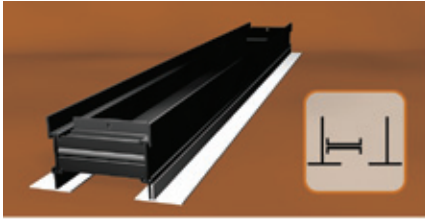


Linear Diffusers and Grilles



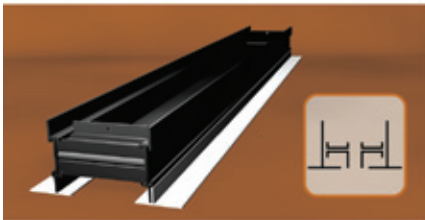
Continuous Slot Adjusta-slot (Horizontal Throw) AS Series

Price AS series Custom Flow linear is primarily designed to produce a strong horizontal air pattern. Slot widths from 1 in. to 3 in. are standard for both single and multi-slot units. Price AS series diffusers feature adjustable sliding pattern controller design, which allows for angular and vertical discharge. **A5**



T-bar Lay-in Adjusta-slot (Horizontal Throw) AST Series

Price AST series diffuser combines Adjusta-slot linear with an integrated plenum for T-bar Lay-in applications. It is designed to fit standard ceiling modules and is available in single or multi-slot units. Standard slot widths range from 1 in. to 3 in. and the sliding pattern controllers allow easy adjustment. **A17**



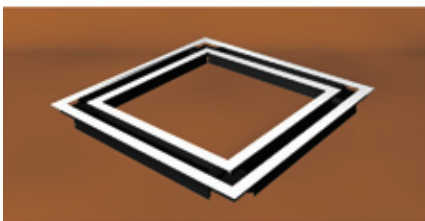
Continuous Slot Jet-slot (Vertical Throw) JS Series

Price JS series Custom Flow linear is primarily designed to produce an air pattern perpendicular to its face. Slot widths from 1 in. to 3 in. are standard for both single and multi-slot units. Price JS series diffusers feature adjustable sliding pattern controller design. Sliding pattern controllers allow for angular and even horizontal throws. **A6**



T-bar Lay-in Jet-slot (Vertical Throw) JST Series

Price JST series diffuser combines Jet-slot linear with an integrated plenum for T-bar Lay-in applications. Designed to fit standard ceiling modules, it is available in single or multi-slot units. Normal slot widths range from 1 to 3 inches. Insulated plenums are optional. **A17**



4 Way Adjusta-slot (Horizontal Throw) ASM Series

Price ASM series T-bar Lay-in diffuser consists of a single slot Adjusta-slot linear for 24 in. x 24 in. ceiling modules. A center acoustical tile (supplied by others) is placed in the center of the diffuser. Adjustable pattern controllers allow for 1, 2, 3, & 4 way air flows, ideal for office areas with changing tenants and layouts. Factory built plenum is included. **A19**

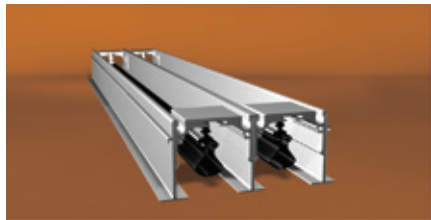


Custom Flow Specials

For curved applications, Price can supply either Adjusta-slot or Jet-slot in concave, convex, or flat curved construction. The design of Custom Flow allows for full pattern adjustment, even in curved configurations.

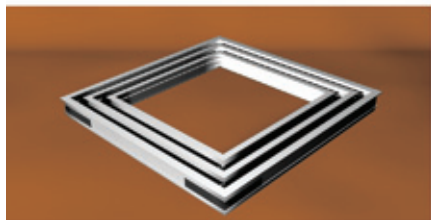
Adjusta-slot/Jet-slot **A21**

Contact your Price sales rep for your next complex design.



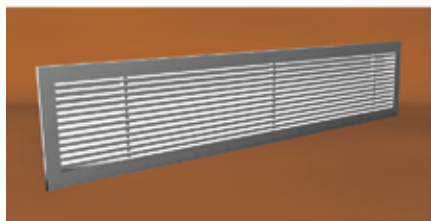
Linear Slot Diffusers SDS / SDR / SDB / SDA Series

Price SDS series linear slot diffusers offer high performance in a VAV outlet with 180° range of air pattern adjustment and complete flow rate control. These units are available in 1 to 10 slot configurations (1 piece construction) and three slot widths to suit capacity requirements. **A43**



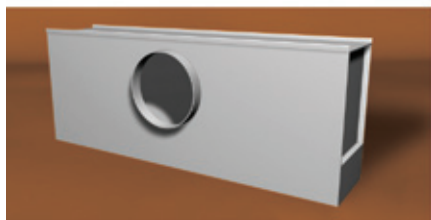
4 Way Linear Slot Diffusers SDS4 Series

Price SDS4 series 4 way diffusers combine the SDS linear slot diffuser and a factory fabricated plenum into a single assembly for T-bar installations. Each slot provides 180° air pattern adjustment and complete flow rate control. The design accepts a ceiling tile (by others) to match the ceiling system. Multiple slots are available. **A67**



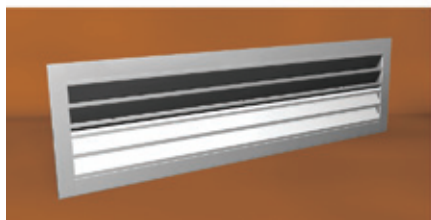
Linear Bar Grilles LBP / LBPH / LBM / LBMH Series

Price offers a complete selection of extruded aluminum linear bar grilles for clean, crisp styling and efficient air distribution. They are designed for installation in sidewall, sill or floor and can be used for supply or return air. Price linear bar grilles combine architectural beauty with performance and versatility. A variety of construction levels, core styles, borders, and finishes are available. **A69**



Universal Plenums UP / UPL Series

Price UP/UPL series plenums are designed to fit Custom Flow SDS and linear bar products. The plenums are constructed from coated steel and are offered in different height and inlet configurations. **A88**



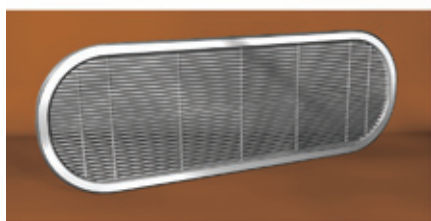
Linear Vane Diffusers LV Series

Price LV series diffusers are suitable for supply and return applications in ceilings and sidewalls. Designed for use in continuous lengths, the fixed louvers of the LV series provide positive air deflection in either 1 way or 2 way patterns. A removable core is standard on both models. **A90**



Linear Enclosures LE Series

Price LE series enclosures are customized aluminum enclosures to provide attractive, functional linear designs suitable for convectors, radiators and forced air heating. They are available as floor supported, wall mounted or freestanding units. **A94**



Special Manufacture Linear Products

Price has built an enviable reputation as a qualified designer and dependable supplier of special manufactured linear diffusers and grilles. **A96**



CUSTOM FLOW

HIGH CAPACITY ARCHITECTURAL LINEAR DIFFUSER

Price Custom Flow is specially engineered to meet the stringent needs of applications that require engineered air performance and clean integration with architectural elements. Robust, extruded aluminum construction ensures that continuous runs are straight and true.

Complex shapes, curves and concealed mounting options for the most demanding applications.



Rigid extruded frames for clean lines



Concealed mounting optimizes architectural integration



An endless variety of shapes and configurations

Adjusta-slot Custom Flow Linear (Horizontal Throw) **PRICE** Application Guidelines

Overview

Price Custom Flow linear diffusers are specifically designed for the most demanding architectural and performance applications. These units are constructed of extruded aluminum for the crisp, clean appearance demanded of a premium linear product. The Custom Flow series is offered in a wide range of mounting styles and is adaptable to most applications. This series of diffusers is available in two basic air pattern configurations: horizontal (Adjusta-slot) and vertical (Jet-slot). Custom Flow is available in straight and curved sections with various mounting arrangements in drywall and T-bar ceiling systems.

Adjusta-slot — Continuous Slot Linear

The Price AS series linear is primarily designed for ceiling installations requiring horizontal air patterns. This unit produces a strong, even air pattern parallel to its face, utilizing the ceiling (Coanda) effect to hold its pattern at a wide range of air flows. A continuous application would typically be at the perimeter of a zone in which a large air volume must be introduced as inconspicuously as possible. The design of these units makes them particularly suitable for open office perimeter zones, main floor entrance foyers and lobbies, elevator lobbies, conference rooms, mall atriums and theatres.

Adjusta-slot — Engineered Plenum

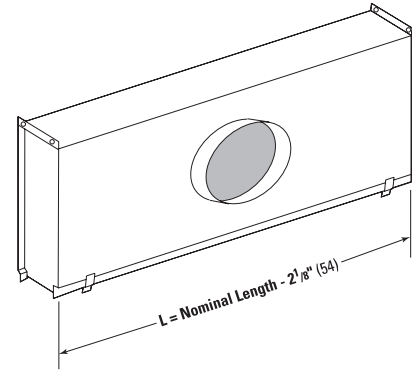
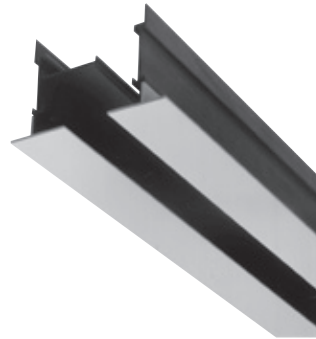
Price AS series diffusers are available with factory built and tested plenum assemblies in various sizes. These are available in uninsulated and insulated versions. **Price ASP/ASPI engineered plenums must be used in all ducted applications to assure catalogued performance.**

Adjusta-slot — T-bar Lay-in

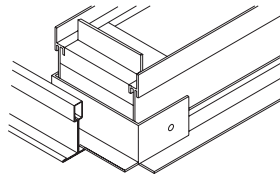
The Price AST series diffusers are designed to be installed between two T-bars, which allows the designer to maintain a linear slot appearance in standard T-bar modules. This high capacity diffuser, with engineered plenum and fully adjustable pattern controllers, is an excellent selection for VAV applications in interior spaces.

Adjusta-slot — 4 Sided Diffuser Price ASM Series diffuser is a square, T-bar Lay-in ceiling diffuser that consists of a single slot Adjusta-slot linear at the perimeter of a 24 in. x 24 in. ceiling module with center acoustical tile. The ASM comes complete with its own factory built plenum. This unit is intended for applications requiring a square Lay-in diffuser with high performance and minimal visibility.

AS Series Plenum Patented



AST Series

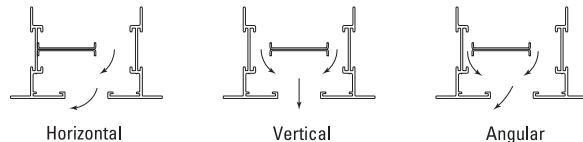


ASM Series



Pattern Controller Options

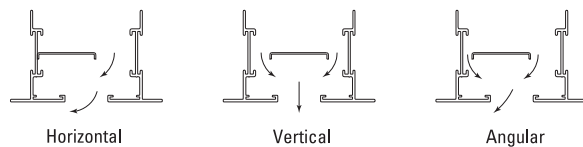
DPC - Dual Layer Pattern Controllers Pattern Adjustments



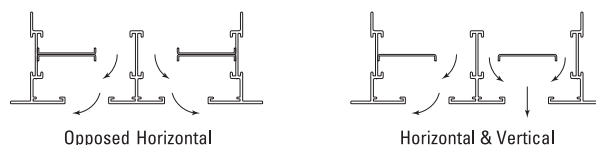
DPC - Volume Adjustments

- Fully Open
- Partially Dampered
- Shutoff

SPC - Single Layer Pattern Controllers Pattern Adjustments (no volume control available)



• Two Slot Adjustment May Also Differ For Each Slot:



Jet-slot Custom Flow Linear (Vertical Throw) Application Guidelines



LINEAR DIFFUSERS AND GRILLES

Overview

Price CUSTOM FLOW linear diffusers are specifically designed for most demanding architectural and performance applications. These units are constructed of extruded aluminum for the crisp, clean appearance demanded of a premium linear product. The Custom Flow series is offered in a wide range of mounting styles and is adaptable to most applications. This series of diffusers is available in two basic air pattern configurations, horizontal (Adjusta-slot) and vertical (Jet-slot). Custom Flow is available in straight and curved sections with various mounting arrangements in drywall and T-bar ceiling systems.

Jet-slot – Continuous Slot Linear

The JET SLOT diffuser is similar in appearance to the Adjusta-slot but is designed to provide an air pattern perpendicular to its face (i.e. a strong vertical projection). Typical applications for this diffuser include projecting conditioned air down a high perimeter window where it is necessary to reach the floor to prevent stagnant zones, as well as interior zones with unusually high ceilings, such as auditoriums, entrance foyers, mall atriums, convention centers and theaters. With the optional dual-layer pattern controllers a variable nozzle-like aperture is provided to adjust performance to specific applications.

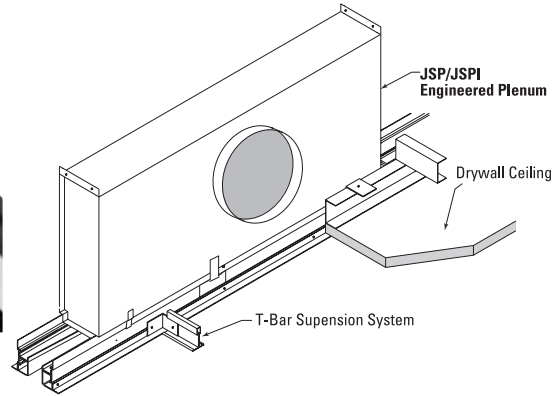
Jet-slot – Engineered Plenum

Price JS series diffusers are available with factory built and tested plenum assemblies in various sizes. These are available in un-insulated and insulated versions. **Price JSP/JSPI engineered plenums must be used in all ducted applications to assure catalogued performance.**

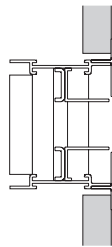
Jet-slot – T-bar Lay-in

The Price JST series diffusers are also available for Lay-in style, suitable for most T-bar suspension systems. This configuration allows the Jet-slot to be used in perimeter T-bar applications or in interior zones with high ceilings where the Lay-in installation is required in a diffuser with vertical throw. JST diffusers are supplied with compatible engineered plenums.

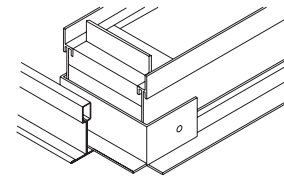
JS Series Plenum Patented



JS Series Sidewall

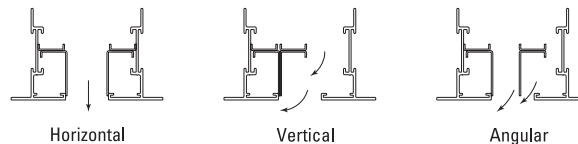


JST Series

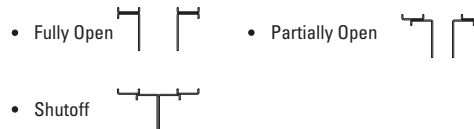


Pattern Controller Options

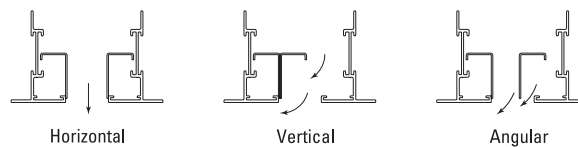
DPC - Dual Layer Pattern Controllers Pattern Adjustments



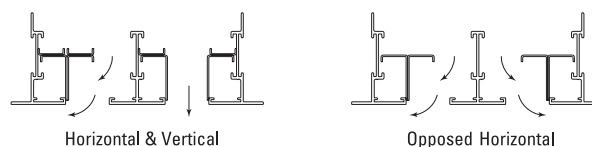
DPC - Volume Adjustments



SPC - Single Layer Pattern Controllers Pattern Adjustments (no volume control available)



• Two Slot Adjustment May Also Differ For Each Slot:



Custom Flow Linear

Adjusta-slot / Jet-slot

AS / JS Series

Product Information

AS Models

1 in. [25] Slot Width	AS210
1½ in. [38] Slot Width	AS215
2 in. [51] Slot Width	AS220
2½ in. [63] Slot Width	AS225
3 in. [76] Slot Width	AS230

JS Models

1 in. [25] Slot Width	JS210
1½ in. [38] Slot Width	JS215
2 in. [51] Slot Width	JS220
2½ in. [63] Slot Width	JS225
3 in. [76] Slot Width	JS230

Continuous Linear

The **Price Adjusta-slot** continuous linear application provides the ultimate in design flexibility due to its wide capacity range and fully adjustable air pattern control. The aesthetically pleasing lines and architectural appeal of the Adjusta-slot make it ideal for integration into architectural ceiling suspension systems.

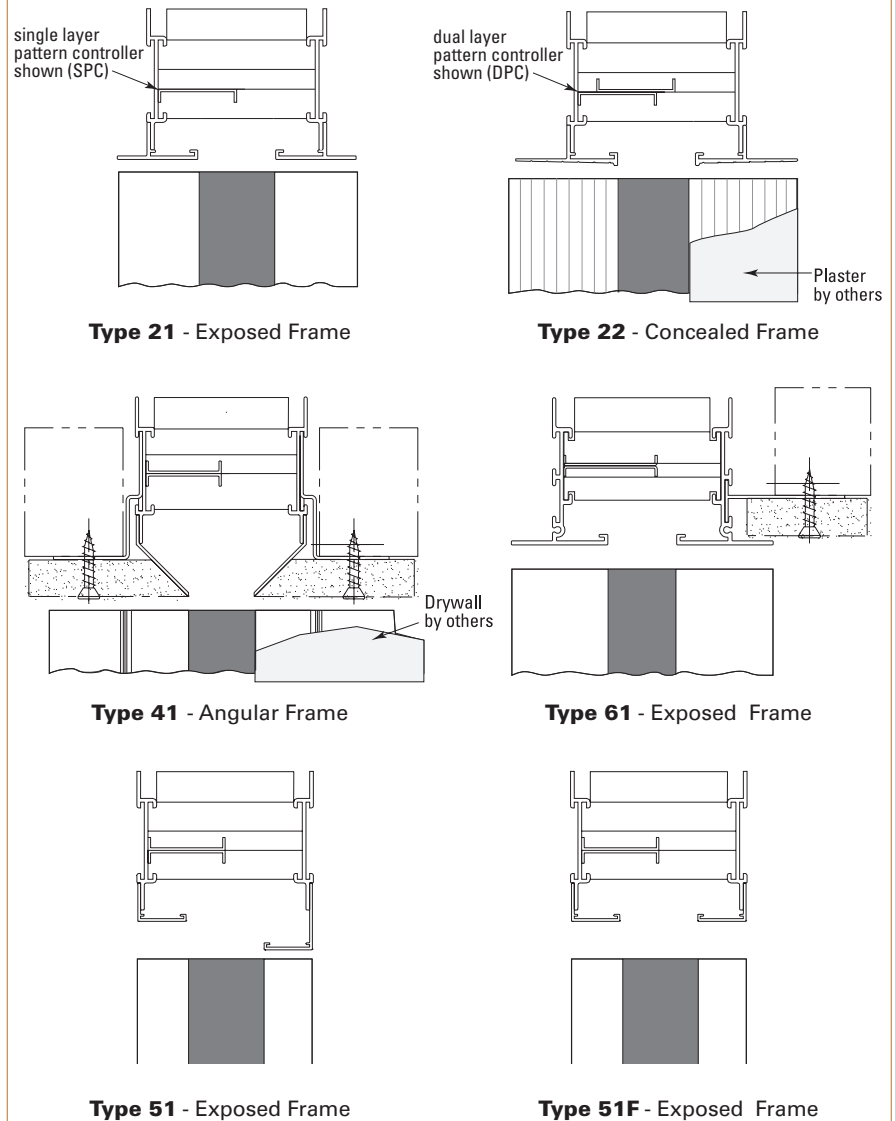
The **Price Jet-slot** continuous slot diffusers are uniquely designed to direct air vertically for ceiling applications and horizontally for wall applications.

Custom Flow offers a choice of extruded aluminum frames that can be installed with a visible flange or with a tapered flange which, when installed with standard drywall finishing techniques, conceal the frame leaving only the slot visible. This high capacity diffuser can be selected in various slot widths to meet the designer's performance requirements.

Adjusta-slot / Jet-slot is installed with the ceiling suspension system, connecting directly to the support members to provide a rigid, continuous suspension system.

- Choice of adjustable sliding pattern controller configurations, both AS and JS series offered with single (SPC) or dual (DPC) layer pattern controllers. Dual layer pattern controllers (DPC) allow for volume control and shutoff, while single layer pattern controllers (SPC) allow for pattern adjustment only.
- All frames are available as single-slot units. Two slot units available with frames 21, 22, and 61.
- Standard single slot widths 1 in. [25], 1/2 in. [38], 2 in. [51], 2½ in. [63], 3 in. [76]. Multi-slot units also available.
- Pattern controllers are sectioned every 24 in. for total adjustment flexibility (optional).
- Available in fully functional curved sections for wall and ceiling applications.
- Various end connections are available, including mitered ends and mitered corners.

AS Series - Frame Options



Patented

✓ Product Selection Checklist

- 1) Select Unit Length based on installation / performance requirements.
- 2) Select Model by Slot Width.
- 3) Select Number of Slots based on desired performance characteristics.
- 4) Select Border Type according to installation requirements.
- 5) Select End Configuration(s).
- 6) Select Accessories, as required.
- 7) Select Finish.

Example: 96 in. / AS210 / 1 / 21 / ZZ / B12

Custom Flow Linear

Adjusta-slot / Jet-slot

AS / JS Series



Product Information

- Extruded aluminum construction with steel pattern controllers.
- Unique construction allows job site modifications and trimming by disassembly and reassembly.
- Continuous installations with drywall and suspended acoustical ceiling systems. Various installation details are shown in this section.
- Fits Price Universal Plenums, (UP/UPL models).

Available Sizes

Custom Flow is available in single piece construction in up to 120 in. in length. Longer measurements will be constructed in multiple sections to be joined on site.

Finish

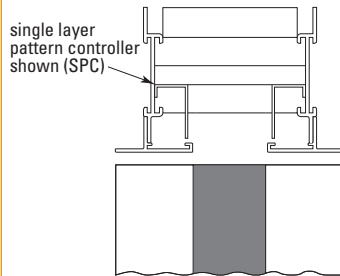
Face – White Powder Coat
Interior – Black (optional)

B12

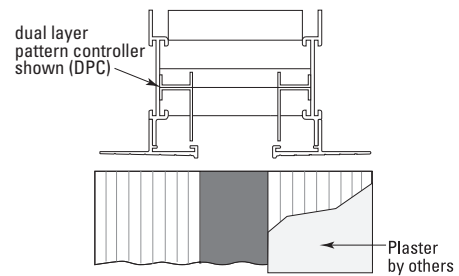
B17

For optional and special finishes see color matrix.

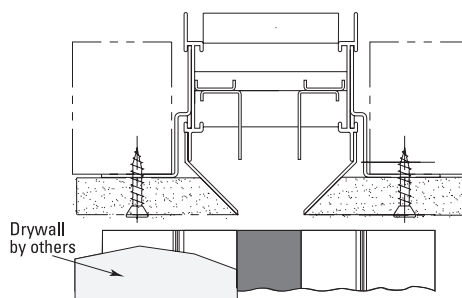
JS Series - Frame Options



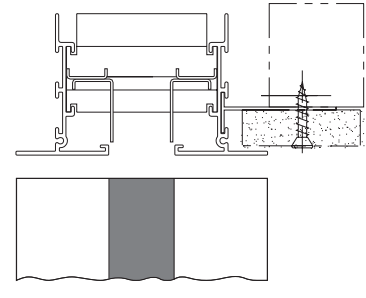
Type 21 - Exposed Frame



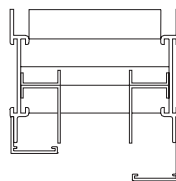
Type 22 - Exposed Frame



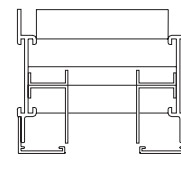
Type 41 - Angular Frame



Type 61 - Exposed Frame



Type 51 - Exposed Frame



Type 51F - Exposed Frame

Patented

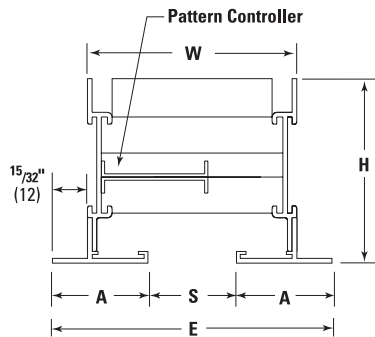
✓ Product Selection Checklist

- 1] Select Unit Length based on installation / performance requirements.
- 2] Select Model by Slot Width.
- 3] Select Number of Slots based on desired performance characteristics.
- 4] Select Border Type according to installation requirements.
- 5] Select End Configuration(s).
- 6] Select Accessories, as required.
- 7] Select Finish.

Example: 96 in. / JS210 / 1 / 21 / ZZ / B12

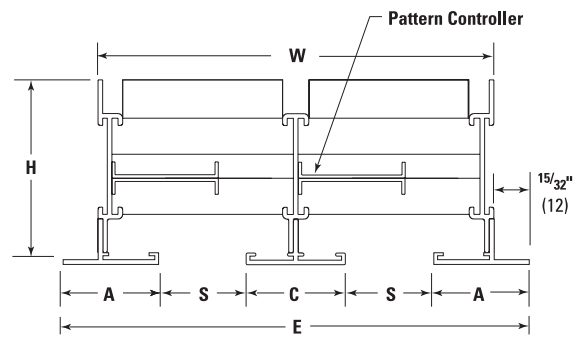
Standard Borders (AS Series shown)

Type 21 - Exposed Frame Drywall (ceiling, wall), T-bar



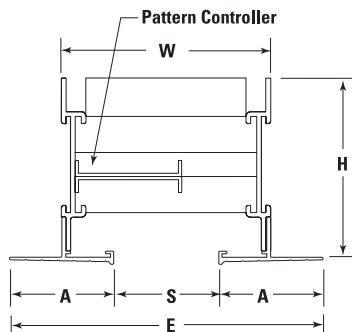
For continuous, 1-slot application

Type 21 - Exposed Frame Drywall (ceiling, wall), T-bar



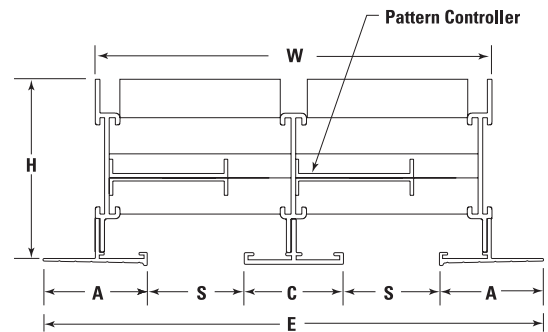
For continuous, 2-slot application

Type 22 - Concealed Frame Drywall (ceiling, wall)



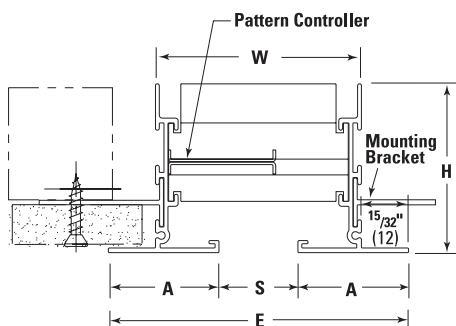
For continuous, 1-slot application

Type 22 - Concealed Frame Drywall (ceiling, wall)



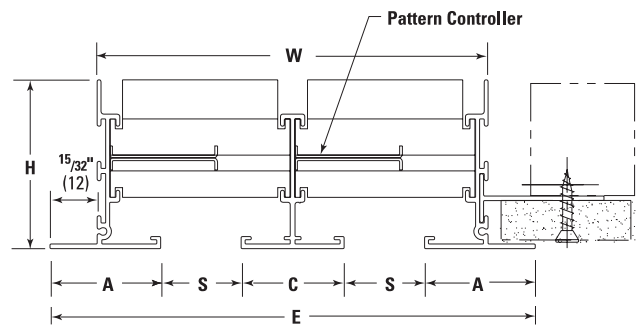
For continuous, 2-slot application

Type 61SM - Drywall (ceiling)



For continuous, 1-slot application

Type 61SM - Drywall (ceiling)



For continuous, 2-slot application

Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series



Dimensional Data

Imperial (in.)

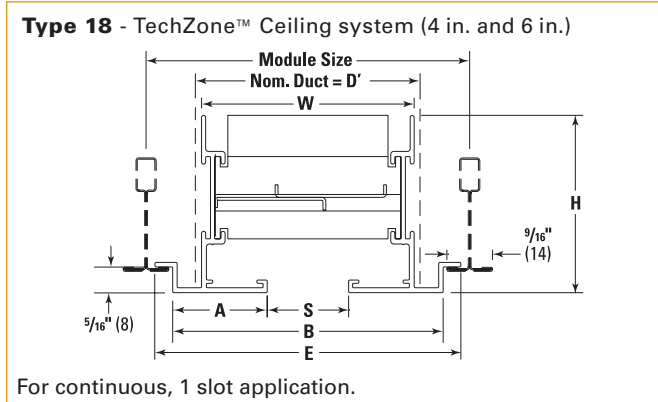
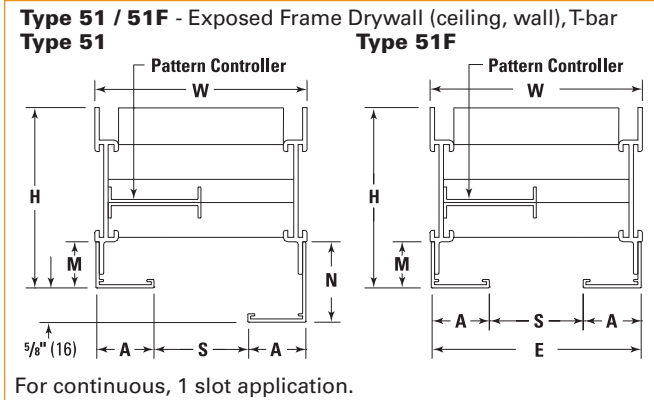
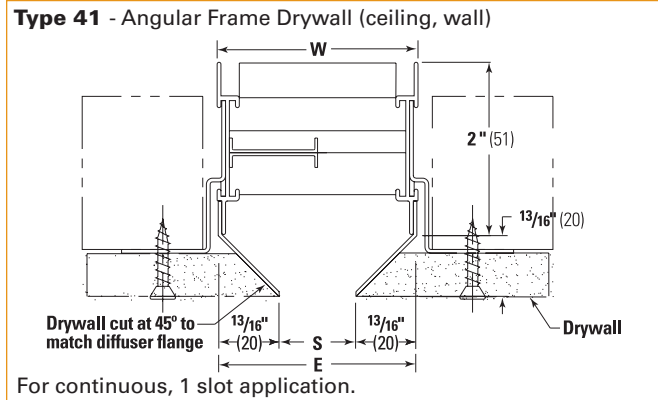
Model	S Slot	Type 21 A	Type 61SM A	Type 22 A	C	H	1 Slot				2 Slot			
							W	Type 21 E	Type 22 E	Type 61SM E	W	Type 21/31 E	Type 22 E	Type 61SM E
AS210/JS210	1"	1 ⁹ / ₃₂ "	1 ¹³ / ₃₂ "	1 ⁵ / ₈ "	1 ⁵ / ₁₆ "	2 ⁹ / ₁₆ "	2 ⁵ / ₈ "	3 ⁹ / ₁₆ "	4 ¹ / ₄ "	3 ¹³ / ₁₆ "	5"	5 ¹⁵ / ₁₆ "	6 ⁵ / ₈ "	6 ³ / ₁₆ "
AS215/JS215	1 ¹ / ₂ "	1 ¹⁷ / ₃₂ "	1 ²¹ / ₃₂ "	1 ⁷ / ₈ "	1 ¹³ / ₁₆ "	2 ⁷ / ₁₆ "	3 ⁵ / ₈ "	4 ⁹ / ₁₆ "	5 ¹ / ₄ "	4 ¹³ / ₁₆ "	7"	7 ¹⁵ / ₁₆ "	8 ⁵ / ₈ "	8 ³ / ₁₆ "
AS220/JS220	2"	1 ²⁵ / ₃₂ "	1 ²⁹ / ₃₂ "	2 ¹ / ₈ "	2 ⁵ / ₁₆ "	2 ¹¹ / ₁₆ "	4 ⁵ / ₈ "	5 ⁹ / ₁₆ "	6 ¹ / ₄ "	5 ¹³ / ₁₆ "	9"	9 ¹⁵ / ₁₆ "	10 ⁵ / ₈ "	10 ³ / ₁₆ "
AS225/JS225	2 ¹ / ₂ "	2 ¹ / ₃₂ "	2 ⁵ / ₃₂ "	2 ³ / ₈ "	2 ¹³ / ₁₆ "	2 ¹⁵ / ₁₆ "	5 ⁵ / ₈ "	6 ⁹ / ₁₆ "	7 ¹ / ₄ "	6 ¹³ / ₁₆ "	11"	11 ¹⁵ / ₁₆ "	12 ⁵ / ₈ "	12 ³ / ₁₆ "
AS230/JS230	3"	2 ⁹ / ₃₂ "	2 ¹³ / ₃₂ "	2 ⁵ / ₈ "	3 ⁵ / ₁₆ "	3 ³ / ₁₆ "	6 ⁵ / ₈ "	7 ⁹ / ₁₆ "	8 ¹ / ₄ "	7 ¹³ / ₁₆ "	13"	13 ¹⁵ / ₁₆ "	14 ⁵ / ₈ "	14 ³ / ₁₆ "

Metric (mm)

Model	S Slot	Type 21 A	Type 61SM A	Type 22 A	C	H	1 Slot				2 Slot			
							W	Type 21 E	Type 22 E	Type 61SM E	W	Type 21/31 E	Type 22 E	Type 61SM E
AS210/JS210	25	32	136	41	33	56	67	91	108	97	127	151	168	157
AS215/JS215	38	39	42	48	46	61	92	116	133	122	178	202	219	208
AS220/JS220	51	45	48	54	59	68	119	141	159	148	229	252	270	259
AS225/JS225	63	52	55	60	71	74	143	167	184	173	279	303	321	310
AS230/JS230	76	58	61	67	84	80	168	192	210	198	330	354	371	360

For other border types contact you Price sales rep.

Standard Borders (AS Series shown)



Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series



Dimensional Data

Imperial (in.)

Model	Module Size	No. Slots	Type 18						
			S	H	W	A	B	E	D
AS210/JS210	4 in.	1	1	2 ³ / ₁₆ "	2 ⁵ / ₈ "	1 ³ / ₁₆ "	3 ⁵ / ₁₆ "	3 ³ / ₄ "	2 ⁷ / ₈ "
AS210/JS210	6 in.	1	1	2 ³ / ₁₆ "	2 ⁵ / ₈ "	2 ³ / ₁₆ "	5 ⁵ / ₁₆ "	5 ³ / ₄ "	2 ⁷ / ₈ "
AS210/JS210	6 in.	2	1	2 ³ / ₁₆ "	5"	1"	5 ⁵ / ₁₆ "	5 ³ / ₄ "	5 ³ / ₁₆ "
AS215/JS215	6 in.	1	1 ¹ / ₂ "	2 ⁷ / ₁₆ "	3 ⁵ / ₈ "	1 ¹⁵ / ₁₆ "	5 ⁵ / ₁₆ "	5 ³ / ₄ "	3 ⁷ / ₈ "
AS220/JS220	6 in.	1	2"	2 ¹¹ / ₁₆ "	4 ⁵ / ₈ "	1 ¹¹ / ₁₆ "	5 ⁵ / ₁₆ "	5 ³ / ₄ "	4 ⁷ / ₈ "

Model	Type S Slot	Type 51/51F A	H	M	N	W	Type 41W
AS210/JS210	1"	1 ³ / ₁₆ "	2 ³ / ₁₆ "	9 ⁹ / ₁₆ "	1 ³ / ₁₆ "	2 ⁵ / ₈ "	2 ⁵ / ₈ "
AS215/JS215	1 ¹ / ₂ "	1 ¹ / ₁₆ "	2 ⁷ / ₁₆ "	1 ³ / ₁₆ "	1 ⁷ / ₁₆ "	3 ⁵ / ₈ "	3 ¹ / ₈ "
AS220/JS220	2"	1 ⁵ / ₁₆ "	2 ¹¹ / ₁₆ "	1 ¹ / ₈ "	1 ³ / ₄ "	4 ⁵ / ₈ "	3 ⁵ / ₈ "
AS225/JS225	2 ¹ / ₂ "	1 ⁹ / ₁₆ "	2 ¹⁵ / ₁₆ "	1 ⁵ / ₁₆ "	2"	5 ⁵ / ₈ "	4 ¹ / ₈ "
AS230/JS230	3"	1 ¹³ / ₁₆ "	3 ³ / ₁₆ "	1 ⁹ / ₁₆ "	2 ² / ₁₆ "	6 ⁵ / ₈ "	4 ⁵ / ₈ "

Metric (mm)

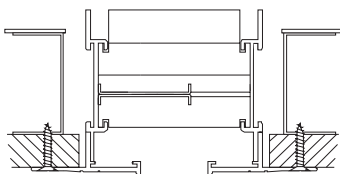
Model	Model Size	No. Slots	Type 18						
			S	H	W	A	B	E	D
AS210/JS210	4 in.	1	25	56	67	30	85	96	73
AS210/JS210	6 in.	1	25	56	67	55	136	147	73
AS210/JS210	6 in.	2	25	56	127	25	136	147	132
AS215/JS215	6 in.	1	38	62	92	49	136	147	92
AS220/JS220	6 in.	1	51	68	117	42	136	147	124

Model	Type S Slot	Type 51/51F A	H	M	N	W	Type 41W
AS210/JS210	25	21	56	15	31	67	67
AS215/JS215	38	27	61	21	37	92	79
AS220/JS220	51	33	68	28	44	119	92
AS225/JS225	63	40	74	34	50	143	105
AS230/JS230	76	46	80	40	56	168	119

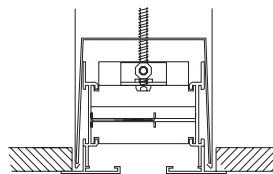
For other border types contact your Price sales rep.

