	-0.079	31	286	-19.6	41	38	32	-	-	-	
	235	-0.127	35	364	-31.6	45	42	39	14	-	-	
	335	-0.258	41	519	-64.2	51	48	49	24	-	-	
8 Slots	40	-0.003	-	62	-0.7	13	12	-	-	-	-	
	150	-0.040	25	232	-9.8	35	33	23	-	-	-	
	205	-0.074	31	317	-18.4	41	38	32	-	-	-	
	260	-0.119	35	403	-29.6	45	42	39	13	-	-	
	370	-0.241	41	573	-59.9	51	48	49	23	-	-	

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Correction	-2	0	+2	+3	+5

1900 Performance Data: Return

IP/METRIC DATA: 1900 RETURN, 3/4" SLOT WIDTH, CONTINUOUS SLOT

	IP Data			Metric Data								
	Air Flow	Press Ps	NC	Air Flow	Press Ps	Octave Band, dB						
	CFM/ft	"WG		L/s/m	Pa	2	3	4	5	6	7
1 Slot	5	-0.002	-	8	-0.4	-	-	-	-	-	-
	31	-0.068	17	48	-16.8	27	24	20	-	-	-
	44	-0.136	23	68	-33.9	33	30	30	-	-	-
	57	-0.228	28	88	-56.9	37	34	38	12	-	-
	83	-0.484	39	129	-120.6	43	40	49	23	-	-
2 Slots	10	-0.002	-	16	-0.4	-	-	-	-	-	-
	58	-0.059	19	90	-14.7	29	26	21	-	-	-
	82	-0.118	25	127	-29.4	35	32	31	-	-	-
	106	-0.198	29	165	-49.2	39	36	39	13	-	-
	154	-0.417	40	239	-103.8	45	42	50	24	-	-
3 Slots	15	-0.002	-	23	-0.4	-	-	-	-	-	-
	83	-0.054	20	129	-13.4	30	27	22	-	-	-
	117	-0.107	25	182	-26.6	35	33	32	-	-	-
	151	-0.178	30	234	-44.4	40	37	39	13	-	-
	219	-0.375	40	340	-93.3	46	43	50	24	-	-
4 Slots	20	-0.002	-	31	-0.4	-	-	-	-	-	-
	110	-0.053	21	171	-13.2	31	28	23	-	-	-
	155	-0.106	27	241	-26.3	37	34	33	-	-	-
	200	-0.176	31	310	-43.8	41	38	40	14	-	-
	290	-0.370	41	450	-92.0	47	44	51	25	11	-
5 Slots	25	-0.002	-	39	-0.4	-	-	-	-	-	-
	135	-0.051	21	210	-12.8	31	29	23	-	-	-
	190	-0.102	27	295	-25.3	37	34	33	-	-	-
	245	-0.169	32	380	-42.0	42	38	41	15	-	-
	355	-0.354	41	551	-88.3	48	44	51	25	11	-
6 Slots	30	-0.002	-	47	-0.4	-	-	-	-	-	-
	150	-0.044	21	233	-10.9	31	28	22	-	-	-
	210	-0.086	27	326	-21.4	37	34	32	-	-	-
	270	-0.142	31	419	-35.5	41	38	39	13	-	-
	390	-0.297	40	605	-74.0	47	44	50	24	-	-
7 Slots	35	-0.002	-	54	-0.4	-	-	-	-	-	-
	175	-0.044	22	272	-10.9	32	29	22	-	-	-
	245	-0.086	27	380	-21.4	37	35	32	-	-	-
	315	-0.142	32	489	-35.5	42	39	40	14	-	-
	455	-0.297	40	706	-74.0	48	44	50	24	-	-
8 Slots	40	-0.002	-	62	-0.4	-	-	-	-	-	-
	200	-0.044	22	310	-10.9	32	30	23	-	-	-
	280	-0.086	28	435	-21.4	38	35	33	-	-	-
	360	-0.142	32	559	-35.5	42	39	40	14	-	-
	520	-0.297	41	807	-74.0	48	45	51	25	11	-

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Correction	-2	0	+2	+3	+5

1900 Performance Data: Return

IP/METRIC DATA: 1900 RETURN, 1" SLOT WIDTH, CONTINUOUS SLOT

	IP Data			Metric Data							
	Air Flow	Press Ps	NC	Air Flow	Press Ps	Octave Band, dB					
	CFM/ft	"WG		L/s/m	Pa	2	3	4	5	6	7
1 Slot	5	-0.001	-	8	-0.3	-	-	-	-	-	-
	45	-0.091	22	70	-22.7	32	17	-	-	-	-
	65	-0.190	29	101	-47.3	39	23	21	-	-	-
	85	-0.325	33	132	-81.0	43	27	28	-	-	-
	125	-0.703	40	194	-175.1	50	33	40	12	-	-
2 Slots	10	-0.001	-	16	-0.3	-	-	-	-	-	-
	80	-0.072	24	124	-17.9	34	18	-	-	-	-
	115	-0.149	30	179	-37.0	40	24	20	-	-	-
	150	-0.253	34	233	-63.0	44	28	28	-	-	-
	220	-0.545	41	342	-135.6	51	34	39	12	-	-
3 Slots	15	-0.001	-	23	-0.3	-	-	-	-	-	-
	105	-0.055	23	163	-13.7	33	18	-	-	-	-
	150	-0.113	29	233	-28.0	39	23	18	-	-	-
	195	-0.190	33	303	-47.3	43	27	25	-	-	-
	285	-0.406	40	442	-101.1	50	34	36	-	-	-
4 Slots	20	-0.001	-	31	-0.3	-	-	-	-	-	-
	130	-0.048	23	202	-11.8	33	18	-	-	-	-
	185	-0.096	29	287	-24.0	39	23	17	-	-	-
	240	-0.162	33	373	-40.3	43	27	24	-	-	-
	350	-0.345	40	543	-85.8	50	33	35	-	-	-
5 Slots	25	-0.001	-	39	-0.3	-	-	-	-	-	-
	155	-0.043	23	241	-10.8	33	18	-	-	-	-
	220	-0.087	29	342	-21.7	39	23	16	-	-	-
	285	-0.146	33	442	-36.4	43	28	24	-	-	-
	415	-0.310	40	644	-77.2	50	34	35	-	-	-
6 Slots	30	-0.001	-	47	-0.3	-	-	-	-	-	-
	180	-0.041	23	279	-10.1	33	18	-	-	-	-
	255	-0.081	29	396	-20.2	39	24	16	-	-	-
	330	-0.136	34	512	-33.9	44	28	24	-	-	-
	480	-0.288	40	745	-71.7	50	34	35	-	-	-
7 Slots	35	-0.001	-	54	-0.3	-	-	-	-	-	-
	205	-0.039	24	318	-9.6	34	18	-	-	-	-
	290	-0.077	30	450	-19.2	40	24	16	-	-	-
	375	-0.129	34	582	-32.2	44	28	24	-	-	-
	545	-0.273	40	846	-67.9	50	34	34	-	-	-
8 Slots	40	-0.001	-	62	-0.3	-	-	-	-	-	-
	230	-0.037	24	357	-9.3	34	19	-	-	-	-
	325	-0.074	30	505	-18.5	40	24	16	-	-	-
	420	-0.124	34	652	-30.9	44	28	24	-	-	-
	610	-0.262	40	947	-65.1	50	34	34	-	-	-

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. Pressures are for diffuser section only. Plenums will add to the sound level and pressure drop. Keep inlet velocities below 800 FPM to reduce plenum generated sound levels and pressure drop. See selection software for performance data not shown, including octave band data.

NC Addition For Length					
Length, ft	2	4	6	8	10
Length, m	0.6	1.2	1.8	2.4	3.0
Correction	-2	0	+2	+3	+5

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 1-SLOT, 1/2" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular		Air	Pressures		Perpendicular							
	Linear	Flow	Ps	Pt	Throw	NC	Flow	Ps	Pt	Throw	Octave Band, dB						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1/2" Slot Width 6" Oval Inlet	2'	25	0.020	0.021	4 - 8 - 15	12	12	5.0	5.3	1.3 - 2.3 - 4.7	35	35	26	21	18	11
		45	0.065	0.069	9 - 14 - 23	26	21	16.2	17.1	2.8 - 4.2 - 6.9	41	44	38	36	36	30
		55	0.097	0.103	11 - 17 - 25	30	26	24.2	25.6	3.4 - 5.1 - 7.7	43	47	42	42	42	37
		75	0.181	0.191	15 - 21 - 29	38	35	45.1	47.6	4.7 - 6.3 - 8.9	46	52	49	50	51	46
		85	0.233	0.245	17 - 22 - 31	41	40	57.9	61.1	5.3 - 6.7 - 9.5	47	54	51	53	55	50
	4'	50	0.033	0.038	5 - 7 - 11	18	24	8.3	9.4	1.5 - 2.2 - 3.3	44	50	38	34	32	25
		80	0.086	0.097	8 - 10 - 14	29	38	21.3	24.2	2.4 - 3.0 - 4.2	49	58	48	47	47	40
		95	0.121	0.137	9 - 11 - 15	33	45	30.1	34.1	2.7 - 3.3 - 4.6	50	60	51	52	52	46
		125	0.209	0.237	10 - 12 - 17	39	59	52.0	59.0	3.1 - 3.7 - 5.3	53	65	57	59	60	54
		140	0.262	0.297	11 - 13 - 18	42	66	65.3	74.0	3.2 - 4.0 - 5.6	54	67	59	62	64	58
	5'	70	0.054	0.063	6 - 9 - 13	22	33	13.6	15.7	1.8 - 2.8 - 4.0	48	57	44	42	41	33
		100	0.111	0.129	9 - 11 - 16	31	47	27.7	32.1	2.6 - 3.3 - 4.7	52	63	52	51	52	44
		115	0.147	0.171	10 - 12 - 17	34	54	36.6	42.5	2.9 - 3.6 - 5.1	53	65	55	55	56	49
		145	0.234	0.271	11 - 13 - 19	39	68	58.2	67.5	3.3 - 4.0 - 5.7	55	69	59	61	63	56
		160	0.285	0.330	11 - 14 - 20	42	76	70.8	82.2	3.5 - 4.2 - 6.0	56	70	61	64	66	59
1/2" Slot Width 8" Oval Inlet	2'	30	0.031	0.032	6 - 9 - 18	12	14	7.7	7.9	1.8 - 2.8 - 5.6	31	27	21	16	13	-
		55	0.104	0.106	11 - 17 - 25	26	26	25.9	26.4	3.4 - 5.1 - 7.7	37	37	34	32	31	27
		68	0.157	0.160	14 - 20 - 28	31	32	39.0	39.8	4.2 - 6.0 - 8.5	39	40	38	37	38	34
		93	0.294	0.300	19 - 23 - 33	39	44	73.3	74.7	5.7 - 7.0 - 9.9	42	45	45	46	47	44
		105	0.379	0.387	20 - 25 - 35	42	50	94.4	96.3	6.1 - 7.5 - 10.6	43	47	47	49	51	48
	4'	50	0.022	0.024	5 - 7 - 11	14	24	5.5	6.0	1.5 - 2.2 - 3.3	38	39	30	25	22	16
		90	0.072	0.078	9 - 10 - 15	27	42	17.9	19.3	2.6 - 3.2 - 4.5	44	49	42	41	40	34
		110	0.107	0.116	9 - 12 - 16	32	52	26.8	28.8	2.9 - 3.5 - 5.0	46	52	46	46	46	41
		150	0.200	0.215	11 - 13 - 19	40	71	49.7	53.6	3.3 - 4.1 - 5.8	49	57	52	54	56	51
		170	0.257	0.277	12 - 14 - 20	42	80	63.9	68.9	3.6 - 4.4 - 6.2	50	59	55	57	60	55
	5'	70	0.033	0.036	6 - 9 - 13	18	33	8.2	9.0	1.8 - 2.8 - 4.0	42	46	36	32	30	24
		110	0.081	0.089	9 - 12 - 16	29	52	20.2	22.2	2.9 - 3.5 - 5.0	46	54	45	44	44	38
		130	0.113	0.125	10 - 13 - 18	33	61	28.2	31.1	3.1 - 3.8 - 5.4	48	56	49	49	49	43
		170	0.193	0.213	12 - 14 - 20	39	80	48.1	53.1	3.6 - 4.4 - 6.2	51	61	54	56	58	52
		190	0.242	0.266	12 - 15 - 21	42	90	60.1	66.3	3.8 - 4.6 - 6.5	52	62	57	59	61	56
1/2" Slot Width 10" Oval Inlet	2'	30	0.044	0.044	6 - 9 - 18	-	14	11.0	11.1	1.8 - 2.8 - 5.6	27	20	16	-	-	-
		60	0.176	0.178	12 - 18 - 26	26	28	43.9	44.3	3.7 - 5.6 - 8.0	33	31	30	28	27	24
		75	0.276	0.278	15 - 21 - 29	31	35	68.6	69.2	4.7 - 6.3 - 8.9	36	35	35	34	34	31
		105	0.540	0.544	20 - 25 - 35	39	50	134.6	135.5	6.1 - 7.5 - 10.6	39	40	42	43	44	42
		120	0.706	0.711	21 - 26 - 37	42	57	175.7	177.0	6.5 - 8.0 - 11.3	40	42	44	46	48	46
	4'	50	0.020	0.021	5 - 7 - 11	-	24	4.9	5.1	1.5 - 2.2 - 3.3	34	32	24	18	15	-
		95	0.071	0.074	9 - 11 - 15	26	45	17.7	18.5	2.7 - 3.3 - 4.6	40	43	37	36	35	30
		118	0.109	0.114	10 - 12 - 17	31	55	27.1	28.3	3.0 - 3.6 - 5.1	42	46	42	41	41	37
		163	0.208	0.217	11 - 14 - 20	39	77	51.7	54.1	3.5 - 4.3 - 6.0	45	51	48	50	51	47
		185	0.269	0.282	12 - 15 - 21	42	87	67.1	70.2	3.7 - 4.5 - 6.4	47	53	51	53	55	51
	5'	70	0.026	0.028	6 - 9 - 13	15	33	6.6	7.0	1.8 - 2.8 - 4.0	38	39	30	26	24	17
		120	0.078	0.083	10 - 12 - 17	28	57	19.3	20.6	3.0 - 3.7 - 5.2	43	48	41	40	40	35
		145	0.113	0.121	11 - 13 - 19	33	68	28.2	30.1	3.3 - 4.0 - 5.7	45	51	45	45	46	41
		195	0.205	0.219	13 - 15 - 22	40	92	51.0	54.5	3.8 - 4.7 - 6.6	48	56	51	53	55	50
		220	0.261	0.278	13 - 16 - 23	42	104	65.0	69.3	4.0 - 5.0 - 7.0	49	58	54	56	58	54
1/2" Slot Width 12" Oval Inlet	4'	75	0.053	0.054	7 - 10 - 13	16	35	13.3	13.5	2.2 - 2.9 - 4.1	31	28	24	19	17	13
		125	0.148	0.151	10 - 12 - 17	28	59	37.0	37.5	3.1 - 3.7 - 5.3	36	36	34	33	33	29
		150	0.214	0.217	11 - 13 - 19	33	71	53.2	54.0	3.3 - 4.1 - 5.8	38	39	38	38	38	35
		200	0.380	0.385	13 - 16 - 22	39	94	94.6	95.9	3.9 - 4.7 - 6.7	41	44	44	45	47	44
		225	0.481	0.488	13 - 17 - 23	42	106	119.7	121.4	4.1 - 5.0 - 7.1	42	46	46	48	51	48
	5'	80	0.033	0.034	7 - 10 - 14	14	38	8.3	8.5	2.1 - 3.0 - 4.2	33	30	24	20	17	12
		140	0.102	0.105	11 - 13 - 18	28	66	25.5	26.1	3.2 - 4.0 - 5.6	38	39	36	34	34	30
		170	0.151	0.155	12 - 14 - 20	32	80	37.6	38.5	3.6 - 4.4 - 6.2	40	42	40	40	40	36
		230	0.276	0.283	14 - 17 - 24	39	109	68.7	70.5	4.1 - 5.1 - 7.2	43	47	46	48	49	46
		260	0.353	0.362	14 - 18 - 25	42	123	87.8	90.1	4.4 - 5.4 - 7.6	44	49	49	51	53	50