Mounting Options

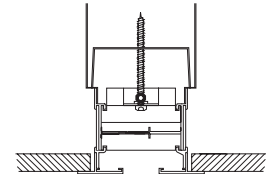
Mounting Options - While Custom Flow diffusers may be suspended by tying the spacer bar to the structure, other mounting types are also available.



A Mounting - Countersunk screwholes for use with drywall screws by others. Screw holes are located every 8 - 12 in.. Available only with Type 22.



C Mounting - Permits surface mounting with concealed screw. The bracket hooks into the hem of a plenum by others. Available on Types 21 and 22.

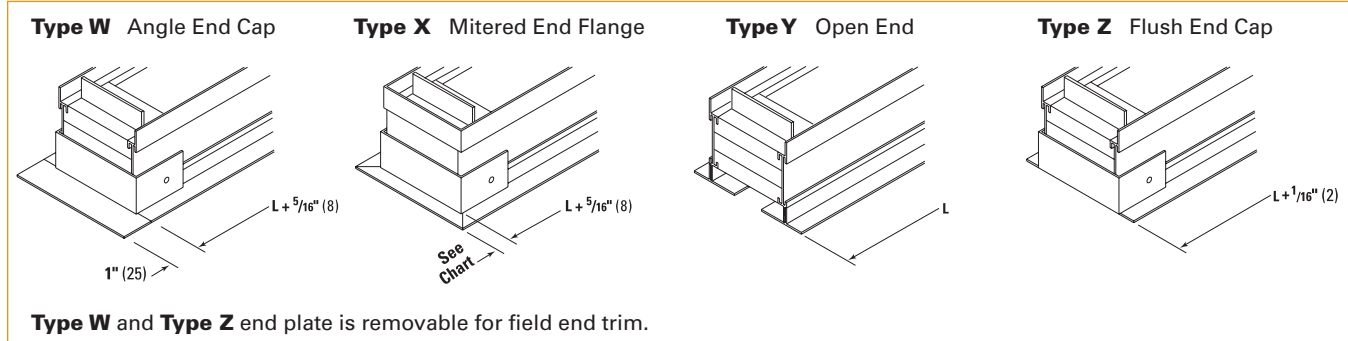


P Mounting - Permits surface mounting with concealed screw. The bracket is attached to a Price engineered plenum (ASP/JSP). Not suitable for use with UP or UPL plenums. Available on Types 21 and 22.

Custom Flow Linear Adjusta-slot / Jet-Slot AS / JS Series



End Configurations



Diffuser Face Length Overall

Imperial (in.)

Border	W W	W Y	X X	X Y	Y Y	Z Y	Z Z
Type 21 /21P /21C	L + 2 in.	L + 1 in.	L + 1 ¹ / ₁₆ in.	L + 1 ¹⁷ / ₃₂ in.	L	L + 1 ¹ / ₁₆ in.	L + 1 ¹ / ₈ in.
Type 22	-	-	L + 1 ³ / ₄ in.	L + 1 ⁷ / ₈ in.	L	L + 1 ¹ / ₁₆ in.	L + 1 ¹ / ₈ in.
Type 41	-	-	-	-	L	L + 1 ¹ / ₁₆ in.	L + 1 ¹ / ₈ in.
Type 21 LI	L - 1 ¹ / ₄ in.	-	L - 1 ¹ / ₄ in.	-	-	-	L - 1 ¹ / ₄ in.
Type 21 SM	L + 1 ¹ / ₄ in.	-	L + 1 ¹ / ₄ in.	-	-	-	-
Type 22 SM /22ASM	-	-	L + 1 in.	-	-	-	-
Type 61 SM	L + 1 ¹ / ₄ in.	-	L + 1 ¹ / ₂ in.	-	-	-	-
Type 18	-	-	-	-	-	-	L - 5 ¹ / ₈ in.

Standard Face Overall (Y Y) L = 120 in., 96 in., 60 in., 48 in. and 24 in.

Metric (mm)

Border	W W	W Y	X X	X Y	Y Y	Z Y	Z Z
Type 21 /21P /21C	L + 50mm	L + 25mm	L + 29mm	L + 13mm	L	L + 2mm	L + 3mm
Type 22	-	-	L + 44mm	L + 22mm	L	L + 2mm	L + 3mm
Type 41	-	-	-	-	L	L + 2mm	L + 3mm
Type 21 LI	L - 6mm	-	L - 6mm	-	-	-	L - 6mm
Type 21 SM	L + 32mm	-	L + 6mm	-	-	-	-
Type 22 SM /22ASM	-	-	L + 25mm	-	-	-	-
Type 61 SM	L + 32mm	-	L + 13mm	-	-	-	-
Type 18	-	-	-	-	-	-	L - 16mm

Standard Face Overall (Y Y) L = 3048, 2438, 1524, 1219 and 609

Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series



Ceiling Opening

Imperial (in.)

Border	WW	WY	XX	XY	YY	ZY	ZZ
Type 21 /21P/21C	L + 3/4 in.	L + 7/16 in.	L + 3/4 in.	L + 7/16 in.	L + 1/8 in.	L + 3/16 in.	L + 1/4 in.
Type 22	-	-	L + 3/4 in.	L + 7/16 in.	L + 1/8 in.	-	-
Type 41	-	-	-	-	L + 1/8 in.	L + 3/16 in.	L + 1/4 in.
Type 21 LI	-	-	-	-	-	-	-
Type 21SM/61SM	L	-	L	-	-	-	-
Type 22SM/22ASM	-	-	L	-	-	-	-

Metric (mm)

Border	WW	WY	XX	XY	YY	ZY	ZZ
Type 21 /21P/21C	L + 19mm	L + 11mm	L + 19mm	L + 11mm	L + 3mm	L + 5mm	L + 6mm
Type 22	-	-	L + 19mm	L + 11mm	L + 3mm	-	-
Type 41	-	-	-	-	L + 3mm	L + 5mm	L + 6mm
Type 21 LI	-	-	-	-	-	-	-
Type 21SM/61SM	L	-	L	-	-	-	-
Type 22SM/22ASM	-	-	L	-	-	-	-

Optional Corners

MC 90°

90° Corner

MC 135°

135° Corner

MC 3W

3 Way Intersection

MC 4W

4 Way Intersection

Note: 3 Way and 4 Way intersections are not available in multi-slot.

LINEAR DIFFUSERS AND GRILLES

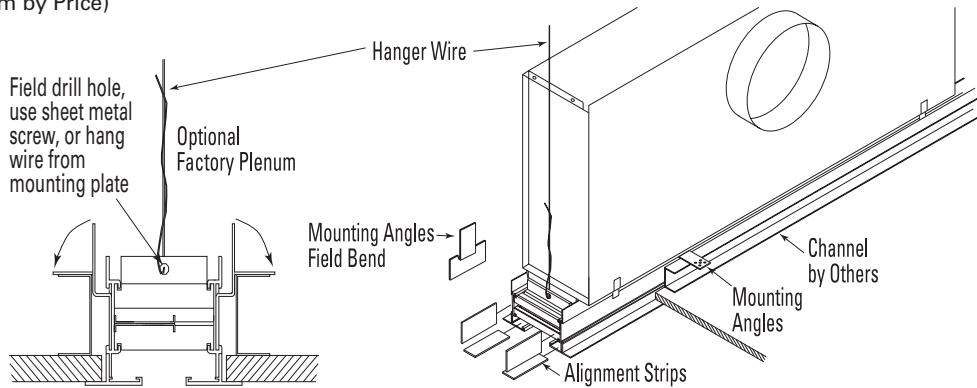
Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series



LINEAR DIFFUSERS AND GRILLES

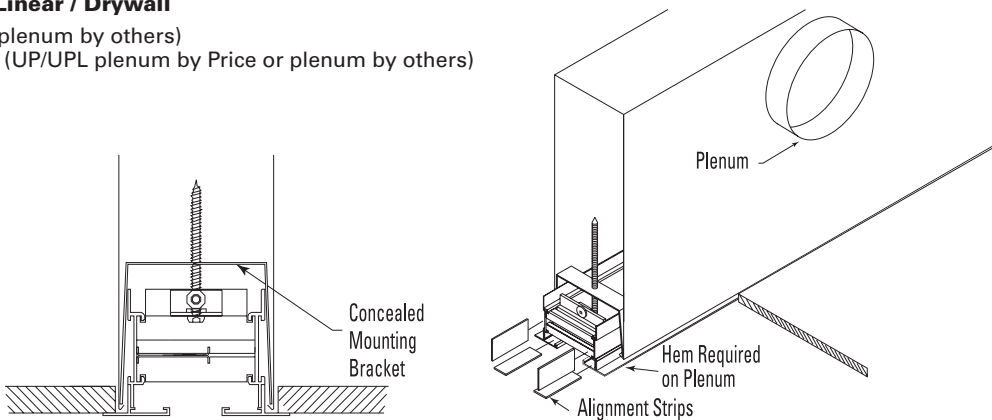
Details with Drywall

Type 21 Drywall / Linear / Drywall (ASP/JSP plenum by Price)



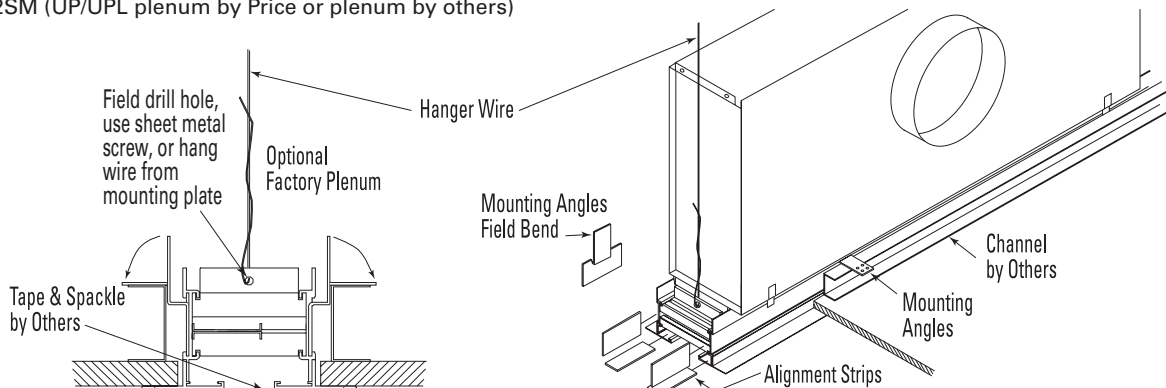
Type 21C / 21SM Drywall / Linear / Drywall

Type 21C (plenum by others)
Type 21SM (UP/UPL plenum by Price or plenum by others)



Type 22 / 22SM Drywall / Linear / Drywall

Type 22 (ASP/JSP plenum by Price)
Type 22SM (UP/UPL plenum by Price or plenum by others)

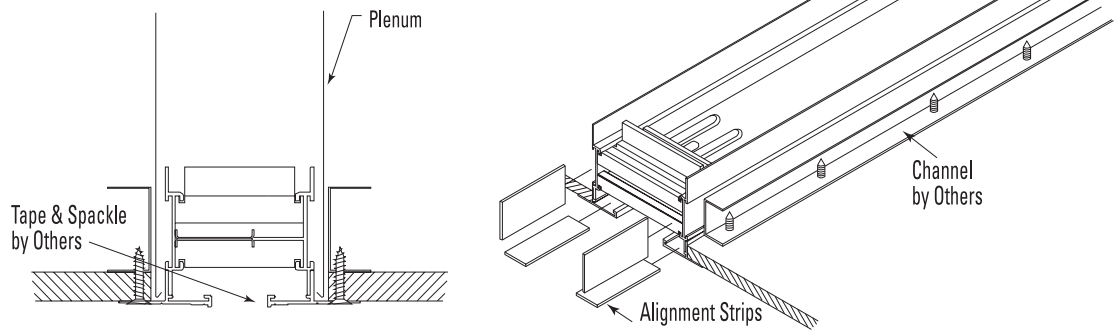


Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series

Details with Drywall (Continued)

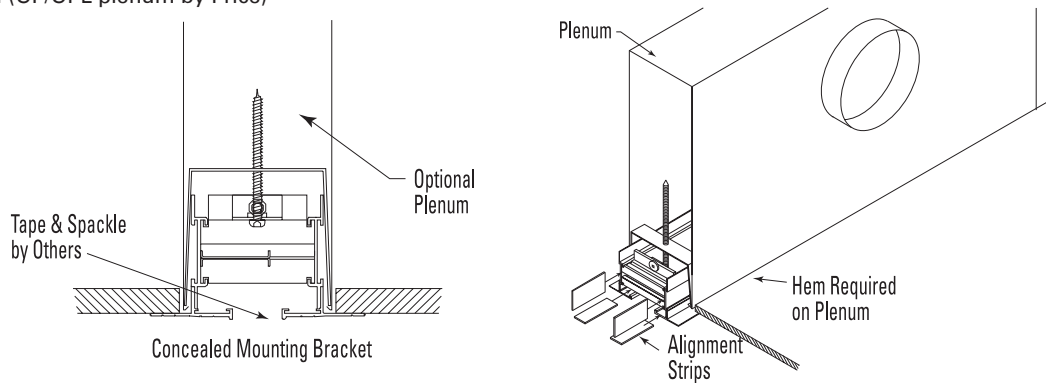
Type 22A / 22ASM Drywall / Linear / Drywall

Type 22A (ASP/JSP plenum by Price)
Type 22ASM (UP/UPL plenum by Price or plenum by others)



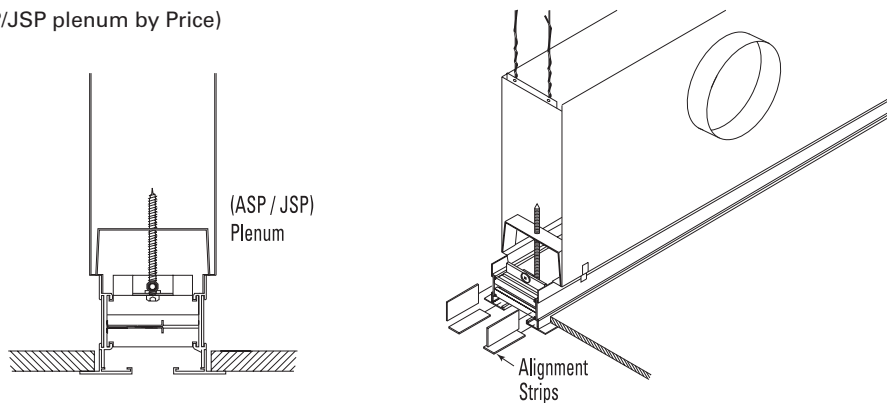
Type 22C / 22SM Drywall / Linear / Drywall

Type 22C (plenum by others)
Type 22SM (UP/UPL plenum by Price)



Type 21P / 22P Drywall / Linear / Drywall

Type 21P / 22P (ASP/JSP plenum by Price)



Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series

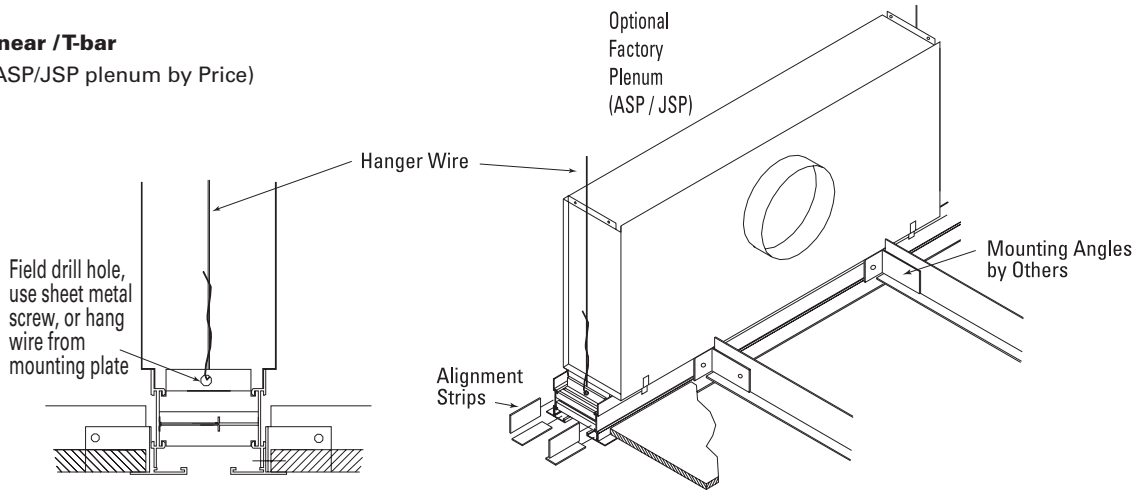


Details with T-bar

LINEAR DIFFUSERS AND GRILLES

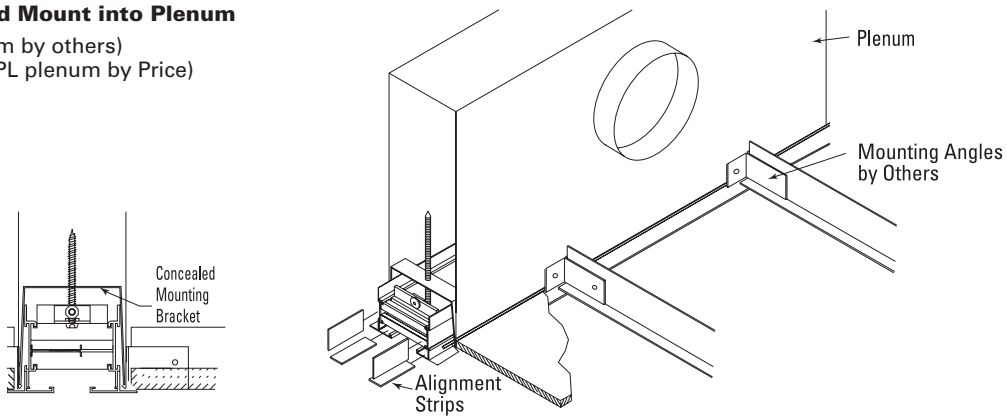
Type 21 T-bar / Linear / T-bar

Type 21 (ASP/JSP plenum by Price)

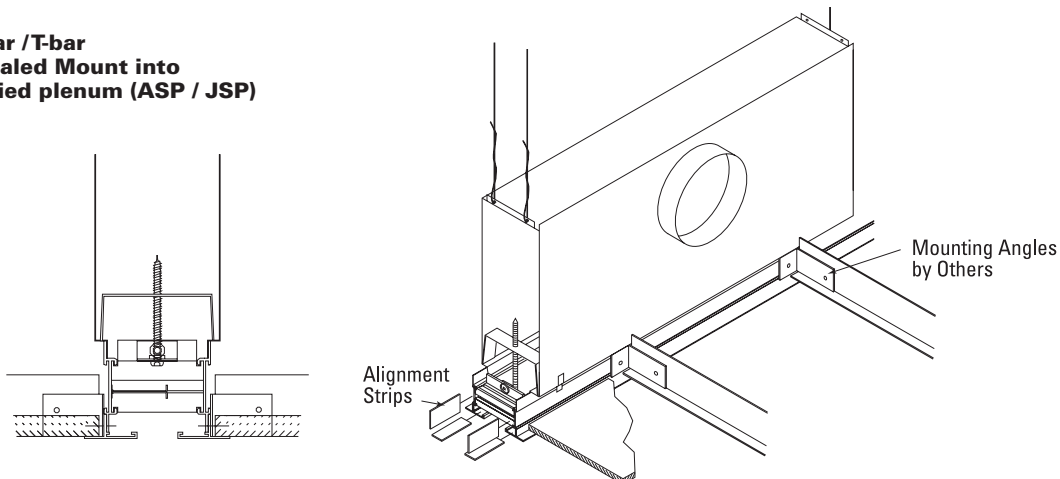


Type 21C / 21LI T-bar / Linear / T-bar with Concealed Mount into Plenum

Type 21C (Plenum by others)
Type 21LI (UP/UPL plenum by Price)



Type 21P T-bar / Linear / T-bar with Concealed Mount into Price supplied plenum (ASP / JSP)

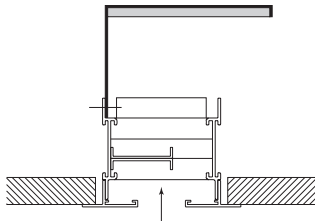


Custom Flow Linear Adjusta-slot / Jet-slot AS / JS Series



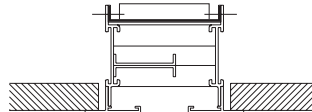
Accessories

Return Air - Optional Sight Baffle



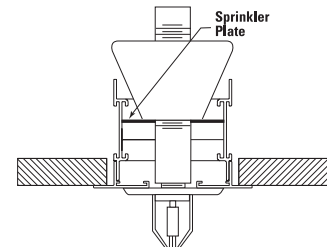
RB 210, 215, 220, 225, 230
Insulated RBI 210, 215, 220, 225, 230
Supplied loose in 96 in. [2438] lengths

Blank-Off



MB 210, 215, 220, 225, 230
Supplied loose in 96 in. [2438] lengths

Sprinkler Plate



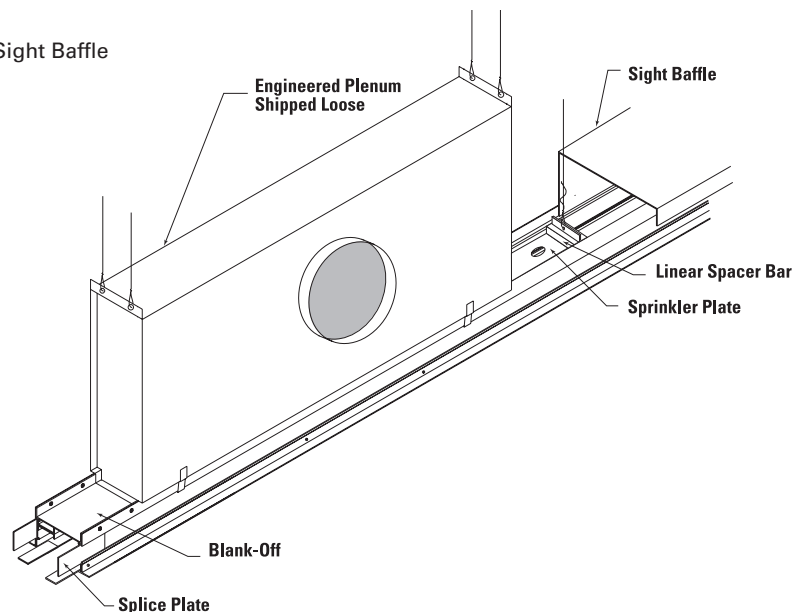
For details contact Price Representative.

Assembly

Diffuser with Engineered Plenum, Blank-Off and Sight Baffle

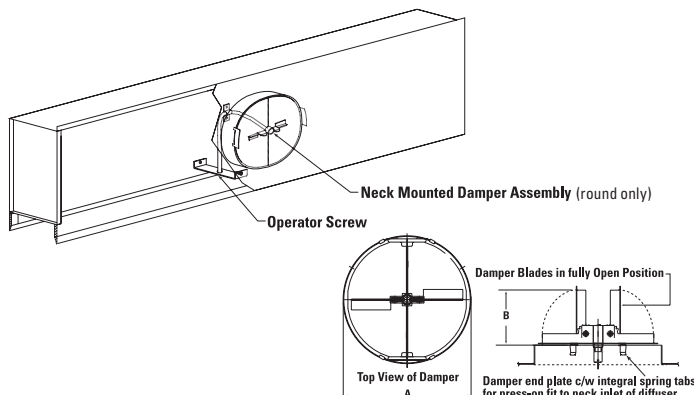
Recommended Installation

When supply air plenum end caps are not positioned directly over the linear spacer bar, install MB Blank-Off from plenum end cap to next spacer bar.



VCR8EC Butterfly-type volume control damper kit.

Damper mounts directly to plenum inlet neck (round only). The bracket with operator screw mounts inside the plenum above the diffuser.



		Dimensions = in.								
		NOMINAL SIZES								
		4"	5"	6"	7"	8"	10"	12"	14"	15"
A		3 ⁷ / ₈	4 ⁷ / ₈	5 ⁷ / ₈	6 ⁷ / ₈	7 ⁷ / ₈	9 ⁷ / ₈	11 ⁷ / ₈	13 ⁷ / ₈	14 ⁷ / ₈
B		1 ³ / ₄	2 ¹ / ₄	2 ³ / ₄	3 ¹ / ₄	3 ³ / ₄	4 ³ / ₄	5 ³ / ₄	6 ³ / ₄	7 ¹ / ₄

		Dimensions = mm								
		NOMINAL SIZES								
		4"	5"	6"	7"	8"	10"	12"	14"	15"
A		98	124	150	175	200	250	302	352	378
B		44	57	70	82	95	120	146	171	184

Custom Flow Linear Adjusta-slot / Jet-slot ASP / JSP Series



Product Information

Supply Air Engineered Plenum Models

1 in. [25]	Slot Width	ASP210 / JSP210
	Insulated	ASPI210 / JSPI210
1 1/2 in. [38]	Slot Width	ASP215 / JSP215
	Insulated	ASPI215 / JSPI215
2 in. [51]	Slot Width	ASP220 / JSP220
	Insulated	ASPI220 / JSPI220
2 1/2 in. [63]	Slot Width	ASP225 / JSP225
	Insulated	ASPI225 / JSPI225
3 in. [76]	Slot Width	ASP230 / JSP230
	Insulated	ASPI230 / JSPI230

Price Engineered Plenums are specifically designed for the AS / JS series diffusers. These units are factory built and tested to provide the designer with proven catalogued air performance. The air inlet collar is provided with a 1 1/4 in. [32] flange for fast and easy flexible duct connection. These units are available in uninsulated and insulated versions.

Engineered plenums are shipped loose and field installed by the contractor. The diffuser and plenum are installed directly in the suspension structure prior to installation of any ceiling material.

ASP / ASPI and JSP / JSPI Engineered Plenums must be used in all ducted applications to assure catalogued performance.

Available Sizes

Nominal Lengths:

24 in. [610]

48 in. [1219]

60 in. [1524]

Other sizes available - Consult your Price Representative.

Inlet Sizes

Nominal (D) Diameter:

6 in. [152]

8 in. [203]

10 in. [254] Oval & Round

12 in. [305] Oval & Round

Options

VCR8EC Face operated remote damper (factory installed, round neck only).

Insulation

Fiber Free

FF

Coated Fiberglass

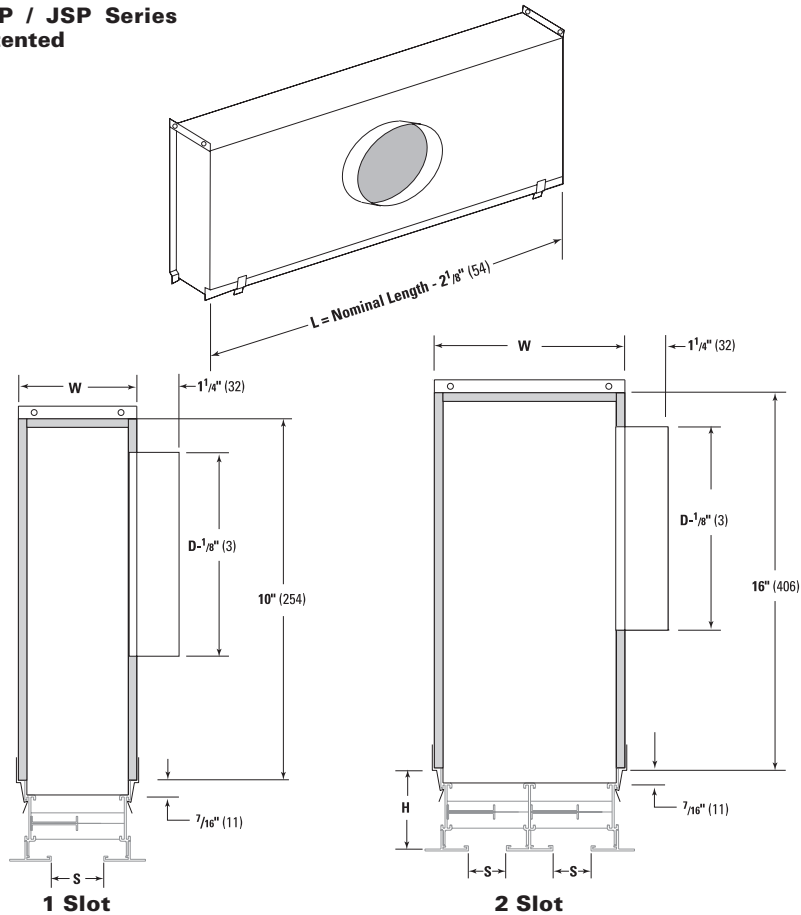
CF

✓ Product Selection Checklist

- 1] Select Nominal Length based on performance requirements.
- 2] Select Model by Slot Width / Insulated.
- 3] Select Number of Slots to match linear.
- 4] Select Inlet Size.

Example: 48 in. / ASPI210 / 1 / 6 in.

ASP / JSP Series Patented



Note: Diffuser ordered separately

Custom Flow Linear Adjusta-slot / Jet-slot ASP / JSP Series



Dimensional Data

Imperial (in.)

Model	Slot S	Height H	1 Slot W	2 Slot W	1 Slot D	2 Slot D	Type 41 1 Slot W
ASP210 Insulated ASPi210 JSP210 Insulated JSPi210	1 in.	2 1/8 in.	3 in.	5 5/16 in.	6 in., 8 in.	8 in., 10 in.	3 in.
ASP215 Insulated ASPi215 JSP215 Insulated JSPi215	1 1/2 in.	2 3/8 in.	4 in.	7 5/16 in.	6 in., 8 in.	8 in., 12 in.	3 1/2 in.
ASP220 Insulated ASPi220 JSP220 Insulated JSPi220	2 in.	2 5/8 in.	5 in.	9 5/16 in.	8 in., 12 in.*	8 in., 12 in.	4 in.
ASP225 Insulated ASPi225 JSP225 Insulated JSPi225	2 1/2 in.	2 7/8 in.	6 in.	11 5/16 in.	10 in., 12 in.*	10 in., 12 in.	4 1/2 in.
ASP230 Insulated ASPi230 JSP230 Insulated JSPi230	3 in.	3 1/8 in.	7 in.	13 5/16 in.	10 in., 12 in.*	10 in., 12 in.	5 in.

*Supplied as Equivalent Oval: 10 in. = 8 x 10.945; 12 in. = 8 x 14.087

Metric (mm)

Model	Slot S	Height H	1 Slot W	2 Slot W	*1 Slot D	2 Slot D	Type 41 1 Slot W
ASP210 Insulated ASPi210 JSP210 Insulated JSPi210	25	57	76	135	152, 203	203, 254	76
ASP215 Insulated ASPi215 JSP215 Insulated JSPi215	38	60	102	186	152, 203	203, 305	89
ASP220 Insulated ASPi220 JSP220 Insulated JSPi220	51	66	127	236	203, 305*	203, 305	102
ASP225 Insulated ASPi225 JSP225 Insulated JSPi225	63	73	152	287	254*, 305*	254, 305	114
ASP230 Insulated ASPi230 JSP230 Insulated JSPi230	76	79	178	338	254*, 305	254, 305	127

*Supplied as Equivalent Oval: 254 = 8 x 10.945; 12 in. 305 = 8 x 14.087

LINEAR DIFFUSERS AND GRILLES

Custom Flow Linear Adjusta-slot / Jet-slot

AST / JST Series

Product Information

T-bar Lay-in Models

1 in. [25]	Slot Width	AST210 / JST210
	Insulated	ASTI210 / JSTI210
	Return	ASTR210 / JSTR210
1 1/2 in. [38]	Slot Width	AST215 / JST215
	Insulated	ASTI215 / JSTI215
	Return	ASTR215 / JSTR215
2 in. [51]	Slot Width	AST220 / JST220
	Insulated	ASTI220 / JSTI220
	Return	ASTR220 / JSTR220
2 1/2 in. [63]	Slot Width	AST225 / JST225
	Insulated	ASTI225 / JSTI225
	Return	ASTR225 / JSTR225
3 in. [76]	Slot Width	AST230 / JST230
	Insulated	ASTI230 / JSTI230
	Return	ASTR230 / JSTR230

Price AST / JST Series, when installed in conventional T-bar ceilings, provides a linear slot appearance. The diffuser is easy to install and can be easily removed and relocated to suit office renovations. The sliding pattern controllers allow for on-site pattern adjustment. These diffusers are manufactured to fit standard ceiling modules and are normally individually suspended.

- Choice of adjustable sliding pattern controller configurations, both AST and JST series offered with single (SPC) or dual (DPC) layer pattern controllers. Dual layer pattern controllers (DPC) allow for volume control and shutoff while single layer pattern controllers (SPC) allow for pattern adjustment only.
- Standard single slot widths 1 in. [25], 1 1/2 in. [38], 2 in. [51], 2 1/2 in. [63], 3 in. [76] (multi-slot units also available).
- AST/ASTI and JST/JSTI are complete with engineered plenum.

Available Sizes

Nominal Lengths:

24 in. [610] 48 in. [1219] 60 in. [1524]

Options

VCR8EC Face operated remote damper (factory installed, round neck only).

Finish

Face – White Powder Coat

B12

Interior – Black (optional)

B17

For optional and special finishes see color matrix.

Insulation

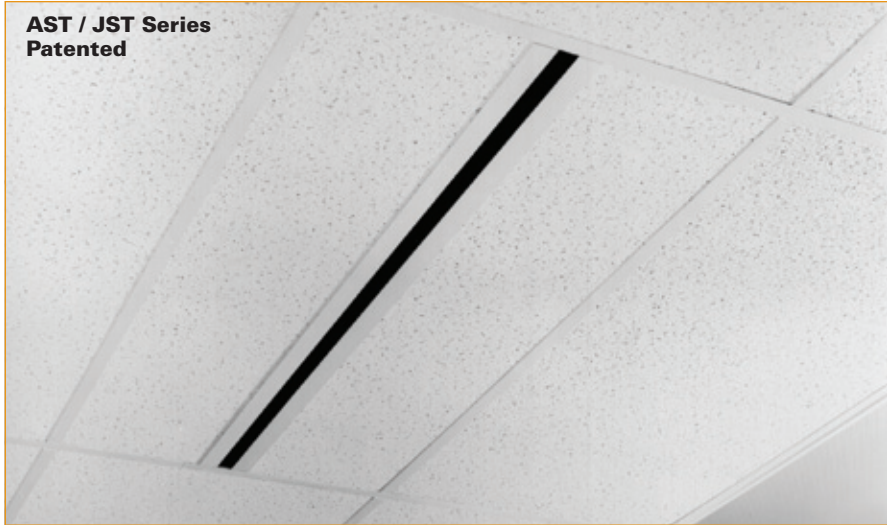
Fiber Free

FF

Coated Fiberglass

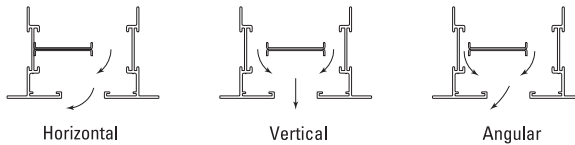
CF

AST / JST Series Patented



Pattern Adjustment (AS Diffuser shown)

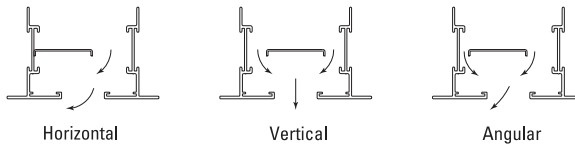
DPC - Dual Layer Pattern Controllers Pattern Adjustments



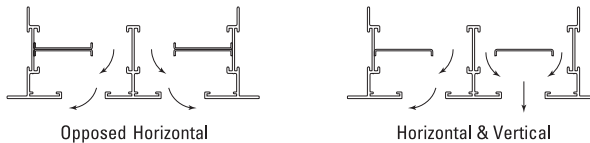
DPC - Volume Adjustments

- Fully Open
- Partially Dampered
- Shutoff

SPC - Single Layer Pattern Controllers Pattern Adjustments (no volume control available)



- Two Slot Adjustment May Also Differ For Each Slot:



✓ Product Selection Checklist

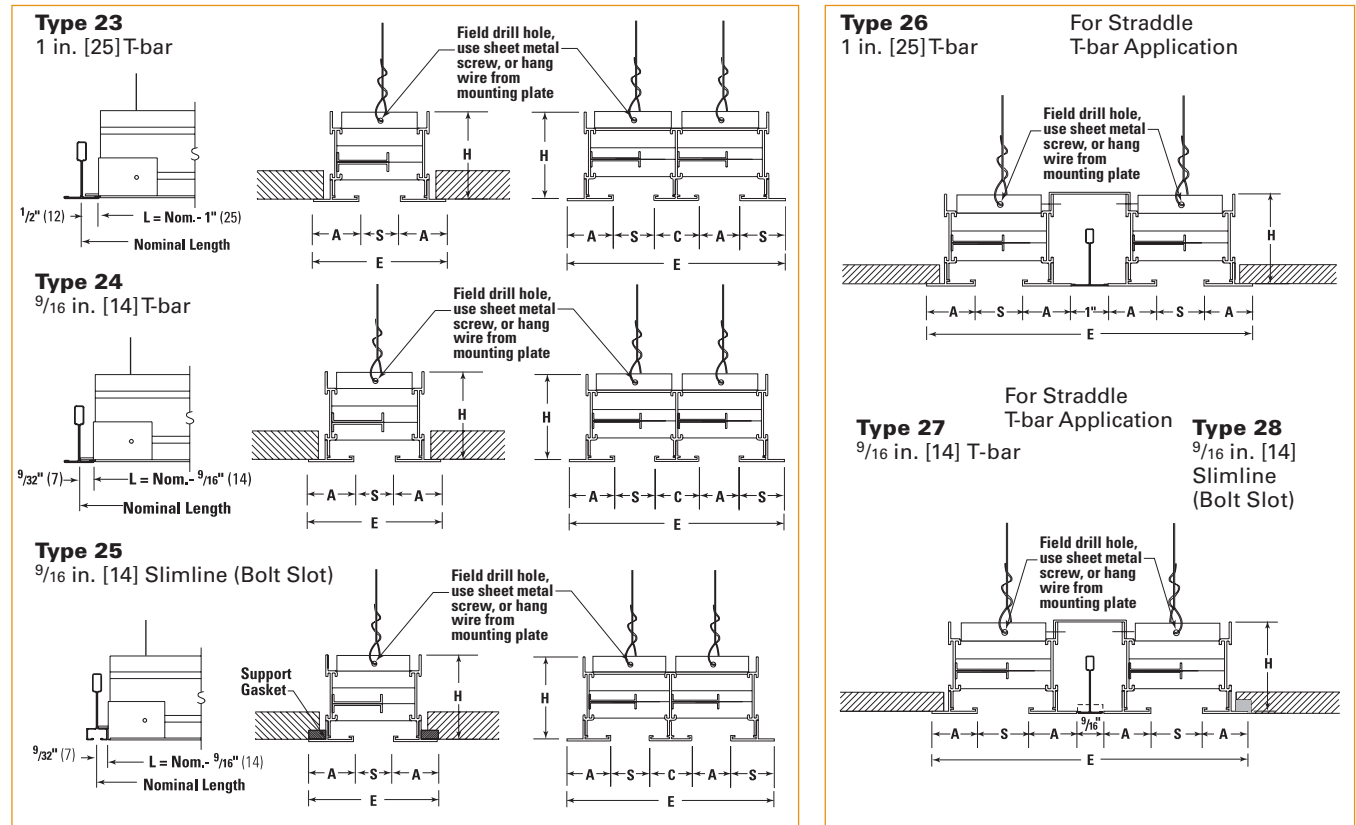
- Select Unit Length based on installation / performance requirements.
- Select Model by Slot Width.
- Select Number of Slots based on desired performance characteristics.
- Select Available Type according to installation requirements.
- Select Plenum inlet size.
- Select Accessories, as required.
- Select Finish.

Example: 48 in. / ASPI210 / 1 / 6 in.

Custom Flow Linear Adjusta-slot / Jet-slot

AST / JST Series

Standard Borders



Dimensional Data - Imperial

Type 23, 24, 25

Model	S Slot	A	C	H	1 Slot				2 Slot			
					F	E	W	D	F	E	W	D
AST210 / ASTI210 JST210 / JSTI210	1"	$1^{9/32}"$	$1^{5/16}"$	$2^{1/8}"$	$12^{9/16}"$	$3^{9/16}"$	3"	6, 8" *10, *12"	$18^{9/16}"$	$5^{7/8}"$	$5^{5/16}"$	8, 10" 12"
AST215 / ASTI215 JST215 / JSTI215	$1^{1/2}"$	$1^{17/32}"$	$1^{13/16}"$	$2^{3/8}"$	$12^{13/16}"$	$4^{9/16}"$	4"	6, 8" *10, *12"	$18^{13/16}"$	$7^{7/8}"$	$7^{5/16}"$	8, 10" 12, 14"
AST220 / ASTI220 JST220 / JSTI220	2"	$1^{25/32}"$	$2^{5/16}"$	$2^{5/8}"$	$13^{1/16}"$	$5^{9/16}"$	5"	8, *10" *12"	$19^{1/16}"$	$9^{7/8}"$	$9^{5/16}"$	8, 10" 12, 14"
AST225 / ASTI225 JST225 / JSTI225	$2^{1/2}"$	$2^{1/32}"$	$2^{13/16}"$	$2^{7/8}"$	$13^{5/16}"$	$6^{9/16}"$	6"	*10, *12"	$19^{5/16}"$	$11^{7/8}"$	$11^{5/16}"$	10, 12" 14"
AST230 / ASTI230 JST230 / JSTI230	3"	$2^{9/32}"$	$3^{5/16}"$	$3^{1/8}"$	$13^{9/16}"$	$7^{9/16}"$	7"	*10, *12" *14"	$19^{3/16}"$	$13^{7/8}"$	$13^{5/16}"$	10, 12" 14"

Type 26, 27, 28

Model	S Slot	A	H	F	Type 26 E	Type 26 W	Type 27/28 E	Type 27/28 W
AST210 / ASTI210 JST210 / JSTI210	1"	$1^{9/32}"$	$2^{3/16}"$	$18^{9/16}"$	$8^{3/16}"$	$7^{9/16}"$	$7^{3/4}"$	$7^{3/32}"$
AST215 / ASTI215 JST215 / JSTI215	$1^{1/2}"$	$1^{17/32}"$	$2^{7/16}"$	$18^{13/16}"$	$10^{3/16}"$	$9^{9/16}"$	$9^{3/4}"$	$9^{9/32}"$
AST220 / ASTI220 JST220 / JSTI220	2"	$1^{25/32}"$	$2^{11/16}"$	$19^{1/16}"$	$12^{3/16}"$	$11^{9/16}"$	$11^{3/4}"$	$11^{3/32}"$
AST225 / ASTI225 JST225 / JSTI225	$2^{1/2}"$	$2^{1/32}"$	$2^{15/16}"$	$19^{5/16}"$	$14^{3/16}"$	$13^{9/16}"$	$13^{3/4}"$	$13^{3/32}"$
AST230 / ASTI230 JST230 / JSTI230	3"	$2^{9/32}"$	$3^{3/16}"$	$19^{9/16}"$	$16^{3/16}"$	$15^{9/16}"$	$15^{3/4}"$	$15^{3/32}"$

For other border types contact your Price sales rep. (put this after both imperial tables)

* indicates inlet supplied as equivalent oval

10 in. = 8 in. x 10.945 in.

12 in. = 8 in. x 14.087 in.

14 in. = 8 in. x 17.25 in.

Custom Flow Linear Adjusta-slot / Jet-slot

AST / JST Series



Dimensional Data - Metric

Type 23, 24, 25

Model	S Slot	A	C	H	1 Slot				2 Slot			
					F	E	W	D	F	E	W	D
AST210 / ASTI210 JST210 / JSTI210	25	32	33	56	319	91	76	152, 203 **254, *305	471	149	135	203, 254 305
AST215 / ASTI215 JST215 / JSTI215	38	39	46	61	325	116	102	152, 203 *254, *305	478	200	186	203, 254 305, 356
AST220 / ASTI220 JST220 / JSTI220	51	45	59	68	332	141	127	203, *254 *305	484	251	237	203, 254 305, 356
AST225 / ASTI225 JST225 / JSTI225	64	52	71	74	338	167	152	*254, *305	491	302	287	254, 305 356
AST230 / ASTI230 JST230 / JSTI230	76	58	84	80	344	192	178	*254, *305 *356	497	352	338	254, 305 356

Type 26, 27, 28

Model	S Slot	A	H	F	Type 26 E	Type 26 W	Type 27/28 E	Type 27/28 W
AST210 / ASTI210 JST210 / JSTI210	25	32	56	471	208	192	197	180
AST215 / ASTI215 JST215 / JSTI215	38	39	39	478	259	243	248	231
AST220 / ASTI220 JST220 / JSTI220	51	45	68	484	310	294	298	282
AST225 / ASTI225 JST225 / JSTI225	63	52	75	491	360	344	349	333
AST230 / ASTI230 JST230 / JSTI230	76	58	81	497	411	395	400	383

For other border types contact your Price sales rep.

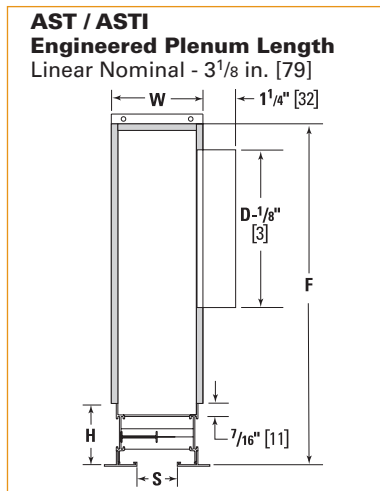
* indicates inlet supplied as equivalent oval

254 = 203mm x 278mm

305 = 203mm x 358mm

356 = 203mm x 438mm

LINEAR DIFFUSERS AND GRILLES



Custom Flow Linear Adjusta-slot ASM Series

Product Information

Models

Supply - 1 in. [25] Slot

1 in. [25] & 9/16 in. [14] T-bar **ASM210**
 Insulated **ASMI210**
 Slimline (Bolt Slot) T-bar **ASMS210**
 Insulated **ASMSI210**

Return - 1 in. [25] Slot

1 in. [25] & 9/16 in. [14] T-bar **ASMR210**
 Slimline (Bolt Slot) T-bar **ASMSR210**

Price Adjusta-slot Modular 4 sided single slot diffuser provides exceptional performance and superior design for interior spaces. Each slot can be field adjusted from the face of the diffuser to provide horizontal or vertical air patterns.

ASM diffusers are designed for most Lay-in suspension systems. The nominal module size is 24 in. x 24 in. [610 x 610] with a 1 in. [25] slot. The diffuser is shipped with the companion backpan for supply or return air.

- Adjustable sliding pattern controller design with a choice of single-layer (SPC) or dual-layer (DPC) pattern controllers.
- Dual layer pattern controllers (DPC) allow for volume control and shutoff while single layer pattern controllers allow for pattern adjustment only.
- Extruded aluminum construction with steel pattern controllers.

Available Sizes

Nominal Lengths:
24 in. x 24 in. [610 x 610]

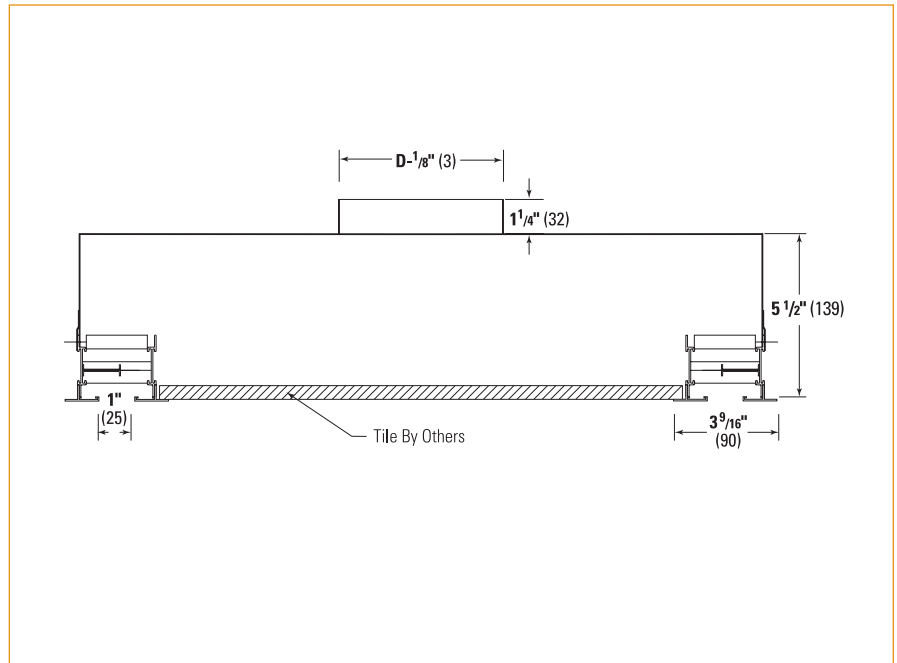
Inlet Sizes

Nominal (D) Diameter:
6 in. [152]
8 in. [203]
10 in. [254]

Finish

Face – White Powder Coat **B12**
 Interior – Black **B17**

For optional and special finishes see color matrix.



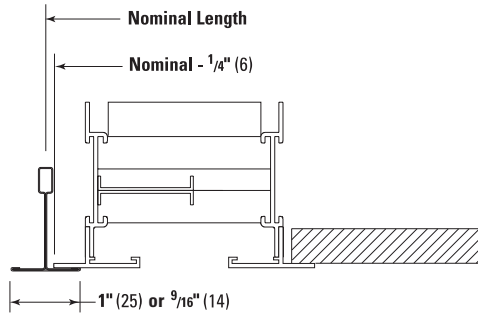
✓ Product Selection Checklist

- 1] Select Nominal Size.
- 2] Select Model by available types / installation requirements.
- 3] Select Inlet Size based on desired performance characteristics.
- 4] Select Finish.

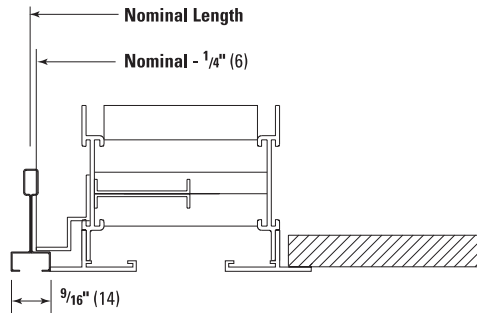
Example: 24 in. x 24 in. / ASMSI210 / 8 in. / B12

Available Types

ASM210

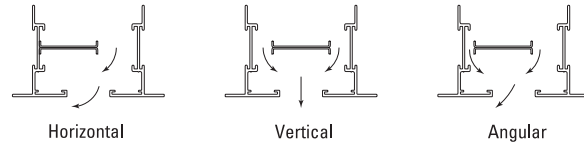


ASMS210



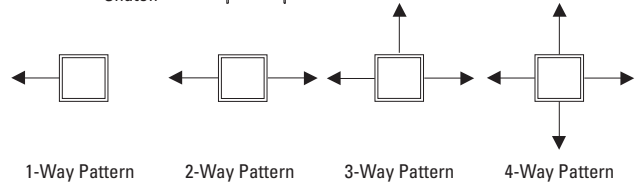
Air Pattern Adjustment

DPC - Dual Layer Pattern Controllers Pattern Adjustments

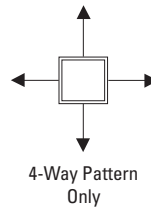
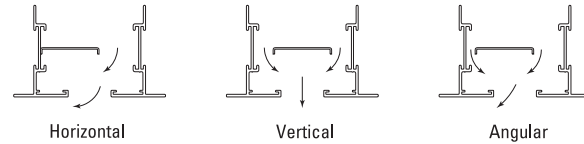


DPC - Volume Adjustments

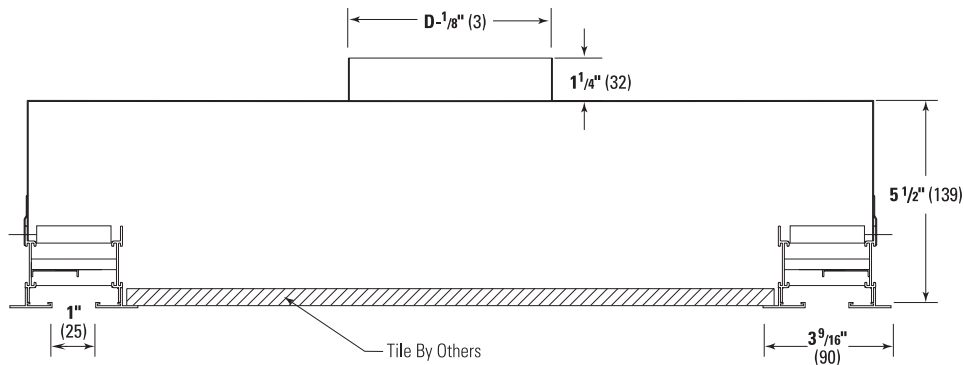
- Fully Open
- Partially Dampered
- Shutoff



SPC - Single Layer Pattern Controllers Pattern Adjustments (no volume control available)



Ducted Return Air



ASMR210 1 in. [25] & 9/16 in. [14] T-bar
ASMRS210 Slimline (Bolt Slot) T-bar

Adjusta-slot - Curved Jet-slot - Curved

Custom Flow - Curved Profile

Adjusta-slot Pattern Controllers

1 in. [25] Slot Width	AS210
1 1/2 in. [38] Slot Width	AS215
2 in. [51] Slot Width	AS220
2 1/2 in. [63] Slot Width	AS225
3 in. [76] Slot Width	AS230

Jet-slot Pattern Controllers

1 in. [25] Slot Width	JS210
1 1/2 in. [38] Slot Width	JS215
2 in. [51] Slot Width	JS220
2 1/2 in. [63] Slot Width	JS225
3 in. [76] Slot Width	JS230

Price Custom Flow curved linear diffuser for curved wall & ceiling applications. Custom Flow is available in flat faced, concave, and convex curves for both Adjusta-slot and Jet-slot series air flow patterns. Circular configurations are also possible using segmented construction. Curved Custom Flow also offers a choice of the type 21 exposed frame, or type 22 concealed frame. The Curved Custom Flow also features:

- Extruded aluminum construction with steel pattern controllers
- Pattern controllers maintain adjustability regardless of diffuser shape
- A choice of open (Y), angled (W), or flush endcaps (Z)
- Curved factory built plenums are also available

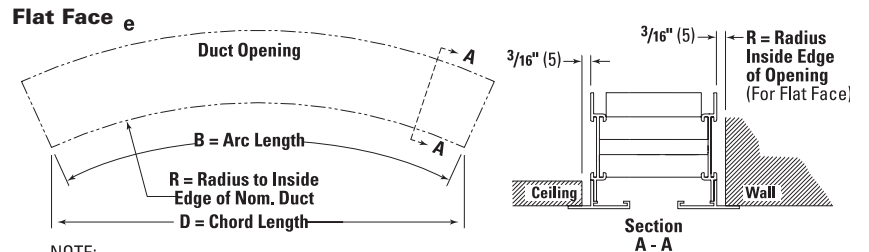
Available Sizes

Available radii vary depending on model, number and width of slots, and length. Contact your Price sales rep. with specifications for availability.

Finish

Face – White Powder Coat **B12**
Interior – Black **B17**

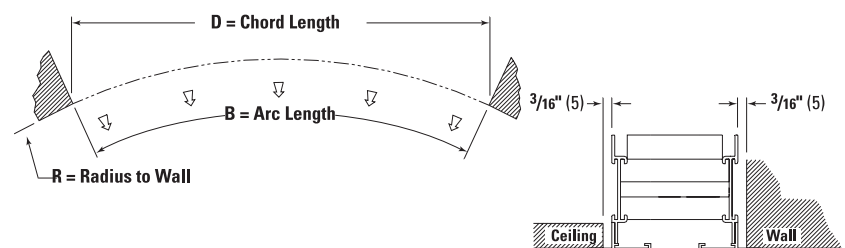
For optional and special finishes see color matrix.



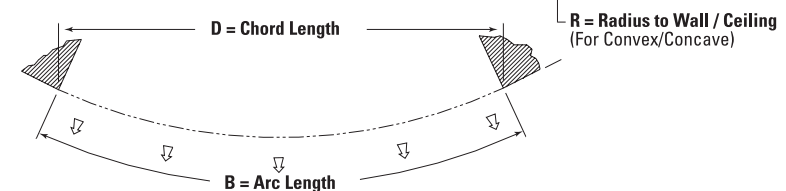
NOTE:

- All end conditions are available, except X-X end condition.

Concave Face



Convex Face



NOTE:

- All end conditions are available, except X-X end condition.



All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimeter.

Custom Flow Linear

Adjusta-slot

AS Series



Performance Data - Imperial Units

Pressurized Ceiling Plenum (Non-Ducted)

Slot Width	Slot	Air flow, cfm/ft	25	40	55	70	85	100	115
		Static Pressure	0.016	0.042	0.080	0.129	0.190	0.263	0.348
1.0 in.	1 Slot	NC (Noise Criteria)	-	18	25	31	36	40	43
		Throw	4-8-23	9-19-29	18-24-33	22-27-38	24-29-42	26-32-45	28-34-48
		Air flow, cfm/ft	50	75	100	125	150	175	200
	2 Slot	Static Pressure	0.020	0.046	0.081	0.127	0.183	0.249	0.326
		NC (Noise Criteria)	-	20	27	32	37	40	43
		Throw	4-8-24	8-18-30	14-24-34	22-27-38	24-30-42	26-32-45	28-34-49
1.5 in.	1 Slot	Air flow, cfm/ft	30	45	60	75	90	105	120
		Static Pressure	0.012	0.028	0.049	0.077	0.110	0.150	0.196
		NC (Noise Criteria)	-	-	20	26	30	34	37
	2 Slot	Throw	2-5-21	5-12-26	9-21-30	15-24-34	21-26-37	23-28-40	24-30-42
		Air flow, cfm/ft	60	85	110	135	160	185	210
		Static Pressure	0.015	0.030	0.051	0.076	0.107	0.143	0.184
2.0 in.	1 Slot	NC (Noise Criteria)	-	16	22	27	31	34	38
		Throw	2-5-21	5-10-27	8-17-31	12-24-34	16-26-37	22-28-40	25-30-43
		Air flow, cfm/ft	30	50	70	90	110	130	150
	2 Slot	Static Pressure	0.008	0.021	0.041	0.068	0.102	0.143	0.190
		NC (Noise Criteria)	-	-	19	25	30	34	37
		Throw	1-3-12	4-8-25	7-16-29	12-23-33	18-26-36	23-28-40	25-30-42
2.5 in.	1 Slot	Air flow, cfm/ft	60	95	130	165	200	235	270
		Static Pressure	0.009	0.023	0.044	0.070	0.103	0.143	0.188
		NC (Noise Criteria)	-	-	21	27	31	35	38
	2 Slot	Throw	1-3-12	3-7-26	6-14-30	10-22-34	14-26-37	20-29-40	25-31-43
		Air flow, cfm/ft	30	55	80	105	130	155	180
		Static Pressure	0.005	0.018	0.037	0.064	0.098	0.140	0.189
3.0 in.	1 Slot	NC (Noise Criteria)	-	-	18	25	30	34	37
		Throw	1-2-8	3-6-24	6-14-28	10-23-33	16-26-36	23-28-40	25-30-43
		Air flow, cfm/ft	60	105	150	195	240	285	330
	2 Slot	Static Pressure	0.006	0.020	0.040	0.067	0.102	0.144	0.193
		NC (Noise Criteria)	-	-	20	27	32	36	39
		Throw	1-2-7	3-6-23	5-11-30	9-19-34	13-26-37	18-29-41	25-31-44
3.0 in.	1 Slot	Air flow, cfm/ft	30	60	90	120	150	180	210
		Static Pressure	0.004	0.015	0.035	0.062	0.096	0.139	0.189
		NC (Noise Criteria)	-	-	18	24	30	34	38
	2 Slot	Throw	1-1-5	2-5-21	5-12-28	9-21-32	15-26-36	21-28-40	25-30-43
		Air flow, cfm/ft	60	120	180	240	300	360	420
		Static Pressure	0.005	0.019	0.042	0.075	0.117	0.169	0.230
2 Slot	NC (Noise Criteria)	-	-	21	28	34	38	42	
	Throw	1-1-5	2-5-20	5-11-30	9-20-35	14-28-39	20-30-43	27-33-46	

Performance Notes

- Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Data is based on pressurized ceiling plenum application with no plenum effect for pressure or sound.
- All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw data is based on active sections 4 ft long. For other lengths refer to Table A.
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw values are based on 1 way air pattern. For 2 way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
- NC values are based on a room absorption of 10 dB, re 10⁻¹² watts, for a 4 ft section. For other lengths refer to Table B.
- For supply units used as a return add 3 NC.
- Blanks (-) indicate an NC level below 15.

Table A. Throw Correction Multiplier for Length

Length, ft	2	4	8	12
Throw Correction	0.9	1.0	1.1	1.1

Table B. NC Correction for Length

Length, ft	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Performance Data - Metric Units
Pressurized Ceiling Plenum (Non-Ducted)

25 mm Slot Width	1 Slot	Airflow Rate (L/s)/m	50	70	90	110	130	150	170
		Static Pressure	7	13	22	33	46	61	79
		NC	--	21	27	31	35	39	42
		Throw (m)	2-4-8	4-7-9	6-7-10	7-8-12	7-9-13	8-10-14	8-10-14
	Throw - Continuous	Airflow Rate (L/s)/m	2-5-9	4-7-10	6-8-12	7-9-13	8-10-14	9-11-15	9-11-16
		Airflow Rate (L/s)/m	80	120	160	200	240	280	320
38 mm Slot Width	1 Slot	Static Pressure	5	12	21	34	49	66	86
		NC	--	21	28	33	37	41	44
		Throw (m)	1-3-8	3-6-9	5-8-11	7-8-12	8-9-13	8-10-14	9-11-15
		Throw - Continuous	1-3-8	3-6-10	5-8-12	8-9-13	8-10-14	9-11-15	10-12-17
	2 Slot	Airflow Rate (L/s)/m	100	140	180	220	260	300	340
		Static Pressure	4	8	14	21	29	39	50
51 mm Slot Width	1 Slot	NC	--	17	22	26	30	33	36
		Throw (m)	1-3-7	2-5-8	3-7-9	5-7-10	6-8-11	7-8-12	7-9-13
		Throw - Continuous	1-3-8	2-5-9	4-7-10	5-8-11	7-9-12	8-9-13	8-10-14
		Airflow Rate (L/s)/m	60	80	100	120	140	160	180
	2 Slot	Static Pressure	2	6	11	17	26	35	46
		NC	--	--	19	25	30	33	37
64 mm Slot Width	1 Slot	Throw (m)	0.5-1-4	1-3-8	2-5-9	4-7-10	5-8-11	7-8-12	7-9-13
		Throw - Continuous	1-1-5	1-3-8	2-6-10	4-8-11	6-9-12	8-9-13	8-10-14
		Airflow Rate (L/s)/m	50	80	110	140	170	200	230
		Static Pressure	1	5	10	18	27	38	51
	2 Slot	NC	--	--	21	27	32	35	39
		Throw (m)	0.4-1-4	1-2-8	2-4-9	3-7-10	4-8-11	6-9-12	8-9-13
76 mm Slot Width	1 Slot	Throw - Continuous	0.4-1-4	1-3-9	2-5-10	3-8-11	5-9-13	7-10-14	8-10-15
		Airflow Rate (L/s)/m	95	150	205	260	315	370	425
		Static Pressure	2	6	11	18	27	37	48
		NC	--	--	21	27	32	35	39
	2 Slot	Throw (m)	0.3-1-2	1-2-7	2-4-9	3-6-10	4-8-11	6-9-12	8-10-13
		Throw - Continuous	0.3-1-3	1-2-8	2-4-10	3-7-11	4-9-13	6-10-14	8-10-15
25 mm Slot Width	1 Slot	Airflow Rate (L/s)/m	40	90	140	190	240	290	340
		Static Pressure	1	4	9	16	26	37	51
		NC	--	--	18	25	31	35	39
		Throw (m)	0.1-0.3-1	1-2-6	2-4-9	3-7-10	5-8-11	7-9-12	8-9-13
	2 Slot	Throw - Continuous	0.1-0.3-1	1-2-7	2-4-9	3-7-11	5-9-12	8-10-14	8-10-15
		Airflow Rate (L/s)/m	90	185	280	375	470	565	660
38 mm Slot Width	1 Slot	Static Pressure	1	5	11	19	30	43	59
		NC	--	--	22	29	34	38	42
		Throw (m)	0.2-0.4-1	1-2-6	2-4-9	3-6-11	4-8-12	6-9-13	8-10-14
		Throw - Continuous	0.2-0.4-2	1-2-7	2-4-10	3-7-12	5-9-13	7-10-14	9-11-16
	2 Slot	Airflow Rate (L/s)/m	50	90	130	170	210	250	290
		Static Pressure	2	6	11	18	27	37	48
51 mm Slot Width	1 Slot	NC	--	--	19	25	30	33	37
		Throw (m)	0.3-1-3	1-2-7	2-5-9	3-7-10	5-8-11	7-9-12	8-9-13
		Throw - Continuous	0.3-1-3	1-2-8	2-5-10	4-8-11	6-9-12	8-10-14	8-10-15
		Airflow Rate (L/s)/m	50	90	130	170	210	250	290
	2 Slot	Static Pressure	2	5	10	17	26	36	49
		NC	--	--	21	27	32	36	39
64 mm Slot Width	1 Slot	Throw (m)	0.3-1-2	1-2-7	2-4-9	3-6-10	4-8-11	6-9-12	8-10-13
		Throw - Continuous	0.3-1-3	1-2-8	2-4-10	3-7-11	4-9-13	6-10-14	8-10-15
		Airflow Rate (L/s)/m	95	165	235	305	375	445	515
		Static Pressure	2	5	10	17	26	36	49
	2 Slot	NC	--	--	21	27	32	36	39
		Throw (m)	0.3-1-2	1-2-7	2-4-9	3-6-10	4-8-11	6-9-12	8-10-13
76 mm Slot Width	1 Slot	Throw - Continuous	0.3-1-3	1-2-8	2-4-10	3-7-11	4-9-13	6-10-14	8-10-15
		Airflow Rate (L/s)/m	40	90	140	190	240	290	340
		Static Pressure	1	4	9	16	26	37	51
		NC	--	--	18	25	31	35	39
	2 Slot	Throw (m)	0.1-0.3-1	1-2-6	2-4-9	3-7-10	5-8-11	7-9-12	8-9-13
		Throw - Continuous	0.1-0.3-1	1-2-7	2-4-9	3-7-11	5-9-12	8-10-14	8-10-15

Performance Notes

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
- Data is based on pressurized ceiling plenum or continuous plenum.
- Static pressure is shown in Pascals, Pa.
- Throw projection is in metres to terminal velocities of 0.75 m/s minimum, 0.5 m/s middle, and 0.25 m/s maximum.
- Throw data based on supply air and room air being at isothermal conditions for 1.2 m active section and 3 m continuous application: For other lengths, please refer to Table A
- Throw values are based on 1-way air pattern. For 2-way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² watts.
- For supply units used as a return add 3 NC.
- Blanks (--) indicate an NC level below 15.
- Noise Criterion (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices
- All pressures are in Pascals, Pa.

Table A. Throw Correction Multiplier for Length

Length, Meters	0.6	1.2	2.4	3.7
Throw Correction	0.9	1.0	1.1	1.1

Length, Meters	0.6	1.2	2.4	3.7
Throw Correction	0.9	1.0	1.1	1.1

Table B. NC Correction for Length

Length, Meters	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Performance Data - Imperial Units
1 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

1.0 in. Slot Width	1 Slot 6 in. Inlet	2 ft	Air flow, cfm	25	50	75	100	125	150	175
			Total Pressure	0.006	0.023	0.052	0.092	0.144	0.208	0.283
			Static Pressure	0.005	0.019	0.043	0.076	0.119	0.172	0.234
			NC (Noise Criteria)	-	-	-	22	28	33	38
			Throw	1-2-9	4-9-20	9-15-26	13-20-30	17-24-34	20-26-37	23-28-40
		4 ft	Air flow, cfm	40	80	120	160	200	240	280
			Total Pressure	0.008	0.033	0.074	0.131	0.204	0.294	0.400
			Static Pressure	0.006	0.022	0.050	0.089	0.140	0.201	0.274
			NC (Noise Criteria)	-	-	17	25	32	37	41
		Throw	1-1-5	2-5-19	5-12-25	9-19-29	15-23-32	19-25-35	22-27-38	
	5 ft	Air flow, cfm	50	100	150	200	250	300	350	
		Total Pressure	0.011	0.042	0.095	0.169	0.263	0.379	0.516	
		Static Pressure	0.006	0.026	0.058	0.104	0.162	0.234	0.318	
		NC (Noise Criteria)	-	-	20	28	35	40	44	
		Throw	1-1-5	2-5-21	5-12-25	9-21-29	15-23-33	21-25-36	22-27-39	
1.0 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	50	75	100	125	150	175	200
			Total Pressure	0.021	0.048	0.084	0.132	0.190	0.259	0.338
			Static Pressure	0.020	0.045	0.079	0.124	0.179	0.243	0.317
			NC (Noise Criteria)	-	-	23	30	35	40	43
			Throw	4-9-20	9-15-26	13-20-30	17-24-34	20-26-37	23-28-40	25-30-43
		4 ft	Air flow, cfm	70	110	150	190	230	270	310
			Total Pressure	0.013	0.031	0.058	0.092	0.135	0.187	0.246
			Static Pressure	0.010	0.025	0.046	0.074	0.108	0.149	0.197
			NC (Noise Criteria)	-	-	-	21	27	31	36
		Throw	2-4-16	4-10-24	8-18-28	13-22-31	18-24-34	21-26-37	23-28-40	
	5 ft	Air flow, cfm	80	130	180	230	280	330	380	
		Total Pressure	0.013	0.035	0.068	0.111	0.165	0.229	0.303	
		Static Pressure	0.010	0.027	0.051	0.084	0.124	0.173	0.229	
		NC (Noise Criteria)	-	-	16	23	29	34	38	
		Throw	1-3-13	4-9-24	8-17-28	12-22-31	18-25-35	22-27-38	23-29-40	
1.5 in. Slot Width	1 Slot 6 in. Inlet	2 ft	Air flow, cfm	40	70	100	130	160	190	220
			Total Pressure	0.010	0.032	0.065	0.110	0.166	0.234	0.314
			Static Pressure	0.008	0.024	0.049	0.082	0.125	0.176	0.236
			NC (Noise Criteria)	-	-	16	23	29	34	38
			Throw	1-3-11	4-8-21	7-15-26	12-20-29	16-23-33	19-25-36	22-27-38
		4 ft	Air flow, cfm	80	120	160	200	240	280	320
			Total Pressure	0.024	0.055	0.097	0.152	0.219	0.299	0.390
			Static Pressure	0.014	0.032	0.056	0.088	0.126	0.172	0.224
			NC (Noise Criteria)	-	-	20	26	32	36	40
		Throw	1-2-9	2-5-21	4-9-24	7-15-27	9-21-30	13-23-32	17-24-35	
	5 ft	Air flow, cfm	90	140	190	240	290	340	390	
		Total Pressure	0.026	0.064	0.117	0.187	0.272	0.375	0.493	
		Static Pressure	0.013	0.032	0.059	0.093	0.136	0.188	0.247	
		NC (Noise Criteria)	-	-	22	29	34	39	43	
		Throw	1-2-8	2-5-19	4-9-24	6-14-28	9-20-30	12-23-33	16-25-35	
1.5 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	40	70	100	130	160	190	220
			Total Pressure	0.006	0.017	0.035	0.059	0.089	0.126	0.168
			Static Pressure	0.005	0.015	0.030	0.050	0.076	0.107	0.144
			NC (Noise Criteria)	-	-	-	16	22	27	31
			Throw	1-3-11	4-8-21	7-15-26	12-20-29	16-23-33	19-25-36	22-27-38
		4 ft	Air flow, cfm	80	130	180	230	280	330	380
			Total Pressure	0.012	0.031	0.060	0.097	0.144	0.201	0.266
			Static Pressure	0.009	0.022	0.043	0.070	0.104	0.145	0.192
			NC (Noise Criteria)	-	-	-	21	27	32	36
		Throw	1-2-9	3-6-22	5-12-26	9-20-29	13-23-32	18-25-35	22-27-38	
	5 ft	Air flow, cfm	90	150	210	270	330	390	450	
		Total Pressure	0.013	0.035	0.069	0.114	0.170	0.237	0.316	
		Static Pressure	0.008	0.024	0.046	0.076	0.114	0.160	0.212	
		NC (Noise Criteria)	-	-	16	23	29	34	38	
		Throw	1-2-8	2-5-21	5-10-26	8-17-29	11-23-32	16-25-35	21-27-38	

For performance notes, see page A30.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Imperial Units

1 Slot with Engineered Plenum

2.0 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	50	85	120	155	190	225	260	
			Total Pressure	0.007	0.019	0.038	0.063	0.095	0.133	0.178	
			Static Pressure	0.005	0.015	0.031	0.051	0.077	0.108	0.144	
			NC (Noise Criteria)	-	-	-	16	22	27	31	
			Throw	1-2-9	3-7-21	6-13-25	10-19-29	15-22-32	19-24-35	21-26-37	
			4 ft	Air flow, cfm	90	150	210	270	330	390	450
			Total Pressure	0.012	0.033	0.065	0.108	0.162	0.226	0.301	
			Static Pressure	0.008	0.022	0.043	0.071	0.106	0.148	0.197	
			NC (Noise Criteria)	-	-	-	22	28	33	37	
		Throw	1-2-7	2-5-19	4-9-25	7-15-28	10-22-31	14-24-34	19-26-37		
		5 ft	Air flow, cfm	100	165	230	295	360	425	490	
		Total Pressure	0.013	0.034	0.066	0.109	0.162	0.226	0.301		
		Static Pressure	0.007	0.020	0.039	0.065	0.096	0.134	0.178		
		NC (Noise Criteria)	-	-	-	22	27	32	36		
		Throw	1-1-5	2-4-14	3-7-24	5-12-27	8-17-30	11-23-33	14-25-35		
2.0 in. Slot Width	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	50	90	130	170	210	250	290	
			Total Pressure	0.005	0.015	0.032	0.055	0.083	0.118	0.159	
			Static Pressure	0.004	0.015	0.030	0.052	0.079	0.112	0.151	
			NC (Noise Criteria)	-	-	-	17	23	28	32	
			Throw	1-2-9	3-7-22	7-16-26	12-21-30	17-24-33	21-26-36	23-28-39	
			4 ft	Air flow, cfm	90	165	240	315	390	465	540
			Total Pressure	0.005	0.017	0.035	0.061	0.093	0.133	0.179	
			Static Pressure	0.004	0.014	0.029	0.051	0.078	0.111	0.149	
			NC (Noise Criteria)	-	-	-	16	22	27	31	
		Throw	1-2-7	3-6-22	5-12-27	9-21-31	14-24-34	20-26-37	23-28-40		
		5 ft	Air flow, cfm	100	190	280	370	460	550	640	
		Total Pressure	0.005	0.018	0.040	0.070	0.108	0.154	0.209		
		Static Pressure	0.004	0.015	0.032	0.056	0.087	0.124	0.168		
		NC (Noise Criteria)	-	-	-	17	24	29	33		
		Throw	1-1-5	2-5-19	5-10-27	8-18-31	13-24-34	18-26-37	23-28-40		
2.5 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	100	145	190	235	280	325	370	
			Total Pressure	0.014	0.030	0.052	0.079	0.113	0.152	0.197	
			Static Pressure	0.012	0.026	0.044	0.068	0.096	0.130	0.168	
			NC (Noise Criteria)	-	-	-	20	25	29	33	
			Throw	3-6-21	6-12-25	9-20-29	14-23-32	20-25-35	22-27-38	24-29-41	
			4 ft	Air flow, cfm	140	220	300	380	460	540	620
			Total Pressure	0.014	0.035	0.066	0.106	0.155	0.213	0.281	
			Static Pressure	0.010	0.025	0.047	0.075	0.111	0.152	0.201	
			NC (Noise Criteria)	-	-	16	22	28	33	37	
		Throw	1-3-10	3-6-24	5-12-28	8-19-31	12-24-34	17-26-37	23-28-40		
		5 ft	Air flow, cfm	150	240	330	420	510	600	690	
		Total Pressure	0.014	0.036	0.069	0.111	0.164	0.227	0.300		
		Static Pressure	0.009	0.024	0.046	0.074	0.109	0.151	0.200		
		NC (Noise Criteria)	-	-	16	23	28	33	37		
		Throw	1-2-8	2-5-20	4-9-27	7-15-30	10-22-33	14-25-36	18-27-38		
2.5 in. Slot Width	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	100	145	190	235	280	325	370	
			Total Pressure	0.012	0.025	0.042	0.065	0.092	0.124	0.161	
			Static Pressure	0.011	0.023	0.039	0.059	0.084	0.114	0.147	
			NC (Noise Criteria)	-	-	-	18	23	28	31	
			Throw	3-6-21	6-12-25	9-20-29	14-23-32	20-25-35	22-27-38	24-29-41	
			4 ft	Air flow, cfm	140	225	310	395	480	565	650
			Total Pressure	0.010	0.026	0.049	0.080	0.118	0.163	0.216	
			Static Pressure	0.008	0.021	0.039	0.064	0.094	0.131	0.173	
			NC (Noise Criteria)	-	-	-	19	25	30	34	
		Throw	1-3-10	3-7-24	6-13-28	9-21-32	14-25-35	19-27-38	23-29-41		
		5 ft	Air flow, cfm	150	250	350	450	550	650	750	
		Total Pressure	0.009	0.026	0.052	0.085	0.127	0.178	0.237		
		Static Pressure	0.007	0.020	0.039	0.065	0.097	0.135	0.180		
		NC (Noise Criteria)	-	-	-	20	26	31	35		
		Throw	1-2-8	2-5-21	5-10-27	8-17-31	11-24-34	16-26-37	21-28-40		

For performance notes, see page A30.