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 2-SLOT, 1/2" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1/2" Slot Width 6" Oval Inlet	2'	30	0.012	0.014	2 - 5 - 13	-	14	3.0	3.4	0.6 - 1.4 - 4.0	39	42	27	21	17	-
		70	0.066	0.074	10 - 15 - 28	19	33	16.3	18.5	3.1 - 4.6 - 8.6	47	55	45	43	43	36
		90	0.108	0.123	13 - 20 - 32	26	42	27.0	30.6	4.0 - 6.0 - 9.8	50	60	50	50	50	44
		130	0.226	0.256	19 - 27 - 39	36	61	56.3	63.8	5.7 - 8.3 - 11.8	53	65	58	60	62	56
		150	0.301	0.341	22 - 29 - 42	40	71	74.9	84.9	6.6 - 8.9 - 12.6	55	68	61	64	66	60
	4'	60	0.030	0.036	3 - 6 - 12	-	28	7.5	9.1	0.9 - 1.9 - 3.7	48	57	40	35	32	22
		110	0.101	0.123	8 - 11 - 16	21	52	25.1	30.5	2.3 - 3.4 - 5.0	54	67	52	51	50	42
		135	0.152	0.185	9 - 13 - 18	27	64	37.8	46.0	2.8 - 3.9 - 5.5	56	70	56	56	56	48
		185	0.285	0.347	12 - 15 - 21	35	87	71.1	86.3	3.7 - 4.5 - 6.4	59	75	63	65	66	58
		210	0.368	0.447	13 - 16 - 23	39	99	91.6	111.2	4.0 - 4.8 - 6.9	60	77	65	68	70	62
	5'	80	0.048	0.060	4 - 7 - 14	-	38	12.0	14.9	1.1 - 2.2 - 4.2	51	63	45	41	38	29
		140	0.148	0.183	9 - 13 - 18	24	66	36.9	45.6	2.6 - 3.9 - 5.6	57	72	56	56	55	47
		170	0.218	0.270	10 - 14 - 20	30	80	54.4	67.2	3.2 - 4.4 - 6.2	59	75	60	61	61	53
		230	0.400	0.494	14 - 17 - 24	38	109	99.5	123.1	4.1 - 5.1 - 7.2	62	80	67	69	71	63
		260	0.511	0.632	14 - 18 - 25	41	123	127.2	157.3	4.4 - 5.4 - 7.6	63	82	69	72	74	66
1/2" Slot Width 8" Oval Inlet	2'	40	0.014	0.015	4 - 8 - 17	-	19	3.5	3.8	1.1 - 2.6 - 5.3	36	36	25	19	15	-
		85	0.064	0.069	12 - 19 - 31	19	40	16.0	17.2	3.8 - 5.6 - 9.5	43	48	41	39	38	33
		108	0.103	0.111	16 - 23 - 35	25	51	25.5	27.5	4.7 - 7.1 - 10.7	45	52	45	45	46	40
		153	0.206	0.223	22 - 30 - 42	35	72	51.4	55.4	6.7 - 9.0 - 12.7	49	57	53	55	56	51
		175	0.272	0.293	25 - 32 - 45	39	83	67.7	73.0	7.7 - 9.7 - 13.6	50	60	56	58	60	56
	4'	80	0.028	0.032	5 - 8 - 14	-	38	6.9	8.0	1.6 - 2.5 - 4.2	45	51	37	33	30	22
		140	0.084	0.098	10 - 13 - 18	22	66	21.0	24.4	2.9 - 4.0 - 5.6	50	60	49	48	47	40
		170	0.125	0.144	12 - 14 - 20	27	80	31.0	36.0	3.5 - 4.4 - 6.2	52	63	53	53	53	46
		230	0.228	0.264	14 - 17 - 24	36	109	56.7	65.8	4.1 - 5.1 - 7.2	55	68	59	61	62	56
		260	0.291	0.338	14 - 18 - 25	39	123	72.5	84.1	4.4 - 5.4 - 7.6	56	70	62	64	66	60
	5'	100	0.037	0.044	6 - 9 - 16	-	47	9.2	10.9	1.8 - 2.8 - 4.7	48	56	41	37	35	27
		170	0.107	0.127	10 - 14 - 20	24	80	26.6	31.6	3.2 - 4.4 - 6.2	53	65	52	52	51	44
		205	0.155	0.184	13 - 16 - 22	29	97	38.7	45.9	3.8 - 4.8 - 6.8	55	68	56	56	57	49
		275	0.280	0.332	15 - 18 - 26	37	130	69.7	82.6	4.5 - 5.5 - 7.8	58	73	62	64	66	59
		310	0.355	0.422	16 - 19 - 27	40	146	88.5	105.0	4.8 - 5.9 - 8.3	59	74	64	68	69	63
1/2" Slot Width 10" Oval Inlet	2'	60	0.028	0.030	8 - 13 - 26	-	28	7.1	7.4	2.6 - 4.0 - 7.9	36	35	28	23	21	15
		110	0.095	0.100	16 - 24 - 36	22	52	23.7	24.8	4.9 - 7.3 - 10.8	41	45	40	39	39	35
		135	0.143	0.150	20 - 28 - 39	28	64	35.7	37.4	6.0 - 8.5 - 12.0	44	48	45	45	46	41
		185	0.269	0.282	27 - 33 - 46	36	87	67.1	70.2	8.1 - 9.9 - 14.0	47	53	51	53	55	51
		210	0.347	0.363	28 - 35 - 49	40	99	86.4	90.4	8.6 - 10.6 - 15.0	48	55	54	57	59	55
	4'	120	0.043	0.048	8 - 12 - 17	14	57	10.8	12.1	2.5 - 3.7 - 5.2	44	51	40	37	36	29
		180	0.097	0.109	12 - 15 - 21	25	85	24.2	27.1	3.7 - 4.5 - 6.3	48	57	48	48	48	42
		210	0.132	0.148	13 - 16 - 23	29	99	32.9	36.9	4.0 - 4.8 - 6.9	50	60	52	52	53	47
		270	0.219	0.245	15 - 18 - 26	36	127	54.4	61.0	4.5 - 5.5 - 7.8	52	64	57	59	60	55
		300	0.270	0.303	16 - 19 - 27	39	142	67.2	75.3	4.7 - 5.8 - 8.2	54	65	59	62	64	58
	5'	140	0.048	0.055	9 - 13 - 18	14	66	11.9	13.7	2.6 - 3.9 - 5.6	47	55	42	40	38	31
		210	0.108	0.124	13 - 16 - 23	26	99	26.9	30.9	3.9 - 4.8 - 6.9	51	61	51	51	51	44
		245	0.147	0.169	14 - 17 - 24	30	116	36.6	42.0	4.3 - 5.2 - 7.4	52	64	54	55	55	49
		315	0.243	0.279	16 - 20 - 28	37	149	60.5	69.4	4.8 - 5.9 - 8.4	55	68	59	61	63	57
		350	0.300	0.344	17 - 21 - 29	40	165	74.7	85.7	5.1 - 6.3 - 8.8	56	69	61	64	66	60
1/2" Slot Width 12" Oval Inlet	4'	140	0.041	0.043	10 - 13 - 18	12	66	10.2	10.8	2.9 - 4.0 - 5.6	40	42	34	31	30	24
		220	0.101	0.107	13 - 16 - 23	24	104	25.1	26.7	4.0 - 5.0 - 7.0	44	49	44	43	44	38
		260	0.141	0.150	14 - 18 - 25	29	123	35.1	37.3	4.4 - 5.4 - 7.6	46	52	47	48	49	44
		340	0.241	0.256	17 - 20 - 29	36	160	59.9	63.8	5.0 - 6.2 - 8.7	48	56	53	55	57	52
		380	0.301	0.320	18 - 21 - 30	39	179	74.9	79.7	5.3 - 6.5 - 9.2	49	58	55	58	60	56
	5'	150	0.034	0.037	9 - 13 - 19	-	71	8.5	9.3	2.8 - 4.1 - 5.8	41	45	35	32	30	23
		240	0.087	0.095	14 - 17 - 24	23	113	21.8	23.7	4.2 - 5.2 - 7.3	46	52	45	44	44	38
		285	0.123	0.134	15 - 19 - 26	28	135	30.7	33.4	4.6 - 5.6 - 8.0	47	55	48	49	50	44
		375	0.213	0.232	17 - 21 - 30	36	177	53.2	57.9	5.3 - 6.5 - 9.2	50	59	54	56	58	53
		420	0.268	0.292	18 - 23 - 32	39	198	66.7	72.6	5.6 - 6.9 - 9.7	51	61	56	59	61	56

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 3-SLOT, 1/2" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular		Air	Pressures		Perpendicular							
	Linear	Flow	Ps	Pt	Throw	NC	Flow	Ps	Pt	Throw	Octave Band, dB						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1/2" Slot Width 6" Oval Inlet	2'	60	0.035	0.042	5 - 10 - 21	-	28	8.8	10.4	1.4 - 3.1 - 6.5	47	55	40	37	34	26
		100	0.098	0.116	12 - 18 - 34	23	47	24.4	28.8	3.6 - 5.4 - 10.3	52	64	51	50	50	42
		120	0.141	0.167	14 - 21 - 37	28	57	35.1	41.5	4.3 - 6.5 - 11.3	54	67	55	55	55	48
		160	0.251	0.297	19 - 28 - 43	36	76	62.5	73.8	5.8 - 8.6 - 13.1	57	71	61	63	64	57
		180	0.317	0.375	21 - 32 - 46	39	85	79.0	93.5	6.5 - 9.7 - 13.8	58	73	63	66	68	61
	4'	120	0.102	0.127	6 - 10 - 17	17	57	25.3	31.7	2.0 - 3.1 - 5.2	56	71	53	51	49	40
		170	0.204	0.256	9 - 14 - 20	27	80	50.8	63.7	2.9 - 4.3 - 6.2	59	76	60	60	60	51
		195	0.269	0.337	11 - 15 - 22	31	92	66.9	83.8	3.3 - 4.7 - 6.6	61	79	63	64	64	55
		245	0.424	0.531	14 - 17 - 24	37	116	105.6	132.3	4.2 - 5.2 - 7.4	63	82	67	70	71	62
		270	0.515	0.645	15 - 18 - 26	40	127	128.3	160.7	4.5 - 5.5 - 7.8	64	84	69	72	74	65
	5'	140	0.129	0.164	6 - 10 - 18	18	66	32.2	40.9	1.9 - 3.2 - 5.6	58	75	55	53	52	42
		200	0.264	0.336	10 - 15 - 22	28	94	65.8	83.6	3.0 - 4.6 - 6.7	62	80	62	63	63	53
		230	0.349	0.444	11 - 17 - 24	32	109	87.0	110.5	3.5 - 5.1 - 7.2	63	83	65	67	67	58
		290	0.555	0.706	14 - 19 - 26	38	137	138.3	175.7	4.4 - 5.7 - 8.1	65	86	70	73	74	65
		320	0.676	0.859	16 - 20 - 28	41	151	168.3	213.9	4.9 - 6.0 - 8.5	66	88	72	75	77	68
1/2" Slot Width 8" Oval Inlet	2'	70	0.027	0.030	6 - 12 - 25	-	33	6.7	7.6	1.9 - 3.8 - 7.6	42	47	35	31	29	21
		120	0.079	0.089	14 - 21 - 37	22	57	19.8	22.3	4.3 - 6.5 - 11.3	48	56	46	46	45	39
		145	0.116	0.130	17 - 26 - 41	27	68	28.9	32.5	5.2 - 7.8 - 12.4	50	59	50	51	51	45
		195	0.210	0.236	23 - 34 - 47	35	92	52.2	58.8	7.0 - 10.2 - 14.4	53	64	57	58	60	54
		220	0.267	0.300	26 - 36 - 50	39	104	66.5	74.8	7.9 - 10.8 - 15.3	54	66	59	62	64	58
	4'	140	0.065	0.079	8 - 12 - 18	16	66	16.3	19.6	2.4 - 3.6 - 5.6	51	63	47	45	44	35
		210	0.147	0.177	12 - 16 - 23	27	99	36.6	44.2	3.6 - 4.8 - 6.9	55	69	56	56	56	48
		245	0.200	0.242	14 - 17 - 24	31	116	49.8	60.2	4.2 - 5.2 - 7.4	57	72	59	60	61	53
		315	0.331	0.399	16 - 20 - 28	38	149	82.4	99.4	4.8 - 5.9 - 8.4	59	76	64	67	68	61
		350	0.409	0.493	17 - 21 - 29	41	165	101.7	122.8	5.1 - 6.3 - 8.8	60	78	66	70	72	64
	5'	150	0.068	0.083	7 - 11 - 19	14	71	16.8	20.7	2.2 - 3.4 - 5.8	53	65	48	46	44	35
		230	0.159	0.195	11 - 17 - 24	26	109	39.5	48.6	3.5 - 5.1 - 7.2	57	72	57	57	57	48
		270	0.219	0.269	13 - 18 - 26	30	127	54.5	67.0	4.1 - 5.5 - 7.8	59	75	60	61	62	53
		350	0.368	0.452	17 - 21 - 29	37	165	91.5	112.6	5.1 - 6.3 - 8.8	61	79	66	68	69	62
		390	0.456	0.561	18 - 22 - 31	40	184	113.7	139.8	5.4 - 6.6 - 9.3	62	81	68	71	73	65
1/2" Slot Width 10" Oval Inlet	2'	80	0.027	0.029	8 - 14 - 28	-	38	6.6	7.2	2.5 - 4.3 - 8.6	40	42	32	28	26	19
		140	0.082	0.089	17 - 25 - 40	22	66	20.3	22.1	5.0 - 7.6 - 12.2	45	51	44	43	43	37
		170	0.120	0.131	20 - 30 - 44	28	80	30.0	32.6	6.1 - 9.2 - 13.5	47	55	48	48	49	43
		230	0.221	0.240	27 - 36 - 51	36	109	54.9	59.7	8.3 - 11.1 - 15.6	50	59	54	56	58	53
		260	0.282	0.306	31 - 39 - 55	39	123	70.2	76.3	9.4 - 11.8 - 16.6	51	61	57	60	62	57
	4'	160	0.055	0.064	9 - 13 - 20	15	76	13.6	15.9	2.7 - 4.1 - 6.0	49	58	45	42	41	33
		240	0.123	0.144	13 - 17 - 24	27	113	30.6	35.8	4.1 - 5.2 - 7.3	53	64	53	53	53	46
		280	0.167	0.196	15 - 18 - 26	31	132	41.6	48.7	4.6 - 5.6 - 7.9	54	67	56	57	58	51
		360	0.276	0.323	17 - 21 - 30	38	170	68.8	80.5	5.2 - 6.3 - 9.0	57	71	61	64	66	59
		400	0.341	0.399	18 - 22 - 31	41	189	84.9	99.4	5.5 - 6.7 - 9.5	58	73	64	67	69	62
	5'	180	0.060	0.072	9 - 13 - 21	15	85	14.9	17.9	2.7 - 4.1 - 6.3	50	61	46	44	42	34
		260	0.125	0.150	13 - 18 - 25	25	123	31.2	37.3	3.9 - 5.4 - 7.6	54	67	54	54	54	46
		300	0.167	0.199	15 - 19 - 27	29	142	41.5	49.6	4.6 - 5.8 - 8.2	55	69	57	58	58	50
		380	0.267	0.320	18 - 21 - 30	36	179	66.5	79.6	5.3 - 6.5 - 9.2	58	73	62	64	65	58
		420	0.326	0.390	18 - 23 - 32	39	198	81.3	97.2	5.6 - 6.9 - 9.7	59	75	64	66	68	61
1/2" Slot Width 12" Oval Inlet	4'	170	0.035	0.039	9 - 14 - 20	-	80	8.8	9.8	2.9 - 4.3 - 6.2	43	48	37	34	32	25
		280	0.096	0.107	15 - 18 - 26	25	132	23.9	26.5	4.6 - 5.6 - 7.9	48	56	48	47	47	41
		335	0.137	0.153	16 - 20 - 28	30	158	34.2	38.0	5.0 - 6.1 - 8.7	49	59	51	52	53	47
		445	0.242	0.269	19 - 23 - 33	38	210	60.4	67.0	5.8 - 7.1 - 10.0	52	63	57	60	61	56
		500	0.306	0.340	20 - 25 - 35	41	236	76.2	84.6	6.1 - 7.5 - 10.6	53	65	59	63	65	60
	5'	200	0.039	0.045	10 - 15 - 22	12	94	9.8	11.1	3.0 - 4.6 - 6.7	45	52	40	37	35	28
		320	0.101	0.114	16 - 20 - 28	25	151	25.0	28.5	4.9 - 6.0 - 8.5	50	59	50	49	49	43
		380	0.142	0.161	18 - 21 - 30	30	179	35.3	40.2	5.3 - 6.5 - 9.2	51	62	53	54	55	48
		500	0.246	0.279	20 - 25 - 35	37	236	61.2	69.5	6.1 - 7.5 - 10.6	54	67	59	61	63	57
		560	0.308	0.350	21 - 26 - 37	40	264	76.7	87.2	6.5 - 7.9 - 11.2	55	68	61	64	66	61