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All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimeter.

Custom Flow Linear Adjusta-slot AS c/w ASP and AST



Performance Data - Imperial Units 1 Slot with Engineered Plenum

3.0 in. Slot Width Inlet	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	125	170	215	260	305	350	395
			Total Pressure	0.019	0.034	0.055	0.080	0.110	0.145	0.185
Static Pressure	0.015	0.028	0.045	0.066	0.091	0.120	0.152			
NC (Noise Criteria)	-	-	-	20	24	28	32			
Throw	3-6-22	5-12-26	8-19-29	12-22-32	17-24-34	21-26-37	23-28-39			
3.0 in. Slot Width Inlet	1 Slot 10 in. Inlet (Oval)	4 ft	Air flow, cfm	200	275	350	425	500	575	650
			Total Pressure	0.026	0.048	0.079	0.116	0.160	0.212	0.271
Static Pressure	0.017	0.033	0.053	0.078	0.108	0.143	0.182			
NC (Noise Criteria)	-	-	18	23	28	32	36			
Throw	2-4-15	3-7-25	5-11-28	7-17-31	10-23-33	13-25-36	17-27-38			
3.0 in. Slot Width Inlet	1 Slot 10 in. Inlet (Oval)	5 ft	Air flow, cfm	220	310	400	490	580	670	760
			Total Pressure	0.027	0.053	0.088	0.132	0.185	0.247	0.318
Static Pressure	0.016	0.033	0.054	0.082	0.115	0.153	0.197			
NC (Noise Criteria)	-	-	19	25	30	34	38			
Throw	1-3-11	3-6-23	4-9-27	6-14-30	9-20-33	12-25-35	15-27-37			
3.0 in. Slot Width Inlet	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	125	170	215	260	305	350	395
			Total Pressure	0.014	0.027	0.043	0.062	0.086	0.113	0.144
Static Pressure	0.013	0.024	0.038	0.055	0.076	0.100	0.128			
NC (Noise Criteria)	-	-	-	17	22	26	29			
Throw	3-6-22	5-12-26	8-19-29	12-22-32	17-24-34	21-26-37	23-28-39			
3.0 in. Slot Width Inlet	1 Slot 12 in. Inlet (Oval)	4 ft	Air flow, cfm	200	290	380	470	560	650	740
			Total Pressure	0.017	0.036	0.063	0.096	0.136	0.183	0.238
Static Pressure	0.013	0.028	0.048	0.073	0.104	0.141	0.182			
NC (Noise Criteria)	-	-	16	22	27	31	35			
Throw	2-4-15	3-8-25	6-13-29	9-20-32	13-25-35	17-27-38	22-28-40			
3.0 in. Slot Width Inlet	1 Slot 12 in. Inlet (Oval)	5 ft	Air flow, cfm	220	330	440	550	660	770	880
			Total Pressure	0.018	0.040	0.070	0.110	0.158	0.215	0.281
Static Pressure	0.013	0.029	0.051	0.079	0.114	0.156	0.203			
NC (Noise Criteria)	-	-	17	23	29	33	37			
Throw	1-3-11	3-6-25	5-11-29	8-18-32	11-25-35	15-27-38	20-29-40			

Performance Notes

- Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Data is based on Adjusta-slot complete with Price Engineered Plenums (insulated) as a composite assembly.
- Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
- All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw values are based on 1 way air pattern. For 2 way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
- NC values are based on a room absorption of 10 dB re 10⁻¹² watts and one diffuser.
- Blanks (-) indicate an NC level below 15.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Metric Units

1 Slot with Engineered Plenum

25 mm Slot Width	1 Slot 150 mm inlet	600 mm	Airflow L/s	20	30	40	50	60	70	80
			Total Pressure	4	9	16	26	37	50	65
			Static Pressure	3	8	14	21	30	41	54
	NC		--	--	17	23	29	33	37	
	Throw (m)	1-2-5	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12		
	1200 mm	Airflow L/s	20	40	60	80	100	120	140	
		Total Pressure	2	9	20	36	56	81	110	
		Static Pressure	1	6	14	24	38	55	75	
		NC	--	--	18	26	33	38	43	
Throw (m)	0.2-0.5-2	1-2-6	2-4-8	3-6-9	5-7-10	6-8-11	7-8-12			
1500 mm	Airflow L/s	25	50	75	100	125	150	175		
	Total Pressure	3	12	26	47	74	105	143		
	Static Pressure	2	7	16	29	45	65	88		
	NC	--	--	21	30	36	42	46		
Throw (m)	0.2-0.5-2	1-2-7	2-4-8	3-7-9	5-7-10	6-8-11	7-9-12			
25 mm Slot Width	1 slot 205 mm inlet	600 mm	Airflow L/s	30	40	50	60	70	80	90
			Total Pressure	8	15	23	34	46	60	76
			Static Pressure	8	14	22	32	43	56	71
	NC		--	18	25	30	35	39	42	
	Throw (m)	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13		
	1200 mm	Airflow L/s	30	50	70	90	110	130	150	
		Total Pressure	2	7	14	23	35	48	64	
		Static Pressure	2	6	11	18	28	39	51	
		NC	--	--	--	21	27	32	36	
Throw (m)	0.4-1-4	1-3-7	2-5-8	4-7-9	6-7-11	7-8-11	7-9-12			
1500 mm	Airflow L/s	35	60	85	110	135	160	185		
	Total Pressure	3	9	17	29	44	61	82		
	Static Pressure	2	7	13	22	33	46	62		
	NC	--	--	17	24	30	35	39		
Throw (m)	0.4-1-4	1-3-7	2-5-8	4-7-10	6-8-11	7-8-12	7-9-12			
38 mm Slot Width	1 Slot 150 mm inlet	600 mm	Airflow L/s	20	35	50	65	80	95	110
			Total Pressure	3	9	18	31	47	67	90
			Static Pressure	2	7	14	24	36	51	68
	NC		--	--	17	25	31	36	41	
	Throw (m)	0.4-1-4	1-3-7	2-5-8	4-6-9	5-7-10	6-8-11	7-8-12		
	1200 mm	Airflow L/s	35	55	75	95	115	135	155	
		Total Pressure	5	12	23	37	55	76	99	
		Static Pressure	3	7	13	21	31	43	56	
		NC	--	--	19	26	32	36	40	
Throw (m)	0.3-1-2	1-2-6	1-3-7	2-5-8	3-7-9	4-7-10	5-8-11			
1500 mm	Airflow L/s	40	65	90	115	140	165	190		
	Total Pressure	6	15	29	48	71	99	131		
	Static Pressure	3	8	15	24	36	50	66		
	NC	--	--	22	29	35	40	44		
Throw (m)	0.2-0.5-2	1-1-5	1-3-7	2-4-8	3-6-9	4-7-10	5-8-11			
38 mm Slot Width	1 slot 205 mm inlet	600 mm	Airflow L/s	20	35	50	65	80	95	110
			Total Pressure	1	5	10	16	25	35	48
			Static Pressure	1	4	8	14	21	30	41
	NC / NR		--	--	--	17	23	28	33	
	Throw (m)	0.4-1-4	1-3-7	2-5-8	4-6-9	5-7-10	6-8-11	7-8-12		
	1200 mm	Airflow L/s	35	60	85	110	135	160	185	
		Total Pressure	2	7	15	25	38	53	70	
		Static Pressure	2	5	11	18	27	38	51	
		NC	--	--	--	22	28	32	37	
Throw (m)	0.3-1-2	1-2-7	2-4-8	3-6-9	4-7-10	6-8-11	7-8-12			
1500 mm	Airflow L/s	35	65	95	125	155	185	215		
	Total Pressure	2	7	15	27	41	59	80		
	Static Pressure	1	5	10	18	28	39	53		
	NC	--	--	--	22	28	33	38		
Throw (m)	0.2-0.4-2	1-1-5	1-3-8	2-5-9	3-7-10	5-8-11	7-8-12			

For performance notes, see page A33.

Performance Data - Metric Units
1 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

51 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow L/s	30	45	60	75	90	105	120
			Total Pressure	3	6	11	17	24	33	43
			Static Pressure	2	5	9	13	20	27	35
	NC		--	--	--	17	22	27	31	
	Throw (m)	0.5-1.4	1.1-3.7	2.0-5.8	3.1-6.9	4.5-7.10	5.6-7.10	6.4-8.11		
	1200 mm	Airflow L/s	35	65	95	125	155	185	215	
		Total Pressure	2	7	15	25	39	56	75	
		Static Pressure	1	4	10	17	26	36	49	
		NC	--	--	--	21	27	33	37	
Throw (m)	0.2-0.3-1	1.1-5	1.3-7	2.4-9	3.7-10	4.7-10	6.8-11			
1500 mm	Airflow L/s	50	80	110	140	170	200	230		
	Total Pressure	3	9	17	27	40	55	73		
	Static Pressure	2	5	10	16	24	32	43		
	NC	--	--	--	22	27	32	36		
Throw (m)	0.2-0.4-2	1.1-5	1.2-7	2.4-8	2.5-9	3.7-10	4.8-11			
51 mm Slot Width	1 slot 305 mm inlet (Oval)	600 mm	Airflow L/s	20	40	60	80	100	120	140
			Total Pressure	1	5	11	21	32	46	63
			Static Pressure	1	5	11	20	31	45	61
	NC		--	--	16	25	31	36	41	
	Throw (m)	0.2-0.5-2	1.2-6	2.5-8	4.6-9	5.7-10	6.8-11	7.9-12		
	1200 mm	Airflow L/s	45	80	115	150	185	220	255	
		Total Pressure	1	4	8	14	22	31	41	
		Static Pressure	1	3	7	12	18	25	34	
		NC	--	--	--	--	21	26	30	
Throw (m)	0.3-1-2	0.8-2.7	1.7-4.8	2.8-6.9	4.3-7.10	6.1-8.11	7.1-9.12			
1500 mm	Airflow L/s	50	90	130	170	210	250	290		
	Total Pressure	1	4	9	15	23	33	45		
	Static Pressure	1	3	7	12	18	26	35		
	NC	--	--	--	15	21	26	31		
Throw (m)	0.2-0.4-2	1.1-6	1.3-8	2.5-9	4.7-10	5.8-11	7.8-12			
64 mm Slot Width	1 slot 255 mm inlet (Oval)	600 mm	Airflow L/s	50	70	90	110	130	150	170
			Total Pressure	4	7	12	18	25	34	44
			Static Pressure	3	6	10	15	21	29	37
	NC		--	--	--	19	23	28	31	
	Throw (m)	1.2-7	2.4-8	3.6-9	4.7-10	6.8-11	7.8-11	7.9-12		
	1200 mm	Airflow L/s	60	100	140	180	220	260	300	
		Total Pressure	3	8	16	26	39	55	73	
		Static Pressure	2	6	11	19	28	39	52	
		NC	--	--	--	22	28	33	37	
Throw (m)	0.3-1-3	1.2-7	2.4-8	3.6-9	4.7-10	5.8-11	7.9-12			
1500 mm	Airflow L/s	70	115	160	205	250	295	340		
	Total Pressure	3	9	17	28	42	59	78		
	Static Pressure	2	6	11	19	27	38	51		
	NC	--	--	15	23	29	33	38		
Throw (m)	0.3-1-2	1.2-6	1.3-8	2.5-9	3.7-10	4.8-11	6.8-12			
64 mm Slot Width	1 slot 305 mm inlet (Oval)	600 mm	Airflow L/s	50	70	90	110	130	150	170
			Total Pressure	3	7	11	17	24	32	42
			Static Pressure	3	6	11	16	22	30	38
	NC		--	--	--	20	25	29	32	
	Throw (m)	1.2-7	2.4-8	3.6-9	4.7-10	6.8-11	7.8-11	7.9-12		
	1200 mm	Airflow L/s	65	105	145	185	225	265	305	
		Total Pressure	2	6	11	18	27	37	49	
		Static Pressure	2	4	9	14	21	29	39	
		NC	--	--	--	18	23	28	32	
Throw (m)	0.3-1-3	1.2-7	2.4-8	3.6-10	4.7-11	6.8-11	7.9-12			
1500 mm	Airflow L/s	75	120	165	210	255	300	345		
	Total Pressure	2	6	12	19	29	40	53		
	Static Pressure	2	5	9	14	22	30	39		
	NC	--	--	--	18	24	29	33		
Throw (m)	0.3-1-3	1.2-7	1.3-8	2.5-9	3.7-10	5.8-11	6.8-12			

For performance notes, see page A33.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Metric Units

1 Slot with Engineered Plenum

76 mm Slot Width	1 slot 255 mm inlet (Oval)	600 mm	Airflow L/s	65	85	105	125	145	165	185
			Total Pressure	5	9	14	20	27	35	44
			Static Pressure	4	8	11	16	22	28	36
			NC	--	--	--	19	24	28	31
		Throw (m)	1-2-7	2-4-8	3-6-9	4-7-10	5-7-11	6-8-11	7-8-12	
		1200 mm	Airflow L/s	95	130	165	200	235	270	305
			Total Pressure	6	12	19	28	38	51	65
			Static Pressure	4	8	13	19	25	34	43
			NC	--	--	17	23	27	31	35
Throw (m)	0.5-1-5	1-2-7	2-3-8	2-5-9	3-7-10	4-8-11	5-8-11			
1500 mm	Airflow L/s	100	145	190	235	280	325	370		
	Total Pressure	6	12	21	32	46	62	80		
	Static Pressure	3	8	13	19	28	37	48		
	NC	--	--	18	24	29	34	38		
Throw (m)	0.4-1-3	1-2-7	1-3-8	2-4-9	3-6-10	4-8-11	5-8-12			
76 mm Slot Width	1 Slot 305 mm inlet (Oval)	600 mm	Airflow L/s	60	80	100	120	140	160	180
			Total Pressure	3	6	9	13	18	24	30
			Static Pressure	3	5	8	12	16	21	27
			NC	--	--	--	15	19	23	27
		Throw (m)	1-2-7	2-4-8	2-6-9	4-7-10	5-7-10	6-8-11	7-8-12	
		1200 mm	Airflow L/s	100	140	180	220	260	300	340
			Total Pressure	4	9	15	22	31	41	53
			Static Pressure	3	7	11	17	23	31	40
			NC	--	--	--	20	25	29	33
Throw (m)	1-1-5	1-2-8	2-4-9	3-6-10	4-7-11	5-8-11	6-9-12			
1500 mm	Airflow L/s	110	160	210	260	310	360	410		
	Total Pressure	4	10	17	26	37	49	64		
	Static Pressure	3	7	12	18	26	35	45		
	NC	--	--	16	22	27	31	35		
Throw (m)	0.4-1-4	1-2-8	2-4-9	2-5-10	3-8-11	5-8-11	6-9-12			

Performance Notes

1. Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Adjusta Slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in pascals.
5. Throw values are given for terminal velocities of 0.75 m/s, 0.5 m/s, 0.25 m/s.
6. Throw data based on supply air and room air being at isothermal conditions.
7. Throw values are based on 1-way air pattern. For 2-way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
8. NC values are based on a room absorption of 10 dB re 10⁻¹² watts.
9. Blanks (-) indicate an NC level below 15.
10. Noise Criteria (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices.
11. All pressures are in Pascals, Pa.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Imperial Units

2 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

1.0 in. Slot Width	2 Slot 8 in. Inlet	2 ft	Air flow, cfm	80	120	160	200	240	280	320	
			Total Pressure	0.017	0.038	0.067	0.104	0.150	0.205	0.267	
			Static Pressure	0.013	0.030	0.054	0.084	0.121	0.165	0.215	
			NC (Noise Criteria)	-	-	17	23	28	33	37	
			Throw	3-6-20	6-13-25	10-20-29	16-23-32	20-25-35	22-27-38	24-29-41	
			4 ft	Air flow, cfm	160	230	300	370	440	510	580
			Total Pressure	0.037	0.077	0.131	0.200	0.282	0.379	0.491	
			Static Pressure	0.024	0.050	0.085	0.130	0.183	0.246	0.319	
			NC (Noise Criteria)	-	17	25	31	36	40	44	
		Throw	2-5-20	5-10-26	8-18-30	12-23-33	17-25-36	22-27-39	24-29-41		
		5 ft	Air flow, cfm	200	280	360	440	520	600	680	
		Total Pressure	0.049	0.096	0.159	0.238	0.332	0.442	0.568		
		Static Pressure	0.029	0.056	0.093	0.139	0.194	0.258	0.331		
		NC (Noise Criteria)	-	20	27	33	38	42	46		
		Throw	2-5-20	4-10-26	7-16-30	11-23-33	15-25-36	20-27-39	24-29-41		
1.0 in. Slot Width	2 Slot 10 in. Inlet	2 ft	Air flow, cfm	80	130	180	230	280	330	380	
			Total Pressure	0.010	0.027	0.052	0.085	0.127	0.176	0.233	
			Static Pressure	0.009	0.024	0.046	0.074	0.110	0.153	0.203	
			NC (Noise Criteria)	-	-	-	21	27	32	36	
			Throw	3-6-20	7-15-26	13-22-31	19-25-35	22-27-38	24-29-42	26-32-45	
			4 ft	Air flow, cfm	160	240	320	400	480	560	640
			Total Pressure	0.021	0.048	0.086	0.134	0.193	0.263	0.344	
			Static Pressure	0.016	0.036	0.064	0.101	0.145	0.197	0.258	
			NC (Noise Criteria)	-	-	20	26	31	36	40	
		Throw	2-5-20	5-11-27	9-20-31	14-24-34	20-27-38	23-29-41	25-31-43		
		5 ft	Air flow, cfm	200	295	390	485	580	675	770	
		Total Pressure	0.028	0.061	0.107	0.165	0.236	0.320	0.417		
		Static Pressure	0.020	0.043	0.075	0.116	0.166	0.225	0.292		
		NC (Noise Criteria)	-	-	22	29	34	38	42		
		Throw	2-5-20	5-11-27	9-19-31	13-25-35	19-27-38	24-29-41	25-31-44		
1.5 in. Slot Width	2 Slot 8 in. Inlet	2 ft	Air flow, cfm	120	160	200	240	280	320	360	
			Total Pressure	0.027	0.048	0.076	0.109	0.148	0.194	0.245	
			Static Pressure	0.020	0.035	0.055	0.080	0.108	0.142	0.179	
			NC (Noise Criteria)	-	-	18	23	27	31	35	
			Throw	3-6-21	5-10-25	7-16-28	10-21-30	14-23-33	18-25-35	21-26-37	
			4 ft	Air flow, cfm	240	310	380	450	520	590	660
			Total Pressure	0.065	0.108	0.163	0.228	0.304	0.392	0.490	
			Static Pressure	0.035	0.059	0.089	0.124	0.166	0.214	0.268	
			NC (Noise Criteria)	-	21	27	32	36	40	43	
		Throw	2-5-20	4-9-26	6-13-29	8-18-31	11-24-34	14-25-36	17-27-38		
		5 ft	Air flow, cfm	300	370	440	510	580	650	720	
		Total Pressure	0.085	0.130	0.183	0.246	0.318	0.400	0.491		
		Static Pressure	0.039	0.060	0.084	0.113	0.146	0.184	0.226		
		NC (Noise Criteria)	17	23	28	33	36	40	43		
		Throw	2-5-21	3-8-26	5-11-28	7-15-31	9-19-33	11-24-34	13-26-36		
1.5 in. Slot Width	2 Slot 12 in. Inlet	2 ft	Air flow, cfm	120	170	220	270	320	370	420	
			Total Pressure	0.012	0.025	0.042	0.063	0.088	0.118	0.152	
			Static Pressure	0.011	0.022	0.037	0.055	0.078	0.104	0.134	
			NC (Noise Criteria)	-	-	-	17	22	26	30	
			Throw	3-6-21	5-11-26	9-19-29	13-23-32	18-25-35	22-27-38	23-28-40	
			4 ft	Air flow, cfm	240	320	400	480	560	640	720
			Total Pressure	0.023	0.040	0.063	0.091	0.124	0.162	0.204	
			Static Pressure	0.017	0.030	0.047	0.068	0.092	0.120	0.152	
			NC (Noise Criteria)	-	-	-	20	25	29	32	
		Throw	2-5-20	4-9-26	6-14-29	9-20-32	12-25-35	16-26-37	20-28-40		
		5 ft	Air flow, cfm	300	400	500	600	700	800	900	
		Total Pressure	0.030	0.053	0.083	0.120	0.164	0.214	0.270		
		Static Pressure	0.021	0.037	0.058	0.084	0.114	0.149	0.188		
		NC (Noise Criteria)	-	-	19	24	28	32	36		
		Throw	2-5-21	4-9-27	6-14-30	9-21-33	12-25-36	16-27-38	21-29-41		

For performance notes, see page A36.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Imperial Units

2 Slot with Engineered Plenum

2.0 in. Slot Width	2 Slot 8 in. Inlet	2 ft	Air flow, cfm	120	165	210	255	300	345	390	
			Total Pressure	0.022	0.041	0.067	0.098	0.136	0.180	0.230	
			Static Pressure	0.014	0.027	0.044	0.065	0.090	0.119	0.152	
			NC (Noise Criteria)	-	-	-	21	25	29	33	
			Throw	1-3-13	3-6-23	4-10-25	6-14-28	9-20-30	12-23-33	15-25-35	
			4 ft	Air flow, cfm	240	300	360	420	480	540	600
			Total Pressure	0.053	0.083	0.119	0.162	0.212	0.269	0.332	
			Static Pressure	0.024	0.037	0.053	0.072	0.094	0.119	0.147	
			NC (Noise Criteria)	-	17	22	27	30	34	37	
		Throw	1-3-12	2-5-18	3-6-25	4-9-27	5-12-29	6-15-31	8-18-32		
		5 ft	Air flow, cfm	260	325	390	455	520	585	650	
		Total Pressure	0.055	0.086	0.125	0.170	0.221	0.280	0.346		
		Static Pressure	0.021	0.032	0.047	0.064	0.083	0.105	0.130		
		NC (Noise Criteria)	-	17	22	27	31	34	37		
		Throw	1-2-9	2-3-14	2-5-20	3-7-26	4-9-28	5-11-29	6-14-31		
2.0 in. Slot Width	2Slot 12 in. Inlet	2 ft	Air flow, cfm	120	195	270	345	420	495	570	
			Total Pressure	0.009	0.023	0.044	0.072	0.107	0.149	0.197	
			Static Pressure	0.007	0.019	0.037	0.060	0.089	0.124	0.164	
			NC (Noise Criteria)	-	-	-	18	24	29	33	
			Throw	1-3-13	4-8-25	7-16-29	12-23-33	17-25-36	23-28-39	24-30-42	
			4 ft	Air flow, cfm	240	330	420	510	600	690	780
			Total Pressure	0.019	0.036	0.058	0.085	0.118	0.156	0.200	
			Static Pressure	0.013	0.025	0.040	0.059	0.082	0.108	0.138	
			NC (Noise Criteria)	-	-	-	19	24	28	31	
		Throw	1-3-12	2-5-22	4-9-27	6-13-30	8-18-32	11-24-35	14-26-37		
		5 ft	Air flow, cfm	280	380	480	580	680	780	880	
		Total Pressure	0.021	0.039	0.063	0.092	0.126	0.166	0.211		
		Static Pressure	0.013	0.025	0.040	0.058	0.080	0.105	0.133		
		NC (Noise Criteria)	-	-	-	19	24	28	32		
		Throw	1-3-10	2-5-19	3-7-27	5-11-29	7-15-32	9-20-34	11-25-36		
2.5 in. Slot Width	2Slot 10 in. Inlet	2 ft	Air flow, cfm	80	160	240	320	400	480	560	
			Total Pressure	0.005	0.019	0.042	0.075	0.117	0.169	0.230	
			Static Pressure	0.003	0.013	0.030	0.054	0.084	0.121	0.165	
			NC (Noise Criteria)	-	-	-	17	24	29	34	
			Throw	0-1-4	2-4-15	4-8-25	6-15-29	10-23-32	15-25-35	20-27-38	
			4 ft	Air flow, cfm	160	280	400	520	640	760	880
			Total Pressure	0.011	0.035	0.070	0.119	0.180	0.254	0.341	
			Static Pressure	0.006	0.018	0.037	0.062	0.095	0.133	0.179	
			NC (Noise Criteria)	-	-	-	23	29	34	38	
		Throw	0-1-3	1-3-10	2-5-20	4-9-28	6-13-31	8-18-33	11-25-36		
		5 ft	Air flow, cfm	200	335	470	605	740	875	1010	
		Total Pressure	0.015	0.042	0.083	0.138	0.207	0.289	0.385		
		Static Pressure	0.007	0.019	0.037	0.061	0.092	0.129	0.171		
		NC (Noise Criteria)	-	-	17	24	30	35	39		
		Throw	0-1-3	1-2-9	2-5-18	3-7-27	5-11-30	7-16-33	9-21-35		
2.5 in. Slot Width	2Slot 12 in. Inlet	2 ft	Air flow, cfm	80	170	260	350	440	530	620	
			Total Pressure	0.003	0.014	0.032	0.059	0.093	0.135	0.185	
			Static Pressure	0.002	0.011	0.026	0.046	0.073	0.107	0.146	
			NC (Noise Criteria)	-	-	-	-	21	27	31	
			Throw	0-1-4	2-4-16	4-10-26	8-17-30	12-24-34	18-26-37	23-28-40	
			4 ft	Air flow, cfm	160	295	430	565	700	835	970
			Total Pressure	0.007	0.023	0.050	0.086	0.131	0.187	0.252	
			Static Pressure	0.004	0.015	0.031	0.053	0.082	0.116	0.157	
			NC (Noise Criteria)	-	-	-	18	25	30	34	
		Throw	0-1-3	1-3-11	3-6-24	5-10-29	7-16-32	10-22-35	13-27-38		
		5 ft	Air flow, cfm	200	350	500	650	800	950	1100	
		Total Pressure	0.009	0.028	0.058	0.098	0.149	0.210	0.281		
		Static Pressure	0.005	0.016	0.033	0.056	0.084	0.119	0.159		
		NC (Noise Criteria)	-	-	-	20	26	31	35		
		Throw	0-1-3	1-3-10	2-5-20	4-9-28	6-13-31	8-18-34	11-25-37		

For performance notes, see page A36.

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All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimeter.

LINEAR DIFFUSERS AND GRILLES

Custom Flow Linear Adjusta-slot AS c/w ASP and AST



Performance Data - Imperial Units 2 Slot with Engineered Plenum

3.0 in. Slot Width	2 Slot 10 in. Inlet	2 ft	Air flow, cfm	80	180	280	380	480	580	680
			Total Pressure	0.004	0.021	0.051	0.094	0.150	0.219	0.301
			Static Pressure	0.003	0.014	0.035	0.064	0.102	0.148	0.204
			NC (Noise Criteria)	-	-	-	20	27	32	37
			Throw	0-1-3	1-3-13	3-8-25	6-14-29	10-23-33	15-26-36	20-28-39
3.0 in. Slot Width	2 Slot 10 in. Inlet	4 ft	Air flow, cfm	150	300	450	600	750	900	1050
			Total Pressure	0.009	0.035	0.079	0.140	0.218	0.314	0.428
			Static Pressure	0.004	0.016	0.036	0.064	0.100	0.145	0.197
			NC (Noise Criteria)	-	-	16	24	31	36	41
			Throw	0-0-2	1-2-8	2-4-18	4-8-28	6-12-31	8-18-34	11-24-37
3.0 in. Slot Width	2 Slot 10 in. Inlet	5 ft	Air flow, cfm	180	350	520	690	860	1030	1200
			Total Pressure	0.011	0.042	0.094	0.165	0.256	0.367	0.498
			Static Pressure	0.004	0.017	0.037	0.065	0.101	0.145	0.196
			NC (Noise Criteria)	-	-	18	27	33	38	43
			Throw	0-0-2	1-2-7	2-4-15	3-7-27	5-10-30	7-15-33	9-20-36
3.0 in. Slot Width	2 Slot 12 in. Inlet	2 ft	Air flow, cfm	80	180	280	380	480	580	680
			Total Pressure	0.003	0.013	0.033	0.060	0.096	0.140	0.192
			Static Pressure	0.002	0.010	0.025	0.045	0.072	0.106	0.145
			NC (Noise Criteria)	-	-	-	-	21	27	31
			Throw	0-1-3	1-3-13	3-8-25	6-14-29	10-23-33	15-26-36	20-28-39
3.0 in. Slot Width	2 Slot 12 in. Inlet	4 ft	Air flow, cfm	150	310	470	630	790	950	1110
			Total Pressure	0.005	0.023	0.054	0.096	0.151	0.219	0.299
			Static Pressure	0.003	0.014	0.031	0.056	0.088	0.128	0.175
			NC (Noise Criteria)	-	-	-	20	26	32	36
			Throw	0-0-2	1-2-8	2-5-20	4-9-28	6-14-32	9-20-35	12-27-38
3.0 in. Slot Width	2 Slot 12 in. Inlet	5 ft	Air flow, cfm	180	360	540	720	900	1080	1260
			Total Pressure	0.007	0.026	0.059	0.105	0.164	0.236	0.321
			Static Pressure	0.003	0.013	0.030	0.052	0.082	0.118	0.161
			NC (Noise Criteria)	-	-	-	21	27	32	37
			Throw	0-0-2	1-2-7	2-4-17	3-7-28	5-11-31	7-17-34	10-23-37

Performance Notes

1. Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Adjusta-slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in in. w.g.
5. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
6. Throw data is based on supply air and room air being at isothermal conditions.
7. Throw values are based on 1 way air pattern. For 2 way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
8. NC values are based on a room absorption of 10 dB re 10⁻¹² watts and one diffuser.
9. Blanks (-) indicate an NC level below 15.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Metric Units

2 Slot with Engineered Plenum

25 mm Slot Width	2 Slot 205 mm inlet	600 mm	Airflow L/s	35	55	75	95	115	135	155
			Total Pressure	3	9	16	26	39	54	70
			Static Pressure	3	7	13	21	31	43	57
			NC	--	--	16	23	29	34	38
		Throw (m)	1-1-6	2-4-8	3-6-9	5-7-10	6-8-11	7-8-12	7-9-13	
		1200 mm	Airflow L/s	70	105	140	175	210	245	280
			Total Pressure	8	18	31	49	71	97	126
			Static Pressure	5	11	20	32	46	62	81
			NC	--	16	24	31	36	40	44
Throw (m)	1-1-5	1-3-8	2-5-9	4-7-10	5-8-11	7-8-12	7-9-13			
1500 mm	Airflow L/s	90	130	170	210	250	290	330		
	Total Pressure	11	23	39	60	85	115	149		
	Static Pressure	6	13	23	35	49	66	86		
	NC	--	19	27	33	38	43	46		
Throw (m)	1-1-6	1-3-8	2-5-9	3-7-10	5-8-11	6-8-12	7-9-13			
25 mm Slot Width	2 Slot 255 mm inlet	600 mm	Airflow L/s	35	60	85	110	135	160	185
			Total Pressure	2	7	14	24	36	51	68
			Static Pressure	2	6	13	21	32	45	60
			NC	--	--	16	23	29	34	39
		Throw (m)	1-1-6	2-4-8	4-7-9	6-8-11	7-8-12	7-9-13	8-10-14	
		1200 mm	Airflow L/s	80	115	150	185	220	255	290
			Total Pressure	6	13	21	33	46	62	80
			Static Pressure	4	10	16	25	35	47	61
			NC	--	--	20	26	31	35	39
Throw (m)	1-2-7	2-4-8	3-6-9	4-7-10	6-8-11	7-9-12	7-9-13			
1500 mm	Airflow L/s	95	140	185	230	275	320	365		
	Total Pressure	7	15	27	42	60	81	106		
	Static Pressure	5	11	19	30	42	57	75		
	NC	--	--	23	29	34	39	42		
Throw (m)	1-2-6	2-3-8	3-6-10	4-8-11	6-8-12	7-9-13	8-9-13			
38 mm Slot Width	2 Slot 205 mm inlet	600 mm	Airflow L/s	55	75	95	115	135	155	175
			Total Pressure	6	12	19	28	39	51	65
			Static Pressure	5	9	14	21	28	37	48
			NC	--	--	18	23	28	32	36
		Throw (m)	1-2-6	1-3-8	2-5-8	3-7-9	4-7-10	6-8-11	7-8-12	
		1200 mm	Airflow L/s	110	145	180	215	245	285	320
			Total Pressure	15	26	39	56	73	99	124
			Static Pressure	8	14	21	30	39	52	66
			NC	--	20	27	32	36	40	43
Throw (m)	1-1-6	1-3-8	2-4-9	2-6-10	3-7-10	4-8-11	6-8-12			
1500 mm	Airflow L/s	135	170	205	240	275	310	345		
	Total Pressure	20	31	45	62	81	104	128		
	Static Pressure	9	15	21	29	38	49	60		
	NC	16	23	28	33	37	40	44		
Throw (m)	1-1-6	1-2-8	1-3-9	2-4-9	3-6-10	3-7-11	4-8-11			
38 mm Slot Width	2 Slot 305 mm inlet	600 mm	Airflow L/s	55	80	105	130	155	180	205
			Total Pressure	3	6	10	15	22	30	39
			Static Pressure	2	5	9	14	19	26	34
			NC	--	--	--	17	22	26	30
		Throw (m)	1-2-6	2-3-8	3-6-9	4-7-10	6-8-11	7-8-12	7-9-12	
		1200 mm	Airflow L/s	110	150	190	230	270	310	350
			Total Pressure	5	10	16	24	33	43	55
			Static Pressure	4	8	12	18	25	32	41
			NC	--	--	16	21	26	30	33
Throw (m)	1-1-6	1-3-8	2-4-9	3-6-10	4-8-11	5-8-11	7-9-12			
1500 mm	Airflow L/s	145	190	235	280	325	370	415		
	Total Pressure	8	13	21	29	40	51	65		
	Static Pressure	6	9	14	21	28	36	45		
	NC	--	--	19	24	28	32	35		
Throw (m)	1-2-7	1-3-8	2-4-9	3-6-10	4-8-11	5-8-12	6-9-12			

For performance notes, see page A39.

Performance Data - Metric Units 2 Slot with Engineered Plenum

Slot Width	Inlet	Slot Length	Flow Rate (L/s)							
			60	80	100	120	140	160	180	
51 mm	2 Slot 205 mm inlet	600 mm	Airflow L/s	60	80	100	120	140	160	180
		Total Pressure	6	11	17	24	33	43	55	
		Static Pressure	4	7	11	16	22	28	36	
	1200 mm	Airflow L/s	110	140	170	200	230	260	290	
		Total Pressure	13	20	30	42	56	71	88	
		Static Pressure	6	9	14	19	25	32	40	
	1500 mm	Airflow L/s	125	155	185	215	245	275	305	
		Total Pressure	15	23	33	45	58	73	90	
		Static Pressure	6	9	13	18	24	30	37	
51 mm	2 Slot 305 mm inlet	600 mm	Airflow L/s	60	95	130	165	200	235	270
		Total Pressure	2	6	11	18	26	36	48	
		Static Pressure	2	5	9	15	22	30	40	
	1200 mm	Airflow L/s	110	155	200	245	290	335	380	
		Total Pressure	4	8	14	21	30	40	52	
		Static Pressure	3	6	10	15	20	27	35	
	1500 mm	Airflow L/s	135	180	225	270	315	360	405	
		Total Pressure	5	10	15	22	30	39	49	
		Static Pressure	3	6	9	14	18	24	31	
64 mm	2 Slot 255 mm inlet	600 mm	Airflow L/s	30	70	110	150	190	230	270
		Total Pressure	1	4	10	19	30	44	61	
		Static Pressure	1	3	7	13	22	32	44	
	1200 mm	Airflow L/s	80	135	190	245	300	355	410	
		Total Pressure	3	9	17	29	43	61	81	
		Static Pressure	1	4	9	15	22	31	42	
	1500 mm	Airflow L/s	90	155	220	285	350	415	480	
		Total Pressure	3	10	21	35	53	74	99	
		Static Pressure	2	5	10	16	24	34	45	
64 mm	2 Slot 305 mm inlet	600 mm	Airflow L/s	35	80	125	170	215	260	305
		Total Pressure	1	3	8	16	25	37	51	
		Static Pressure	1	3	7	12	20	29	40	
	1200 mm	Airflow L/s	70	135	200	265	330	395	460	
		Total Pressure	1	5	12	21	33	47	63	
		Static Pressure	1	3	7	13	20	29	39	
	1500 mm	Airflow L/s	95	165	235	305	375	445	515	
		Total Pressure	2	7	14	24	36	51	68	
		Static Pressure	1	4	8	13	20	28	38	

For performance notes, see page A39.