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 4-SLOT, 1/2" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1/2" Slot Width 6" Oval Inlet	2'	100	0.083	0.101	8 - 15 - 31	18	47	20.8	25.2	2.5 - 4.7 - 9.4	53	65	50	48	47	39
		140	0.163	0.198	14 - 22 - 40	28	66	40.7	49.4	4.4 - 6.6 - 12.2	56	71	57	57	57	49
		160	0.214	0.259	16 - 25 - 43	31	76	53.2	64.6	5.0 - 7.5 - 13.1	58	73	60	61	62	54
		200	0.334	0.405	21 - 31 - 48	38	94	83.1	100.9	6.2 - 9.4 - 14.6	60	77	64	67	68	61
		220	0.404	0.490	23 - 34 - 50	40	104	100.5	122.1	6.9 - 10.3 - 15.3	61	78	66	69	71	64
	4'	150	0.146	0.186	7 - 11 - 19	19	71	36.4	46.4	2.0 - 3.3 - 5.8	59	76	56	55	53	43
		210	0.286	0.365	10 - 15 - 23	28	99	71.3	90.9	3.1 - 4.6 - 6.9	62	82	63	64	64	54
		240	0.374	0.477	12 - 17 - 24	32	113	93.1	118.7	3.5 - 5.2 - 7.3	64	84	66	67	68	58
		300	0.584	0.745	15 - 19 - 27	38	142	145.4	185.5	4.4 - 5.8 - 8.2	66	87	71	73	74	65
		330	0.707	0.901	16 - 20 - 28	41	156	176.0	224.4	4.9 - 6.1 - 8.6	67	89	73	76	77	68
	5'	180	0.200	0.258	7 - 12 - 21	21	85	49.7	64.1	2.1 - 3.6 - 6.3	62	81	59	58	57	46
		250	0.385	0.497	11 - 16 - 25	30	118	95.9	123.7	3.3 - 4.9 - 7.5	65	86	66	67	67	57
		285	0.501	0.646	12 - 18 - 26	33	135	124.6	160.8	3.7 - 5.6 - 8.0	66	88	69	70	71	61
		355	0.777	1.002	15 - 21 - 29	39	168	193.4	249.5	4.7 - 6.3 - 8.9	68	91	73	76	77	68
		390	0.937	1.209	17 - 22 - 31	42	184	233.4	301.1	5.1 - 6.6 - 9.3	69	93	75	79	80	71
1/2" Slot Width 8" Oval Inlet	2'	120	0.062	0.072	12 - 18 - 37	18	57	15.4	17.9	3.6 - 5.6 - 11.2	49	58	46	44	43	35
		170	0.125	0.144	17 - 26 - 44	27	80	31.0	36.0	5.3 - 8.0 - 13.5	52	63	53	53	53	46
		195	0.164	0.190	20 - 30 - 47	31	92	40.8	47.3	6.1 - 9.1 - 14.4	53	66	56	57	57	51
		245	0.259	0.300	25 - 38 - 53	37	116	64.4	74.7	7.6 - 11.4 - 16.2	56	69	60	63	64	58
		270	0.314	0.364	28 - 39 - 56	40	127	78.2	90.7	8.4 - 12.0 - 17.0	57	71	62	65	67	61
	4'	200	0.117	0.144	10 - 15 - 22	21	94	29.1	36.0	2.9 - 4.4 - 6.7	56	70	54	53	52	43
		270	0.213	0.263	13 - 18 - 26	29	127	53.0	65.6	4.0 - 5.5 - 7.8	59	75	60	61	61	53
		305	0.272	0.336	15 - 19 - 27	33	144	67.7	83.7	4.5 - 5.8 - 8.3	60	77	63	64	65	56
		375	0.411	0.508	17 - 21 - 30	38	177	102.3	126.5	5.3 - 6.5 - 9.2	62	80	67	70	71	63
		410	0.491	0.607	18 - 22 - 31	41	193	122.3	151.2	5.5 - 6.8 - 9.6	63	82	69	72	74	66
	5'	220	0.130	0.164	10 - 14 - 23	20	104	32.5	40.8	2.9 - 4.3 - 7.0	57	73	55	54	53	43
		300	0.243	0.305	13 - 19 - 27	29	142	60.4	75.8	3.9 - 5.8 - 8.2	61	78	62	62	62	53
		340	0.312	0.391	15 - 20 - 29	32	160	77.6	97.4	4.5 - 6.2 - 8.7	62	80	64	65	66	57
		420	0.475	0.597	18 - 23 - 32	38	198	118.4	148.7	5.5 - 6.9 - 9.7	64	84	69	71	72	64
		460	0.570	0.716	19 - 24 - 33	41	217	142.0	178.3	5.9 - 7.2 - 10.1	65	85	70	74	75	67
1/2" Slot Width 10" Oval Inlet	2'	130	0.051	0.057	13 - 20 - 39	16	61	12.6	14.1	4.1 - 6.1 - 11.8	45	52	42	39	38	31
		190	0.108	0.121	20 - 29 - 47	26	90	27.0	30.2	5.9 - 8.9 - 14.2	49	58	49	49	50	43
		220	0.145	0.163	23 - 34 - 50	30	104	36.1	40.5	6.9 - 10.3 - 15.3	50	60	52	53	54	48
		280	0.235	0.264	29 - 40 - 57	37	132	58.6	65.6	8.7 - 12.2 - 17.3	53	64	57	60	62	56
		310	0.288	0.323	32 - 42 - 60	40	146	71.8	80.4	9.7 - 12.8 - 18.2	54	66	60	62	65	59
	4'	200	0.071	0.086	10 - 15 - 22	17	94	17.8	21.4	2.9 - 4.4 - 6.7	52	63	48	46	45	37
		280	0.140	0.168	14 - 18 - 26	26	132	34.9	41.9	4.1 - 5.6 - 7.9	55	69	55	55	55	47
		320	0.183	0.220	15 - 20 - 28	30	151	45.5	54.8	4.7 - 6.0 - 8.5	56	71	58	59	59	52
		400	0.286	0.344	18 - 22 - 31	36	189	71.1	85.6	5.5 - 6.7 - 9.5	58	74	63	65	66	59
		440	0.346	0.416	19 - 23 - 33	39	208	86.1	103.6	5.7 - 7.0 - 9.9	59	76	65	67	69	62
	5'	220	0.078	0.095	10 - 14 - 23	16	104	19.3	23.7	2.9 - 4.3 - 7.0	53	66	50	47	46	37
		320	0.164	0.201	14 - 20 - 28	27	151	40.8	50.1	4.2 - 6.0 - 8.5	57	72	57	57	57	49
		370	0.219	0.269	16 - 21 - 30	31	175	54.6	67.0	4.9 - 6.4 - 9.1	58	74	60	61	62	54
		470	0.354	0.434	19 - 24 - 34	37	222	88.1	108.0	5.9 - 7.2 - 10.3	61	78	65	68	69	61
		520	0.433	0.531	20 - 25 - 35	40	245	107.8	132.3	6.2 - 7.6 - 10.8	62	80	67	70	72	64
1/2" Slot Width 12" Oval Inlet	4'	220	0.045	0.051	11 - 16 - 23	14	104	11.2	12.8	3.2 - 4.9 - 7.0	46	54	42	39	37	30
		330	0.101	0.116	16 - 20 - 28	25	156	25.2	28.8	4.9 - 6.1 - 8.6	50	60	50	50	50	43
		385	0.138	0.158	18 - 22 - 31	29	182	34.3	39.3	5.4 - 6.6 - 9.3	52	63	53	54	54	48
		495	0.228	0.261	20 - 24 - 35	36	234	56.7	64.9	6.1 - 7.4 - 10.5	54	67	58	60	62	56
		550	0.281	0.322	21 - 26 - 36	39	260	70.0	80.1	6.4 - 7.8 - 11.1	55	68	61	63	65	59
	5'	250	0.049	0.057	11 - 16 - 25	14	118	12.2	14.3	3.3 - 4.9 - 7.5	48	57	44	41	39	31
		380	0.113	0.133	16 - 21 - 30	25	179	28.2	33.0	5.0 - 6.5 - 9.2	52	64	52	52	52	45
		445	0.155	0.182	19 - 23 - 33	30	210	38.6	45.3	5.8 - 7.1 - 10.0	54	66	55	56	57	50
		575	0.259	0.304	22 - 26 - 37	37	271	64.5	75.6	6.5 - 8.0 - 11.3	56	71	61	63	65	58
		640	0.321	0.376	23 - 28 - 39	40	302	79.9	93.7	6.9 - 8.5 - 12.0	57	72	63	66	68	61