Custom Flow Linear

Adjusta-slot

AS c/w ASP and AST



Performance Data - Metric Units

2 Slot with Engineered Plenum

76 mm Slot Width	2 Slot 255 mm inlet	600 mm	Airflow L/s	40	85	130	175	220	265	310
			Total Pressure	1	5	12	22	35	50	69
			Static Pressure	1	4	8	15	23	34	46
			NC	--	--	--	19	26	31	36
		Throw (m)	0.1-0.2-1	0.4-1-4	1-2-8	2-4-9	3-7-10	4-8-11	6-8-12	
		1200 mm	Airflow L/s	70	140	210	280	350	415	490
			Total Pressure	2	8	19	34	54	76	105
			Static Pressure	1	4	9	16	25	35	49
			NC	--	--	16	24	31	36	41
Throw (m)	0.1-0.1-1	0.3-1-2	1-1-5	1-2-8	2-4-9	2-5-10	3-7-11			
1500 mm	Airflow L/s	85	165	245	325	405	485	565		
	Total Pressure	3	11	24	42	66	95	128		
	Static Pressure	1	5	10	18	28	40	54		
	NC	--	--	19	27	34	39	43		
Throw (m)	0.1-0.1-1	0.2-0.5-2	0.5-1-5	1-2-8	1-3-9	2-5-10	3-6-11			
76 mm Slot Width	2 Slot 305 mm inlet	600 mm	Airflow L/s	40	85	130	175	220	265	310
			Total Pressure	1	3	8	14	23	33	45
			Static Pressure	1	3	6	11	17	25	34
			NC	--	--	--	--	21	26	31
		Throw (m)	0.1-0.2-1	0.4-1-4	1-2-8	2-4-9	3-7-10	4-8-11	6-8-12	
		1200 mm	Airflow L/s	70	145	220	295	370	445	520
			Total Pressure	1	5	13	23	36	52	71
			Static Pressure	1	3	7	13	20	29	40
			NC	--	--	--	19	26	31	35
Throw (m)	0.1-0.1-1	0.3-1-3	1-1-6	1-3-9	2-4-10	3-6-11	4-8-11			
1500 mm	Airflow L/s	85	170	255	340	425	510	595		
	Total Pressure	2	7	15	26	41	60	81		
	Static Pressure	1	3	8	13	21	30	41		
	NC	--	--	--	21	27	33	37		
Throw (m)	0.1-0.1-1	0.2-1-2	1-1-5	1-2-8	2-4-9	2-5-10	3-7-11			

Performance Notes

- Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Data is based on Adjusta Slot complete with Price Engineered Plenums (insulated) as a composite assembly.
- Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
- All pressures are in pascals.
- Throw values are given for terminal velocities of 0.75 m/s, 0.5 m/s, 0.25 m/s.
- Throw data based on supply air and room air being at isothermal conditions.
- Throw values are based on 1-way air pattern. For 2-way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
- NC values are based on a room absorption of 10 dB re 10⁻¹² watts.
- Blanks (-) indicate an NC level below 15.
- Noise Criteria (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices.
- All pressures are in Pascals, Pa.

Custom Flow Linear Adjusta-slot ASM Series



Performance Data - 1 in. [25] Width / 1 Slot

		Neck Velocity, fpm	300	400	500	600	700	800	900
1 in. Slot Width	6 in. dia. Inlet	Velocity Pressure, in. w.g.	0.006	0.010	0.016	0.022	0.031	0.040	0.050
		Air flow, cfm	59	78	98	118	137	157	176
		Total Pressure, in. w.g.	0.014	0.024	0.038	0.054	0.074	0.096	0.122
		NC	-	-	-	-	18	22	26
		Throw, feet	2-3-7	3-4-9	4-5-11	4-7-13	5-8-15	6-9-16	7-10-17
1 in. Slot Width	8 in. dia. Inlet	Air flow, cfm	105	140	175	209	244	279	314
		Total Pressure, in. w.g.	0.032	0.056	0.088	0.127	0.173	0.226	0.286
		NC	-	19	26	31	36	40	43
		Throw, feet	4-6-12	5-8-15	6-10-17	8-12-19	9-14-20	10-15-22	12-16-23
		1 in. Slot Width	10 in. dia. inlet	Air flow, cfm	164	218	273	327	382
Total Pressure, in. w.g.	0.061			0.109	0.171	0.246	0.335	0.437	0.553
NC	24			32	39	45	49	53	57
Throw, feet	6-9-16			8-12-19	10-15-21	12-16-23	14-18-25	16-19-27	16-20-29

Performance Notes

1. Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in in. w.g.
3. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
4. Throw data is based on supply air and room air being at isothermal conditions.
5. NC values are based on a room absorption of 10 dB re 10⁻¹² watts.
6. Blanks (-) indicate an NC level below 15.

Custom Flow Linear Jet-slot JS Series (100% Open)



Performance Data - Imperial Units Pressurized Ceiling Plenum (Non-Ducted)

Slot Width	Slot	Air flow, cfm/ft	20	40	60	80	100	120	140
		1	Static Pressure	0.004	0.017	0.038	0.068	0.106	0.153
1.0 in.	1	NC (Noise Criteria)	-	-	-	-	22	28	33
		Throw	1-3-9	4-9-19	9-14-26	13-19-30	16-24-34	19-26-37	22-28-40
1.0 in.	2	Air flow, cfm/ft	40	85	130	175	220	265	310
		Static Pressure	0.005	0.022	0.053	0.095	0.151	0.218	0.299
1.0 in.	2	NC (Noise Criteria)	-	-	-	23	31	37	42
		Throw	2-4-15	8-16-29	17-25-36	23-29-41	27-33-46	29-36-51	32-39-55
1.5 in.	1	Air flow, cfm/ft	30	60	90	120	150	180	210
		Static Pressure	0.005	0.019	0.042	0.075	0.117	0.168	0.229
1.5 in.	1	NC (Noise Criteria)	-	-	-	18	25	31	36
		Throw	1-3-11	5-11-22	11-17-31	15-22-36	19-28-40	22-31-44	26-33-47
1.5 in.	2	Air flow, cfm/ft	60	120	180	240	300	360	420
		Static Pressure	0.005	0.022	0.049	0.087	0.136	0.195	0.266
1.5 in.	2	NC (Noise Criteria)	-	-	-	24	31	37	42
		Throw	2-5-18	8-18-33	18-28-40	25-33-46	30-37-52	33-40-57	35-43-61
2.0 in.	1	Air flow, cfm/ft	35	75	115	155	195	235	275
		Static Pressure	0.004	0.017	0.041	0.075	0.118	0.172	0.235
2.0 in.	1	NC (Noise Criteria)	-	-	-	19	27	33	38
		Throw	1-2-9	5-11-24	11-18-34	16-25-39	21-31-44	25-34-48	29-37-52
2.0 in.	2	Air flow, cfm/ft	70	150	230	310	390	470	550
		Static Pressure	0.004	0.020	0.048	0.086	0.137	0.199	0.272
2.0 in.	2	NC (Noise Criteria)	-	-	-	25	33	39	44
		Throw	2-4-15	8-17-35	18-30-44	27-36-51	33-40-57	36-44-63	39-48-68
2.5 in.	1	Air flow, cfm/ft	40	95	150	205	260	315	370
		Static Pressure	0.003	0.019	0.047	0.088	0.141	0.207	0.286
2.5 in.	1	NC (Noise Criteria)	-	-	-	23	31	37	43
		Throw	1-2-8	5-12-26	13-21-37	19-29-44	24-35-49	29-38-54	34-42-59
2.5 in.	2	Air flow, cfm/ft	80	190	300	410	520	630	740
		Static Pressure	0.004	0.022	0.054	0.101	0.163	0.239	0.330
2.5 in.	2	NC (Noise Criteria)	-	-	18	29	37	43	48
		Throw	1-3-13	8-19-39	21-34-49	31-40-57	37-45-64	41-50-70	44-54-76
3.0 in.	1	Air flow, cfm/ft	50	115	180	245	310	375	440
		Static Pressure	0.004	0.020	0.049	0.090	0.145	0.212	0.292
3.0 in.	1	NC (Noise Criteria)	-	-	-	24	32	38	44
		Throw	1-2-9	6-13-29	14-23-40	20-31-47	26-37-53	31-41-58	36-44-63
3.0 in.	2	Air flow, cfm/ft	100	230	360	490	620	750	880
		Static Pressure	0.004	0.023	0.056	0.104	0.167	0.244	0.336
3.0 in.	2	NC (Noise Criteria)	-	-	20	30	38	44	49
		Throw	2-4-15	9-20-42	22-37-52	34-43-61	39-48-68	43-53-75	47-58-82

Performance Notes

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Data is based on pressurized ceiling plenum application with no plenum effect for pressure or sound.
- All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw data is based on active sections 4 ft long. For other lengths refer to Table A.
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw values are based on pattern controllers set 100% open.
- NC values are based on a room absorption of 10 dB, re 10⁻¹² watts, for a 4 ft section. For other lengths refer to Table B.
- For supply units used as a return add 3 NC.
- Blanks (-) indicate an NC level below 15.

Table A. Throw Correction Multiplier for Length

Length, ft	2	4	8	12
Throw Correction	0.8	1.0	1.3	1.5

Table B. NC Correction for Length

Length, ft	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Custom Flow Linear Jet-slot JS Series (100% Open)



Performance Data - Metric Units Pressurized Ceiling Plenum (Non-Ducted)

LINEAR DIFFUSERS AND GRILLES

Slot Width	Slots	Performance Data															
		Airflow Rate (L/s)/m	Static Pressure NC	Throw (m)	Airflow Rate (L/s)/m	Static Pressure NC	Throw (m)	Airflow Rate (L/s)/m	Static Pressure NC	Throw (m)							
25 mm	1	Airflow Rate (L/s)/m	35	65	95	125	155	185	215	Airflow Rate (L/s)/m	60	130	200	270	340	410	480
		Static Pressure NC	2	4	9	17	26	38	52	Static Pressure NC	1	5	13	24	38	54	57
		Throw (m)	--	--	--	--	22	28	33	Throw (m)	--	--	--	23	31	37	42
		Throw (m) - Continuous	0.5-1-3	1-3-6	3-4-8	4-6-9	5-7-11	6-8-11	7-9-12	Throw (m) - Continuous	1-2-4	2-4-9	4-6-12	6-9-14	7-11-16	9-12-17	10-13-18
	2	Airflow Rate (L/s)/m	60	130	200	270	340	410	480	Airflow Rate (L/s)/m	90	185	280	375	470	565	660
		Static Pressure NC	1	5	13	24	38	54	57	Static Pressure NC	1	5	12	22	34	49	66
38 mm	1	Throw (m)	--	--	--	--	18	25	31	Throw (m)	--	--	--	24	31	37	42
		Throw (m) - Continuous	0.3-1-3	2-3-7	3-5-9	5-7-11	6-9-12	7-9-13	8-10-14	Throw (m) - Continuous	0.5-1-5	2-5-10	5-8-14	7-10-16	9-13-18	10-14-20	12-15-21
		Airflow Rate (L/s)/m	50	95	140	185	230	275	320	Airflow Rate (L/s)/m	90	185	280	375	470	565	660
		Static Pressure NC	1	5	10	19	29	42	57	Static Pressure NC	1	5	12	22	34	49	66
	2	Throw (m)	1-1-5	2-5-9	5-8-11	7-9-12	8-10-14	9-11-16	10-12-17	Throw (m)	1-2-5	2-5-10	5-9-12	8-10-14	9-11-16	10-12-18	11-13-19
		Throw (m) - Continuous	1-2-7	4-7-13	8-11-16	11-13-19	12-15-21	13-16-23	15-18-25	Throw (m) - Continuous	1-2-8	4-8-15	8-13-18	11-15-21	14-17-24	15-18-26	16-20-28
51 mm	1	Airflow Rate (L/s)/m	55	115	175	235	295	355	415	Airflow Rate (L/s)/m	110	235	360	485	610	735	860
		Static Pressure NC	1	4	10	19	29	43	59	Static Pressure NC	1	5	12	21	34	50	68
		Throw (m)	--	--	--	19	27	33	38	Throw (m)	--	--	--	25	33	39	44
		Throw (m) - Continuous	0.4-1-3	2-3-7	3-5-10	5-8-12	6-9-13	8-10-15	9-11-16	Throw (m) - Continuous	1-1-4	2-5-11	5-8-15	7-11-18	10-14-20	11-16-22	13-17-24
	2	Airflow Rate (L/s)/m	110	235	360	485	610	735	860	Airflow Rate (L/s)/m	125	295	465	635	805	975	1145
		Static Pressure NC	1	5	12	21	34	50	68	Static Pressure NC	1	5	13	25	41	60	82
64 mm	1	Throw (m)	1-1-5	2-5-11	5-9-14	8-11-16	10-12-17	11-13-19	12-15-21	Throw (m)	0.3-1-4	2-6-12	6-10-15	9-12-17	11-14-20	12-15-21	13-16-23
		Throw (m) - Continuous	1-2-7	4-8-16	8-14-20	12-17-23	15-18-26	16-20-29	18-22-31	Throw (m) - Continuous	0.5-1-6	4-9-18	10-16-23	14-18-26	17-21-29	19-23-32	20-25-35
		Airflow Rate (L/s)/m	65	150	235	320	405	490	575	Airflow Rate (L/s)/m	125	295	465	635	805	975	1145
		Static Pressure NC	1	5	12	22	35	52	71	Static Pressure NC	1	5	13	25	41	60	82
	2	Throw (m)	--	--	--	23	31	37	43	Throw (m)	--	--	18	29	37	43	48
		Throw (m) - Continuous	0.4-1-2	2-4-8	4-6-11	6-9-14	7-11-15	9-12-16	10-13-18	Throw (m) - Continuous	0.3-1-4	2-6-12	6-10-15	9-12-17	11-14-20	12-15-21	13-16-23
76 mm	1	Throw (m) - Continuous	1-1-4	2-5-12	6-10-17	9-13-20	11-16-22	13-17-25	16-19-27	Throw (m) - Continuous	0.5-1-6	4-9-18	10-16-23	14-18-26	17-21-29	19-23-32	20-25-35
		Airflow Rate (L/s)/m	80	180	280	380	480	580	680	Airflow Rate (L/s)/m	150	350	550	750	950	1150	1350
		Static Pressure NC	1	5	12	22	36	53	73	Static Pressure NC	1	6	14	26	42	61	84
		Throw (m)	--	--	--	24	32	38	44	Throw (m)	--	--	20	30	38	44	49
	2	Throw (m)	0.4-1-3	2-4-9	4-7-12	6-9-14	8-11-16	9-12-18	11-13-19	Throw (m)	1-1-5	3-6-13	7-11-16	10-13-19	12-15-21	13-16-23	14-18-25
		Throw (m) - Continuous	1-1-4	3-6-13	6-11-18	9-14-21	12-17-24	14-19-27	16-20-29	Throw (m) - Continuous	1-2-7	4-9-20	10-18-25	16-20-29	18-23-32	20-25-35	22-27-39

Performance Notes

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
- Data is based on pressurized ceiling plenum application with no plenum effect for pressure or sound.
- Throw projection is in metres to terminal velocities of 0.75 m/s minimum, 0.5 m/s middle, and 0.25 m/s maximum.
- Throw data based on supply air and room air being at isothermal conditions.
- Throw data based on active sections 1.2 m long and 4 m continuous application. For other lengths refer to Table A.
- Throw values are based on pattern controllers set 100% open.
- Noise Criteria (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices.
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² watts, for a 1.2 m section. For other lengths refer to Table B.
- For supply units used as a return add 3 NC.
- Blanks (-) indicate an NC level below 15.
- All pressures are in Pascals, Pa.

Table A. Throw Correction Multiplier for Length

Length, Meters	0.6	1.2	2.4	3.7
Throw Correction	0.8	1.0	1.3	1.5

Table B. NC Correction for Length

Length, Meters	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Custom Flow Linear Jet-slot



JS Series (50% Open - requires dual layer pattern controller option)

Performance Data - Imperial Units Pressurized Ceiling Plenum (Non-Ducted)

Slot Width	Slot	Air flow, cfm/ft	20	30	40	50	60	70	80
		Static Pressure	0.009	0.021	0.037	0.058	0.083	0.113	0.148
1.0 in.	1 Slot	NC (Noise Criteria)	-	-	-	-	18	23	
		Throw	4-7-14	7-11-20	9-14-23	12-18-26	14-20-29	16-22-31	19-23-33
1.0 in.	2 Slot	Air flow, cfm/ft	45	65	90	110	135	155	175
		Static Pressure	0.015	0.032	0.061	0.091	0.136	0.180	0.229
1.0 in.	2 Slot	NC (Noise Criteria)	-	-	-	18	25	30	34
		Throw	8-13-23	12-19-27	17-23-32	21-25-36	23-28-40	24-30-42	26-32-45
1.5 in.	1 Slot	Air flow, cfm/ft	30	45	60	75	90	105	130
		Static Pressure	0.011	0.024	0.043	0.068	0.097	0.132	0.203
1.5 in.	1 Slot	NC (Noise Criteria)	-	-	-	-	17	23	30
		Throw	4-8-17	8-12-24	11-17-27	14-21-31	17-24-33	19-26-36	23-28-40
1.5 in.	2 Slot	Air flow, cfm/ft	60	90	120	150	180	210	240
		Static Pressure	0.014	0.031	0.055	0.086	0.123	0.168	0.219
1.5 in.	2 Slot	NC (Noise Criteria)	-	-	-	19	26	31	36
		Throw	7-14-25	14-21-31	18-25-36	23-28-40	25-31-44	27-33-47	29-36-50
2.0 in.	1 Slot	Air flow, cfm/ft	40	60	80	100	120	140	160
		Static Pressure	0.012	0.027	0.048	0.075	0.108	0.147	0.192
2.0 in.	1 Slot	NC (Noise Criteria)	-	-	-	-	21	26	31
		Throw	4-9-19	9-14-26	13-19-30	16-24-34	19-26-37	22-28-40	25-30-43
2.0 in.	2 Slot	Air flow, cfm/ft	75	115	155	185	235	275	315
		Static Pressure	0.013	0.031	0.056	0.080	0.130	0.177	0.233
2.0 in.	2 Slot	NC (Noise Criteria)	-	-	-	20	28	34	39
		Throw	6-14-27	15-22-34	20-28-39	24-30-43	28-34-48	30-37-52	32-39-56
2.5 in.	1 Slot	Air flow, cfm/ft	50	75	100	125	150	175	200
		Static Pressure	0.013	0.029	0.052	0.081	0.116	0.158	0.207
2.5 in.	1 Slot	NC (Noise Criteria)	-	-	-	17	23	29	33
		Throw	5-10-21	10-16-29	14-21-33	17-26-37	21-29-41	24-31-44	27-33-47
2.5 in.	2 Slot	Air flow, cfm/ft	95	150	205	260	315	370	425
		Static Pressure	0.014	0.036	0.067	0.108	0.159	0.220	0.290
2.5 in.	2 Slot	NC (Noise Criteria)	-	-	19	27	33	39	44
		Throw	7-16-30	17-26-37	23-31-44	28-35-49	31-38-54	34-42-59	36-44-63
3.0 in.	1 Slot	Air flow, cfm/ft	60	90	120	155	185	220	250
		Static Pressure	0.014	0.031	0.055	0.092	0.130	0.184	0.238
3.0 in.	1 Slot	NC (Noise Criteria)	-	-	-	20	27	33	37
		Throw	5-11-22	11-17-31	15-22-36	19-29-40	23-31-44	27-34-48	30-36-51
3.0 in.	2 Slot	Air flow, cfm/ft	115	180	245	310	375	440	505
		Static Pressure	0.016	0.038	0.071	0.113	0.165	0.227	0.300
3.0 in.	2 Slot	NC (Noise Criteria)	-	-	21	29	35	41	46
		Throw	7-17-32	18-28-40	25-33-47	30-37-53	33-41-58	36-44-63	39-47-67

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on pressurized ceiling plenum application with no plenum effect for pressure or sound.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. Throw data is based on active sections 4 ft long. For other lengths refer to Table A.
7. Throw values are based on pattern controllers set 50% open. This requires dual layer pattern controllers (DPC option) to be selected.
8. NC values are based on a room absorption of 10 dB, re 10⁻¹² watts, for a 4 ft section. For other lengths refer to Table B.
9. For supply units used as a return add 3 NC.
10. Blanks (-) indicate an NC level below 15.

Table A. Throw Correction Multiplier for Length

Length, ft	2	4	8	12
Throw Correction	0.8	1.0	1.3	1.5

Table B. NC Correction for Length

Length, ft	2	4	6	8	10
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Custom Flow Linear Jet-slot

JS Series (50% Open - requires dual layer pattern controller option)



Performance Data - Metric Units Pressurized Ceiling Plenum (Non-Ducted)

Slot Width	Slots	Airflow Rate (L/s)/m		Static Pressure		NC		Throw (m)	
		30	45	60	75	90	105	120	120
25 mm	1	Airflow Rate (L/s)/m	30	45	60	75	90	105	120
		Static Pressure	2	5	9	14	21	28	37
		NC	--	--	--	--	--	18	23
	2	Throw (m)	1-2-4	2-3-6	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10
		Throw (m) - Continuous	2-2-4	3-3-6	4-4-7	5-5-8	6-6-9	7-7-9	9-7-10
		Airflow Rate (L/s)/m	70	100	140	170	210	240	270
38 mm	1	Airflow Rate (L/s)/m	45	70	95	120	145	170	195
		Static Pressure	3	6	11	17	24	33	51
		NC	--	--	--	--	17	23	30
	2	Throw (m)	1-2-5	2-4-7	3-5-8	4-6-10	5-7-10	6-8-11	7-9-12
		Throw (m) - Continuous	2-4-8	4-5-11	5-8-12	6-10-14	8-11-15	9-12-16	11-13-18
		Airflow Rate (L/s)/m	95	140	185	240	285	330	375
51 mm	1	Airflow Rate (L/s)/m	65	95	125	155	185	215	245
		Static Pressure	3	7	12	19	27	37	48
		NC	--	--	--	--	21	26	31
	2	Throw (m)	1-3-6	3-4-8	4-6-9	5-7-10	6-8-11	7-9-12	8-9-13
		Throw (m) - Continuous	2-4-9	4-6-12	6-9-14	7-11-16	9-12-17	10-13-18	11-14-20
		Airflow Rate (L/s)/m	120	180	240	300	360	420	480
64 mm	1	Airflow Rate (L/s)/m	75	115	155	195	235	275	315
		Static Pressure	3	7	13	20	29	39	52
		NC	--	--	--	17	23	29	33
	2	Throw (m)	2-3-6	3-5-9	4-6-10	5-8-11	6-9-13	7-10-13	8-10-14
		Throw (m) - Continuous	2-5-10	5-7-13	6-10-15	8-12-17	10-13-19	11-14-20	13-15-21
		Airflow Rate (L/s)/m	145	230	315	400	485	570	655
76 mm	1	Airflow Rate (L/s)/m	90	140	190	240	290	340	390
		Static Pressure	3	8	14	23	32	46	59
		NC	--	--	15	20	27	33	37
	2	Throw (m)	2-3-7	3-5-10	5-7-11	6-9-12	7-9-13	8-10-15	9-11-16
		Throw (m) - Continuous	2-5-10	5-8-14	7-10-17	9-13-18	11-14-20	12-16-22	14-16-23
		Airflow Rate (L/s)/m	180	280	380	480	580	680	780
2	Static Pressure	4	9	18	28	41	57	75	
	NC	--	--	21	29	35	41	46	
	Throw (m)	2-5-10	5-9-12	8-10-14	9-11-16	10-12-18	11-13-19	12-14-20	
		Throw (m) - Continuous	3-8-15	8-13-18	11-15-22	14-17-24	15-19-27	16-20-29	18-21-31

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
2. Data is based on pressurized ceiling plenum application with no plenum effect for pressure or sound.
3. Throw projection is in metres to terminal velocities of 0.75 m/s minimum, 0.5 m/s middle, and 0.25 m/s maximum.
4. Throw data based on supply air and room air being at isothermal conditions.
5. Throw data based on active sections 1.2 m long and 4 m continuous application. For other lengths refer to Table A.
6. Throw values are based on pattern controllers set 100% open.
7. Noise Criteria (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices.
8. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² watts, for a 1.2 m section. For other lengths refer to Table B.
9. For supply units used as a return add 3 NC.
10. Blanks (--) indicate an NC level below 15.
11. All pressures are in Pascals, Pa.

Table A. Throw Correction Multiplier for Length

Length, Meters	0.6	1.2	2.4	3.7
Throw Correction	0.8	1.0	1.3	1.5

Table B. NC Correction for Length

Length, Meters	0.6	1.2	1.8	2.4	3.0
Supply	-2	0	+2	+3	+5
Return	0	+3	+5	+6	+8

Custom Flow Linear

Jet-slot

JS c/w JSP and JST (100% Open)



Performance Data - Imperial Units

1 Slot with Engineered Plenum

1.0 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.009	0.031	0.068	0.119	0.184	0.263	0.356
			Static Pressure	0.007	0.027	0.058	0.102	0.157	0.225	0.304
			NC (Noise Criteria)	-	-	16	25	32	38	43
		Throw	2-3-9	6-8-17	8-13-22	11-17-25	14-20-28	16-22-31	19-24-33	
		4 ft	Air flow, cfm	100	175	250	325	400	475	550
			Total Pressure	0.017	0.052	0.106	0.178	0.270	0.381	0.511
			Static Pressure	0.012	0.036	0.074	0.124	0.188	0.266	0.356
			NC (Noise Criteria)	-	-	19	28	34	40	45
Throw	2-4-12	5-10-21	10-15-27	13-19-31	16-24-34	19-26-37	22-28-40			
5 ft	Air flow, cfm	110	195	280	365	450	535	620		
	Total Pressure	0.018	0.056	0.116	0.198	0.301	0.425	0.571		
	Static Pressure	0.012	0.037	0.076	0.130	0.197	0.278	0.374		
	NC (Noise Criteria)	-	-	20	29	35	41	46		
Throw	1-3-11	5-10-20	9-15-28	13-19-32	16-23-35	19-27-38	21-29-41			
1.0 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.006	0.021	0.046	0.081	0.125	0.179	0.242
			Static Pressure	0.005	0.019	0.042	0.074	0.114	0.163	0.221
			NC (Noise Criteria)	-	-	-	22	29	34	39
		Throw	2-3-9	6-8-17	8-13-22	11-17-25	14-20-28	16-22-31	19-24-33	
		4 ft	Air flow, cfm	100	180	260	340	420	500	580
			Total Pressure	0.010	0.034	0.070	0.120	0.183	0.260	0.349
			Static Pressure	0.008	0.027	0.056	0.096	0.146	0.207	0.279
			NC (Noise Criteria)	-	-	-	23	30	36	41
Throw	2-4-12	6-11-21	10-15-27	13-20-31	16-25-35	20-27-38	23-29-41			
5 ft	Air flow, cfm	110	210	310	410	510	610	710		
	Total Pressure	0.010	0.037	0.081	0.142	0.220	0.315	0.426		
	Static Pressure	0.008	0.028	0.061	0.107	0.165	0.237	0.320		
	NC (Noise Criteria)	-	-	16	25	32	38	43		
Throw	1-3-11	5-11-22	11-16-29	14-21-34	18-26-37	21-29-41	25-31-44			
1.0 in. Slot Width	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	50	95	140	185	230	275	320
			Total Pressure	0.004	0.016	0.035	0.060	0.093	0.133	0.181
			Static Pressure	0.004	0.015	0.033	0.057	0.088	0.126	0.170
			NC (Noise Criteria)	-	-	-	19	26	31	36
		Throw	2-3-9	6-8-17	8-13-22	11-17-25	14-20-28	16-22-31	19-24-33	
		4 ft	Air flow, cfm	100	190	280	370	460	550	640
			Total Pressure	0.008	0.030	0.064	0.112	0.173	0.247	0.335
			Static Pressure	0.007	0.026	0.056	0.098	0.152	0.217	0.294
			NC (Noise Criteria)	-	-	16	25	32	37	42
Throw	2-4-12	6-11-22	11-16-28	15-22-33	18-26-37	22-28-40	25-30-43			
5 ft	Air flow, cfm	110	220	330	440	550	660	770		
	Total Pressure	0.007	0.028	0.064	0.114	0.178	0.256	0.348		
	Static Pressure	0.006	0.024	0.053	0.094	0.147	0.212	0.288		
	NC (Noise Criteria)	-	-	-	23	30	36	41		
Throw	1-3-11	6-11-23	11-17-30	15-23-35	19-28-39	23-30-43	27-33-46			
1.5 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	60	110	160	210	260	310	360
			Total Pressure	0.008	0.027	0.056	0.097	0.149	0.211	0.285
			Static Pressure	0.006	0.020	0.043	0.074	0.114	0.162	0.219
			NC (Noise Criteria)	-	-	-	19	26	32	37
		Throw	1-2-8	4-8-16	8-11-22	10-15-26	12-18-29	15-22-31	17-24-34	
		4 ft	Air flow, cfm	120	200	280	360	440	520	600
			Total Pressure	0.019	0.053	0.104	0.172	0.258	0.360	0.479
			Static Pressure	0.012	0.033	0.064	0.106	0.159	0.221	0.295
			NC (Noise Criteria)	-	-	18	26	32	38	42
Throw	1-3-11	3-8-19	7-13-26	11-17-31	14-21-34	16-24-37	19-28-40			
5 ft	Air flow, cfm	140	220	300	380	460	540	620		
	Total Pressure	0.024	0.058	0.108	0.174	0.254	0.351	0.462		
	Static Pressure	0.014	0.033	0.062	0.100	0.146	0.201	0.266		
	NC (Noise Criteria)	-	-	18	25	31	37	41		
Throw	1-3-11	3-7-18	5-12-25	9-16-31	13-19-34	15-22-37	17-26-39			

For performance notes, see page A47.

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All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimeter.

Performance Data - Imperial Units
1 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

1.5 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	60	125	190	255	320	385	450
			Total Pressure	0.005	0.023	0.053	0.096	0.152	0.220	0.300
			Static Pressure	0.005	0.020	0.046	0.083	0.130	0.188	0.257
			NC (Noise Criteria)	-	-	-	22	29	35	40
			Throw	1-2-8	5-9-18	9-13-24	12-18-28	15-22-32	18-25-35	21-27-38
		4 ft	Air flow, cfm	120	240	360	480	600	720	840
			Total Pressure	0.011	0.042	0.095	0.169	0.263	0.379	0.516
			Static Pressure	0.008	0.030	0.068	0.120	0.188	0.271	0.368
			NC (Noise Criteria)	-	-	18	27	34	40	45
		Throw	1-3-11	5-11-22	11-17-31	15-22-36	19-28-40	22-31-44	26-33-47	
	5 ft	Air flow, cfm	140	280	420	560	700	840	980	
		Total Pressure	0.013	0.050	0.113	0.201	0.314	0.452	0.616	
		Static Pressure	0.008	0.034	0.076	0.135	0.211	0.304	0.414	
		NC (Noise Criteria)	-	-	20	29	36	42	47	
		Throw	1-3-11	5-11-23	11-17-32	15-23-37	19-29-42	23-32-46	27-35-49	
1.5 in. Slot Width	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	60	125	190	255	320	385	450
			Total Pressure	0.004	0.018	0.041	0.073	0.115	0.167	0.228
			Static Pressure	0.004	0.016	0.037	0.067	0.105	0.152	0.207
			NC (Noise Criteria)	-	-	-	19	27	33	38
			Throw	1-2-8	5-9-18	9-13-24	12-18-28	15-22-32	18-25-35	21-27-38
		4 ft	Air flow, cfm	120	240	360	480	600	720	840
			Total Pressure	0.007	0.029	0.065	0.115	0.179	0.258	0.351
			Static Pressure	0.006	0.023	0.051	0.091	0.143	0.206	0.280
			NC (Noise Criteria)	-	-	-	23	30	36	41
		Throw	1-3-11	5-11-22	11-17-31	15-22-36	19-28-40	22-31-44	26-33-47	
	5 ft	Air flow, cfm	140	280	420	560	700	840	980	
		Total Pressure	0.008	0.033	0.074	0.132	0.206	0.297	0.404	
		Static Pressure	0.006	0.025	0.056	0.100	0.157	0.226	0.307	
		NC (Noise Criteria)	-	-	-	24	31	37	42	
		Throw	1-3-11	5-11-23	11-17-32	15-23-37	19-29-42	23-32-46	27-35-49	
2.0 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	70	140	210	280	350	420	490
			Total Pressure	0.009	0.034	0.077	0.136	0.213	0.307	0.418
			Static Pressure	0.006	0.024	0.054	0.096	0.150	0.217	0.295
			NC (Noise Criteria)	-	-	-	23	31	37	41
			Throw	1-2-8	4-8-17	8-13-25	11-17-29	14-21-32	17-25-35	20-27-38
		4 ft	Air flow, cfm	140	220	300	380	460	540	620
			Total Pressure	0.023	0.056	0.104	0.166	0.244	0.336	0.443
			Static Pressure	0.013	0.031	0.058	0.092	0.135	0.187	0.246
			NC (Noise Criteria)	-	-	17	24	30	36	40
		Throw	1-2-9	3-6-17	5-11-24	8-15-30	11-18-34	14-21-36	16-25-39	
	5 ft	Air flow, cfm	150	250	350	450	550	650	750	
		Total Pressure	0.024	0.066	0.129	0.212	0.317	0.443	0.590	
		Static Pressure	0.012	0.034	0.066	0.109	0.163	0.227	0.302	
		NC (Noise Criteria)	-	-	20	28	34	40	44	
		Throw	1-2-7	2-5-17	4-10-24	7-16-31	11-19-36	15-23-39	17-26-42	
2.0 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	70	150	230	310	390	470	550
			Total Pressure	0.005	0.025	0.058	0.105	0.167	0.242	0.331
			Static Pressure	0.004	0.020	0.047	0.085	0.135	0.196	0.268
			NC (Noise Criteria)	-	-	-	22	29	35	40
			Throw	1-2-8	4-9-18	9-14-26	12-19-30	16-23-34	19-26-37	22-28-40
		4 ft	Air flow, cfm	140	265	390	515	640	765	890
			Total Pressure	0.012	0.044	0.096	0.167	0.258	0.368	0.499
			Static Pressure	0.008	0.029	0.064	0.111	0.172	0.246	0.333
			NC (Noise Criteria)	-	-	17	26	33	39	44
		Throw	1-2-9	4-8-21	8-15-31	14-20-36	17-25-40	20-30-43	23-33-47	
	5 ft	Air flow, cfm	150	300	450	600	750	900	1050	
		Total Pressure	0.012	0.050	0.111	0.198	0.309	0.446	0.607	
		Static Pressure	0.008	0.031	0.069	0.123	0.192	0.276	0.375	
		NC (Noise Criteria)	-	-	19	28	35	41	46	
		Throw	1-2-7	3-7-21	7-16-31	13-21-37	17-26-42	21-31-46	24-35-49	

For performance notes, see page A47.