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 1-SLOT, 3/4" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
3/4" Slot Width 6" Oval Inlet	2'	20	0.011	0.011	1 - 3 - 10	-	9	2.7	2.9	0.4 - 1.0 - 3.1	33	24	19	-	-	-
		50	0.067	0.072	8 - 13 - 24	23	24	16.7	17.8	2.5 - 3.8 - 7.3	46	44	43	31	28	18
		65	0.113	0.121	11 - 16 - 27	29	31	28.2	30.1	3.3 - 5.0 - 8.3	50	50	50	38	35	28
		95	0.242	0.258	16 - 23 - 33	38	45	60.3	64.3	4.8 - 7.1 - 10.1	55	58	60	49	47	44
		110	0.325	0.346	18 - 25 - 36	42	52	80.9	86.3	5.6 - 7.7 - 10.8	57	62	64	52	51	51
	4'	40	0.011	0.014	2 - 5 - 9	-	19	2.8	3.5	0.6 - 1.4 - 2.9	33	24	-	-	-	-
		85	0.051	0.064	7 - 10 - 14	25	40	12.8	16.0	2.0 - 3.1 - 4.4	44	41	29	27	23	11
		108	0.082	0.103	8 - 11 - 16	31	51	20.5	25.6	2.6 - 3.5 - 4.9	47	46	35	33	30	21
		153	0.165	0.207	11 - 14 - 19	39	72	41.2	51.5	3.4 - 4.1 - 5.8	52	54	44	43	40	35
		175	0.218	0.273	12 - 15 - 21	42	83	54.2	67.9	3.6 - 4.4 - 6.3	54	57	48	46	44	41
	5'	50	0.013	0.018	2 - 5 - 11	-	24	3.3	4.4	0.7 - 1.6 - 3.2	33	24	-	-	-	-
		100	0.053	0.070	7 - 11 - 16	26	47	13.1	17.5	2.1 - 3.2 - 4.7	43	39	24	26	21	-
		125	0.082	0.110	9 - 12 - 17	31	59	20.5	27.4	2.7 - 3.7 - 5.3	46	44	30	31	28	18
		175	0.161	0.216	12 - 15 - 21	39	83	40.1	53.7	3.6 - 4.4 - 6.3	51	52	39	40	38	32
		200	0.210	0.282	13 - 16 - 22	42	94	52.4	70.2	3.9 - 4.7 - 6.7	53	55	43	44	42	37
3/4" Slot Width 8" Oval Inlet	2'	30	0.041	0.041	3 - 7 - 15	-	14	10.1	10.3	1.0 - 2.2 - 4.6	39	33	36	18	12	-
		60	0.163	0.165	10 - 15 - 26	23	28	40.6	41.2	3.1 - 4.6 - 8.0	49	48	54	36	33	25
		75	0.255	0.258	13 - 19 - 29	29	35	63.4	64.4	3.8 - 5.7 - 8.9	52	53	60	42	40	34
		105	0.499	0.507	18 - 25 - 35	37	50	124.3	126.2	5.3 - 7.5 - 10.6	56	61	69	51	50	49
		120	0.652	0.662	20 - 26 - 37	40	57	162.3	164.8	6.1 - 8.0 - 11.3	58	64	73	55	54	54
	4'	70	0.031	0.034	6 - 8 - 13	17	33	7.7	8.5	1.7 - 2.5 - 4.0	41	36	31	22	17	-
		110	0.076	0.085	9 - 12 - 16	27	52	19.0	21.1	2.6 - 3.5 - 5.0	47	46	42	34	30	21
		130	0.107	0.118	10 - 13 - 18	31	61	26.6	29.5	3.1 - 3.8 - 5.4	50	50	47	38	35	28
		170	0.182	0.202	12 - 14 - 20	38	80	45.4	50.4	3.6 - 4.4 - 6.2	53	56	54	46	44	40
		190	0.228	0.253	12 - 15 - 21	40	90	56.8	62.9	3.8 - 4.6 - 6.5	55	58	57	49	47	44
	5'	90	0.033	0.039	6 - 10 - 15	19	42	8.3	9.7	1.9 - 2.9 - 4.5	41	37	28	23	18	-
		140	0.081	0.094	10 - 13 - 18	30	66	20.1	23.5	3.0 - 4.0 - 5.6	48	47	40	34	31	22
		165	0.112	0.131	12 - 14 - 20	33	78	27.9	32.6	3.5 - 4.3 - 6.1	50	50	44	39	36	29
		215	0.190	0.222	13 - 16 - 23	40	101	47.4	55.3	4.0 - 4.9 - 6.9	54	56	51	46	44	40
		240	0.237	0.277	14 - 17 - 24	42	113	59.1	68.9	4.2 - 5.2 - 7.3	55	59	54	49	47	45
3/4" Slot Width 10" Oval Inlet	2'	40	0.160	0.161	6 - 10 - 20	11	19	39.9	40.1	1.7 - 3.1 - 6.1	43	39	48	26	21	-
		80	0.641	0.644	13 - 20 - 30	28	38	159.7	160.2	4.1 - 6.1 - 9.2	53	55	66	44	42	37
		100	1.002	1.005	17 - 24 - 34	33	47	249.5	250.4	5.1 - 7.3 - 10.3	56	60	72	50	48	47
		140	1.964	1.971	23 - 28 - 40	41	66	488.9	490.7	7.0 - 8.6 - 12.2	60	67	81	59	59	61
		160	2.565	2.574	25 - 30 - 43	44	76	638.6	640.9	7.5 - 9.2 - 13.1	62	70	85	62	63	66
	4'	80	0.046	0.048	6 - 9 - 14	17	38	11.4	12.0	1.9 - 2.9 - 4.2	43	39	39	26	21	-
		130	0.121	0.127	10 - 13 - 18	29	61	30.1	31.6	3.1 - 3.8 - 5.4	50	50	51	38	35	28
		155	0.172	0.180	11 - 14 - 19	33	73	42.8	44.9	3.4 - 4.2 - 5.9	52	54	56	43	41	36
		205	0.300	0.316	13 - 16 - 22	39	97	74.8	78.6	3.9 - 4.8 - 6.8	56	60	63	51	49	48
		230	0.378	0.397	14 - 17 - 24	42	109	94.2	99.0	4.1 - 5.1 - 7.2	58	63	66	54	53	52
	5'	90	0.033	0.036	6 - 10 - 15	16	42	8.3	9.0	1.9 - 2.9 - 4.5	41	37	33	23	18	-
		150	0.092	0.101	11 - 13 - 19	28	71	23.0	25.1	3.2 - 4.1 - 5.8	49	48	46	36	33	25
		180	0.133	0.145	12 - 15 - 21	33	85	33.2	36.1	3.7 - 4.5 - 6.3	51	52	51	41	39	33
		240	0.237	0.258	14 - 17 - 24	40	113	58.9	64.1	4.2 - 5.2 - 7.3	55	59	58	49	47	45
		270	0.300	0.326	15 - 18 - 26	42	127	74.6	81.2	4.5 - 5.5 - 7.8	57	61	61	52	51	50
3/4" Slot Width 12" Oval Inlet	4'	90	0.118	0.119	7 - 10 - 15	16	42	29.4	29.6	2.2 - 3.2 - 4.5	45	42	49	29	24	13
		150	0.328	0.331	11 - 13 - 19	28	71	81.6	82.3	3.3 - 4.1 - 5.8	52	53	62	42	40	34
		180	0.472	0.476	12 - 15 - 21	32	85	117.5	118.5	3.7 - 4.5 - 6.3	54	57	67	47	45	42
		240	0.839	0.846	14 - 17 - 24	39	113	208.8	210.7	4.2 - 5.2 - 7.3	58	64	74	55	54	54
		270	1.061	1.071	15 - 18 - 26	42	127	264.3	266.7	4.5 - 5.5 - 7.8	60	66	77	58	58	59
	5'	100	0.061	0.063	7 - 11 - 16	15	47	15.3	15.6	2.1 - 3.2 - 4.7	43	39	42	26	21	-
		170	0.177	0.181	12 - 14 - 20	27	80	44.2	45.2	3.6 - 4.4 - 6.2	50	51	56	40	37	30
		205	0.258	0.264	13 - 16 - 22	32	97	64.3	65.7	3.9 - 4.8 - 6.8	53	55	61	45	42	38
		275	0.464	0.475	15 - 18 - 26	39	130	115.6	118.2	4.5 - 5.5 - 7.8	57	62	69	52	51	51
		310	0.590	0.603	16 - 19 - 27	42	146	146.9	150.1	4.8 - 5.9 - 8.3	59	64	72	56	55	56

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 2-SLOT, 3/4" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular		Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw	NC	Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
3/4" Slot Width 6" Oval Inlet	2'	60	0.026	0.032	5 - 10 - 21	17	28	6.4	8.0	1.4 - 3.1 - 6.5	39	33	20	18	12	-
		100	0.071	0.089	12 - 18 - 34	29	47	17.7	22.2	3.6 - 5.4 - 10.3	46	44	33	31	28	18
		120	0.102	0.128	14 - 21 - 37	33	57	25.5	31.9	4.3 - 6.5 - 11.3	49	48	38	36	33	25
		160	0.182	0.228	19 - 28 - 43	40	76	45.3	56.7	5.8 - 8.6 - 13.1	53	55	46	44	42	37
		180	0.230	0.288	21 - 32 - 46	43	85	57.4	71.8	6.5 - 9.7 - 13.8	54	57	49	47	45	42
	4'	75	0.018	0.028	3 - 6 - 13	12	35	4.4	6.9	0.8 - 1.7 - 3.8	32	23	-	-	-	-
		135	0.058	0.090	8 - 11 - 18	26	64	14.4	22.5	2.3 - 3.4 - 5.5	41	36	13	21	16	-
		165	0.086	0.135	9 - 14 - 20	30	78	21.5	33.6	2.8 - 4.2 - 6.1	43	40	19	26	22	-
		225	0.161	0.251	13 - 17 - 23	38	106	40.0	62.5	3.8 - 5.0 - 7.1	48	47	27	35	31	22
		255	0.206	0.323	14 - 18 - 25	41	120	51.4	80.3	4.3 - 5.3 - 7.6	49	50	30	38	35	28
	5'	85	0.019	0.032	2 - 5 - 13	11	40	4.7	7.9	0.7 - 1.6 - 3.9	31	20	-	-	-	-
		155	0.063	0.106	8 - 12 - 19	25	73	15.7	26.4	2.3 - 3.5 - 5.9	39	34	-	19	13	-
		190	0.095	0.159	9 - 14 - 21	30	90	23.6	39.7	2.9 - 4.3 - 6.5	42	38	13	24	19	-
		260	0.178	0.298	13 - 18 - 25	38	123	44.2	74.3	3.9 - 5.4 - 7.6	47	45	22	33	29	19
		295	0.229	0.384	15 - 19 - 27	41	139	56.9	95.7	4.5 - 5.7 - 8.1	48	48	25	36	33	24
3/4" Slot Width 8" Oval Inlet	2'	75	0.036	0.039	7 - 13 - 27	18	35	8.8	9.8	2.2 - 4.1 - 8.1	42	38	32	24	19	-
		125	0.099	0.109	15 - 22 - 38	30	59	24.6	27.2	4.5 - 6.8 - 11.5	49	49	46	37	34	27
		150	0.142	0.158	18 - 27 - 42	35	71	35.4	39.2	5.4 - 8.1 - 12.6	52	53	51	42	40	34
		200	0.253	0.280	24 - 34 - 48	41	94	62.9	69.7	7.2 - 10.3 - 14.6	56	60	58	50	48	47
		225	0.320	0.355	27 - 36 - 51	44	106	79.6	88.3	8.1 - 10.9 - 15.5	57	62	61	53	52	51
	4'	100	0.020	0.027	4 - 8 - 16	14	47	5.1	6.8	1.4 - 2.5 - 4.7	36	29	12	13	-	-
		170	0.059	0.079	9 - 14 - 20	27	80	14.7	19.7	2.9 - 4.3 - 6.2	44	41	26	27	23	11
		205	0.086	0.115	11 - 16 - 22	31	97	21.4	28.6	3.5 - 4.8 - 6.8	46	45	31	32	28	19
		275	0.155	0.207	15 - 18 - 26	38	130	38.5	51.5	4.5 - 5.5 - 7.8	50	51	39	40	37	31
		310	0.196	0.263	16 - 19 - 27	41	146	48.9	65.4	4.8 - 5.9 - 8.3	52	54	42	43	41	36
	5'	120	0.023	0.033	5 - 9 - 17	15	57	5.6	8.1	1.4 - 2.7 - 5.2	36	28	-	12	-	-
		210	0.069	0.100	10 - 16 - 23	29	99	17.3	24.9	3.2 - 4.8 - 6.9	44	40	23	27	22	-
		255	0.102	0.147	13 - 18 - 25	33	120	25.5	36.7	3.9 - 5.3 - 7.6	46	45	28	32	28	18
		345	0.188	0.270	17 - 20 - 29	40	163	46.7	67.1	5.1 - 6.2 - 8.8	51	51	36	40	37	31
		390	0.240	0.344	18 - 22 - 31	43	184	59.7	85.8	5.4 - 6.6 - 9.3	52	54	39	43	41	36
3/4" Slot Width 10" Oval Inlet	2'	80	0.046	0.048	8 - 14 - 28	17	38	11.4	12.0	2.5 - 4.3 - 8.6	43	39	39	26	21	-
		130	0.121	0.127	15 - 23 - 39	29	61	30.1	31.6	4.7 - 7.0 - 11.8	50	50	51	38	35	28
		155	0.172	0.180	18 - 28 - 42	33	73	42.8	44.9	5.6 - 8.4 - 12.8	52	54	56	43	41	36
		205	0.300	0.316	24 - 34 - 49	39	97	74.8	78.6	7.4 - 10.4 - 14.8	56	60	63	51	49	48
		230	0.378	0.397	27 - 36 - 51	42	109	94.2	99.0	8.3 - 11.1 - 15.6	58	63	66	54	53	52
	4'	120	0.024	0.030	6 - 10 - 17	16	57	6.1	7.4	2.0 - 3.1 - 5.2	39	33	21	18	12	-
		210	0.075	0.091	12 - 16 - 23	29	99	18.6	22.5	3.6 - 4.8 - 6.9	47	45	36	33	29	20
		255	0.110	0.134	14 - 18 - 25	34	120	27.4	33.2	4.3 - 5.3 - 7.6	49	50	41	38	35	28
		345	0.201	0.244	17 - 20 - 29	41	163	50.1	60.9	5.1 - 6.2 - 8.8	54	56	49	46	44	40
		390	0.257	0.312	18 - 22 - 31	44	184	64.0	77.8	5.4 - 6.6 - 9.3	55	59	52	49	48	45
	5'	130	0.021	0.027	5 - 10 - 18	15	61	5.1	6.7	1.7 - 3.0 - 5.4	37	30	15	14	-	-
		230	0.065	0.084	11 - 17 - 24	28	109	16.1	20.9	3.5 - 5.1 - 7.2	45	42	29	29	25	14
		280	0.096	0.124	14 - 18 - 26	33	132	23.8	30.9	4.3 - 5.6 - 7.9	48	47	35	34	31	22
		380	0.176	0.229	18 - 21 - 30	40	179	43.9	57.0	5.3 - 6.5 - 9.2	52	53	43	43	40	35
		430	0.226	0.293	19 - 23 - 32	43	203	56.2	72.9	5.7 - 6.9 - 9.8	54	56	46	46	44	40
3/4" Slot Width 12" Oval Inlet	4'	120	0.023	0.025	6 - 10 - 17	12	57	5.8	6.3	2.0 - 3.1 - 5.2	39	33	28	18	12	-
		220	0.078	0.085	12 - 16 - 23	26	104	19.5	21.1	3.7 - 5.0 - 7.0	47	46	44	34	30	21
		270	0.118	0.128	15 - 18 - 26	31	127	29.3	31.8	4.5 - 5.5 - 7.8	50	51	50	39	37	30
		370	0.221	0.240	17 - 21 - 30	39	175	55.1	59.7	5.3 - 6.4 - 9.1	55	58	58	48	46	43
		420	0.285	0.309	18 - 23 - 32	42	198	71.0	76.9	5.6 - 6.9 - 9.7	56	61	61	51	50	49
	5'	140	0.020	0.022	6 - 10 - 18	12	66	4.9	5.6	1.9 - 3.2 - 5.6	38	31	23	16	-	-
		260	0.068	0.077	13 - 18 - 25	27	123	17.0	19.3	3.9 - 5.4 - 7.6	47	45	40	33	29	19
		320	0.103	0.117	16 - 20 - 28	32	151	25.7	29.2	4.9 - 6.0 - 8.5	49	50	45	38	35	28
		440	0.195	0.222	19 - 23 - 33	39	208	48.7	55.2	5.7 - 7.0 - 9.9	54	57	53	47	45	41
		500	0.252	0.286	20 - 25 - 35	42	236	62.8	71.2	6.1 - 7.5 - 10.6	56	60	57	50	48	47