Custom Flow Linear

Jet-slot

JS c/w JSP and JST (100% Open)



Performance Data - Imperial Units

1 Slot with Engineered Plenum

Slot Width	Inlet	Height	Performance Data															
			Air flow, cfm	Total Pressure	Static Pressure	NC (Noise Criteria)	Throw	Air flow, cfm	Total Pressure	Static Pressure	NC (Noise Criteria)	Throw						
2.0 in.	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	70	160	250	340	430	520	610	Air flow, cfm	70	160	250	340	430	520	610
			Total Pressure	0.004	0.021	0.051	0.095	0.151	0.221	0.304	Total Pressure	0.004	0.021	0.051	0.095	0.151	0.221	0.304
			Static Pressure	0.004	0.018	0.045	0.083	0.132	0.194	0.267	Static Pressure	0.004	0.018	0.045	0.083	0.132	0.194	0.267
			NC (Noise Criteria)	-	-	-	22	29	36	41	NC (Noise Criteria)	-	-	-	22	29	36	41
		Throw	1-2-8	5-10-19	10-15-27	14-20-32	17-25-35	21-28-39	24-30-42	Throw	1-2-8	5-10-19	10-15-27	14-20-32	17-25-35	21-28-39	24-30-42	
		4 ft	Air flow, cfm	140	290	440	590	740	890	1040	Air flow, cfm	140	290	440	590	740	890	1040
			Total Pressure	0.008	0.033	0.077	0.138	0.217	0.313	0.428	Total Pressure	0.008	0.033	0.077	0.138	0.217	0.313	0.428
			Static Pressure	0.006	0.025	0.057	0.102	0.161	0.233	0.318	Static Pressure	0.006	0.025	0.057	0.102	0.161	0.233	0.318
			NC (Noise Criteria)	-	-	-	25	32	38	43	NC (Noise Criteria)	-	-	-	25	32	38	43
Throw	1-2-9	4-10-23	10-17-33	16-23-38	19-29-43	23-33-47	27-36-51	Throw	1-2-9	4-10-23	10-17-33	16-23-38	19-29-43	23-33-47	27-36-51			
5 ft	Air flow, cfm	150	330	510	690	870	1050	1230	Air flow, cfm	150	330	510	690	870	1050	1230		
	Total Pressure	0.008	0.037	0.090	0.164	0.261	0.379	0.521	Total Pressure	0.008	0.037	0.090	0.164	0.261	0.379	0.521		
	Static Pressure	0.005	0.026	0.063	0.116	0.184	0.268	0.368	Static Pressure	0.005	0.026	0.063	0.116	0.184	0.268	0.368		
	NC (Noise Criteria)	-	-	17	27	34	40	45	NC (Noise Criteria)	-	-	17	27	34	40	45		
Throw	1-2-7	4-9-23	9-18-34	16-24-40	20-30-45	24-35-49	29-38-54	Throw	1-2-7	4-9-23	9-18-34	16-24-40	20-30-45	24-35-49	29-38-54			
2.5 in.	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	80	190	300	410	520	630	740	Air flow, cfm	80	190	300	410	520	630	740
			Total Pressure	0.004	0.023	0.057	0.107	0.173	0.253	0.350	Total Pressure	0.004	0.023	0.057	0.107	0.173	0.253	0.350
			Static Pressure	0.003	0.019	0.048	0.090	0.145	0.213	0.294	Static Pressure	0.003	0.019	0.048	0.090	0.145	0.213	0.294
			NC (Noise Criteria)	-	-	-	23	30	37	42	NC (Noise Criteria)	-	-	-	23	30	37	42
		Throw	1-2-7	5-10-20	11-16-29	14-22-34	18-27-38	22-30-42	26-32-45	Throw	1-2-7	5-10-20	11-16-29	14-22-34	18-27-38	22-30-42	26-32-45	
		4 ft	Air flow, cfm	150	335	520	705	890	1075	1260	Air flow, cfm	150	335	520	705	890	1075	1260
			Total Pressure	0.008	0.039	0.093	0.171	0.273	0.398	0.546	Total Pressure	0.008	0.039	0.093	0.171	0.273	0.398	0.546
			Static Pressure	0.005	0.027	0.066	0.121	0.193	0.281	0.386	Static Pressure	0.005	0.027	0.066	0.121	0.193	0.281	0.386
			NC (Noise Criteria)	-	-	18	27	35	41	46	NC (Noise Criteria)	-	-	18	27	35	41	46
Throw	1-2-7	4-9-23	10-18-35	16-25-41	21-31-46	25-35-50	29-38-54	Throw	1-2-7	4-9-23	10-18-35	16-25-41	21-31-46	25-35-50	29-38-54			
5 ft	Air flow, cfm	160	370	580	790	1000	1210	1420	Air flow, cfm	160	370	580	790	1000	1210	1420		
	Total Pressure	0.008	0.041	0.101	0.187	0.299	0.438	0.604	Total Pressure	0.008	0.041	0.101	0.187	0.299	0.438	0.604		
	Static Pressure	0.005	0.027	0.067	0.124	0.198	0.290	0.400	Static Pressure	0.005	0.027	0.067	0.124	0.198	0.290	0.400		
	NC (Noise Criteria)	-	-	18	28	36	42	47	NC (Noise Criteria)	-	-	18	28	36	42	47		
Throw	1-1-6	3-8-23	8-18-36	16-24-42	20-31-47	25-37-52	29-40-56	Throw	1-1-6	3-8-23	8-18-36	16-24-42	20-31-47	25-37-52	29-40-56			
3.0 in.	1 Slot 14 in. Inlet (Oval)	2 ft	Air flow, cfm	100	225	350	475	600	725	850	Air flow, cfm	100	225	350	475	600	725	850
			Total Pressure	0.004	0.021	0.051	0.095	0.151	0.221	0.304	Total Pressure	0.004	0.021	0.051	0.095	0.151	0.221	0.304
			Static Pressure	0.004	0.019	0.045	0.082	0.132	0.192	0.264	Static Pressure	0.004	0.019	0.045	0.082	0.132	0.192	0.264
			NC (Noise Criteria)	-	-	-	21	29	35	40	NC (Noise Criteria)	-	-	-	21	29	35	40
		Throw	1-2-8	5-11-21	11-17-30	15-23-36	19-28-40	23-31-44	27-34-47	Throw	1-2-8	5-11-21	11-17-30	15-23-36	19-28-40	23-31-44	27-34-47	
		4 ft	Air flow, cfm	200	400	600	800	1000	1200	1400	Air flow, cfm	200	400	600	800	1000	1200	1400
			Total Pressure	0.009	0.034	0.077	0.136	0.213	0.307	0.417	Total Pressure	0.009	0.034	0.077	0.136	0.213	0.307	0.417
			Static Pressure	0.006	0.025	0.057	0.101	0.158	0.228	0.311	Static Pressure	0.006	0.025	0.057	0.101	0.158	0.228	0.311
			NC (Noise Criteria)	-	-	-	25	32	38	43	NC (Noise Criteria)	-	-	-	25	32	38	43
Throw	1-2-9	4-9-25	9-19-37	17-25-42	21-31-47	25-37-52	29-39-56	Throw	1-2-9	4-9-25	9-19-37	17-25-42	21-31-47	25-37-52	29-39-56			
5 ft	Air flow, cfm	240	460	680	900	1120	1340	1560	Air flow, cfm	240	460	680	900	1120	1340	1560		
	Total Pressure	0.011	0.039	0.085	0.149	0.231	0.331	0.449	Total Pressure	0.011	0.039	0.085	0.149	0.231	0.331	0.449		
	Static Pressure	0.007	0.028	0.060	0.105	0.163	0.233	0.316	Static Pressure	0.007	0.028	0.060	0.105	0.163	0.233	0.316		
	NC (Noise Criteria)	-	-	17	26	33	38	43	NC (Noise Criteria)	-	-	17	26	33	38	43		
Throw	1-2-9	4-9-25	8-19-38	15-25-44	21-31-49	25-37-53	29-41-57	Throw	1-2-9	4-9-25	8-19-38	15-25-44	21-31-49	25-37-53	29-41-57			

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Jet-slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in in. w.g.
5. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
6. Throw data is based on supply air and room air being at isothermal conditions.
7. Throw values are based on pattern controllers set 100% open.
8. NC values are based on a room absorption of 10 dB re 10⁻¹² watts and one diffuser.
9. Blanks (-) indicate an NC level below 15.

Performance Data - Metric Units 1 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

25 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow (l/s)	25	45	65	85	105	125	145
			Total Pressure	2	8	17	30	46	65	89
			Static Pressure	2	7	14	25	39	56	76
			NC	--	--	16	25	32	38	43
		Throw (m)	0.3-1-2	2-3-6	3-5-8	4-6-10	5-8-11	5-9-12	7-9-13	
		1200 mm	Airflow (l/s)	45	80	115	150	185	220	255
			Total Pressure	4	13	27	46	69	99	132
			Static Pressure	3	10	19	33	50	71	95
			NC	--	--	19	28	34	40	45
Throw (m)	1-1-4	2-3-6	3-5-8	4-6-9	5-7-10	6-8-11	7-9-12			
1500 mm	Airflow (l/s)	50	90	130	170	210	250	290		
	Total Pressure	4	14	29	50	76	108	146		
	Static Pressure	3	9	19	34	51	72	98		
	NC	--	--	20	29	35	41	46		
Throw (m)	0.5-1-4	2-3-6	3-5-8	4-6-10	5-7-11	6-8-12	7-9-13			
25 mm Slot Width	1 Slot 255 mm inlet (Oval)	600 mm	Airflow (l/s)	25	45	65	85	105	125	145
			Total Pressure	2	6	12	20	31	44	59
			Static Pressure	2	5	11	18	28	40	54
			NC	--	--	--	22	29	34	39
		Throw (m)	1-1-3	2-3-5	3-4-7	3-5-8	4-6-9	5-7-9	6-7-10	
		1200 mm	Airflow (l/s)	45	85	125	165	205	245	285
			Total Pressure	2	9	20	34	53	76	102
			Static Pressure	2	8	16	28	43	62	83
			NC	--	--	17	26	33	39	44
Throw (m)	1-1-4	2-3-7	3-5-9	4-7-10	5-8-11	7-8-12	7-9-13			
1500 mm	Airflow (l/s)	55	100	145	190	235	280	325		
	Total Pressure	3	10	21	37	56	80	108		
	Static Pressure	2	8	16	28	43	62	83		
	NC	--	--	17	26	33	39	43		
Throw (m)	1-1-4	2-4-7	3-5-9	4-7-10	6-8-11	7-9-12	8-9-13			
25 mm Slot Width	1 slot 305 mm inlet (Oval)	600 mm	Airflow (l/s)	25	45	65	85	105	125	145
			Total Pressure	1	4	8	13	20	29	39
			Static Pressure	1	4	7	13	19	27	37
			NC	--	--	--	17	24	30	35
		Throw (m)	1-1-3	2-3-5	3-4-7	3-5-8	4-6-9	5-7-9	6-7-10	
		1200 mm	Airflow (l/s)	40	85	130	175	215	260	305
			Total Pressure	1	6	15	28	42	61	84
			Static Pressure	1	6	13	24	37	53	74
			NC	--	--	15	25	32	38	43
Throw (m)	0.4-1-3	2-3-7	3-5-9	5-7-10	6-8-11	7-9-12	8-9-13			
1500 mm	Airflow (l/s)	55	105	155	205	255	305	355		
	Total Pressure	2	8	17	30	46	66	90		
	Static Pressure	2	6	14	25	39	56	76		
	NC	--	--	16	25	32	38	43		
Throw (m)	1-1-4	2-4-7	4-5-9	5-7-11	6-8-12	7-9-13	8-10-14			
38 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow (l/s)	25	50	75	100	125	150	175
			Total Pressure	2	7	15	27	43	62	84
			Static Pressure	1	5	12	22	34	49	67
			NC	--	--	--	22	29	35	40
		Throw (m)	0.3-1-2	1-2-5	2-4-7	3-5-8	4-6-9	5-7-10	6-7-11	
		1200 mm	Airflow (l/s)	55	95	135	175	215	255	295
			Total Pressure	5	14	28	47	72	101	135
			Static Pressure	3	9	18	30	45	64	85
			NC	--	--	19	28	34	40	44
Throw (m)	0.4-1-3	1-3-6	3-4-8	4-6-10	5-7-11	5-8-12	6-9-13			
1500 mm	Airflow (l/s)	70	105	140	175	210	245	280		
	Total Pressure	7	15	27	42	61	83	109		
	Static Pressure	4	9	16	25	36	49	64		
	NC	--	--	18	25	31	36	40		
Throw (m)	0.5-1-4	1-2-6	2-4-8	3-5-9	4-6-10	5-7-11	5-8-12			

For performance notes, see page A50.

Custom Flow Linear

Jet-slot

JS c/w JSP and JST (100% Open)



Performance Data - Metric Units

1 Slot with Engineered Plenum

38 mm Slot Width	1 slot 255 mm inlet (Oval)	600 mm	Airflow (l/s)	30	60	90	120	150	180	210
			Total Pressure	1	6	15	26	41	59	80
			Static Pressure	1	6	13	23	36	51	70
			NC	--	--	--	24	31	37	42
		Throw (m)	0.4-1-3	2-3-6	3-4-8	4-6-9	5-7-10	6-8-11	7-8-12	
		1200 mm	Airflow (l/s)	60	110	170	230	280	330	380
			Total Pressure	3	10	25	46	68	95	126
			Static Pressure	2	8	18	34	50	70	92
			NC	--	--	19	29	35	41	45
Throw (m)	0.5-1-4	2-4-7	4-5-9	5-7-11	6-9-12	7-9-13	8-10-14			
1500 mm	Airflow (l/s)	65	130	195	260	325	390	455		
	Total Pressure	3	12	28	50	78	112	153		
	Static Pressure	2	8	19	34	53	77	104		
	NC	--	--	20	29	36	42	47		
Throw (m)	0.4-1-4	2-4-7	4-6-10	5-7-11	6-9-13	7-10-14	9-11-15			
38 mm Slot Width	1 Slot 305 mm inlet (Oval)	600 mm	Airflow (l/s)	30	60	90	120	150	180	210
			Total Pressure	1	5	11	19	30	43	58
			Static Pressure	1	4	10	18	27	39	53
			NC	--	--	--	21	28	34	39
		Throw (m)	0.4-1-3	2-3-6	3-4-8	4-6-9	5-7-10	6-8-11	7-8-12	
		1200 mm	Airflow (l/s)	60	115	170	225	280	335	390
			Total Pressure	2	8	17	30	47	66	90
			Static Pressure	2	6	14	24	38	54	73
			NC	--	--	--	24	31	37	42
Throw (m)	0.5-1-4	2-4-7	4-5-9	5-7-11	6-9-12	7-9-13	8-10-14			
1500 mm	Airflow (l/s)	70	135	200	265	330	395	460		
	Total Pressure	2	9	19	34	52	75	101		
	Static Pressure	2	7	15	26	40	57	77		
	NC	--	--	16	25	32	37	42		
Throw (m)	0.5-1-4	2-4-8	4-6-10	5-7-12	6-9-13	7-10-14	9-11-15			
51 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow (l/s)	30	65	100	135	170	205	240
			Total Pressure	2	9	21	39	62	90	123
			Static Pressure	1	7	15	28	45	66	90
			NC	--	--	16	26	34	40	45
		Throw (m)	0.3-1-2	1-3-5	3-4-8	4-6-9	5-7-10	6-8-11	7-8-12	
		1200 mm	Airflow (l/s)	65	105	145	185	225	265	305
			Total Pressure	6	15	28	46	68	94	125
			Static Pressure	3	8	16	26	39	54	72
			NC	--	--	18	26	33	38	42
Throw (m)	0.4-1-3	1-2-6	2-4-8	3-5-10	4-6-11	5-7-11	6-8-12			
1500 mm	Airflow (l/s)	75	120	165	210	255	300	345		
	Total Pressure	7	18	34	54	80	111	147		
	Static Pressure	4	9	18	29	43	60	79		
	NC	--	--	21	28	35	40	44		
Throw (m)	0.3-1-3	1-2-6	2-4-8	3-5-10	4-6-11	5-7-12	6-8-13			
51 mm Slot Width	1 Slot 255 mm inlet	600 mm	Airflow (l/s)	30	70	110	150	190	230	270
			Total Pressure	1	6	16	30	48	71	98
			Static Pressure	1	5	13	25	40	58	81
			NC	--	--	--	24	32	38	43
		Throw (m)	0.3-1-2	1-3-6	3-5-8	4-6-9	5-7-11	6-8-12	7-9-13	
		1200 mm	Airflow (l/s)	65	125	185	245	305	365	425
			Total Pressure	3	11	24	42	66	94	127
			Static Pressure	2	7	16	28	44	63	85
			NC	--	--	17	26	33	39	44
Throw (m)	0.4-1-3	1-3-7	3-5-10	4-7-11	6-8-12	7-10-13	8-10-15			
1500 mm	Airflow (l/s)	70	140	210	280	350	420	490		
	Total Pressure	3	12	27	48	76	109	148		
	Static Pressure	2	7	17	30	47	68	92		
	NC	--	--	18	28	35	41	46		
Throw (m)	0.3-1-3	1-3-7	3-5-10	4-7-11	6-8-13	7-10-14	8-11-15			

For performance notes, see page A50.

Performance Data - Metric Units 1 Slot with Engineered Plenum

51 mm Slot Width	1 Slot 305 mm inlet	600 mm	Airflow (l/s)	35	75	115	155	195	235	275
			Total Pressure	1	5	13	23	37	53	73
			Static Pressure	1	5	11	20	33	47	64
			NC	--	--	--	23	30	36	41
	Throw (m)	0.4-1-3	2-3-6	3-5-8	4-6-10	5-8-11	6-8-12	7-9-13		
	1200 mm	Airflow (l/s)	65	135	205	275	345	415	485	
		Total Pressure	2	8	19	34	54	78	106	
		Static Pressure	2	6	14	26	40	58	80	
		NC	--	--	15	25	32	38	43	
	Throw (m)	0.4-1-3	2-4-7	4-6-10	5-7-12	6-9-13	8-10-14	9-11-16		
	1500 mm	Airflow (l/s)	70	155	240	325	410	495	580	
		Total Pressure	2	9	22	40	63	93	127	
Static Pressure		1	6	15	28	45	65	89		
NC		--	--	16	26	33	40	45		
Throw (m)	0.3-1-3	1-3-7	3-6-11	5-8-12	7-10-14	8-11-15	9-12-17			
64 mm Slot Width	1 Slot 305 mm inlet	600 mm	Airflow (l/s)	40	90	140	190	240	290	340
			Total Pressure	1	6	15	27	44	63	87
			Static Pressure	1	5	12	23	37	54	74
			NC	--	--	--	24	31	37	43
	Throw (m)	0.3-1-3	2-3-7	3-5-9	5-7-10	6-8-12	7-9-13	8-10-14		
	1200 mm	Airflow (l/s)	75	160	245	330	415	500	585	
		Total Pressure	2	10	23	41	65	94	129	
		Static Pressure	1	7	16	29	46	66	91	
		NC	--	--	17	26	34	40	45	
	Throw (m)	0.3-1-3	2-3-8	4-6-11	5-8-12	7-10-14	8-11-15	9-12-17		
	1500 mm	Airflow (l/s)	75	175	275	375	475	575	675	
		Total Pressure	2	10	25	46	73	107	148	
Static Pressure		1	7	16	30	48	70	97		
NC		--	--	17	27	35	41	46		
Throw (m)	0.2-0.5-2	1-3-7	3-6-11	5-8-13	7-10-15	8-11-16	10-12-17			
76 mm Slot Width	1 Slot 355 mm inlet	600 mm	Airflow (l/s)	45	105	165	225	285	345	405
			Total Pressure	1	5	13	24	38	56	77
			Static Pressure	1	5	11	21	33	49	67
			NC	--	--	--	22	30	36	41
	Throw (m)	0.3-1-3	2-3-7	4-5-9	5-7-11	6-9-12	8-10-14	9-10-15		
	1200 mm	Airflow (l/s)	95	190	285	380	475	570	665	
		Total Pressure	2	8	18	33	51	73	100	
		Static Pressure	1	6	13	24	37	54	73	
		NC	--	--	--	23	31	36	41	
	Throw (m)	0.4-1-4	2-4-8	4-6-11	5-8-13	7-10-15	8-11-16	10-12-17		
	1500 mm	Airflow (l/s)	110	215	320	425	530	635	740	
		Total Pressure	2	9	19	35	54	77	105	
Static Pressure		2	6	13	24	37	53	71		
NC		--	--	--	23	30	36	41		
Throw (m)	0.4-1-3	1-3-8	3-6-12	5-8-13	7-10-15	8-12-16	9-13-18			

Performance Notes

1. Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Jet Slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in pascals.
5. Throw values are given for terminal velocities of 0.75 m/s, 0.5 m/s, 0.25 m/s.
6. Throw data based on supply air and room air being at isothermal conditions.
7. Throw values are based on 1-way air pattern. For 2-way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
8. NC values are based on a room absorption of 10 dB re 10⁻¹² watts.
9. Blanks (-) indicate an NC level below 15.
10. Noise Criteria (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices.
11. All pressures are in Pascals, Pa.

Custom Flow Linear

Jet-slot

JS c/w JSP and JST (100% Open)



Performance Data - Imperial Units

2 Slot with Engineered Plenum

1.0 in. Slot Width	2 Slot 8 in. Inlet	2 ft	Air flow, cfm	80	155	230	305	380	455	530	
			Total Pressure	0.011	0.042	0.092	0.162	0.251	0.360	0.489	
			Static Pressure	0.008	0.030	0.065	0.114	0.177	0.254	0.345	
			NC (Noise Criteria)	-	-	17	26	33	39	44	
			Throw	2-4-12	6-11-21	11-17-26	15-21-30	19-24-33	21-26-36	23-28-39	
			4 ft	Air flow, cfm	160	260	360	460	560	660	760
			Total Pressure	0.029	0.078	0.149	0.244	0.361	0.502	0.665	
			Static Pressure	0.016	0.043	0.083	0.135	0.201	0.279	0.370	
			NC (Noise Criteria)	-	-	23	30	37	42	47	
		Throw	2-4-15	5-11-25	9-17-30	15-22-34	18-26-37	21-28-40	24-31-43		
		5 ft	Air flow, cfm	200	300	400	500	600	700	800	
		Total Pressure	0.042	0.094	0.168	0.262	0.378	0.514	0.671		
		Static Pressure	0.021	0.048	0.086	0.134	0.193	0.263	0.344		
		NC (Noise Criteria)	-	-	24	31	37	42	46		
		Throw	2-4-17	4-10-26	8-17-31	12-21-34	17-26-37	20-29-40	23-31-43		
1.0 in. Slot Width	2 Slot 10 in. Inlet	2 ft	Air flow, cfm	80	165	250	335	420	505	590	
			Total Pressure	0.006	0.027	0.063	0.113	0.178	0.257	0.351	
			Static Pressure	0.005	0.022	0.050	0.090	0.141	0.203	0.278	
			NC (Noise Criteria)	-	-	-	22	30	36	41	
			Throw	2-4-12	7-12-22	12-18-27	16-22-31	20-25-35	22-27-38	24-29-42	
			4 ft	Air flow, cfm	160	300	440	580	720	860	1000
			Total Pressure	0.015	0.053	0.114	0.198	0.305	0.434	0.587	
			Static Pressure	0.010	0.034	0.073	0.127	0.196	0.279	0.378	
			NC (Noise Criteria)	-	-	19	28	35	41	46	
		Throw	2-4-15	6-14-27	14-21-33	19-27-38	23-30-42	27-32-46	29-35-50		
		5 ft	Air flow, cfm	200	350	500	650	800	950	1100	
		Total Pressure	0.021	0.064	0.131	0.222	0.336	0.473	0.635		
		Static Pressure	0.013	0.039	0.079	0.133	0.201	0.284	0.381		
		NC (Noise Criteria)	-	-	21	30	36	42	46		
		Throw	2-4-17	6-13-29	12-21-34	18-28-39	23-31-43	27-33-47	29-36-51		
1.0 in. Slot Width	2 Slot 12 in. Inlet	2 ft	Air flow, cfm	80	170	260	350	440	530	620	
			Total Pressure	0.004	0.020	0.046	0.084	0.133	0.193	0.264	
			Static Pressure	0.004	0.017	0.040	0.072	0.114	0.165	0.226	
			NC (Noise Criteria)	-	-	-	20	27	33	38	
			Throw	2-4-12	7-12-22	13-19-28	17-23-32	21-25-36	23-28-39	25-30-43	
			4 ft	Air flow, cfm	160	320	480	640	800	960	1120
			Total Pressure	0.009	0.034	0.077	0.137	0.214	0.308	0.419	
			Static Pressure	0.006	0.024	0.054	0.095	0.149	0.214	0.292	
			NC (Noise Criteria)	-	-	-	23	31	36	41	
		Throw	2-4-15	7-15-28	15-23-34	21-28-40	26-31-44	28-34-49	30-37-52		
		5 ft	Air flow, cfm	200	375	550	725	900	1075	1250	
		Total Pressure	0.012	0.041	0.089	0.154	0.238	0.339	0.458		
		Static Pressure	0.008	0.027	0.058	0.101	0.156	0.222	0.300		
		NC (Noise Criteria)	-	-	16	25	32	37	42		
		Throw	2-4-17	7-15-30	15-23-36	21-29-41	26-32-46	29-35-50	31-38-54		
1.5 in. Slot Width	2 Slot 10 in. Inlet	2 ft	Air flow, cfm	120	210	300	390	480	570	660	
			Total Pressure	0.010	0.031	0.064	0.108	0.164	0.232	0.311	
			Static Pressure	0.007	0.022	0.045	0.077	0.116	0.164	0.219	
			NC (Noise Criteria)	-	-	-	20	26	32	37	
			Throw	2-4-14	5-12-24	11-17-28	15-23-32	19-25-36	22-28-39	24-30-42	
			4 ft	Air flow, cfm	240	340	440	540	640	740	840
			Total Pressure	0.027	0.055	0.091	0.138	0.193	0.258	0.333	
			Static Pressure	0.015	0.030	0.051	0.077	0.107	0.144	0.185	
			NC (Noise Criteria)	-	-	-	21	27	31	36	
		Throw	2-5-18	4-9-26	7-15-31	10-21-35	14-24-38	19-28-41	21-31-43		
		5 ft	Air flow, cfm	260	365	470	575	680	785	890	
		Total Pressure	0.029	0.057	0.095	0.142	0.199	0.265	0.341		
		Static Pressure	0.015	0.029	0.049	0.073	0.102	0.136	0.175		
		NC (Noise Criteria)	-	-	-	21	27	31	35		
		Throw	2-4-15	3-7-25	5-12-32	8-18-35	11-23-38	15-27-41	19-30-43		

For performance notes, see page A53.

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All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimeter.

LINEAR DIFFUSERS AND GRILLES

Performance Data - Imperial Units
2 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

1.5 in. Slot Width	2 Slot 12 in. Inlet	2 ft	Air flow, cfm	120	230	340	450	560	670	780	
			Total Pressure	0.006	0.023	0.050	0.088	0.136	0.195	0.265	
			Static Pressure	0.005	0.018	0.039	0.068	0.105	0.150	0.203	
			NC (Noise Criteria)	-	-	-	18	25	31	35	
			Throw	2-4-14	7-13-25	13-20-30	17-24-35	22-27-39	24-30-42	26-32-45	
			4 ft	Air flow, cfm	240	390	540	690	840	990	1140
			Total Pressure	0.015	0.040	0.077	0.125	0.186	0.258	0.342	
			Static Pressure	0.009	0.025	0.047	0.077	0.114	0.159	0.210	
			NC (Noise Criteria)	-	-	-	21	27	32	37	
		Throw	2-5-18	5-12-29	10-21-35	17-26-39	21-31-43	25-33-47	29-36-50		
		5 ft	Air flow, cfm	260	425	590	755	920	1085	1250	
		Total Pressure	0.016	0.043	0.083	0.135	0.201	0.280	0.371		
		Static Pressure	0.009	0.025	0.048	0.078	0.116	0.161	0.213		
		NC (Noise Criteria)	-	-	-	21	28	33	38		
		Throw	2-4-15	4-10-29	8-19-35	14-26-40	20-31-44	24-34-48	28-36-51		
1.5 in. Slot Width	2 Slot 14 in. Inlet	2 ft	Air flow, cfm	120	240	360	480	600	720	840	
			Total Pressure	0.004	0.017	0.039	0.069	0.108	0.156	0.212	
			Static Pressure	0.004	0.014	0.032	0.057	0.088	0.127	0.173	
			NC (Noise Criteria)	-	-	-	-	22	28	33	
			Throw	2-4-14	7-14-25	14-21-31	19-25-36	23-28-40	25-31-44	27-33-47	
			4 ft	Air flow, cfm	240	415	590	765	940	1115	1290
			Total Pressure	0.009	0.028	0.056	0.094	0.142	0.200	0.268	
			Static Pressure	0.006	0.018	0.037	0.062	0.094	0.132	0.177	
			NC (Noise Criteria)	-	-	-	17	23	29	34	
		Throw	2-5-18	6-14-30	12-23-36	20-29-41	24-32-46	28-35-50	31-38-54		
		5 ft	Air flow, cfm	260	440	620	800	980	1160	1340	
		Total Pressure	0.010	0.030	0.059	0.098	0.147	0.206	0.274		
		Static Pressure	0.007	0.019	0.038	0.063	0.094	0.132	0.176		
		NC (Noise Criteria)	-	-	-	17	24	29	34		
		Throw	2-4-15	5-11-30	9-21-36	15-27-41	22-32-46	26-35-50	30-38-53		
2.0 in. Slot Width	2 Slot 10 in. Inlet	2 ft	Air flow, cfm	70	140	210	280	350	420	490	
			Total Pressure	0.003	0.012	0.026	0.047	0.073	0.105	0.144	
			Static Pressure	0.002	0.008	0.017	0.030	0.048	0.068	0.093	
			NC (Noise Criteria)	-	-	-	-	-	18	23	
			Throw	0-1-3	1-3-13	3-7-21	6-13-26	9-17-29	13-21-32	16-24-35	
			4 ft	Air flow, cfm	250	355	460	565	670	775	880
			Total Pressure	0.026	0.053	0.089	0.134	0.188	0.252	0.325	
			Static Pressure	0.013	0.026	0.044	0.067	0.094	0.126	0.163	
			NC (Noise Criteria)	-	-	-	20	26	30	34	
		Throw	1-3-12	3-6-23	5-10-30	7-15-34	10-22-37	13-25-40	17-29-43		
		5 ft	Air flow, cfm	280	390	500	610	720	830	940	
		Total Pressure	0.030	0.057	0.094	0.140	0.196	0.260	0.334		
		Static Pressure	0.013	0.026	0.042	0.062	0.087	0.116	0.148		
		NC (Noise Criteria)	-	-	-	20	26	30	34		
		Throw	1-3-10	2-5-20	4-8-29	5-12-35	8-17-38	10-23-40	13-27-43		
2.0 in. Slot Width	2 Slot 12 in. Inlet	2 ft	Air flow, cfm	140	275	410	545	680	815	950	
			Total Pressure	0.007	0.026	0.058	0.102	0.159	0.228	0.310	
			Static Pressure	0.005	0.018	0.041	0.072	0.112	0.161	0.219	
			NC (Noise Criteria)	-	-	-	19	26	32	37	
			Throw	1-3-13	6-13-26	13-20-32	18-26-37	22-29-41	26-32-45	28-34-49	
			4 ft	Air flow, cfm	250	425	600	775	950	1125	1300
			Total Pressure	0.014	0.041	0.082	0.137	0.205	0.288	0.385	
			Static Pressure	0.008	0.023	0.046	0.076	0.114	0.160	0.214	
			NC (Noise Criteria)	-	-	-	21	28	33	38	
		Throw	1-3-12	4-9-28	8-17-35	13-25-40	19-31-44	24-34-48	28-37-52		
		5 ft	Air flow, cfm	280	460	640	820	1000	1180	1360	
		Total Pressure	0.016	0.044	0.085	0.139	0.207	0.289	0.383		
		Static Pressure	0.008	0.022	0.044	0.071	0.106	0.148	0.196		
		NC (Noise Criteria)	-	-	-	21	27	33	37		
		Throw	1-3-10	3-7-26	6-14-36	10-22-40	15-29-44	21-34-48	26-37-52		

For performance notes, see page A53.

Custom Flow Linear

Jet-slot

JS c/w JSP and JST (100% Open)



Performance Data - Imperial Units

2 Slot with Engineered Plenum

2.0 in. Slot Width	2 Slot 14 in. Inlet	2 ft	Air flow, cfm	140	280	420	560	700	840	980
			Total Pressure	0.004	0.017	0.038	0.068	0.107	0.154	0.210
			Static Pressure	0.003	0.013	0.029	0.051	0.080	0.115	0.157
			NC (Noise Criteria)	-	-	-	-	20	26	31
		Throw	1-3-13	6-13-26	13-21-32	18-26-37	23-29-42	26-32-46	28-35-49	
		4 ft	Air flow, cfm	250	450	650	850	1050	1250	1450
			Total Pressure	0.009	0.028	0.058	0.099	0.150	0.213	0.287
			Static Pressure	0.005	0.017	0.035	0.059	0.090	0.128	0.172
			NC (Noise Criteria)	-	-	-	17	23	29	34
Throw	1-3-12	4-10-29	9-20-37	15-28-42	23-33-47	27-36-51	31-39-55			
5 ft	Air flow, cfm	280	480	680	880	1080	1280	1480		
	Total Pressure	0.010	0.028	0.057	0.095	0.143	0.201	0.269		
	Static Pressure	0.005	0.016	0.032	0.053	0.080	0.112	0.149		
	NC (Noise Criteria)	-	-	-	-	22	27	32		
Throw	1-3-10	3-8-28	7-15-37	11-25-42	17-31-46	24-36-50	28-38-54			
2.5 in. Slot Width	2 Slot 14 in. Inlet	2 ft	Air flow, cfm	150	335	520	705	890	1075	1260
			Total Pressure	0.004	0.021	0.050	0.092	0.147	0.214	0.294
			Static Pressure	0.003	0.015	0.035	0.065	0.104	0.151	0.208
			NC (Noise Criteria)	-	-	-	17	25	31	36
		Throw	1-3-10	6-13-28	14-23-35	20-29-41	26-32-46	29-36-50	31-38-54	
		4 ft	Air flow, cfm	300	540	780	1020	1260	1500	1740
			Total Pressure	0.011	0.036	0.075	0.128	0.195	0.276	0.372
			Static Pressure	0.006	0.020	0.041	0.071	0.108	0.153	0.206
			NC (Noise Criteria)	-	-	-	20	27	32	37
		Throw	1-3-12	4-10-31	9-20-39	15-29-45	23-35-50	29-38-54	33-41-59	
		5 ft	Air flow, cfm	350	600	850	1100	1350	1600	1850
			Total Pressure	0.014	0.040	0.081	0.135	0.204	0.286	0.383
Static Pressure	0.007		0.021	0.041	0.069	0.104	0.147	0.196		
NC (Noise Criteria)	-		-	-	21	27	33	37		
Throw	1-3-11	4-8-30	7-16-40	12-27-45	18-34-50	26-39-55	31-42-59			
3.0 in. Slot Width	2 Slot 14 in. Inlet	2 ft	Air flow, cfm	175	385	595	805	1015	1225	1435
			Total Pressure	0.005	0.024	0.058	0.106	0.169	0.246	0.337
			Static Pressure	0.003	0.016	0.039	0.071	0.112	0.164	0.225
			NC (Noise Criteria)	-	-	-	19	26	32	37
		Throw	1-3-10	6-12-29	13-23-37	21-30-43	26-34-48	30-37-52	33-40-57	
		4 ft	Air flow, cfm	320	580	840	1100	1360	1620	1880
			Total Pressure	0.012	0.039	0.081	0.139	0.212	0.301	0.405
			Static Pressure	0.006	0.020	0.042	0.073	0.111	0.157	0.212
			NC (Noise Criteria)	-	-	-	21	28	33	38
		Throw	1-2-10	4-8-30	8-17-40	13-28-46	20-35-51	28-39-55	32-42-60	
		5 ft	Air flow, cfm	380	645	910	1175	1440	1705	1970
			Total Pressure	0.015	0.042	0.084	0.139	0.209	0.293	0.392
Static Pressure	0.007		0.019	0.038	0.064	0.096	0.135	0.180		
NC (Noise Criteria)	-		-	-	20	27	32	37		
Throw	1-2-10	3-7-27	6-14-40	10-23-46	15-33-51	21-39-55	28-42-59			

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Jet-slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in in. w.g.
5. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
6. Throw data is based on supply air and room air being at isothermal conditions.
7. Throw values are based on pattern controllers set 100% open.
8. NC values are based on a room absorption of 10 dB re 10⁻¹² watts and one diffuser.
9. Blanks (-) indicate an NC level below 15.

Performance Data - Metric Units
2 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

25 mm Slot Width	2 Slot 205 mm inlet	600 mm	Airflow (l/s)	40	75	110	145	180	215	250
			Total Pressure	3	12	25	44	68	97	131
			Static Pressure	2	9	18	32	49	70	95
	NC		--	--	19	28	35	41	46	
	Throw (m)	1-1-4	2-4-7	4-5-8	5-7-9	6-7-10	6-8-11	7-9-12		
	1200 mm	Airflow (l/s)	75	120	165	210	255	300	345	
		Total Pressure	7	19	36	59	87	120	158	
		Static Pressure	4	11	21	33	49	68	90	
		NC	--	--	22	30	36	42	46	
Throw (m)	1-1-5	2-4-8	3-5-9	5-7-10	6-8-11	7-9-12	8-9-13			
1500 mm	Airflow (l/s)	90	140	190	240	290	340	390		
	Total Pressure	10	24	44	70	103	142	187		
	Static Pressure	5	13	23	38	55	76	99		
	NC	--	15	25	33	39	44	48		
Throw (m)	1-1-5	2-3-8	3-6-9	4-7-11	6-8-12	7-9-13	8-10-14			
25 mm Slot Width	2 Slot 255 mm inlet	600 mm	Airflow (l/s)	40	80	120	160	200	240	280
			Total Pressure	2	8	19	33	52	75	103
			Static Pressure	2	7	16	27	43	62	84
	NC		--	--	17	26	33	39	44	
	Throw (m)	1-1-4	3-4-7	4-6-8	5-7-10	6-8-11	7-8-12	7-9-13		
	1200 mm	Airflow (l/s)	75	140	205	270	335	400	465	
		Total Pressure	4	14	29	51	78	111	150	
		Static Pressure	3	9	19	34	52	74	100	
		NC	--	--	20	29	36	42	47	
Throw (m)	1-1-5	2-5-8	4-7-10	6-8-12	7-9-13	8-10-14	9-11-15			
1500 mm	Airflow (l/s)	95	165	235	305	375	445	515		
	Total Pressure	5	17	34	57	86	121	162		
	Static Pressure	3	10	21	35	53	74	100		
	NC	--	--	22	30	37	42	47		
Throw (m)	1-2-6	2-5-9	4-7-10	6-8-12	7-9-13	8-10-14	9-11-16			
25 mm Slot Width	2 Slot 305 mm inlet	600 mm	Airflow (l/s)	40	80	120	160	200	240	280
			Total Pressure	1	6	13	24	38	54	74
			Static Pressure	1	5	12	21	33	48	65
	NC		--	--	--	23	30	36	41	
	Throw (m)	1-1-4	3-4-7	4-6-8	5-7-10	6-8-11	7-8-12	7-9-13		
	1200 mm	Airflow (l/s)	75	150	225	300	375	450	525	
		Total Pressure	2	10	22	40	62	90	122	
		Static Pressure	2	7	17	30	47	67	91	
		NC	--	--	18	27	34	40	45	
Throw (m)	1-1-5	3-5-9	5-7-11	7-9-12	8-10-14	9-11-15	9-11-16			
1500 mm	Airflow (l/s)	90	175	260	345	430	515	600		
	Total Pressure	3	11	25	44	69	99	134		
	Static Pressure	2	8	18	31	48	69	94		
	NC	--	--	18	28	35	40	45		
Throw (m)	1-1-5	2-5-9	5-8-11	7-9-13	8-10-14	9-11-16	10-12-17			
38 mm Slot Width	2 Slot 255 mm inlet	600 mm	Airflow (l/s)	60	100	140	180	220	260	280
			Total Pressure	3	9	18	29	44	61	70
			Static Pressure	2	7	13	22	32	45	52
	NC		--	--	--	22	28	33	36	
	Throw (m)	1-2-5	2-4-7	4-6-9	5-7-10	6-8-11	7-8-12	7-9-12		
	1200 mm	Airflow (l/s)	115	160	205	250	295	340	385	
		Total Pressure	7	14	23	35	49	65	83	
		Static Pressure	4	8	14	20	28	38	48	
		NC	--	--	16	22	27	32	36	
Throw (m)	1-2-6	1-3-8	2-5-10	4-7-11	5-8-12	6-9-12	7-9-13			
1500 mm	Airflow (l/s)	125	175	225	275	325	375	425		
	Total Pressure	8	16	26	39	54	72	92		
	Static Pressure	4	9	14	21	29	39	50		
	NC	--	--	17	23	28	33	37		
Throw (m)	1-1-6	1-3-8	2-4-10	3-6-11	4-8-12	6-9-13	7-10-13			

For performance notes, see page A56.