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 3-SLOT, 3/4" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
3/4" Slot Width 6" Oval Inlet	2'	60	0.015	0.022	4 - 8 - 20	-	28	3.8	5.4	1.1 - 2.5 - 6.0	33	24	-	-	-	-
		110	0.051	0.073	12 - 18 - 36	25	52	12.8	18.2	3.7 - 5.5 - 10.8	42	37	20	23	18	-
		135	0.077	0.110	15 - 22 - 39	30	64	19.2	27.4	4.5 - 6.8 - 12.0	45	42	25	29	24	13
		185	0.145	0.206	20 - 30 - 46	37	87	36.1	51.4	6.2 - 9.3 - 14.0	49	49	33	37	34	26
		210	0.187	0.266	23 - 35 - 49	40	99	46.6	66.2	7.0 - 10.5 - 15.0	51	52	37	40	38	32
	4'	100	0.023	0.041	4 - 8 - 16	12	47	5.7	10.2	1.1 - 2.4 - 4.7	31	20	-	-	-	-
		180	0.074	0.132	9 - 14 - 21	26	85	18.5	32.9	2.8 - 4.2 - 6.3	39	33	-	18	12	-
		220	0.111	0.198	11 - 16 - 23	31	104	27.7	49.2	3.5 - 5.0 - 7.0	42	37	-	23	18	-
		300	0.207	0.368	16 - 19 - 27	38	142	51.5	91.5	4.7 - 5.8 - 8.2	46	44	18	31	28	18
		340	0.265	0.472	17 - 20 - 29	41	160	66.1	117.5	5.0 - 6.2 - 8.7	48	47	21	35	31	23
	5'	120	0.029	0.054	4 - 8 - 17	13	57	7.1	13.5	1.1 - 2.5 - 5.1	30	19	-	-	-	-
		210	0.088	0.167	10 - 15 - 23	26	99	21.9	41.5	3.0 - 4.4 - 6.9	38	31	-	16	-	-
		255	0.129	0.246	12 - 18 - 25	31	120	32.2	61.2	3.6 - 5.3 - 7.6	41	36	-	21	16	-
		345	0.237	0.450	16 - 20 - 29	38	163	59.0	112.0	4.9 - 6.2 - 8.8	45	42	13	29	25	14
		390	0.303	0.575	18 - 22 - 31	41	184	75.4	143.1	5.4 - 6.6 - 9.3	47	45	16	33	29	19
3/4" Slot Width 8" Oval Inlet	2'	75	0.017	0.021	6 - 12 - 25	12	35	4.3	5.2	1.7 - 3.8 - 7.5	36	29	16	13	-	-
		135	0.056	0.068	15 - 22 - 39	26	64	13.8	17.0	4.5 - 6.8 - 12.0	45	42	32	29	24	13
		165	0.083	0.102	18 - 27 - 44	31	78	20.7	25.4	5.5 - 8.3 - 13.3	47	46	37	34	30	21
		225	0.154	0.189	25 - 36 - 51	38	106	38.5	47.2	7.5 - 10.9 - 15.5	52	53	45	42	40	34
		255	0.198	0.243	28 - 38 - 54	41	120	49.4	60.6	8.5 - 11.7 - 16.5	53	56	48	46	44	40
	4'	115	0.017	0.026	5 - 9 - 17	12	54	4.3	6.6	1.4 - 2.7 - 5.1	33	23	-	-	-	-
		215	0.060	0.092	11 - 16 - 23	26	101	15.1	23.0	3.4 - 4.9 - 6.9	41	37	16	23	17	-
		265	0.092	0.140	14 - 18 - 25	31	125	22.9	34.9	4.2 - 5.4 - 7.7	44	41	21	28	24	12
		365	0.174	0.266	17 - 21 - 30	39	172	43.4	66.3	5.2 - 6.4 - 9.0	49	49	30	37	33	26
		415	0.225	0.344	18 - 22 - 32	42	196	56.1	85.7	5.6 - 6.8 - 9.6	51	51	33	40	37	31
	5'	125	0.017	0.028	4 - 9 - 17	-	59	4.2	6.9	1.2 - 2.6 - 5.3	31	20	-	-	-	-
		245	0.064	0.106	11 - 17 - 24	26	116	16.0	26.3	3.4 - 5.2 - 7.4	40	35	-	20	15	-
		305	0.100	0.164	14 - 19 - 27	31	144	24.9	40.8	4.3 - 5.8 - 8.3	43	40	16	26	21	-
		425	0.194	0.318	19 - 23 - 32	39	201	48.3	79.3	5.6 - 6.9 - 9.7	48	47	25	35	31	23
		485	0.252	0.415	20 - 24 - 34	42	229	62.8	103.2	6.0 - 7.4 - 10.4	50	50	28	38	35	28
3/4" Slot Width 10" Oval Inlet	2'	100	0.028	0.032	10 - 16 - 33	16	47	7.0	7.9	3.1 - 5.0 - 10.0	40	35	28	21	15	-
		170	0.081	0.091	19 - 28 - 44	29	80	20.2	22.8	5.7 - 8.5 - 13.5	48	47	42	35	31	23
		205	0.118	0.133	23 - 34 - 49	33	97	29.3	33.1	6.8 - 10.3 - 14.8	50	51	47	40	37	31
		275	0.212	0.239	30 - 40 - 56	40	130	52.8	59.6	9.2 - 12.1 - 17.1	54	58	55	48	46	43
		310	0.269	0.304	34 - 42 - 60	43	146	67.0	75.7	10.3 - 12.8 - 18.2	56	60	58	51	49	48
	4'	130	0.016	0.023	6 - 10 - 18	12	61	4.1	5.6	1.8 - 3.1 - 5.4	34	26	-	-	-	-
		240	0.056	0.077	12 - 17 - 24	26	113	13.9	19.1	3.8 - 5.2 - 7.3	43	39	23	26	21	-
		295	0.084	0.116	15 - 19 - 27	31	139	21.0	28.9	4.6 - 5.7 - 8.1	46	44	29	31	27	17
		405	0.159	0.219	18 - 22 - 31	39	191	39.6	54.4	5.5 - 6.7 - 9.5	50	51	37	39	37	30
		460	0.205	0.282	19 - 24 - 33	42	217	51.1	70.2	5.9 - 7.2 - 10.1	52	54	40	43	40	35
	5'	150	0.017	0.025	6 - 10 - 19	12	71	4.2	6.3	1.7 - 3.2 - 5.8	33	24	-	-	-	-
		280	0.059	0.088	13 - 18 - 26	26	132	14.8	21.9	3.9 - 5.6 - 7.9	42	38	18	24	19	-
		345	0.090	0.133	16 - 20 - 29	31	163	22.5	33.2	4.9 - 6.2 - 8.8	45	42	24	29	25	14
		475	0.171	0.253	20 - 24 - 34	39	224	42.6	63.0	6.0 - 7.3 - 10.3	49	49	32	38	35	27
		540	0.221	0.327	21 - 26 - 36	42	255	55.1	81.4	6.3 - 7.8 - 11.0	51	52	36	41	39	33
3/4" Slot Width 12" Oval Inlet	4'	160	0.019	0.022	8 - 12 - 20	12	76	4.6	5.5	2.5 - 3.8 - 6.0	37	30	20	15	-	-
		290	0.061	0.072	15 - 19 - 26	27	137	15.2	18.0	4.6 - 5.7 - 8.1	46	43	35	31	26	16
		355	0.092	0.109	17 - 21 - 29	31	168	22.8	27.0	5.1 - 6.3 - 8.9	48	48	40	36	33	25
		485	0.171	0.203	20 - 24 - 34	39	229	42.6	50.5	6.0 - 7.4 - 10.4	53	55	49	44	42	38
		550	0.220	0.261	21 - 26 - 36	42	260	54.8	64.9	6.4 - 7.8 - 11.1	54	58	52	48	46	43
	5'	180	0.017	0.021	8 - 12 - 21	12	85	4.1	5.2	2.5 - 3.8 - 6.3	36	28	14	12	-	-
		340	0.059	0.075	16 - 20 - 29	27	160	14.8	18.7	4.8 - 6.2 - 8.7	45	42	30	29	25	13
		420	0.091	0.114	18 - 23 - 32	32	198	22.6	28.5	5.6 - 6.9 - 9.7	48	47	36	34	31	22
		580	0.173	0.218	22 - 26 - 37	40	274	43.1	54.4	6.6 - 8.1 - 11.4	52	54	44	43	41	36
		660	0.224	0.283	23 - 28 - 40	43	311	55.8	70.4	7.0 - 8.6 - 12.1	54	57	48	47	45	41

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 4-SLOT, 3/4" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
3/4" Slot Width 6" Oval Inlet	2'	65	0.011	0.018	2 - 4 - 16	-	31	2.6	4.5	0.6 - 1.3 - 5.0	30	19	-	-	-	-
		125	0.039	0.067	7 - 16 - 31	26	59	9.7	16.7	2.1 - 4.8 - 9.6	39	34	-	19	13	-
		155	0.060	0.103	11 - 19 - 39	31	73	15.0	25.6	3.3 - 5.9 - 11.8	42	39	13	25	20	-
		215	0.116	0.198	18 - 27 - 50	39	101	28.8	49.3	5.5 - 8.2 - 15.1	47	46	22	33	30	21
		245	0.150	0.257	21 - 31 - 53	42	116	37.4	64.1	6.2 - 9.4 - 16.2	49	49	25	37	34	26
	4'	115	0.022	0.046	2 - 5 - 14	14	54	5.5	11.3	0.6 - 1.4 - 4.1	29	17	-	-	-	-
		205	0.070	0.145	7 - 12 - 22	27	97	17.3	36.0	2.0 - 3.7 - 6.8	37	29	-	14	-	-
		250	0.104	0.215	10 - 15 - 25	32	118	25.8	53.6	3.0 - 4.5 - 7.5	39	34	-	19	13	-
		340	0.192	0.398	13 - 20 - 29	39	160	47.7	99.1	4.1 - 6.1 - 8.7	44	41	-	27	23	11
		385	0.246	0.510	15 - 22 - 31	42	182	61.1	127.1	4.6 - 6.6 - 9.3	45	43	-	30	26	16
	5'	125	0.024	0.052	2 - 4 - 13	12	59	5.9	12.8	0.5 - 1.2 - 4.0	27	14	-	-	-	-
		235	0.083	0.182	6 - 12 - 24	27	111	20.8	45.3	1.9 - 3.8 - 7.2	36	28	-	11	-	-
		290	0.127	0.277	10 - 15 - 26	32	137	31.6	69.0	2.9 - 4.7 - 8.1	38	32	-	17	11	-
		400	0.241	0.527	14 - 21 - 31	40	189	60.1	131.3	4.3 - 6.4 - 9.5	43	39	-	26	21	-
		455	0.312	0.682	16 - 23 - 33	43	215	77.8	169.9	4.9 - 7.1 - 10.1	45	42	-	29	25	14
3/4" Slot Width 8" Oval Inlet	2'	90	0.012	0.018	4 - 8 - 23	14	42	3.0	4.4	1.1 - 2.5 - 6.9	35	27	-	-	-	-
		160	0.038	0.055	12 - 20 - 40	28	76	9.4	13.8	3.5 - 6.1 - 12.2	43	39	20	26	21	-
		195	0.056	0.082	16 - 25 - 47	33	92	13.9	20.5	5.0 - 7.5 - 14.4	46	44	26	31	27	16
		265	0.103	0.152	22 - 33 - 55	40	125	25.7	37.8	6.8 - 10.1 - 16.8	50	50	34	39	36	29
		300	0.132	0.194	25 - 38 - 59	43	142	33.0	48.4	7.6 - 11.5 - 17.9	52	53	37	42	40	34
	4'	140	0.016	0.030	3 - 7 - 17	14	66	4.0	7.4	0.9 - 2.1 - 5.0	31	21	-	-	-	-
		240	0.048	0.087	9 - 14 - 24	27	113	11.9	21.8	2.8 - 4.3 - 7.3	39	33	-	18	12	-
		290	0.070	0.128	11 - 17 - 26	31	137	17.4	31.8	3.5 - 5.2 - 8.1	42	37	-	23	18	-
		390	0.126	0.231	15 - 22 - 31	38	184	31.4	57.5	4.7 - 6.6 - 9.3	46	44	16	31	27	16
		440	0.161	0.294	17 - 23 - 33	41	208	40.0	73.2	5.3 - 7.0 - 9.9	47	46	19	34	30	21
	5'	160	0.019	0.036	3 - 7 - 17	14	76	4.6	9.0	0.9 - 2.0 - 5.2	30	19	-	-	-	-
		280	0.057	0.111	9 - 15 - 26	27	132	14.2	27.6	2.7 - 4.5 - 7.9	38	31	-	16	-	-
		340	0.084	0.164	12 - 18 - 29	32	160	20.9	40.7	3.7 - 5.5 - 8.7	41	36	-	21	16	-
		460	0.154	0.299	16 - 24 - 33	39	217	38.2	74.6	4.9 - 7.2 - 10.1	45	42	11	29	25	14
		520	0.196	0.383	18 - 25 - 35	42	245	48.9	95.3	5.6 - 7.6 - 10.8	47	45	15	33	29	19
3/4" Slot Width 10" Oval Inlet	2'	100	0.011	0.015	4 - 10 - 25	14	47	2.8	3.7	1.4 - 3.1 - 7.6	36	29	13	13	-	-
		180	0.036	0.048	15 - 23 - 45	28	85	9.1	12.0	4.4 - 6.9 - 13.8	45	42	28	29	24	13
		220	0.054	0.072	18 - 28 - 50	33	104	13.5	17.9	5.6 - 8.4 - 15.3	47	46	33	34	30	21
		300	0.101	0.134	25 - 38 - 59	40	142	25.1	33.3	7.6 - 11.5 - 17.9	52	53	41	42	40	34
		340	0.130	0.172	28 - 43 - 63	43	160	32.3	42.7	8.7 - 13.0 - 19.0	53	56	45	46	44	40
	4'	150	0.012	0.021	4 - 8 - 18	13	71	3.1	5.1	1.1 - 2.4 - 5.4	32	23	-	-	-	-
		270	0.040	0.067	11 - 16 - 26	27	127	10.0	16.6	3.2 - 4.9 - 7.8	41	36	11	21	16	-
		330	0.060	0.099	13 - 20 - 28	32	156	14.9	24.8	4.0 - 5.9 - 8.6	43	40	16	26	22	-
		450	0.111	0.185	18 - 23 - 33	39	212	27.7	46.0	5.4 - 7.1 - 10.0	48	47	24	35	31	22
		510	0.143	0.237	20 - 25 - 35	42	241	35.6	59.1	6.1 - 7.6 - 10.7	49	50	28	38	35	28
	5'	175	0.014	0.025	3 - 8 - 19	13	83	3.6	6.3	1.1 - 2.4 - 5.6	31	21	-	-	-	-
		315	0.046	0.082	11 - 17 - 28	27	149	11.5	20.5	3.4 - 5.1 - 8.4	40	34	-	19	14	-
		385	0.069	0.123	14 - 20 - 31	32	182	17.2	30.6	4.1 - 6.2 - 9.3	42	38	11	25	20	-
		525	0.128	0.228	19 - 25 - 36	39	248	32.0	56.8	5.6 - 7.7 - 10.8	47	45	19	33	29	20
		595	0.165	0.293	21 - 27 - 38	42	281	41.1	73.0	6.4 - 8.2 - 11.5	48	48	23	36	33	25
3/4" Slot Width 12" Oval Inlet	4'	190	0.012	0.017	6 - 11 - 21	15	90	3.0	4.2	1.7 - 3.4 - 6.5	36	28	-	12	-	-
		340	0.038	0.054	13 - 20 - 29	28	160	9.5	13.3	4.1 - 6.1 - 8.7	44	41	24	27	23	11
		415	0.057	0.080	16 - 22 - 32	33	196	14.1	19.9	5.0 - 6.8 - 9.6	47	45	29	32	29	19
		565	0.105	0.148	21 - 26 - 37	40	267	26.1	36.8	6.5 - 7.9 - 11.2	51	52	37	41	38	32
		640	0.135	0.190	23 - 28 - 39	43	302	33.5	47.3	6.9 - 8.5 - 12.0	53	55	40	44	42	37
	5'	210	0.011	0.017	5 - 11 - 22	14	99	2.9	4.3	1.5 - 3.4 - 6.8	34	25	-	-	-	-
		370	0.036	0.054	13 - 20 - 30	27	175	8.9	13.5	4.0 - 6.0 - 9.1	42	38	17	23	18	-
		450	0.053	0.080	16 - 23 - 33	32	212	13.1	19.9	4.8 - 7.1 - 10.0	45	42	22	29	24	13
		610	0.097	0.147	22 - 27 - 38	39	288	24.1	36.6	6.6 - 8.3 - 11.7	49	49	30	37	34	26
		690	0.124	0.188	24 - 29 - 41	42	326	30.8	46.8	7.2 - 8.8 - 12.4	51	51	33	40	37	31

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 1-SLOT, 1" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular		Air	Pressures		Perpendicular							
	Linear	Flow	Ps	Pt	Throw	NC	Flow	Ps	Pt	Throw	Octave Band, dB						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1" Slot Width 6" Oval Inlet	2'	25	0.009	0.010	1 - 3 - 11	-	12	2.2	2.5	0.4 - 1.0 - 3.3	49	32	22	24	-	-
		55	0.043	0.048	7 - 12 - 24	26	26	10.7	12.0	2.1 - 3.6 - 7.3	55	48	40	41	32	24
		70	0.069	0.078	10 - 15 - 28	32	33	17.3	19.5	3.1 - 4.6 - 8.6	56	52	46	46	42	34
		100	0.142	0.160	15 - 22 - 34	40	47	35.3	39.7	4.4 - 6.6 - 10.3	59	60	55	54	55	48
		115	0.187	0.211	17 - 25 - 36	43	54	46.7	52.6	5.1 - 7.6 - 11.1	60	62	58	57	61	54
	4'	50	0.012	0.017	2 - 5 - 10	13	24	3.0	4.1	0.6 - 1.4 - 3.1	53	43	31	31	24	21
		90	0.039	0.054	6 - 9 - 15	27	42	9.8	13.4	1.9 - 2.8 - 4.5	57	55	45	44	47	45
		110	0.059	0.080	8 - 11 - 16	32	52	14.6	20.0	2.3 - 3.4 - 5.0	59	59	50	48	54	53
		150	0.109	0.150	10 - 13 - 19	39	71	27.2	37.2	3.1 - 4.1 - 5.8	61	65	57	55	66	65
		170	0.140	0.192	12 - 14 - 20	42	80	35.0	47.8	3.5 - 4.4 - 6.2	62	67	60	58	71	70
	5'	70	0.019	0.027	3 - 6 - 13	18	33	4.6	6.8	0.9 - 2.0 - 3.9	55	49	37	36	36	35
		110	0.046	0.067	7 - 10 - 16	28	52	11.4	16.8	2.0 - 3.1 - 5.0	58	58	48	46	53	53
		130	0.064	0.094	8 - 12 - 18	32	61	15.9	23.5	2.4 - 3.6 - 5.4	59	61	52	49	59	60
		170	0.110	0.161	10 - 14 - 20	39	80	27.3	40.1	3.2 - 4.4 - 6.2	61	67	58	55	70	70
		190	0.137	0.201	12 - 15 - 21	41	90	34.1	50.1	3.5 - 4.6 - 6.5	62	69	61	57	74	75
1" Slot Width 8" Oval Inlet	2'	35	0.021	0.022	3 - 6 - 15	11	17	5.3	5.5	0.9 - 2.0 - 4.6	49	31	23	26	-	-
		65	0.073	0.076	9 - 14 - 27	26	31	18.1	18.9	2.9 - 4.3 - 8.3	53	43	38	40	24	12
		80	0.110	0.115	12 - 17 - 30	31	38	27.5	28.6	3.5 - 5.3 - 9.2	55	47	43	44	32	20
		110	0.209	0.217	16 - 24 - 36	38	52	52.0	54.0	4.9 - 7.3 - 10.8	57	54	50	51	44	33
		125	0.270	0.280	18 - 27 - 38	41	59	67.1	69.8	5.5 - 8.2 - 11.5	58	56	53	54	49	38
	4'	70	0.018	0.021	4 - 7 - 13	17	33	4.5	5.3	1.2 - 2.2 - 4.0	53	42	33	34	22	15
		110	0.045	0.053	8 - 11 - 16	28	52	11.1	13.2	2.3 - 3.4 - 5.0	56	51	43	43	39	33
		130	0.062	0.074	9 - 13 - 18	32	61	15.5	18.4	2.7 - 3.8 - 5.4	57	54	47	47	46	40
		170	0.107	0.126	12 - 14 - 20	38	80	26.5	31.5	3.5 - 4.4 - 6.2	59	60	54	53	56	51
		190	0.133	0.158	12 - 15 - 21	41	90	33.1	39.3	3.8 - 4.6 - 6.5	60	62	56	55	60	55
	5'	85	0.019	0.024	4 - 8 - 14	18	40	4.7	5.9	1.3 - 2.4 - 4.4	54	45	35	35	28	23
		135	0.048	0.060	8 - 12 - 18	29	64	11.8	15.0	2.5 - 3.8 - 5.5	57	54	46	45	46	42
		160	0.067	0.084	10 - 14 - 20	33	76	16.6	21.0	3.0 - 4.2 - 6.0	58	58	50	49	52	48
		210	0.115	0.146	13 - 16 - 23	40	99	28.7	36.2	3.9 - 4.8 - 6.9	60	63	56	55	63	59
		235	0.144	0.182	14 - 17 - 24	42	111	35.9	45.4	4.2 - 5.1 - 7.2	61	65	59	57	67	64
1" Slot Width 10" Oval Inlet	2'	50	0.068	0.069	6 - 11 - 22	17	24	16.9	17.1	1.8 - 3.3 - 6.6	49	33	27	31	-	-
		80	0.174	0.176	12 - 17 - 30	28	38	43.2	43.8	3.5 - 5.3 - 9.2	53	42	38	41	21	-
		95	0.245	0.248	14 - 21 - 33	32	45	60.9	61.8	4.2 - 6.3 - 10.1	54	46	42	45	28	14
		125	0.424	0.429	18 - 27 - 38	39	59	105.5	106.9	5.5 - 8.2 - 11.5	56	51	49	50	39	25
		140	0.532	0.539	20 - 28 - 40	41	66	132.4	134.1	6.2 - 8.6 - 12.2	57	53	52	53	43	29
	4'	90	0.029	0.032	6 - 9 - 15	20	42	7.2	7.9	1.9 - 2.8 - 4.5	53	42	34	36	21	12
		140	0.070	0.077	10 - 13 - 18	31	66	17.4	19.2	2.9 - 4.0 - 5.6	56	51	45	45	38	30
		165	0.097	0.107	11 - 14 - 20	35	78	24.2	26.6	3.4 - 4.3 - 6.1	57	54	49	49	45	36
		215	0.165	0.182	13 - 16 - 23	41	101	41.0	45.2	4.0 - 4.9 - 6.9	59	59	55	54	55	47
		240	0.205	0.226	14 - 17 - 24	43	113	51.1	56.3	4.2 - 5.2 - 7.3	60	62	57	57	59	51
	5'	100	0.023	0.027	6 - 9 - 16	19	47	5.7	6.6	1.8 - 2.8 - 4.7	53	43	35	35	24	16
		150	0.052	0.060	9 - 13 - 19	29	71	12.9	14.9	2.8 - 4.1 - 5.8	56	51	44	44	40	33
		175	0.070	0.082	11 - 15 - 21	33	83	17.5	20.3	3.3 - 4.4 - 6.3	57	54	48	47	46	39
		225	0.116	0.135	13 - 17 - 23	38	106	29.0	33.6	4.1 - 5.0 - 7.1	59	59	54	53	55	49
		250	0.144	0.166	14 - 17 - 25	41	118	35.8	41.4	4.3 - 5.3 - 7.5	60	61	56	55	59	53
1" Slot Width 12" Oval Inlet	4'	100	0.049	0.051	7 - 10 - 16	19	47	12.3	12.6	2.1 - 3.1 - 4.7	51	36	30	33	-	-
		160	0.126	0.130	11 - 14 - 20	30	76	31.5	32.3	3.3 - 4.2 - 6.0	54	45	41	43	28	15
		190	0.178	0.183	12 - 15 - 21	34	90	44.4	45.6	3.8 - 4.6 - 6.5	55	49	45	47	34	22
		250	0.309	0.317	14 - 17 - 25	40	118	76.8	78.9	4.3 - 5.3 - 7.5	57	54	52	52	45	33
		280	0.387	0.398	15 - 18 - 26	43	132	96.4	99.0	4.6 - 5.6 - 7.9	58	57	54	55	49	37
	5'	110	0.031	0.032	7 - 10 - 16	17	52	7.7	8.1	2.0 - 3.1 - 5.0	51	37	30	32	12	-
		180	0.082	0.087	11 - 15 - 21	29	85	20.5	21.6	3.3 - 4.5 - 6.3	54	47	42	43	31	20
		215	0.118	0.124	13 - 16 - 23	33	101	29.3	30.8	4.0 - 4.9 - 6.9	56	50	46	47	38	27
		285	0.207	0.218	15 - 19 - 26	40	135	51.5	54.2	4.6 - 5.6 - 8.0	58	56	53	53	49	38
		320	0.261	0.274	16 - 20 - 28	43	151	64.9	68.3	4.9 - 6.0 - 8.5	59	58	55	55	53	43