Custom Flow Linear

Jet-slot

JS c/w JSP and JST (100% Open)



Performance Data - Metric Units

2 Slot with Engineered Plenum

38 mm Slot Width	2 Slot 305 mm inlet	600 mm	Airflow (l/s)	60	110	160	210	260	310	360
			Total Pressure	2	7	16	27	41	59	79
			Static Pressure	2	6	13	22	34	48	65
			NC	--	--	--	22	29	35	40
		Throw (m)	1-2-5	2-4-8	4-6-9	6-7-11	7-8-12	7-9-13	8-10-14	
		1200 mm	Airflow (l/s)	115	185	255	325	395	465	535
			Total Pressure	4	11	21	35	51	71	94
			Static Pressure	3	7	14	23	34	47	62
			NC	--	--	15	23	29	35	39
Throw (m)	1-2-6	2-4-9	4-7-11	6-9-12	7-9-13	8-10-14	9-11-16			
1500 mm	Airflow (l/s)	120	200	280	360	440	520	600		
	Total Pressure	4	11	23	38	56	78	105		
	Static Pressure	3	7	14	23	34	48	64		
	NC	--	--	15	24	30	35	40		
Throw (m)	1-1-5	2-4-9	3-6-11	5-8-12	7-10-14	8-11-15	9-11-16			
38 mm Slot Width	2 Slot 355 mm inlet	600 mm	Airflow (l/s)	60	115	170	225	280	335	390
			Total Pressure	2	6	13	23	36	52	70
			Static Pressure	2	5	12	20	32	45	61
			NC	--	--	--	22	29	35	40
		Throw (m)	1-2-5	3-5-8	5-7-10	6-8-11	7-9-12	8-9-13	8-10-14	
		1200 mm	Airflow (l/s)	115	195	275	355	435	515	595
			Total Pressure	3	8	17	28	42	59	79
			Static Pressure	2	6	12	20	31	43	58
			NC	--	--	--	21	27	33	37
Throw (m)	1-2-6	2-5-9	4-7-11	6-9-13	8-10-14	9-11-15	9-12-16			
1500 mm	Airflow (l/s)	120	205	290	375	460	545	630		
	Total Pressure	3	8	16	27	40	56	75		
	Static Pressure	2	5	11	18	27	38	51		
	NC	--	--	--	19	26	31	36		
Throw (m)	1-1-5	2-4-9	3-7-11	6-9-13	7-10-14	8-11-15	9-12-16			
51 mm Slot Width	2 Slot 255 mm inlet	600 mm	Airflow (l/s)	30	65	100	135	170	205	240
			Total Pressure	1	3	7	13	21	30	42
			Static Pressure	1	2	5	9	14	21	28
			NC	--	--	--	--	15	21	26
		Throw (m)	0.1-0.2-1	0.5-1.4	1-3-7	2-5-8	4-6-9	5-7-10	5-8-11	
		1200 mm	Airflow (l/s)	120	170	220	270	320	370	420
			Total Pressure	7	14	24	37	51	68	88
			Static Pressure	4	8	13	20	27	36	47
			NC	--	--	15	22	27	32	36
Throw (m)	0.5-1-5	1-2-8	2-4-10	3-6-11	4-7-12	5-8-12	6-9-13			
1500 mm	Airflow (l/s)	135	185	235	285	335	385	435		
	Total Pressure	8	16	26	38	53	69	89		
	Static Pressure	4	8	13	19	26	35	45		
	NC	--	--	16	22	28	32	36		
Throw (m)	0.4-1-4	1-2-7	1-3-9	2-4-11	3-6-12	4-8-12	5-9-13			
51 mm Slot Width	2 Slot 305 mm inlet	600 mm	Airflow (l/s)	65	130	195	260	325	390	455
			Total Pressure	2	8	18	32	49	71	97
			Static Pressure	2	6	13	24	37	54	73
			NC	--	--	--	23	31	36	41
		Throw (m)	0.5-1-4	2-4-8	4-7-10	6-8-11	7-9-13	8-10-14	9-11-15	
		1200 mm	Airflow (l/s)	120	200	280	360	440	520	600
			Total Pressure	4	11	22	36	54	76	101
			Static Pressure	2	7	13	22	32	45	60
			NC	--	--	--	23	29	35	39
Throw (m)	0.5-1-5	1-3-9	3-6-11	5-8-12	7-10-14	8-10-15	9-11-16			
1500 mm	Airflow (l/s)	130	215	300	385	470	555	640		
	Total Pressure	4	12	23	38	56	78	104		
	Static Pressure	2	6	13	21	31	44	58		
	NC	--	--	--	23	29	35	39		
Throw (m)	0.4-1-4	1-3-8	2-5-11	4-8-12	5-9-14	7-11-15	8-11-16			

For performance notes, see page A56.

Performance Data - Metric Units 2 Slot with Engineered Plenum

Slot Width	Inlet Configuration	Slot Size	Performance Data (Metric Units)											
			Airflow (l/s)	Total Pressure	Static Pressure	NC	Throw (m)	Airflow (l/s)	Total Pressure	Static Pressure	NC	Throw (m)		
51 mm	2 Slot 355 mm inlet	600 mm	Airflow (l/s)	65	130	195	260	325	390	455				
			Total Pressure	1	6	13	23	36	52	70				
			Static Pressure	1	5	11	19	30	43	58				
			NC	--	--	--	20	27	33	38				
		Throw (m)	0.5-1-4	2-4-8	4-7-10	6-8-11	7-9-13	8-10-14	9-11-15					
		1200 mm	Airflow (l/s)	120	215	310	405	500	595	690				
			Total Pressure	2	8	17	30	45	64	86				
			Static Pressure	2	6	12	20	30	43	57				
			NC	--	--	--	21	27	33	38				
Throw (m)	0.5-1-5	2-4-10	3-7-11	6-9-13	7-10-14	9-11-16	10-12-17							
1500 mm	Airflow (l/s)	130	225	320	415	510	605	700						
	Total Pressure	3	8	16	27	41	58	78						
	Static Pressure	2	5	10	17	25	36	48						
	NC	--	--	--	19	25	31	35						
Throw (m)	0.4-1-4	1-3-9	2-6-11	4-8-13	6-10-14	8-11-16	9-12-17							
64 mm	2 Slot 355 mm inlet	600 mm	Airflow (l/s)	75	160	245	330	415	500	585				
			Total Pressure	1	7	16	30	47	68	94				
			Static Pressure	1	5	13	23	37	53	73				
			NC	--	--	--	23	30	36	41				
		Throw (m)	0.5-1-4	2-5-9	5-7-11	7-9-13	8-10-14	9-11-15	10-12-17					
		1200 mm	Airflow (l/s)	145	255	365	475	585	695	805				
			Total Pressure	3	10	21	36	54	77	103				
			Static Pressure	2	6	13	22	33	47	63				
			NC	--	--	--	23	30	35	40				
Throw (m)	0.5-1-5	2-4-10	3-7-12	5-9-14	8-11-15	9-12-17	10-13-18							
1500 mm	Airflow (l/s)	160	280	400	520	640	760	880						
	Total Pressure	4	11	23	39	59	83	111						
	Static Pressure	2	6	13	22	34	47	63						
	NC	--	--	15	23	30	36	40						
Throw (m)	0.4-1-4	1-3-10	3-6-12	5-9-14	7-11-16	9-12-17	10-13-18							
76 mm	2 Slot 355 mm inlet	600 mm	Airflow (l/s)	80	180	280	380	480	580	680				
			Total Pressure	1	7	18	34	54	78	108				
			Static Pressure	1	5	13	25	39	58	79				
			NC	--	--	--	24	31	38	43				
		Throw (m)	0.4-1-4	2-5-9	5-8-11	7-9-13	9-10-15	9-11-16	10-12-18					
		1200 mm	Airflow (l/s)	150	275	400	525	650	775	900				
			Total Pressure	3	11	23	40	62	87	118				
			Static Pressure	2	6	13	23	36	51	68				
			NC	--	--	15	24	31	37	41				
Throw (m)	0.4-1-4	1-3-10	3-6-12	5-9-14	8-11-16	9-12-17	11-13-19							
1500 mm	Airflow (l/s)	180	305	430	555	680	805	930						
	Total Pressure	4	12	25	41	62	86	115						
	Static Pressure	2	7	13	22	33	47	62						
	NC	--	--	16	24	31	36	41						
Throw (m)	0.4-1-4	1-3-10	2-5-12	4-9-14	6-11-16	8-12-17	10-13-18							

Performance Notes

- Testing in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Data is based on Jet Slot complete with Price Engineered Plenums (insulated) as a composite assembly.
- Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
- All pressures are in pascals.
- Throw values are given for terminal velocities of 0.75 m/s, 0.5 m/s, 0.25 m/s.
- Throw data based on supply air and room air being at isothermal conditions.
- Throw values are based on 1-way air pattern. For 2-way pattern, throw is determined from the 1-slot data at 1/2 the specified air volume.
- NC values are based on a room absorption of 10 dB re 10⁻¹² watts.
- Blanks (-) indicate an NC level below 15.
- Noise Criteria (NC) and Noise Rating Curves (NR) are equivalent for low noise output devices.
- All pressures are in Pascals, Pa.

Custom Flow Linear Jet-slot



JS c/w JSP and JST (50% Open - requires dual layer pattern controller option)

Performance Data - Imperial Units 1 Slot with Engineered Plenum

1.0 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	50	75	100	125	150	175	200
			Total Pressure	0.013	0.030	0.054	0.084	0.121	0.165	0.215
			Static Pressure	0.012	0.027	0.049	0.076	0.110	0.149	0.195
			NC (Noise Criteria)	-	-	-	-	21	26	30
			Throw	4-7-13	7-10-17	9-13-20	11-16-23	13-17-25	15-19-27	16-20-29
		4 ft	Air flow, cfm	100	140	180	220	260	300	340
			Total Pressure	0.030	0.059	0.098	0.146	0.204	0.271	0.348
			Static Pressure	0.025	0.049	0.081	0.121	0.169	0.225	0.289
			NC (Noise Criteria)	-	-	16	22	27	32	36
		Throw	6-9-18	8-12-22	11-16-25	13-19-27	15-21-30	18-23-32	20-24-34	
	5 ft	Air flow, cfm	110	155	200	245	290	335	380	
		Total Pressure	0.031	0.061	0.101	0.152	0.213	0.285	0.366	
		Static Pressure	0.024	0.049	0.081	0.122	0.170	0.227	0.292	
		NC (Noise Criteria)	-	-	16	22	27	32	36	
		Throw	5-9-17	8-12-22	10-15-26	13-19-28	15-22-31	17-23-33	20-25-35	
1.0 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	50	75	100	125	150	175	200
			Total Pressure	0.008	0.018	0.033	0.051	0.074	0.101	0.131
			Static Pressure	0.008	0.017	0.031	0.048	0.069	0.094	0.123
			NC (Noise Criteria)	-	-	-	-	-	20	24
			Throw	4-7-13	7-10-17	9-13-20	11-16-23	13-17-25	15-19-27	16-20-29
		4 ft	Air flow, cfm	100	140	180	220	260	300	340
			Total Pressure	0.018	0.036	0.059	0.089	0.124	0.165	0.212
			Static Pressure	0.016	0.032	0.053	0.078	0.110	0.146	0.187
			NC (Noise Criteria)	-	-	-	-	21	25	29
		Throw	6-9-18	8-12-22	11-16-25	13-19-27	15-21-30	18-23-32	20-24-34	
	5 ft	Air flow, cfm	110	165	220	275	330	385	440	
		Total Pressure	0.019	0.042	0.074	0.116	0.167	0.228	0.298	
		Static Pressure	0.016	0.036	0.064	0.100	0.145	0.197	0.257	
		NC (Noise Criteria)	-	-	-	19	25	30	34	
		Throw	5-9-17	9-13-23	11-17-27	14-21-30	17-23-33	20-25-35	22-27-38	
1.0 in. Slot Width	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	50	75	100	125	150	175	200
			Total Pressure	0.006	0.013	0.023	0.036	0.052	0.071	0.092
			Static Pressure	0.006	0.012	0.022	0.035	0.050	0.068	0.088
			NC (Noise Criteria)	-	-	-	-	-	-	19
			Throw	4-7-13	7-10-17	9-13-20	11-16-23	13-17-25	15-19-27	16-20-29
		4 ft	Air flow, cfm	100	145	190	235	280	325	370
			Total Pressure	0.013	0.027	0.046	0.071	0.101	0.135	0.176
			Static Pressure	0.012	0.025	0.043	0.065	0.093	0.125	0.162
			NC (Noise Criteria)	-	-	-	-	18	23	27
		Throw	6-9-18	8-13-22	11-17-26	14-20-28	16-22-31	19-24-33	21-25-36	
	5 ft	Air flow, cfm	110	170	230	290	350	410	470	
		Total Pressure	0.013	0.031	0.057	0.090	0.132	0.181	0.237	
		Static Pressure	0.012	0.028	0.052	0.082	0.119	0.164	0.215	
		NC (Noise Criteria)	-	-	-	16	22	27	32	
		Throw	5-9-17	9-13-24	12-18-27	15-22-31	18-24-34	21-26-37	23-28-39	
1.5 in. Slot Width in.	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	60	85	110	135	160	185	210
			Total Pressure	0.014	0.028	0.047	0.071	0.100	0.133	0.172
			Static Pressure	0.012	0.024	0.041	0.062	0.087	0.116	0.149
			NC (Noise Criteria)	-	-	-	-	17	22	26
			Throw	4-6-13	6-9-18	8-12-20	9-14-22	11-17-24	13-19-26	15-20-28
		4 ft	Air flow, cfm	120	160	200	240	280	320	360
			Total Pressure	0.031	0.056	0.087	0.126	0.171	0.223	0.283
			Static Pressure	0.024	0.043	0.067	0.096	0.131	0.171	0.216
			NC (Noise Criteria)	-	-	-	18	23	28	31
		Throw	4-8-17	7-11-22	9-14-25	11-17-27	13-19-29	15-22-32	17-24-33	
	5 ft	Air flow, cfm	140	180	220	260	300	340	380	
		Total Pressure	0.036	0.059	0.089	0.124	0.165	0.212	0.265	
		Static Pressure	0.026	0.043	0.064	0.090	0.119	0.153	0.191	
		NC (Noise Criteria)	-	-	-	18	22	26	30	
		Throw	4-9-17	6-11-22	9-13-25	11-16-28	12-18-30	14-21-32	16-23-33	

For performance notes, see page A59.

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All Metric dimensions () are soft conversion.
Imperial dimensions are converted to metric and rounded to the nearest millimeter.

Custom Flow Linear Jet-slot



JS c/w JSP and JST (50% Open - requires dual layer pattern controller option)

Performance Data - Imperial Units 1 Slot with Engineered Plenum

Slot Width	Inlet	Height	Air flow, cfm							
			70	120	170	220	270	320	370	
1.5 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	70	120	170	220	270	320	370
			Total Pressure	0.009	0.021	0.040	0.065	0.095	0.131	0.173
			Static Pressure	0.008	0.020	0.037	0.059	0.087	0.119	0.158
			NC (Noise Criteria)	-	-	-	-	17	23	27
		4 ft	Air flow, cfm	120	180	240	300	360	420	480
			Total Pressure	0.019	0.043	0.076	0.119	0.171	0.233	0.304
			Static Pressure	0.016	0.036	0.064	0.100	0.144	0.196	0.256
			NC (Noise Criteria)	-	-	-	19	25	30	34
		5 ft	Air flow, cfm	140	205	270	335	400	465	530
Total Pressure	0.022		0.047	0.081	0.124	0.177	0.240	0.311		
Static Pressure	0.018		0.038	0.066	0.101	0.144	0.194	0.252		
NC (Noise Criteria)	-		-	-	19	25	30	34		
1.5 in. Slot Width	1 Slot 12 in. Inlet (Oval)	2 ft	Air flow, cfm	60	95	130	165	200	235	270
			Total Pressure	0.006	0.015	0.028	0.045	0.067	0.092	0.121
			Static Pressure	0.006	0.014	0.026	0.043	0.063	0.086	0.114
			NC (Noise Criteria)	-	-	-	-	-	18	22
		4 ft	Air flow, cfm	120	185	250	315	380	445	510
			Total Pressure	0.013	0.032	0.058	0.091	0.133	0.182	0.239
			Static Pressure	0.012	0.028	0.051	0.081	0.118	0.162	0.213
			NC (Noise Criteria)	-	-	-	16	22	27	31
		5 ft	Air flow, cfm	140	215	290	365	440	515	590
			Total Pressure	0.015	0.036	0.065	0.103	0.149	0.204	0.268
			Static Pressure	0.013	0.031	0.056	0.089	0.130	0.178	0.233
			NC (Noise Criteria)	-	-	-	17	23	28	32
2.0 in. Slot Width	1 Slot 8 in. Inlet	2 ft	Air flow, cfm	70	110	150	190	230	270	310
			Total Pressure	0.015	0.037	0.070	0.112	0.164	0.226	0.298
			Static Pressure	0.013	0.031	0.058	0.093	0.137	0.189	0.249
			NC (Noise Criteria)	-	-	-	18	24	29	33
		4 ft	Air flow, cfm	140	180	220	260	300	340	380
			Total Pressure	0.034	0.056	0.084	0.117	0.156	0.200	0.250
			Static Pressure	0.024	0.040	0.059	0.083	0.110	0.141	0.177
			NC (Noise Criteria)	-	-	-	17	21	25	29
		5 ft	Air flow, cfm	150	200	250	300	350	400	450
			Total Pressure	0.033	0.058	0.091	0.131	0.179	0.234	0.296
			Static Pressure	0.021	0.038	0.059	0.085	0.116	0.152	0.192
			NC (Noise Criteria)	-	-	-	18	23	27	31
2.0 in. Slot Width	1 Slot 10 in. Inlet (Oval)	2 ft	Air flow, cfm	70	115	160	205	250	295	330
			Total Pressure	0.009	0.025	0.048	0.079	0.118	0.164	0.205
			Static Pressure	0.008	0.022	0.043	0.070	0.105	0.146	0.182
			NC (Noise Criteria)	-	-	-	-	20	25	29
		4 ft	Air flow, cfm	140	205	270	335	400	465	530
			Total Pressure	0.021	0.044	0.076	0.117	0.167	0.226	0.294
			Static Pressure	0.016	0.035	0.061	0.094	0.134	0.181	0.235
			NC (Noise Criteria)	-	-	-	18	24	28	33
		5 ft	Air flow, cfm	150	230	310	390	470	550	630
Total Pressure	0.020		0.046	0.084	0.134	0.194	0.266	0.348		
Static Pressure	0.015		0.035	0.064	0.102	0.148	0.202	0.265		
NC (Noise Criteria)	-		-	-	19	25	30	35		
LINEAR DIFFUSERS AND GRILLES		2 ft	Air flow, cfm	70	120	170	220	270	320	370
			Total Pressure	0.009	0.021	0.040	0.065	0.095	0.131	0.173
			Static Pressure	0.008	0.020	0.037	0.059	0.087	0.119	0.158
			NC (Noise Criteria)	-	-	-	-	17	23	27
		4 ft	Air flow, cfm	120	180	240	300	360	420	480
			Total Pressure	0.019	0.043	0.076	0.119	0.171	0.233	0.304
			Static Pressure	0.016	0.036	0.064	0.100	0.144	0.196	0.256
			NC (Noise Criteria)	-	-	-	19	25	30	34
		5 ft	Air flow, cfm	140	205	270	335	400	465	530
			Total Pressure	0.022	0.047	0.081	0.124	0.177	0.240	0.311
			Static Pressure	0.018	0.038	0.066	0.101	0.144	0.194	0.252
			NC (Noise Criteria)	-	-	-	19	25	30	34

For performance notes, see page A59.

Custom Flow Linear Jet-slot



JS c/w JSP and JST (50% Open - requires dual layer pattern controller option)

Performance Data - Imperial Units 1 Slot with Engineered Plenum

Slot Width	Inlet (Oval)	Height	Air flow, cfm								
			70	120	170	220	270	320	370	420	
2.0 in.	1 Slot 12 in.	2 ft	Air flow, cfm	70	120	170	220	270	320	370	420
			Total Pressure	0.006	0.019	0.038	0.064	0.096	0.135	0.181	
			Static Pressure	0.006	0.018	0.035	0.059	0.089	0.125	0.167	
		4 ft	NC (Noise Criteria)	-	-	-	-	18	23	28	
			Throw	3-6-13	7-11-20	10-15-24	13-19-28	16-22-31	19-24-33	21-25-36	
			Air flow, cfm	140	220	300	380	460	540	620	
		5 ft	Total Pressure	0.014	0.035	0.065	0.105	0.154	0.212	0.279	
			Static Pressure	0.012	0.030	0.056	0.090	0.132	0.182	0.240	
			NC (Noise Criteria)	-	-	-	17	23	29	33	
5 ft	Throw	3-8-16	8-13-25	12-18-29	15-22-33	18-26-37	21-28-40	24-30-42			
	Air flow, cfm	150	250	350	450	550	650	750			
	Total Pressure	0.014	0.038	0.074	0.123	0.184	0.257	0.342			
5 ft	Static Pressure	0.011	0.032	0.062	0.102	0.153	0.214	0.285			
	NC (Noise Criteria)	-	-	-	19	26	31	36			
	Throw	3-6-16	8-13-26	12-18-31	16-23-35	19-28-39	23-30-42	26-32-45			
2.5 in.	1 Slot 12 in.	2 ft	Air flow, cfm	80	140	200	260	320	380	440	
			Total Pressure	0.007	0.022	0.044	0.074	0.113	0.159	0.213	
			Static Pressure	0.006	0.020	0.040	0.068	0.102	0.144	0.193	
		4 ft	NC (Noise Criteria)	-	-	-	-	20	25	30	
			Throw	3-6-13	7-11-21	10-16-26	14-20-29	17-23-32	20-25-35	22-27-38	
			Air flow, cfm	150	250	350	450	550	650	750	
		5 ft	Total Pressure	0.014	0.038	0.074	0.122	0.183	0.255	0.340	
			Static Pressure	0.011	0.031	0.062	0.102	0.152	0.212	0.283	
			NC (Noise Criteria)	-	-	-	19	26	31	35	
5 ft	Throw	3-6-16	7-13-26	12-18-31	16-23-35	19-27-39	22-30-42	26-32-45			
	Air flow, cfm	160	275	390	505	620	735	850			
	Total Pressure	0.010	0.030	0.061	0.103	0.155	0.218	0.291			
5 ft	Static Pressure	0.010	0.030	0.061	0.103	0.155	0.218	0.291			
	NC (Noise Criteria)	-	-	-	20	26	31	36			
	Throw	2-5-15	6-13-25	12-18-32	15-23-36	19-28-40	22-31-44	26-33-47			
3.0 in.	1 Slot 14 in.	2 ft	Air flow, cfm	100	170	240	310	380	450	520	
			Total Pressure	0.007	0.021	0.041	0.069	0.103	0.145	0.193	
			Static Pressure	0.007	0.019	0.038	0.063	0.095	0.134	0.178	
		4 ft	NC (Noise Criteria)	-	-	-	-	19	24	29	
			Throw	3-7-14	8-12-23	11-17-27	15-22-31	18-24-35	21-27-38	23-29-40	
			Air flow, cfm	200	310	420	530	640	750	860	
		5 ft	Total Pressure	0.016	0.037	0.068	0.109	0.159	0.218	0.287	
			Static Pressure	0.013	0.032	0.059	0.094	0.137	0.188	0.247	
			NC (Noise Criteria)	-	-	-	18	24	29	33	
5 ft	Throw	3-8-19	8-14-29	13-20-33	16-25-37	20-29-41	23-31-44	27-34-48			
	Air flow, cfm	240	355	470	585	700	815	930			
	Total Pressure	0.019	0.041	0.071	0.110	0.158	0.214	0.279			
5 ft	Static Pressure	0.015	0.034	0.059	0.092	0.131	0.178	0.232			
	NC (Noise Criteria)	-	-	-	18	23	28	32			
	Throw	3-8-20	8-15-29	13-19-34	16-24-38	19-29-42	22-32-45	26-34-48			

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Data is based on Jet-slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in in. w.g.
5. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
6. Throw data is based on supply air and room air being at isothermal conditions.
7. Throw values are based on pattern controllers set 50% open. This requires dual layer pattern controllers (DPC option) to be selected.
8. NC values are based on a room absorption of 10 dB re 10⁻¹² watts and one diffuser.
9. Blanks (-) indicate an NC level below 15.

Jet-slot

JS c/w JSP and JST (50% Open - requires dual layer pattern controller option)

Performance Data - Metric Units 1 Slot with Engineered Plenum

LINEAR DIFFUSERS AND GRILLES

25 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow (l/s)	30	40	50	60	70	80	90
			Total Pressure	6	10	16	23	32	41	52
			Static Pressure	5	9	15	21	29	37	47
	NC		--	--	--	17	22	26	30	
	Throw (m)	2-3-5	2-4-6	3-4-6	4-5-7	4-5-8	5-6-8	5-6-9		
	1200 mm	Airflow (l/s)	45	65	85	105	125	145	165	
		Total Pressure	7	15	26	40	56	76	98	
		Static Pressure	6	13	22	33	47	64	83	
		NC	--	--	17	24	29	34	38	
Throw (m)	2-3-5	3-4-7	3-5-8	4-6-8	5-7-9	6-7-10	6-8-11			
1500 mm	Airflow (l/s)	55	75	95	115	135	155	175		
	Total Pressure	9	17	27	40	56	73	93		
	Static Pressure	7	14	22	33	45	59	75		
	NC	--	--	17	23	28	33	37		
Throw (m)	2-3-6	3-4-7	3-5-8	4-6-9	5-7-9	5-7-10	6-8-11			
25 mm Slot Width	1 Slot 255 mm inlet	600 mm	Airflow (l/s)	30	40	50	60	70	80	90
			Total Pressure	3	6	9	14	18	24	30
			Static Pressure	3	6	9	13	17	23	28
	NC		--	--	--	--	--	19	23	
	Throw (m)	2-3-5	2-4-6	3-4-6	4-5-7	4-5-8	5-6-8	5-6-9		
	1200 mm	Airflow (l/s)	45	65	85	105	125	145	165	
		Total Pressure	4	9	15	23	33	44	57	
		Static Pressure	4	8	13	21	29	39	51	
		NC	--	--	--	16	22	27	31	
Throw (m)	2-3-5	3-4-7	3-5-8	4-6-8	5-7-9	6-7-10	6-8-11			
1500 mm	Airflow (l/s)	55	80	105	130	155	180	205		
	Total Pressure	5	11	19	30	43	58	75		
	Static Pressure	5	10	17	26	37	50	65		
	NC	--	--	--	20	26	30	34		
Throw (m)	2-3-6	3-4-7	4-6-8	5-7-9	5-7-10	6-8-11	7-8-12			
25 mm Slot Width	1 Slot 305 mm inlet	600 mm	Airflow (l/s)	30	40	50	60	70	80	90
			Total Pressure	2	4	6	9	12	15	20
			Static Pressure	2	4	6	8	11	15	19
	NC		--	--	--	--	--	--	17	
	Throw (m)	2-3-5	2-4-6	3-4-6	4-5-7	4-5-8	5-6-8	5-6-9		
	1200 mm	Airflow (l/s)	50	70	90	110	130	150	170	
		Total Pressure	3	7	11	16	23	31	39	
		Static Pressure	3	6	10	15	21	28	36	
		NC	--	--	--	--	17	22	26	
Throw (m)	2-3-6	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	6-8-11			
1500 mm	Airflow (l/s)	50	80	110	140	170	200	230		
	Total Pressure	3	7	14	22	33	46	61		
	Static Pressure	2	7	13	20	30	41	55		
	NC	--	--	--	16	23	28	32		
Throw (m)	2-3-5	3-4-7	4-6-8	5-7-10	6-7-11	7-8-11	7-9-12			
38 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow (l/s)	30	40	50	60	70	80	90
			Total Pressure	4	8	12	17	23	30	38
			Static Pressure	4	7	10	15	20	26	33
	NC		--	--	--	--	16	20	24	
	Throw (m)	1-2-4	2-3-5	2-4-6	3-4-7	3-5-7	4-5-8	4-6-8		
	1200 mm	Airflow (l/s)	55	75	95	115	135	155	175	
		Total Pressure	8	15	24	35	48	63	81	
		Static Pressure	6	12	19	27	38	50	63	
		NC	--	--	--	20	26	30	34	
Throw (m)	1-3-5	2-4-7	3-5-8	4-5-8	4-6-9	5-7-10	6-7-10			
1500 mm	Airflow (l/s)	65	85	105	125	145	165	185		
	Total Pressure	9	16	24	35	47	61	76		
	Static Pressure	7	12	18	26	35	45	56		
	NC	--	--	--	20	25	29	32		
Throw (m)	1-3-5	2-4-7	3-4-8	3-5-9	4-6-9	5-7-10	5-7-10			

For performance notes, see page A62.

Custom Flow Linear Jet-slot



JS c/w JSP and JST (50% Open - requires dual layer pattern controller option)

Performance Data - Metric Units 1 Slot with Engineered Plenum

38 mm Slot Width	1 Slot 255 mm inlet	600 mm	Airflow (l/s)	30	55	80	105	130	155	180
			Total Pressure	2	8	18	30	47	66	89
			Static Pressure	2	8	16	28	43	61	82
	NC		--	--	--	22	29	34	39	
	Throw (m)	1-2-4	3-4-6	4-5-8	5-6-9	6-7-10	6-8-11	7-8-12		
	1200 mm	Airflow (l/s)	55	85	115	145	175	205	235	
		Total Pressure	5	11	20	33	47	65	85	
		Static Pressure	4	10	17	28	40	55	72	
		NC	--	--	--	21	27	32	36	
Throw (m)	1-3-5	3-4-7	4-5-8	5-7-10	6-7-10	6-8-11	7-9-12			
1500 mm	Airflow (l/s)	65	95	125	155	185	215	245		
	Total Pressure	5	12	20	31	44	60	78		
	Static Pressure	4	10	17	26	36	49	64		
	NC	--	--	--	19	25	30	34		
Throw (m)	1-3-5	3-4-8	3-5-9	4-7-10	5-7-10	6-8-11	7-9-12			
38 mm Slot Width	1 Slot 305 mm inlet	600 mm	Airflow (l/s)	30	45	60	75	90	105	120
			Total Pressure	1	3	6	10	14	20	26
			Static Pressure	1	3	6	9	14	18	24
	NC		--	--	--	--	--	16	20	
	Throw (m)	1-2-4	2-3-6	3-4-7	4-5-7	4-6-8	5-6-9	5-7-9		
	1200 mm	Airflow (l/s)	60	90	120	150	180	210	240	
		Total Pressure	3	8	14	22	32	44	58	
		Static Pressure	3	7	13	20	29	39	51	
		NC	--	--	--	16	22	27	31	
Throw (m)	2-3-6	3-4-7	4-6-9	5-7-10	6-8-11	7-8-11	7-9-12			
1500 mm	Airflow (l/s)	65	100	135	170	205	240	275		
	Total Pressure	3	8	15	24	35	48	63		
	Static Pressure	3	7	13	21	31	42	55		
	NC	--	--	--	16	22	27	32		
Throw (m)	1-3-5	3-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13			
51 mm Slot Width	1 Slot 205 mm inlet	600 mm	Airflow (l/s)	33	52	71	90	109	127	146
			Total Pressure	4	10	19	30	45	62	81
			Static Pressure	4	9	16	26	38	52	69
	NC		--	--	--	20	26	31	35	
	Throw (m)	1.1-2.0-4.1	2.1-3.2-6.0	2.9-4.4-7.0	3.7-5.5-7.9	4.5-6.2-8.7	5.2-6.7-9.4	5.8-7.1-10.1		
	1200 mm	Airflow (l/s)	60	80	100	120	140	160	180	
		Total Pressure	8	13	21	30	41	55	68	
		Static Pressure	6	10	15	22	30	40	50	
		NC	--	--	--	18	22	27	30	
Throw (m)	1-2-5	2-3-6	3-4-8	3-5-8	4-6-9	4-6-10	5-7-10			
1500 mm	Airflow (l/s)	65	90	115	140	165	190	215		
	Total Pressure	7	14	23	35	49	64	82		
	Static Pressure	5	10	16	24	33	44	56		
	NC	--	--	--	19	24	29	33		
Throw (m)	1-2-5	2-3-6	3-4-8	3-5-9	4-6-10	5-7-10	5-8-11			
50 mm Slot Width	1 Slot 255 mm inlet	600 mm	Airflow (l/s)	35	55	75	95	115	135	155
			Total Pressure	3	7	12	20	29	40	53
			Static Pressure	2	6	11	18	26	36	47
	NC		--	--	--	--	20	25	30	
	Throw (m)	1-2-4	2-3-6	3-5-7	4-6-8	5-6-9	6-7-10	6-7-10		
	1200 mm	Airflow (l/s)	65	95	125	155	185	215	245	
		Total Pressure	5	11	19	30	42	57	74	
		Static Pressure	4	9	16	24	34	46	60	
		NC	--	--	--	18	24	29	33	
Throw (m)	1-3-5	3-4-7	3-5-9	4-6-10	5-7-10	6-8-11	7-8-12			
1500 mm	Airflow (l/s)	70	110	150	190	230	270	310		
	Total Pressure	5	13	23	38	55	76	100		
	Static Pressure	4	10	18	29	43	59	77		
	NC	--	--	--	21	28	33	37		
Throw (m)	1-2-5	2-4-8	4-5-9	5-7-10	5-8-11	6-9-12	7-9-13			

For performance notes, see page A62.

Custom Flow Linear Jet-slot



JS c/w JSP and JST (50% Open - requires dual layer pattern controller option)

Performance Data - Metric Units 1 Slot with Engineered Plenum

Slot Width	Inlet	Slot Length	Performance Data											
			Airflow (l/s)	Total Pressure	Static Pressure	NC	Throw (m)	Airflow (l/s)	Total Pressure	Static Pressure	NC	Throw (m)		
51 mm	1 Slot 305 mm inlet	600 mm	Airflow (l/s)	30	55	80	105	130	155	180				
			Total Pressure	1	4	9	16	24	34	46				
			Static Pressure	1	4	8	14	22	31	42				
			NC	--	--	--	--	18	24	29				
		Throw (m)	1-2-4	2-3-6	3-5-7	4-6-9	5-7-10	6-7-10	6-8-11					
		1200 mm	Airflow (l/s)	60	100	140	180	220	260	300				
			Total Pressure	3	8	16	26	39	54	72				
			Static Pressure	3	7	13	22	33	46	62				
			NC	--	--	--	17	24	29	33				
Throw (m)	1-2-5	3-4-8	4-6-9	5-7-10	6-8-11	7-9-12	8-9-13							
1500 mm	Airflow (l/s)	75	120	165	210	255	300	345						
	Total Pressure	4	10	18	30	44	61	80						
	Static Pressure	3	8	15	25	36	50	66						
	NC	--	--	--	19	25	30	35						
Throw (m)	1-2-5	3-4-8	4-6-10	5-7-11	6-8-12	7-9-13	8-10-14							
64 mm	1 Slot 305 mm inlet	600 mm	Airflow (l/s)	35	65	95	125	155	185	215				
			Total Pressure	1	5	11	19	29	41	55				
			Static Pressure	1	5	10	17	26	37	50				
			NC	--	--	--	--	20	26	31				
		Throw (m)	1-2-4	2-4-7	3-5-8	5-6-9	6-7-10	6-8-11	7-8-12					
		1200 mm	Airflow (l/s)	75	120	165	210	255	295	340				
			Total Pressure	4	10	18	29	44	58	77				
			Static Pressure	3	8	15	24	36	48	64				
			NC	--	--	--	19	25	30	34				
Throw (m)	1-2-5	3-4-8	4-6-10	5-7-11	6-8-12	7-9-13	8-10-14							
1500 mm	Airflow (l/s)	75	130	185	240	295	340	395						
	Total Pressure	3	9	19	32	49	65	88						
	Static Pressure	3	8	15	26	39	52	70						
	NC	--	--	--	20	26	31	35						
Throw (m)	1-2-5	2-4-8	4-6-10	5-8-11	6-9-12	7-9-13	8-10-14							
76 mm	1 Slot 355 mm inlet	600 mm	Airflow (l/s)	45	80	115	150	185	220	255				
			Total Pressure	1	5	9	16	24	35	47				
			Static Pressure	1	4	9	15	22	32	43				
			NC	--	--	--	--	18	24	29				
		Throw (m)	1-2-4	3-4-7	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13					
		1200 mm	Airflow (l/s)	100	150	200	250	300	350	400				
			Total Pressure	4	9	16	25	36	49	64				
			Static Pressure	3	8	14	21	31	42	54				
			NC	--	--	--	17	22	27	31				
Throw (m)	1-3-6	3-5-9	4-6-10	5-8-12	6-9-13	8-10-14	8-10-15							
1500 mm	Airflow (l/s)	110	165	220	275	330	385	440						
	Total Pressure	4	9	16	25	37	50	65						
	Static Pressure	3	8	13	21	30	41	54						
	NC	--	--	--	16	22	27	31						
Throw (m)	1-3-6	3-5-9	4-6-11	5-8-12	6-9-13	7-10-14	8-11-15							

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets".
2. Data is based on Jet Slot complete with Price Engineered Plenums (insulated) as a composite assembly.
3. Plenums not provided by Price may demonstrate performance variations from data published by Price. Price cannot guarantee performance if a factory engineered plenum is not provided.
4. All pressures are in Pascals.
5. Throw projection is in meters to terminal velocities of 0.75 m/s minimum, 0.5 m/s middle, and 0.25 m/s maximum.
6. Throw data based on supply air and room air being at isothermal conditions.
7. Throw values are based on pattern controllers set 50% open.
8. NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² watts.
9. Blanks (--) indicate an NC level below 15.
10. All pressures are in Pascals, Pa.

Linear Diffusers and Grilles Application Guidelines

Product Overview

Overview

The products in this section have been designed to satisfy architectural concepts that require continuous length applications without compromising air distribution performance. Based on supply air performance features and physical characteristics, these products can be divided into two product series, linear slot and linear bar grilles.

Linear Slot Diffusers

Price SDS linear slot diffusers provide a combination of engineering excellence and architectural appeal in a single product. The solid extruded aluminum construction contributes to the clean, crisp, straight lines without any compromise to air distribution performance. A wide choice of border styles and mounting frames are available to coordinate with ceiling and installation details.

Application

Linear slot diffusers for supply air applications are usually installed in ceilings or high sidewall locations. Since these diffusers feature an adjustable supply air pattern, their intended performance could be impaired if unauthorized personnel should gain access and tamper with the air pattern controllers.