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 2-SLOT, 1" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1" Slot Width 6" Oval Inlet	2'	60	0.017	0.024	3 - 7 - 18	17	28	4.4	6.0	0.9 - 2.0 - 5.6	54	47	36	35	31	28
		100	0.049	0.066	8 - 15 - 31	29	47	12.1	16.5	2.5 - 4.7 - 9.4	58	57	48	46	51	49
		120	0.070	0.096	12 - 18 - 37	34	57	17.4	23.8	3.6 - 5.6 - 11.2	59	60	52	50	58	56
		160	0.124	0.170	16 - 25 - 43	41	76	31.0	42.4	5.0 - 7.5 - 13.1	61	66	59	56	69	68
		180	0.157	0.215	18 - 28 - 46	43	85	39.2	53.6	5.6 - 8.4 - 13.8	62	69	62	59	73	73
	4'	70	0.012	0.021	1 - 3 - 10	-	33	3.1	5.2	0.4 - 1.0 - 3.1	54	47	32	31	32	35
		130	0.042	0.072	5 - 9 - 18	25	61	10.5	18.0	1.5 - 2.9 - 5.4	59	59	47	44	56	60
		160	0.064	0.110	7 - 12 - 20	30	76	15.9	27.3	2.3 - 3.5 - 6.0	60	63	52	49	64	68
		220	0.121	0.208	11 - 16 - 23	37	104	30.1	51.7	3.2 - 4.9 - 7.0	63	70	59	55	77	81
		250	0.156	0.268	12 - 17 - 25	41	118	38.9	66.7	3.7 - 5.3 - 7.5	64	72	62	58	81	86
	5'	80	0.014	0.025	1 - 3 - 10	-	38	3.4	6.3	0.4 - 0.9 - 3.2	55	49	33	31	36	41
		150	0.048	0.088	5 - 10 - 19	25	71	12.0	22.0	1.4 - 3.0 - 5.8	59	61	48	45	60	66
		185	0.073	0.134	7 - 12 - 21	30	87	18.2	33.5	2.2 - 3.7 - 6.4	61	66	53	49	68	74
		255	0.139	0.255	11 - 17 - 25	38	120	34.7	63.6	3.4 - 5.0 - 7.6	63	72	61	56	81	87
		290	0.180	0.330	13 - 19 - 26	41	137	44.8	82.2	3.8 - 5.7 - 8.1	64	75	64	59	86	92
1" Slot Width 8" Oval Inlet	2'	75	0.021	0.025	5 - 10 - 23	19	35	5.2	6.1	1.4 - 3.2 - 7.0	53	43	34	35	25	18
		115	0.049	0.058	11 - 18 - 35	29	54	12.1	14.4	3.3 - 5.4 - 10.8	56	52	45	44	41	35
		135	0.067	0.080	14 - 21 - 39	33	64	16.7	19.9	4.2 - 6.3 - 12.0	57	55	48	48	47	41
		175	0.113	0.134	18 - 27 - 45	39	83	28.1	33.4	5.5 - 8.2 - 13.6	59	60	54	53	57	52
		195	0.140	0.166	20 - 30 - 47	41	92	34.9	41.4	6.1 - 9.1 - 14.4	60	63	57	56	61	56
	4'	90	0.012	0.018	2 - 5 - 13	12	42	3.0	4.4	0.7 - 1.6 - 4.0	53	44	32	31	27	26
		160	0.038	0.055	7 - 12 - 20	26	76	9.4	13.8	2.3 - 3.5 - 6.0	58	56	45	44	49	49
		195	0.056	0.082	9 - 14 - 22	31	92	13.9	20.5	2.9 - 4.3 - 6.6	59	60	50	48	57	57
		265	0.103	0.152	13 - 18 - 25	38	125	25.7	37.8	3.9 - 5.4 - 7.7	61	66	57	54	69	69
		300	0.132	0.194	15 - 19 - 27	41	142	33.0	48.4	4.4 - 5.8 - 8.2	62	68	60	57	73	74
	5'	100	0.012	0.019	2 - 5 - 13	11	47	3.0	4.7	0.6 - 1.4 - 3.9	54	46	32	31	30	30
		190	0.043	0.068	8 - 12 - 21	27	90	10.7	16.9	2.3 - 3.7 - 6.5	58	58	47	45	54	56
		235	0.066	0.104	10 - 15 - 24	32	111	16.3	25.8	3.1 - 4.6 - 7.2	60	63	52	49	62	64
		325	0.125	0.198	14 - 20 - 28	39	153	31.2	49.4	4.3 - 6.0 - 8.5	62	69	60	56	75	78
		370	0.163	0.257	16 - 21 - 30	42	175	40.5	64.0	4.9 - 6.4 - 9.1	63	72	63	59	80	83
1" Slot Width 10" Oval Inlet	2'	90	0.029	0.032	7 - 14 - 28	20	42	7.2	7.9	2.0 - 4.2 - 8.4	53	42	34	36	21	12
		140	0.070	0.077	14 - 22 - 40	31	66	17.4	19.2	4.4 - 6.6 - 12.2	56	51	45	45	38	30
		165	0.097	0.107	17 - 25 - 44	35	78	24.2	26.6	5.1 - 7.7 - 13.3	57	54	49	49	45	36
		215	0.165	0.182	22 - 33 - 50	41	101	41.0	45.2	6.7 - 10.1 - 15.1	59	59	55	54	55	47
		240	0.205	0.226	25 - 37 - 53	43	113	51.1	56.3	7.5 - 11.2 - 16.0	60	62	57	57	59	51
	4'	100	0.011	0.015	3 - 7 - 15	12	47	2.8	3.7	0.9 - 2.0 - 4.4	52	41	30	30	21	17
		180	0.036	0.048	9 - 13 - 21	26	85	9.1	12.0	2.6 - 4.0 - 6.3	57	53	44	43	43	40
		220	0.054	0.072	11 - 16 - 23	31	104	13.5	17.9	3.2 - 4.9 - 7.0	58	57	49	47	51	48
		300	0.101	0.134	15 - 19 - 27	38	142	25.1	33.3	4.4 - 5.8 - 8.2	60	63	56	54	63	61
		340	0.130	0.172	16 - 20 - 29	41	160	32.3	42.7	5.0 - 6.2 - 8.7	61	66	59	56	68	66
	5'	110	0.010	0.015	3 - 6 - 14	-	52	2.6	3.7	0.8 - 1.7 - 4.3	53	42	30	30	23	21
		210	0.038	0.054	9 - 14 - 23	26	99	9.4	13.4	2.8 - 4.1 - 6.9	57	55	45	44	48	47
		260	0.058	0.083	11 - 17 - 25	31	123	14.5	20.6	3.4 - 5.1 - 7.6	59	59	50	48	56	55
		360	0.111	0.158	16 - 21 - 30	39	170	27.7	39.4	4.7 - 6.3 - 9.0	61	66	58	55	69	68
		410	0.145	0.205	18 - 22 - 31	42	193	36.0	51.2	5.4 - 6.8 - 9.6	62	69	61	58	74	74
1" Slot Width 12" Oval Inlet	4'	150	0.020	0.023	7 - 11 - 19	18	71	5.0	5.8	2.0 - 3.3 - 5.8	52	41	33	34	21	13
		250	0.056	0.064	12 - 17 - 25	30	118	13.9	16.0	3.7 - 5.3 - 7.5	56	52	45	45	40	33
		300	0.080	0.093	15 - 19 - 27	34	142	20.0	23.1	4.4 - 5.8 - 8.2	57	55	49	49	47	41
		400	0.143	0.165	18 - 22 - 31	41	189	35.6	41.0	5.5 - 6.7 - 9.5	60	61	56	55	58	52
		450	0.181	0.208	19 - 23 - 33	44	212	45.1	51.9	5.8 - 7.1 - 10.0	60	63	59	57	63	57
	5'	170	0.018	0.022	6 - 11 - 20	17	80	4.4	5.4	1.8 - 3.4 - 6.2	53	43	33	34	24	18
		280	0.048	0.059	12 - 18 - 26	29	132	12.0	14.6	3.7 - 5.5 - 7.9	57	53	45	45	43	38
		335	0.069	0.084	14 - 20 - 28	33	158	17.1	20.9	4.4 - 6.1 - 8.7	58	57	49	49	50	45
		445	0.121	0.148	19 - 23 - 33	40	210	30.2	36.9	5.8 - 7.1 - 10.0	60	62	56	55	61	57
		500	0.153	0.187	20 - 25 - 35	43	236	38.2	46.6	6.1 - 7.5 - 10.6	61	65	59	57	66	61

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 3-SLOT, 1" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular		Air	Pressures		Perpendicular							
	Linear	Flow	Ps	Pt	Throw	NC	Flow	Ps	Pt	Throw	Octave Band, dB						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1" Slot Width 6" Oval Inlet	2'	75	0.018	0.028	3 - 6 - 19	16	35	4.4	6.9	0.8 - 1.7 - 5.7	55	49	37	36	37	38
		125	0.050	0.078	7 - 16 - 31	28	59	12.4	19.3	2.1 - 4.8 - 9.6	59	60	49	46	57	58
		150	0.071	0.112	10 - 19 - 38	33	71	17.8	27.8	3.1 - 5.7 - 11.5	60	63	53	50	64	66
		200	0.127	0.198	17 - 25 - 48	40	94	31.6	49.4	5.1 - 7.6 - 14.6	62	69	60	57	75	77
		225	0.161	0.251	19 - 28 - 51	42	106	40.0	62.5	5.7 - 8.6 - 15.5	63	71	63	59	79	82
	4'	100	0.019	0.037	2 - 4 - 12	13	47	4.8	9.2	0.5 - 1.1 - 3.6	56	52	37	34	43	50
		180	0.062	0.120	5 - 11 - 21	27	85	15.5	29.9	1.6 - 3.2 - 6.3	60	64	51	47	66	73
		220	0.093	0.179	8 - 13 - 23	31	104	23.1	44.6	2.3 - 4.0 - 7.0	62	68	55	51	74	81
		300	0.173	0.333	12 - 18 - 27	39	142	43.0	83.0	3.6 - 5.4 - 8.2	64	74	63	58	86	94
		340	0.222	0.428	13 - 20 - 29	42	160	55.2	106.6	4.1 - 6.1 - 8.7	65	77	66	60	91	99
	5'	120	0.025	0.050	2 - 4 - 13	14	57	6.1	12.5	0.5 - 1.1 - 3.9	57	55	39	35	49	57
		220	0.083	0.169	6 - 12 - 23	28	104	20.6	42.1	1.7 - 3.5 - 7.0	62	67	53	48	72	82
		270	0.124	0.255	8 - 14 - 26	33	127	31.0	63.4	2.5 - 4.4 - 7.8	63	71	58	53	80	90
		370	0.234	0.478	13 - 20 - 30	40	175	58.2	119.1	4.0 - 6.0 - 9.1	65	78	65	60	92	103
		420	0.301	0.616	15 - 22 - 32	43	198	75.0	153.5	4.5 - 6.8 - 9.7	66	80	68	62	97	108
1" Slot Width 8" Oval Inlet	2'	80	0.013	0.017	3 - 6 - 20	14	38	3.3	4.4	0.9 - 2.0 - 6.1	53	43	32	32	24	21
		140	0.040	0.054	9 - 18 - 35	27	66	10.0	13.3	2.7 - 5.3 - 10.7	57	54	45	44	46	43
		170	0.059	0.079	13 - 21 - 43	32	80	14.7	19.7	3.9 - 6.5 - 13.0	58	58	50	48	53	51
		230	0.108	0.145	19 - 29 - 51	39	109	26.9	36.0	5.9 - 8.8 - 15.6	61	64	57	55	65	63
		260	0.138	0.185	22 - 33 - 55	42	123	34.4	46.0	6.6 - 9.9 - 16.6	62	67	60	57	70	68
	4'	125	0.016	0.027	2 - 6 - 15	14	59	4.0	6.6	0.8 - 1.7 - 4.5	55	49	36	34	37	39
		225	0.052	0.086	8 - 13 - 23	28	106	12.8	21.5	2.4 - 4.1 - 7.1	59	61	49	46	60	63
		275	0.077	0.129	11 - 16 - 26	33	130	19.2	32.2	3.3 - 5.0 - 7.8	61	65	54	51	67	71
		375	0.143	0.240	15 - 21 - 30	40	177	35.7	59.8	4.5 - 6.5 - 9.2	63	71	61	57	79	83
		425	0.184	0.309	17 - 23 - 32	43	201	45.8	76.8	5.1 - 6.9 - 9.7	64	74	64	60	84	88
	5'	150	0.019	0.035	3 - 6 - 16	15	71	4.8	8.7	0.8 - 1.8 - 4.8	56	52	38	35	42	47
		260	0.058	0.105	8 - 14 - 25	28	123	14.6	26.2	2.3 - 4.2 - 7.6	60	63	51	47	64	69
		315	0.086	0.154	11 - 17 - 28	32	149	21.4	38.4	3.4 - 5.1 - 8.4	62	67	55	51	71	77
		425	0.156	0.281	15 - 23 - 32	39	201	38.9	69.9	4.6 - 6.8 - 9.7	64	73	62	58	83	89
		480	0.199	0.358	17 - 24 - 34	42	227	49.6	89.2	5.2 - 7.3 - 10.4	65	75	65	60	87	94
1" Slot Width 10" Oval Inlet	2'	100	0.017	0.021	4 - 10 - 25	17	47	4.2	5.1	1.4 - 3.1 - 7.6	53	42	33	33	23	16
		160	0.043	0.053	12 - 20 - 40	28	76	10.8	13.1	3.5 - 6.1 - 12.2	56	52	44	44	41	35
		190	0.061	0.074	16 - 24 - 47	32	90	15.2	18.5	4.8 - 7.3 - 14.2	57	55	48	47	47	42
		250	0.106	0.128	21 - 31 - 54	38	118	26.3	32.0	6.4 - 9.6 - 16.3	59	61	54	53	58	53
		280	0.133	0.161	23 - 35 - 57	41	132	33.0	40.1	7.1 - 10.7 - 17.3	60	63	57	55	62	58
	4'	150	0.016	0.024	4 - 8 - 18	16	71	4.0	6.0	1.1 - 2.4 - 5.4	55	48	35	34	34	33
		250	0.044	0.067	10 - 15 - 25	28	118	11.1	16.7	3.0 - 4.5 - 7.5	58	58	48	45	53	54
		300	0.064	0.097	12 - 18 - 27	32	142	15.9	24.1	3.6 - 5.4 - 8.2	60	62	52	49	60	61
		400	0.114	0.172	16 - 22 - 31	39	189	28.3	42.8	4.8 - 6.7 - 9.5	62	67	59	55	71	73
		450	0.144	0.217	18 - 23 - 33	42	212	35.9	54.1	5.4 - 7.1 - 10.0	63	70	61	58	76	78
	5'	170	0.017	0.027	3 - 7 - 18	15	80	4.2	6.8	1.0 - 2.2 - 5.5	55	49	36	35	37	39
		290	0.049	0.079	10 - 15 - 26	28	137	12.2	19.7	2.9 - 4.7 - 8.1	59	60	49	46	58	60
		350	0.071	0.116	12 - 19 - 29	32	165	17.7	28.8	3.8 - 5.6 - 8.8	60	64	53	50	65	68
		470	0.128	0.208	17 - 24 - 34	39	222	31.9	51.9	5.0 - 7.2 - 10.3	63	70	60	56	76	79
		530	0.163	0.265	19 - 25 - 36	42	250	40.6	66.0	5.7 - 7.7 - 10.9	63	72	63	59	81	84
1" Slot Width 12" Oval Inlet	4'	200	0.019	0.024	6 - 12 - 22	18	94	4.7	6.0	1.9 - 3.6 - 6.7	54	46	36	36	29	25
		320	0.048	0.062	13 - 19 - 28	29	151	12.0	15.4	3.8 - 5.8 - 8.5	57	55	47	46	47	44
		380	0.068	0.087	15 - 21 - 30	33	179	16.9	21.7	4.6 - 6.5 - 9.2	59	58	51	49	54	50
		500	0.117	0.151	20 - 25 - 35	40	236	29.2	37.6	6.0 - 7.5 - 10.6	61	64	57	55	64	62
		560	0.147	0.190	21 - 26 - 37	43	264	36.7	47.2	6.5 - 7.9 - 11.2	61	66	60	58	69	66
	5'	220	0.017	0.024	6 - 12 - 23	17	104	4.3	5.9	1.7 - 3.5 - 7.0	54	47	36	35	31	29
		350	0.043	0.060	12 - 19 - 29	28	165	10.8	14.9	3.8 - 5.6 - 8.8	58	56	46	45	49	47
		415	0.061	0.084	15 - 22 - 32	32	196	15.2	21.0	4.5 - 6.7 - 9.6	59	59	51	49	56	54
		545	0.105	0.145	19 - 26 - 36	39	257	26.2	36.1	5.9 - 7.8 - 11.0	61	65	57	54	66	65
		610	0.132	0.182	22 - 27 - 38	41	288	32.8	45.3	6.6 - 8.3 - 11.7	62	67	60	57	71	70

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900BOOT Performance Data: Horizontal Throw

IP/METRIC DATA: 1900BOOT, 4-SLOT, 1" SLOT WIDTH

		IP Data					Metric Data										
		Air	Pressures		Perpendicular	NC	Air	Pressures		Perpendicular	Octave Band, dB					
	Linear	Flow	Ps	Pt	Throw		Flow	Ps	Pt	Throw						
	Length	CFM	"WG	"WG	ft		L/s	Pa	Pa	m	2	3	4	5	6	7
1" Slot Width 6" Oval Inlet	2'	70	0.012	0.021	1 - 3 - 13	-	33	3.1	5.2	0.4 - 1.0 - 3.9	54	47	32	31	32	35
		140	0.049	0.084	6 - 13 - 30	27	66	12.2	20.9	1.7 - 3.9 - 9.3	59	61	49	46	59	63
		175	0.077	0.131	9 - 19 - 38	32	83	19.1	32.7	2.7 - 5.8 - 11.6	61	65	54	51	68	72
		245	0.150	0.257	18 - 27 - 53	40	116	37.4	64.1	5.3 - 8.1 - 16.2	63	72	62	58	81	85
		280	0.196	0.336	20 - 30 - 57	43	132	48.8	83.7	6.2 - 9.3 - 17.3	64	75	65	61	86	91
	4'	115	0.022	0.046	1 - 3 - 12	12	54	5.5	11.3	0.4 - 0.9 - 3.6	57	54	37	34	47	56
		215	0.077	0.159	5 - 11 - 22	26	101	19.1	39.6	1.5 - 3.3 - 6.7	61	67	52	47	71	81
		265	0.116	0.242	7 - 14 - 25	31	125	29.0	60.2	2.2 - 4.1 - 7.7	63	71	57	52	79	89
		365	0.221	0.459	12 - 19 - 30	39	172	55.0	114.2	3.8 - 5.7 - 9.0	65	77	64	59	91	102
		415	0.285	0.593	14 - 21 - 32	42	196	71.0	147.7	4.3 - 6.5 - 9.6	66	80	68	61	96	107
	5'	125	0.024	0.052	1 - 3 - 10	-	59	5.9	12.8	0.4 - 0.8 - 3.2	57	55	37	33	49	59
		235	0.083	0.182	4 - 9 - 22	25	111	20.8	45.3	1.2 - 2.8 - 6.6	62	68	52	47	73	84
		290	0.127	0.277	6 - 13 - 26	30	137	31.6	69.0	1.9 - 4.0 - 8.1	63	72	57	51	81	93
		400	0.241	0.527	12 - 18 - 31	38	189	60.1	131.3	3.6 - 5.6 - 9.5	66	78	64	58	93	106
		455	0.312	0.682	14 - 21 - 33	41	215	77.8	169.9	4.2 - 6.3 - 10.1	66	81	67	61	98	111
1" Slot Width 8" Oval Inlet	2'	90	0.012	0.018	2 - 5 - 20	12	42	3.0	4.4	0.7 - 1.6 - 6.0	53	44	32	31	27	26
		170	0.043	0.062	8 - 19 - 37	27	80	10.6	15.5	2.6 - 5.6 - 11.3	58	57	47	45	51	51
		210	0.065	0.095	13 - 23 - 46	32	99	16.2	23.7	3.9 - 6.9 - 13.9	60	61	52	49	60	60
		290	0.124	0.182	21 - 32 - 58	40	137	30.8	45.3	6.4 - 9.6 - 17.6	62	68	59	56	72	73
		330	0.160	0.235	24 - 36 - 62	43	156	39.9	58.6	7.3 - 10.9 - 18.7	63	70	62	59	77	78
	4'	140	0.016	0.030	2 - 5 - 14	12	66	4.0	7.4	0.6 - 1.4 - 4.4	55	50	35	33	39	44
		260	0.056	0.103	7 - 13 - 25	27	123	14.0	25.6	2.1 - 4.1 - 7.6	60	63	50	46	63	69
		320	0.085	0.156	11 - 16 - 28	32	151	21.1	38.7	3.2 - 5.0 - 8.5	62	67	55	51	71	77
		440	0.161	0.294	15 - 23 - 33	39	208	40.0	73.2	4.6 - 6.9 - 9.9	64	73	62	58	83	90
		500	0.207	0.380	17 - 25 - 35	42	236	51.6	94.5	5.2 - 7.5 - 10.6	65	76	65	60	88	95
	5'	160	0.019	0.036	2 - 4 - 15	12	76	4.6	9.0	0.6 - 1.3 - 4.5	56	52	36	34	43	49
		300	0.065	0.127	7 - 14 - 27	27	142	16.3	31.7	2.0 - 4.2 - 8.2	61	65	51	47	67	75
		370	0.099	0.194	10 - 17 - 30	32	175	24.7	48.2	3.1 - 5.2 - 9.1	62	69	56	51	75	83
		510	0.189	0.368	16 - 23 - 35	39	241	47.0	91.7	4.7 - 7.1 - 10.7	65	75	64	58	88	96
		580	0.244	0.476	18 - 26 - 37	42	274	60.8	118.5	5.4 - 8.1 - 11.4	66	78	67	61	93	101
1" Slot Width 10" Oval Inlet	2'	100	0.011	0.015	3 - 7 - 22	12	47	2.8	3.7	0.9 - 2.0 - 6.6	52	41	30	30	21	17
		190	0.041	0.054	11 - 21 - 41	27	90	10.1	13.3	3.2 - 6.3 - 12.6	57	54	45	44	46	43
		235	0.062	0.082	16 - 26 - 51	32	111	15.4	20.4	4.9 - 7.8 - 15.6	59	58	50	49	54	51
		325	0.119	0.157	24 - 35 - 61	40	153	29.5	39.1	7.2 - 10.8 - 18.6	61	65	58	56	66	64
		370	0.154	0.203	27 - 40 - 65	43	175	38.3	50.6	8.2 - 12.2 - 19.8	62	67	61	58	71	69
	4'	160	0.014	0.023	3 - 6 - 16	13	76	3.5	5.8	0.8 - 1.8 - 5.0	55	48	34	33	34	36
		300	0.050	0.082	9 - 15 - 27	28	142	12.3	20.5	2.8 - 4.7 - 8.2	59	61	49	46	58	61
		370	0.075	0.125	13 - 19 - 30	33	175	18.8	31.1	3.8 - 5.8 - 9.1	61	65	54	51	67	70
		510	0.143	0.237	17 - 25 - 35	40	241	35.6	59.1	5.3 - 7.6 - 10.7	63	71	61	57	79	83
		580	0.185	0.307	20 - 26 - 37	43	274	46.1	76.5	6.0 - 8.1 - 11.4	64	74	65	60	84	88
	5'	180	0.015	0.027	2 - 5 - 17	12	85	3.8	6.7	0.7 - 1.6 - 5.0	55	49	35	33	37	41
		340	0.054	0.096	9 - 16 - 29	27	160	13.4	23.8	2.6 - 4.7 - 8.7	60	62	50	46	62	67
		420	0.082	0.146	13 - 19 - 32	32	198	20.5	36.4	3.9 - 5.9 - 9.7	61	66	55	51	70	75
		580	0.157	0.279	18 - 26 - 37	40	274	39.0	69.4	5.4 - 8.1 - 11.4	64	73	62	58	82	88
		660	0.203	0.361	20 - 28 - 40	43	311	50.5	89.8	6.1 - 8.6 - 12.1	65	75	65	61	87	93
1" Slot Width 12" Oval Inlet	4'	200	0.013	0.019	4 - 9 - 21	14	94	3.3	4.6	1.3 - 2.8 - 6.2	53	44	33	32	27	25
		360	0.043	0.060	12 - 18 - 30	28	170	10.6	15.0	3.7 - 5.6 - 9.0	58	56	47	45	50	49
		440	0.064	0.090	15 - 23 - 33	32	208	15.8	22.3	4.6 - 6.9 - 9.9	59	60	51	49	57	57
		600	0.118	0.167	21 - 27 - 38	40	283	29.5	41.5	6.2 - 8.2 - 11.6	61	66	59	56	69	69
		680	0.152	0.214	23 - 29 - 41	43	321	37.8	53.4	7.1 - 8.7 - 12.3	62	69	62	59	74	74
	5'	225	0.013	0.020	4 - 8 - 21	13	106	3.3	5.0	1.1 - 2.6 - 6.3	54	46	33	32	30	30
		405	0.043	0.065	12 - 19 - 31	27	191	10.6	16.1	3.7 - 5.7 - 9.5	58	58	47	45	53	53
		495	0.064	0.097	15 - 23 - 35	32	234	15.9	24.1	4.6 - 6.9 - 10.5	60	62	52	49	61	61
		675	0.119	0.180	21 - 29 - 40	39	319	29.5	44.8	6.3 - 8.7 - 12.3	62	68	59	56	72	74
		765	0.152	0.231	23 - 30 - 43	42	361	37.9	57.6	7.1 - 9.2 - 13.1	63	70	62	59	77	79

NOTES: Throw values are given for terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 -7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. For return applications, add 3 NC to supply data; static pressure is equal to supply total pressure. See selection software for performance data not shown, including octave band data.

1900 Suggested Specification & Configuration

1900

The linear slot supply diffuser shall be Krueger model 1900 with 1/2", 3/4", 1", 1 1/2", or 2" slot width of the sizes and frame styles shown on the drawings or job schedule. The 1900 shall be constructed of extruded aluminum with the maximum single length of 72". Units longer than 72" shall be provided in multiple sections and assembled with alignment strips or pins provided by the manufacturer yielding a continuous linear appearance. The linear diffuser shall be available with 1 through 8 slots for 1/2", 3/4" and 1" slot widths and 1 through 4 slots for 1 1/2" and 2" slot widths (unless otherwise expressed in notes below).

The pattern controllers for the linear diffuser shall be extruded aluminum and have an "inverted T" appearance after installation into the slot diffuser. The pattern deflectors shall be held in place by a spring clip constructed of spring steel and be removable from the linear diffuser without the use of special tools. The maximum length of the pattern controllers is 36". For any unit longer than 36", the pattern controllers shall be in multiple sections.

Return models of the linear slot diffuser shall be made like the 1900 linear slot diffuser except without pattern controllers.

Optional end caps or end plates shall be provided by the manufacturer for use on the 1900 linear slot diffuser.

Optional plenum boot shall be provided by the manufacturer for use on the 1900 linear slot diffuser.

Optional curving of linear slot diffusers to a minimum of 6' radius with fixed deflectors is available upon request.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

1. SERIES: (XXXX)
1900 - Linear Slot Diffuser

2. LENGTH: (XXX.XX)
12" - 999" in 1/8" Increments

3. NUMBER OF SLOTS: (X)
1*, 2*, 3*, 4*, 5, 6, 7, or 8

4. DUCT DIAMETER FOR FRAME L: SPIRAL DUCT FRAME (XX) **
Options based on number of slots and slot width. See selection software.

5. SLOT WIDTH: (XX)
50 - 1/2" Spacing
75 - 3/4" Spacing
10 - 1" Spacing
15 - 1 1/2" Spacing *
20 - 2" Spacing *

6. FRAME STYLE: (X)
A - T-Bar Ceiling Mount
B - Surface Mount with Screw Fastening
C - Surface Mount with Concealed Fastening
D - Plaster Tile Mount with Concealed Fastening
E - Surface Mount with Sub-frame and Concealed Fastening
F - "Discrete" Plaster Mount with Concealed Fastening
I - Spline Ceiling
J - Surface Mount with No Screw Holes
K - Narrow-T Ceiling Mount
L - Spiral Duct Mount

7. END BORDER: (X)
E - End Cap, Both Ends
B - Butt Cut
F - End Cap, One End
P - End Plate, Both Ends
Q - End Plate, One End

8. ACCESSORIES: (XX)
00 - No Accessories
F - Blades

9. FINISH: (XX)
01 - Mill
10 - Alumican
35 - Black
44 - British White

** Only four slots available when selecting slot width codes 15 or 20.*
*** Frame L is only available when selecting slot width code 75 or 10.*

SAMPLE CONFIGURATION: 1900 - 48.25 - 3 - 00 - 10 - C - E - F - 44

1900 with TechZone™ Suggested Specification & Configuration

1. SERIES: (XXXX)
1900 - Linear Slot Diffuser

2. LENGTH: (XX)
24", 30", 36", 48", 60", 72"

3. NUMBER OF SLOTS: (X)
1, 2, 3, 4*

4. SLOT WIDTH: (XX)
75 - 3/4" Spacing

5. FRAME STYLE: (X)
N - TechZone™ Frame for 9/16" Narrow Tee Ceiling
S - TechZone™ Frame for Standard 15/16" Ceiling

6. END BORDER: (X)
E - End Cap, Both Ends (Frame S Only)
P - End Plate, Both Ends (Frames N & T Only)

7. ACCESSORIES: (X)
0 - No Accessories
F - Blades

8. FINISH: (XX)
01 - Mill
10 - Alumican
31 - Armstrong White
35 - Black
44 - British White

1900 for TechZone™ Ceiling System
The linear slot supply diffuser shall be Krueger model 1900 with a 3/4" width of the sizes and frame styles shown on the drawings or job schedule. The 1900 shall be constructed of extruded aluminum with the maximum single length of 72". The linear diffuser shall be available with 1 through 4 slots.

The pattern controllers for the linear diffuser shall be extruded aluminum and have an "inverted T" appearance after installation into the slot diffuser. The pattern deflectors shall be held in place by a spring clip constructed of spring steel and be removable from the linear diffuser without the use of special tools. The maximum length of the pattern controllers is 36". For any unit longer than 36", the pattern controllers shall be in multiple sections.

Return models of the linear slot diffuser shall be made like the 1900 linear slot diffuser except without pattern controllers.

Optional plenum boot shall be provided by the manufacturer for use on the 1900 linear slot diffuser.

PERFORMANCE
The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH
The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

NOTE: TechZone™ is a registered trademark of Armstrong®.

SAMPLE CONFIGURATION: 1900 - 60 - 3 - 75 - S - E - F - 31

1900BOOT | Boot for Supply/Return Linear Slot Diffuser

KRUEGER
Excellence in Air Distribution

1900BOOT Suggested Specification & Configuration

1900BOOT
The plenum for 1900 linear slot supply diffuser shall be Krueger model 1900BOOT and designed to attach to 1900 series with 1/2", 3/4", 1", 1 1/2", or 2" slot width. The 1900BOOT shall be constructed of galvanized steel with factory drawn inlet to prevent air leakage and fit 1, 2, 3, or 4 slot units.

Optional performance baffle is available to enhance the throw performance by shortening the throw and increasing the spread.

Optional internal insulation is available.

Optional quadrant damper for field attachment to the neck is available.

1. SERIES: (XXXXXXXX)
1900BOOT - Boot for Linear Slot Diffuser

2. LENGTH: (XX)
24", 36", 48", 60", or 72"

3. NUMBER OF SLOTS: (X) *
1, 2, 3, or 4

4. SLOT WIDTH: (XX)
50 - 1/2" Spacing
75 - 3/4" Spacing
10 - 1" Spacing
15 - 1 1/2" Spacing
20 - 2" Spacing

5. INLET SIZE: (XX)
6", 8", 10", or 12" Oval

6. FRAME STYLE: (X)
A - T-Bar Ceiling Mount
B - Surface Mount with Screw Fastening
C - Surface Mount with Concealed Fastening
D - Plaster Tile Mount with Concealed Fastening
E - Surface Mount with Sub-frame and Concealed Fastening
F - "Discrete" Plaster Mount with Concealed Fastening
I - Spline Ceiling
J - Surface Mount with No Screw Holes
K - Narrow-T Ceiling Mount

7. END BORDER: (X)
E - End Cap, Both Ends
B - Butt Cut
P - End Plate, Both Ends

8. DAMPER: (XX)
00 - No Damper
21 - Quadrant Damper

9. ACCESSORIES: (XX) (XX)
00 - No Accessories
G - Baffle
H - Insulation

10. FINISH: (XX)
01 - Mill

** Contact Krueger for slot numbers greater than four slots.*

SAMPLE CONFIGURATION: 1900BOOT - 48 - 3 - 10 - 10 - C - E - 00 - H - 00 - 01