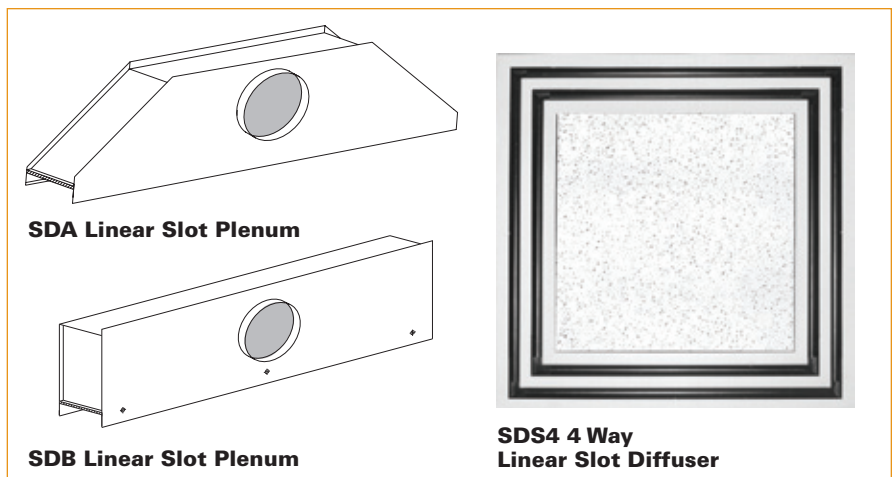
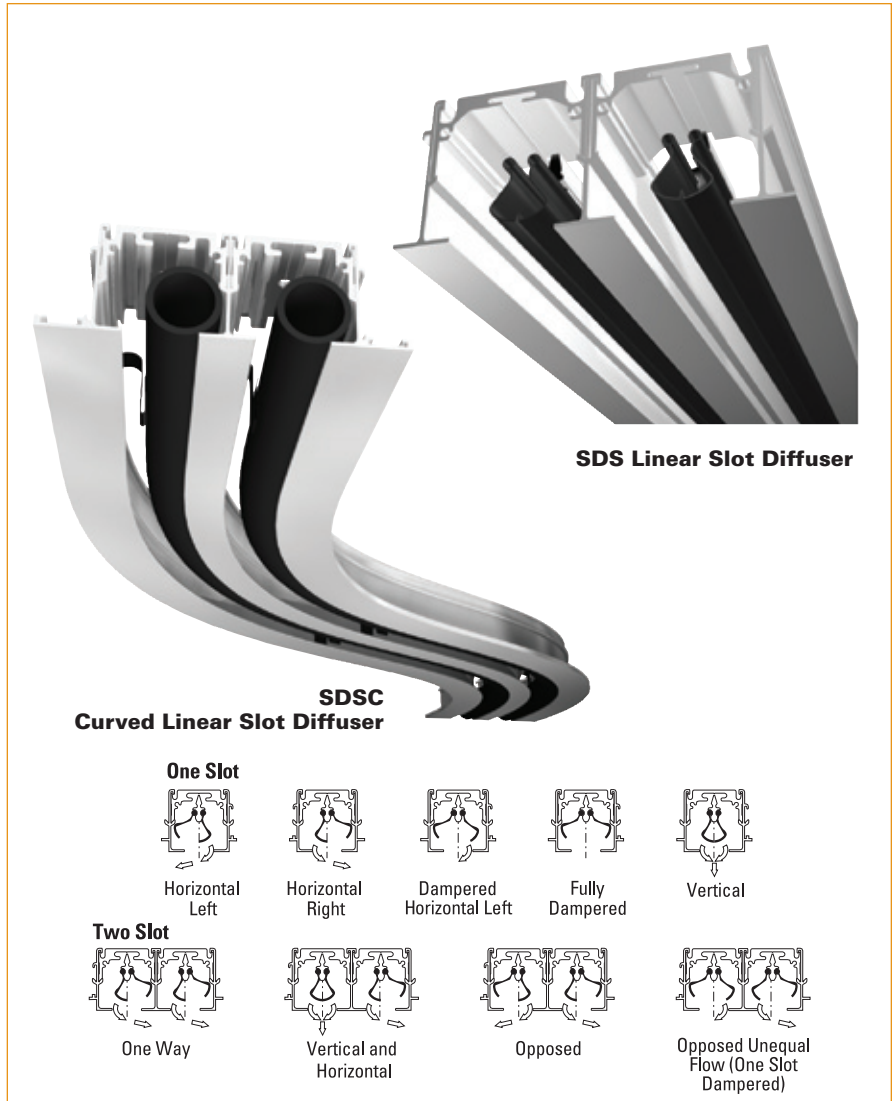
The SDS linear slot diffuser is highly recommended for VAV applications as it can maintain a stable horizontal air pattern over a wide range of air volumes, even down to low flow rates. The precise aerodynamically shaped pattern controllers contribute to this performance stability and provide a full 180° of air pattern adjustment. Three slot widths are available, with the number of slots ranging from one to ten, all in one-piece construction.

Linear Slot Plenums

Linear slot plenums are an available accessory for 1 to 4 slot models of SDS linear slot diffusers. Utilizing flexible duct connections, they are designed to save on-site fabrication and field labour. The SDA series is a slope-shouldered plenum design that contributes directly to the superior performance of wider spreads and shorter throws. The SDB series is an economical block-ended design that provides less spread and generally longer throws. The type of ceiling involved would dictate the model selection.

SDS4 - 4 Way Slot Diffuser

The Price SDS4 series 4 way diffuser combines SDS linear slot diffusers and a factory fabricated plenum section into a single diffuser assembly. They are designed for use in high performance VAV systems and to integrate with suspended ceiling tile systems. A ceiling tile as supplied by others can be field cut and placed into the face of the diffuser assembly.



LINEAR DIFFUSERS AND GRILLES

Linear Diffusers and Grilles Application Guidelines



Product Overview

Linear Bar Grilles

Price offers a complete selection of extruded aluminum linear bar grilles for clean, crisp styling and efficient air distribution. They are designed for installation in sidewall, sill or floor and can be used for supply or return air in heating, cooling or ventilating applications. They combine architectural beauty with performance and versatility. With fixed bars parallel to the long dimension, linear bar grilles are a popular choice for continuous line use for a variety of applications.

Application

Linear bar grilles for supply air applications are usually installed in floors, in window sills or in high sidewall locations. They are not recommended for ceiling mounted supply air applications. Linear bar grilles are an excellent choice for applications that will be exposed heavy traffic. Rugged construction and a fixed air pattern effectively limit any potential for unauthorized tampering.

While linear bar grilles are only available with fixed air patterns, core patterns of 0°, 15° or 30° deflection can be selected. Linear bar grilles with 0° core deflection are more frequently selected for return air applications as both pressure drops and noise levels are significantly lower than those for the 15° or 30° core deflections.

For supply air applications, 0° core selections are usually confined to floor or low sill applications where a vertical air pattern is satisfactory. Linear bar grilles in sidewall locations near the ceiling can provide a horizontal air pattern above the comfort zone, providing that a core deflection of 15° or 30° is selected. This core deflection would direct the air pattern up and across the ceiling, where air distribution would then benefit from the ceiling Coanda effect.

For horizontal air patterns of cooling air in free space, a 15° or 30° core deflection in combination with a high sidewall location is required. This will allow the air pattern to be directed upward sufficiently to compensate for the drop resulting from the cooling differential of the supply air.

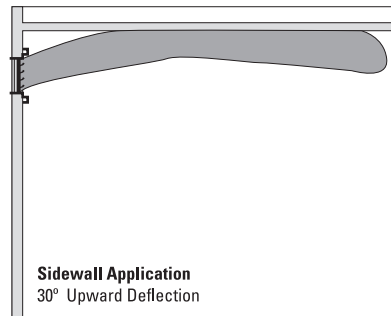
The 15° or 30° core deflection also reduces the open appearance of the grille face.

Linear bar grilles installed in the top of a sill or an enclosure provide a vertical air pattern. This is effective in counteracting cold down drafts and in offsetting the radiant effects of glass surfaces. A 15° deflection, directed toward the glass, will increase the air pattern spread on the glass. A 30° deflection will spread the air pattern even further, minimizing the throw across the ceiling.

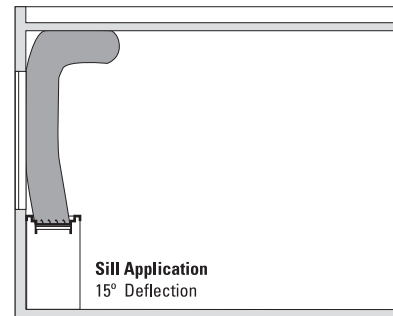
It is recommended that selections of ceiling mounted linear bar grilles be limited to return air or exhaust applications. When



Linear Bar Grilles



Sidewall Application
30° Upward Deflection



Sill Application
15° Deflection

Linear Bar Grilles - Typical Air Patterns



Linear Vane Diffuser (LV1 shown)



Linear Enclosure

ceiling mounted for supply air, they will provide a vertical projection air pattern. Generally vertical projection is required only for spot heating or spot cooling applications such as entrance vestibules.

Both the LBPH series and the LBMH series have been designed for heavy duty applications such as floor mounting. Both series include a removable core as a standard feature. Border frames are heavy duty extruded aluminum sections. The grille cores of the LBPH series are produced by the pressed core assembly method. The LBMH series features Mandrel tube assembly of the grille core, contributing to superior heavy duty characteristics without compromising appearance. The LBMH series of linear bar grilles has been designed to accommodate the difficult, heavy duty applications that require a stronger, more rugged product than those generally available in the industry.

Linear Vane Diffusers

Price linear vane diffusers are designed for use in continuous lengths and can be used for supply or return air applications. The linear vanes provide a fixed air pattern and are available in 1 way or 2 way air patterns in a variety of standard sizes, with a full range of optional accessories.

Linear Enclosures

Customized aluminum or steel construction linear enclosures are available from Price to provide attractive, functional linear designs suitable for convectors, radiators and forced air heating. Linear enclosures are available as floor supported, wall mounted or free standing units. For detailed information or a customized application, consult your Price sales rep.

Linear Slot Diffusers SDS / SDR Series

Product Information

Price SDS / SDR Series supply and return linear slot diffusers offer high performance in a VAV outlet with 180° air pattern control and complete blank-off for true design flexibility. The crisp, clean lines of this linear slot diffuser are architecturally appealing and, with its extruded aluminum frames, it virtually blends into any ceiling system.

A precisely shaped aerodynamic pattern controller provides a full 180° range of air pattern adjustment from vertical to a tight ceiling-hugging horizontal air pattern. The curved, aerodynamic shape of the pattern controller is essential in achieving an exceptionally tight horizontal ceiling pattern.

Extruded aluminum frame construction ensures the dimensional precision of the diffuser.

- Solid extruded aluminum border and frame construction.
- Modern architectural design; true flexibility of application.
- 180° air pattern adjustment and complete flow rate control with stable horizontal air pattern.
- No “lefts” or “rights” makes for simple specification and installation.
- Provision for three methods of air supply:
 - Air duct. Choose from linear, round, or rectangular.
 - Diffuser plenum accessories. Choose from SDA and SDB on pages A53 - A63.
 - Pressurized ceiling plenum.
- Available in one through ten slots (one-piece construction), with three slot widths for low, medium and high capacity requirements.
- Joiner strips provide for continuous slots.
- Four end configurations available.
- Matching return SDR (supplied without pattern controllers).
- Compatible with Armstrong® TechZone™ style ceilings (styles 18, 19 and 20).
- Curved diffusers are offered in 1 & 2 slot models. Pattern controllers are factory set.

Finish

Pattern controllers are black **B17**
 Diffuser face:
 White Powder Coat **B12**
 For optional and special finishes see color matrix

Models

Supply

- 1/2 in. [13] Slot Width
- 3/4 in. [19] Slot Width
- 1 in. [25] Slot Width
- 1 1/2 in. [38] Slot Width

SDS50
SDS75
SDS100
SDS150

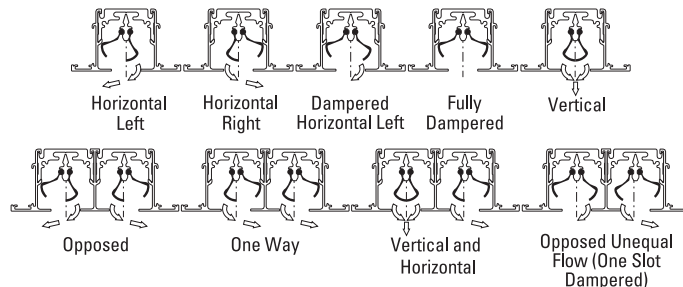
Return

- 1/2 in. [13] Slot Width
- 3/4 in. [19] Slot Width
- 1 in. [25] Slot Width
- 1 1/2 in. [38] Slot Width

SDR50
SDR75
SDR100
SDR150



Pattern Adjustment



✓ Product Selection Checklist

- 1] Select Unit Length based on installation / performance requirements.
- 2] Select Outlet Type (Slot Width) by model number.
- 3] Select Number of Slots based on desired performance characteristics.
- 4] Select Border Style according to installation requirements (standards shown page A45 - A46).
- 5] Select End Condition (page A48).
- 6] Select Accessories, if desired (page A49).
- 7] Select Finish.

Example: 60 in. / SDS75 / 4 / 14 / ZZ / B12

Application Recommendations:

Surface Mount	Concealed Face	2 Border	XX End Condition
	Concealed Plaster	1 Border	XX End Condition
T-bar Lay-in	1 in. [25] T-bar, Flush	8, 8A Border	XX End Condition
	9/16 in. [14] T-bar, Narrow	14 Border	ZZ End Condition
	9/16 in. [14] T-bar, Narrow, Tegular	916 Border	ZZ End Condition
	1 in. [25] T-bar, Armstrong® TechZone™	17 Border	ZZ End Condition
	9/16 in. [14] T-bar, Armstrong® TechZone™	19 Border	ZZ End Condition
	1 5/16 in. [24] T-bar, Tegular, Armstrong® TechZone™	20 Border	ZZ End Condition
	9/16 in. [14] Tegular, Armstrong® TechZone™	18 Border	ZZ End Condition
	1 in. [25] T-Bar, Hunter Douglas® Techstyle™	21 Border	No End Cap
	1 in. [25] T-Bar, Hunter Douglas® Techstyle™	22 Border	WW End Condition
Concealed Spline		12 Border	ZZ End Condition
Exposed Duct	Curved Face	16 Border	XX End Condition

Linear Slot Diffusers SDS / SDR Specials



SDSC - Curved SDRC - Curved

Linear Slot Diffusers - Curved Profile

SDSC Supply

1/2 in. [13] Slot Width
3/4 in. [19] Slot Width
1 in. [25] Slot Width

SDSC50
SDSC75
SDSC100

SDRC Return

1/2 in. [13] Slot Width
3/4 in. [19] Slot Width
1 in. [25] Slot Width

SDRC50
SDRC75
SDRC100

Price Linear Slot Diffusers for curved wall & ceiling applications. Curved Linear slot diffusers are available in flat faced curves for both the supply and return applications. The pattern controllers are finished in black color for improved esthetics. The pattern controllers are factory set for one or two way air discharge pattern.

- Extruded aluminum construction
- Pattern controllers are factory set for one or 2-way discharge pattern. Pattern controllers are finished in black.
- Supplied with angled (W) endcaps.
- Curved factory built plenums are also available

Available Sizes

Available radii vary depending on model, number and width of slots, and length. Contact your Price sales rep. with specifications for availability.

Finish

Face - White Powder Coat
Pattern controller - Black

B12
B17

For optional and special finishes see color matrix.



LINEAR DIFFUSERS AND GRILLES

□ SDRC Return (1-Slot Shown)

□ SDSC Return (2-Slot Shown)

□ Inlet Side (Plenums)

NOTE: Please identify inlet side when ordering engineered plenums.

W Angle End Cap

Face Overall = A + 1" (25)

Note: Minimum Radius = 72"

Slots	Model	Slot Width	W	R = Radius
1	SD 50	1/2	2	
1	SD 75	3/4	2 1/4	
1	SD 100	1	2 1/2	
2	SD 50	1/2	3 1/4	
2	SD 75	3/4	3 3/4	
2	SD 100	1	4 1/4	

□ **A = Arc Length**
or
□ **B = Chord Length**

Note: Minimum Radius = 1829mm

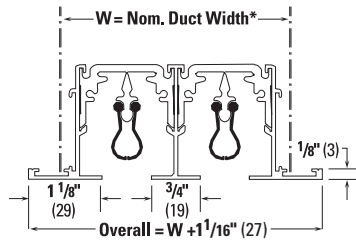
Slots	Model	Slot Width	W	R = Radius
1	SD 50	13	51	
1	SD 75	19	57	
1	SD 100	25	63	
2	SD 50	13	83	
2	SD 75	19	95	
2	SD 100	25	108	

□ **A = Arc Length**
or
□ **B = Chord Length**

Standard Borders / Frames

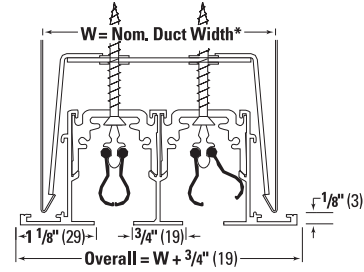
Surface Mount

- Type 1** Screw mounted flange frame
- Type 1B** Less screw holes



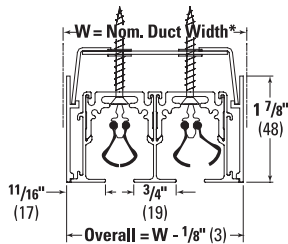
Surface Mount - Concealed

- Type 2** Flanged frame



Surface Mount with Plaster Frame

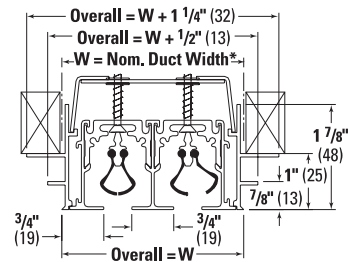
- Type 3**



For concealed mounting of flush frame along walls or fixtures.

Surface Mount with Plaster Frame

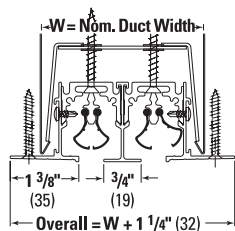
- Type 6**



For concealed mounting of flush frame in plaster or tile.

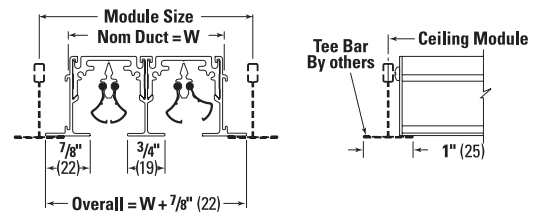
Surface Mount - Concealed Plaster Frame

- Type 8A** Screw Mounted
- Type 8** Concealed Mounting Bracket



T-bar Lay-in

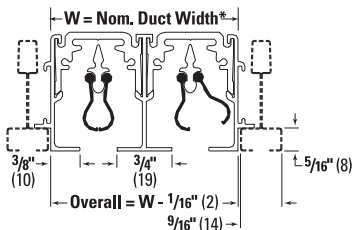
- Type 14** Inverted T 1 in. [25] flush mount



End cap designed to rest on the back of the T-bar flange. When installed, diffuser flanges are flush with T-bar flange.

T-bar Lay-in

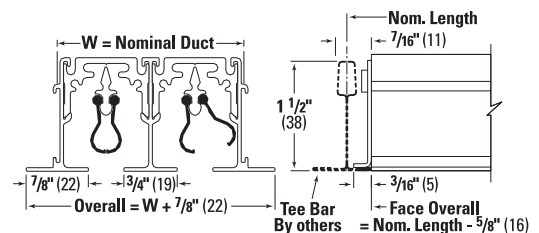
- Type 17** Tegular; Narrow Member 9/16 in. [14]



Diffuser rests on back of T-bar flange, diffuser face flush with T-bar face.

T-bar Lay-in

- Type 916** Narrow Member 9/16 in. [14] Flat T



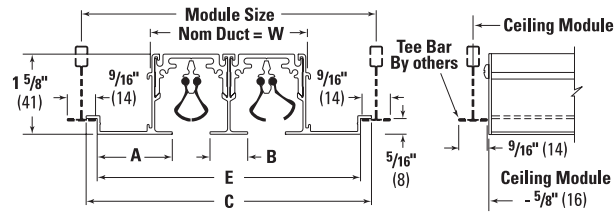
End cap designed to rest on the back of the T-bar flange. When installed, diffuser flanges are flush with T-bar flange.

* see page A46 for duct dimensions.

Optional Borders / Frames

LINEAR DIFFUSERS AND GRILLES

Armstrong® TechZone™, Tegular Type 18 9/16 in. [14], T-bar Armstrong® TechZone™



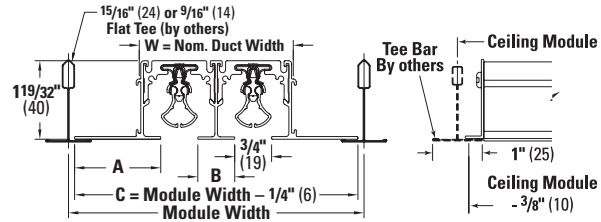
Imperial (in.)

No. Slots	Module Size	Duct Size D'	A	B	C	E
1	4 in.	1 ⁵ / ₈ "	1 ⁵ / ₁₆ "	--	3 ¹³ / ₁₆ "	3 ³ / ₈ "
2	4 in.	3 ¹ / ₈ "	9/16"	3/4"	3 ¹³ / ₁₆ "	3 ³ / ₈ "
1	6 in.	1 ⁵ / ₈ "	2 ⁵ / ₁₆ "	--	5 ¹³ / ₁₆ "	5 ³ / ₈ "
2	6 in.	3 ¹ / ₈ "	1 ⁹ / ₁₆ "	3/4"	5 ¹³ / ₁₆ "	5 ³ / ₈ "
3	6 in.	4 ⁵ / ₈ "	1 ³ / ₁₆ "	3/4"	5 ¹³ / ₁₆ "	5 ³ / ₈ "
4	6 in.	5 ¹ / ₈ "	7/16"	1/2"	5 ¹³ / ₁₆ "	5 ³ / ₈ "

Metric (mm)

No. Slots	Module Size	Duct Size D'	A	B	C	E
1	4 in.	41	33	--	97	86
2	4 in.	79	14	19	97	86
1	6 in.	41	59	--	148	137
2	6 in.	79	40	19	148	137
3	6 in.	117	21	19	148	137
4	6 in.	130	11	13	148	137

Armstrong® TechZone™ Type 19 1 in. [25], 9/16 in. [14], T-bar Armstrong® TechZone™



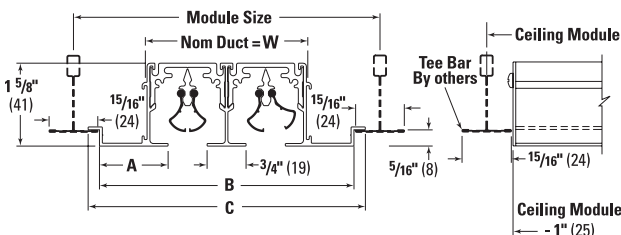
Imperial (in.)

No. Slots	Module Size	Duct Size D'	A	B	C
1	4 in.	1 ⁵ / ₈ "	1 ¹ / ₂ "	--	3 ³ / ₄ "
2	4 in.	3 ¹ / ₈ "	3/4"	3/4"	3 ³ / ₄ "
1	6 in.	1 ⁵ / ₈ "	2 ¹ / ₂ "	--	5 ³ / ₄ "
2	6 in.	3 ¹ / ₈ "	1 ³ / ₄ "	3/4"	5 ³ / ₄ "
3	6 in.	4 ⁵ / ₈ "	1"	3/4"	5 ³ / ₄ "
4	6 in.	5 ¹ / ₈ "	5/8"	1/2"	5 ³ / ₄ "

Metric (mm)

No. Slots	Module Size	Duct Size D'	A	B	C
1	4 in.	41	38	--	95
2	4 in.	79	19	19	95
1	6 in.	41	63	--	146
2	6 in.	79	44	19	146
3	6 in.	117	25	19	146
4	6 in.	130	16	13	146

Armstrong® TechZone™, Tegular Type 20 1⁵/₁₆ in. [24], T-bar Armstrong® TechZone™



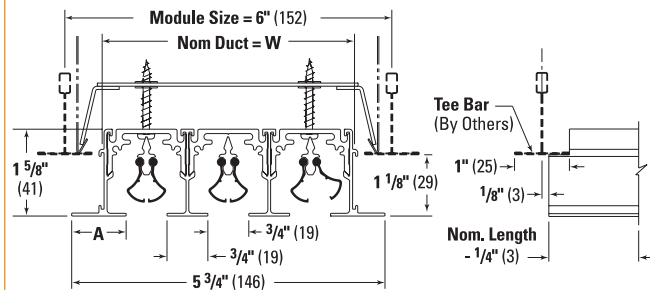
Imperial (in.)

No. Slots	Module Size	Duct Size D'	A	B	C
1	4 in.	1 ⁵ / ₈ "	1 ¹ / ₈ "	3"	3 ⁷ / ₁₆ "
2	4 in.	3 ¹ / ₈ "	3/8"	3"	3 ⁷ / ₁₆ "
1	6 in.	1 ⁵ / ₈ "	2 ¹ / ₈ "	5"	5 ⁷ / ₁₆ "
2	6 in.	3 ¹ / ₈ "	1 ³ / ₈ "	5"	5 ⁷ / ₁₆ "
3	6 in.	4 ⁵ / ₈ "	5/8"	5"	5 ⁷ / ₁₆ "

Metric (mm)

No. Slots	Module Size	Duct Size D'	A	B	C
1	4 in.	41	29	76	87
2	4 in.	79	10	76	87
1	6 in.	41	54	127	138
2	6 in.	79	45	127	138
3	6 in.	117	16	127	138

T-bar TechStyle Type 21



Dimensional Data W for Available Frame Types

Imperial (in.)

No. Slots	Frame 1				Frames 2, 3, 6, 7, 8				Frames 9, 12, 14, 916, 15, 17				Frame 18, 19	Frame 20	Frame 21, 22
	SDS50	SDS75	SDS100	SDS150	SDS50	SDS75	SDS100	SDS150	SDS50	SDS75	SDS100	SDS150	SDS75	SDS75	SDS75
1	1 ¹¹ / ₁₆ "	1 ¹⁵ / ₁₆ "	2 ³ / ₁₆ "	2 ¹¹ / ₁₆ "	2"	2 ¹ / ₄ "	2 ¹ / ₂ "	3"	1 ⁵ / ₈ "	1 ⁵ / ₈ "	1 ⁷ / ₈ "	2 ³ / ₈ "	1 ⁵ / ₈ "	1 ⁵ / ₈ "	n/a
2	2 ¹⁵ / ₁₆ "	3 ¹ / ₁₆ "	3 ¹⁵ / ₁₆ "	4 ¹⁵ / ₁₆ "	3 ¹ / ₄ "	3 ³ / ₄ "	4 ¹ / ₄ "	5 ¹ / ₄ "	2 ⁵ / ₈ "	3 ¹ / ₈ "	3 ⁵ / ₈ "	4 ⁵ / ₈ "	3 ¹ / ₈ "	3 ¹ / ₈ "	n/a
3	4 ³ / ₁₆ "	4 ¹⁵ / ₁₆ "	5 ¹¹ / ₁₆ "	7 ³ / ₁₆ "	4 ¹ / ₂ "	5 ¹ / ₄ "	6"	7 ¹ / ₂ "	3 ⁷ / ₈ "	4 ³ / ₈ "	5 ³ / ₈ "	6 ⁷ / ₈ "	4 ³ / ₈ "	4 ³ / ₈ "	4 ³ / ₈ "
4	5 ⁷ / ₁₆ "	6 ¹ / ₁₆ "	7 ⁷ / ₁₆ "	9 ⁷ / ₁₆ "	5 ³ / ₄ "	6 ³ / ₄ "	7 ³ / ₄ "	9 ³ / ₄ "	5 ¹ / ₈ "	6 ¹ / ₈ "	7 ¹ / ₈ "	9 ¹ / ₈ "	5 ¹ / ₈ "		
5	6 ¹¹ / ₁₆ "	7 ¹⁵ / ₁₆ "	9 ³ / ₁₆ "	11 ¹¹ / ₁₆ "	7"	8 ¹ / ₄ "	9 ¹ / ₂ "	12"	6 ³ / ₈ "	7 ⁵ / ₈ "	8 ⁷ / ₈ "	11 ³ / ₈ "			
6	7 ¹⁵ / ₁₆ "	9 ⁷ / ₁₆ "	10 ¹⁵ / ₁₆ "	13 ¹⁵ / ₁₆ "	8 ¹ / ₄ "	9 ³ / ₄ "	11 ¹ / ₄ "	14 ¹ / ₄ "	7 ⁵ / ₈ "	9 ¹ / ₈ "	10 ⁵ / ₈ "	13 ⁵ / ₈ "			
7	9 ³ / ₁₆ "	10 ¹⁵ / ₁₆ "	12 ¹¹ / ₁₆ "	16 ³ / ₁₆ "	9 ¹ / ₂ "	11 ¹ / ₄ "	13"	16 ¹ / ₂ "	8 ⁷ / ₈ "	10 ⁵ / ₈ "	12 ³ / ₈ "	15 ⁷ / ₈ "			
8	10 ⁷ / ₁₆ "	12 ⁷ / ₁₆ "	14 ⁷ / ₁₆ "	18 ⁷ / ₁₆ "	10 ³ / ₄ "	12 ³ / ₄ "	14 ³ / ₄ "	18 ³ / ₄ "	10 ¹ / ₈ "	12 ¹ / ₈ "	14 ¹ / ₈ "	18 ¹ / ₈ "			
9	11 ¹¹ / ₁₆ "	13 ¹⁵ / ₁₆ "	16 ³ / ₁₆ "	20 ¹¹ / ₁₆ "	12	14 ¹ / ₄ "	16 ¹ / ₂ "	21"	11 ³ / ₈ "	13 ⁵ / ₈ "	15 ⁷ / ₈ "	20 ³ / ₈ "			
10	12 ¹⁵ / ₁₆ "	15 ⁷ / ₁₆ "	17 ¹⁵ / ₁₆ "	22 ¹⁵ / ₁₆ "	13 ¹ / ₄ "	15 ³ / ₄ "	18 ¹ / ₄ "	23 ¹ / ₄ "	12 ⁵ / ₈ "	15 ¹ / ₈ "	17 ⁵ / ₈ "	22 ⁵ / ₈ "			

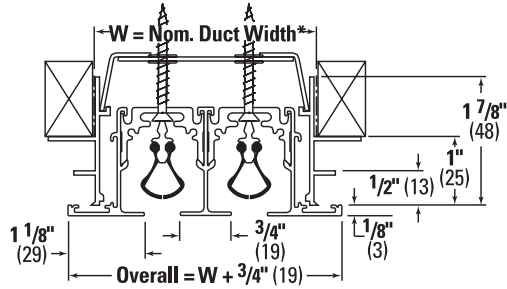
Metric (mm)

No. Slots	Frame 1				Frames 2, 3, 6, 7, 8				Frames 9, 12, 14, 916, 15, 17				Frame 18, 19	Frame 20	Frame 21, 22
	SDS50	SDS75	SDS100	SDS150	SDS50	SDS75	SDS100	SDS150	SDS50	SDS75	SDS100	SDS150	SDS75	SDS75	SDS75
1	43	49	56	68	51	57	63	76	35	41	48	60	41	41	n/a
2	75	87	100	125	83	95	108	133	67	79	92	117	79	79	n/a
3	106	125	144	183	114	133	152	191	98	117	137	175	117	117	117
4	138	164	189	240	147	171	197	248	130	156	181	232	130		
5	170	202	233	297	178	210	241	305	162	194	225	289			
6	202	240	278	354	210	248	286	362	194	232	270	346			
7	233	278	322	411	241	286	330	419	225	270	314	403			
8	265	316	367	468	273	324	375	476	257	308	359	460			
9	297	354	411	525	305	362	419	533	289	346	403	518			
10	329	392	456	583	337	400	464	591	321	384	448	575			

Optional Borders / Frames

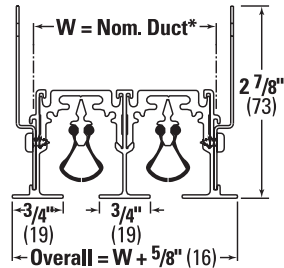
LINEAR DIFFUSERS AND GRILLES

Type 7 - Flange Plaster Frame, Concealed Mounting



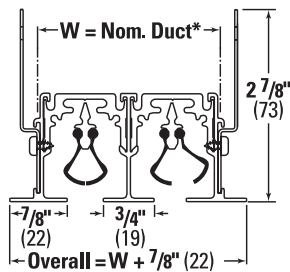
For concealed mounting with flange frame in plaster or tile.

Type 9A - Suspended Ceiling Type



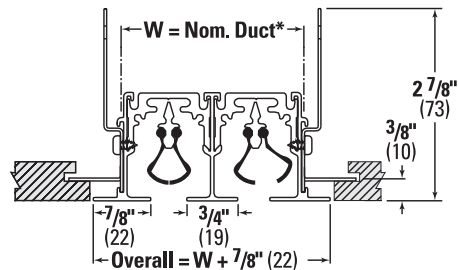
Diffuser with border to integrate with ceiling suspension systems.

Type 9B - Suspended Ceiling Type

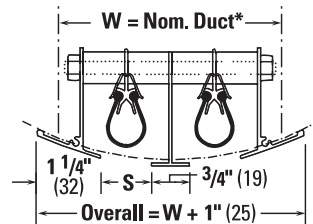


Diffuser with border to integrate with ceiling suspension systems.

Type 12 - Concealed Spline

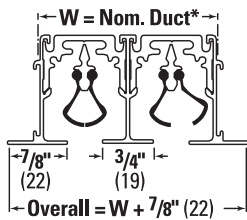


Type 16 - Flush Mount to Spiral Duct



*Contact Price representative for available widths/duct diameters for type 16.

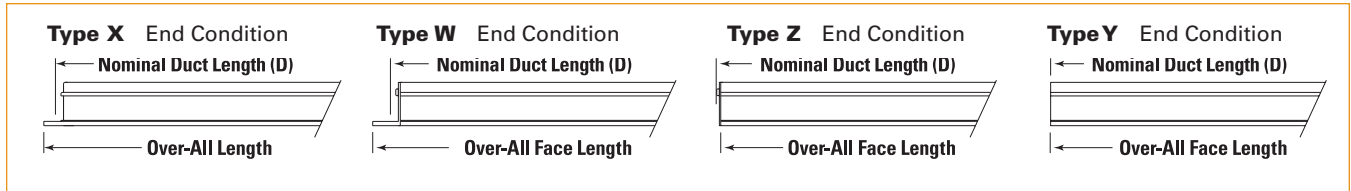
Type 15 - Inverted T 1 in. [25] Lay-on



Designed to integrate with T-bar ceiling systems, diffuser face rests on back of T-bar flange.

* see page A46 for duct dimensions.

Diffuser Face Length Overall



Calculation of overall face length Imperial (in.)

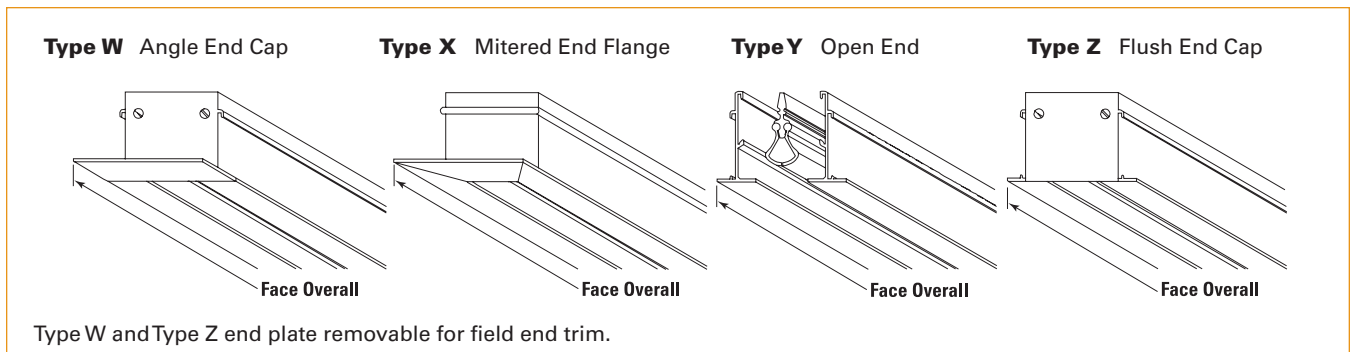
Border / Frame	WW	WY	XX	XY	YY	ZY	ZZ
1, 1B	D + 1 in.	D + 1/2 in.	D + 7/8 in.	D + 7/16 in.	D	D - 1/16 in.	D - 1/8 in.
2/7/2016	D + 1 in.	D + 1/2 in.	D + 3/4 in.	D + 3/8 in.	D	D - 1/16 in.	D - 1/8 in.
6	D + 1 1/4 in.	D + 5/8 in.	D'	D	D	D - 1/16 in.	D - 1/8 in.
3	D + 1 1/4 in.	D + 5/8 in.	D - 1/8 in.	D - 1/16 in.	D	D - 1/16 in.	D - 1/8 in.
8	—	—	D + 1 1/4 in.	D + 5/8 in.	D	D - 1/16 in.	D - 1/8 in.
8A	—	—	D + 1 1/4 in.	D + 5/8 in.	D	D - 1/16 in.	D - 1/8 in.
9A	D + 1 1/4 in.	D + 5/8 in.	D + 5/8 in.	D + 5/16 in.	D	D - 1/16 in.	D - 1/8 in.
9B	D + 1 1/4 in.	D + 5/8 in.	D + 7/8 in.	D + 7/16 in.	D	D - 1/16 in.	D - 1/8 in.
12	D + 1 1/4 in.	D + 5/8 in.	D + 7/8 in.	D + 7/16 in.	D	D - 1/16 in.	D - 1/8 in.
14	—	—	—	—	—	—	CM - 1 in.
15	—	—	CM - 1/4 in.	—	—	—	—
16	D + 1/2 in.	—	—	—	—	—	—
17	—	—	—	—	—	—	—
18	—	—	—	—	—	—	CM - 5/8 in.
19	—	—	—	—	—	—	CM - 5/8 in.
20	—	—	—	—	—	—	CM - 1/4 in.
21	CM - 1/4 in.	—	—	—	—	—	CM - 1 in.
22	CM - 1/4 in.	—	—	—	—	—	—

Metric (mm)

Border / Frame	WW	WY	XX	XY	YY	ZY	ZZ
1, 1B	D + 25mm	D + 13mm	D + 22mm	D + 11mm	D	D - 2mm	D - 3mm
2/7/2016	D + 25mm	D + 13mm	D + 19mm	D + 10mm	D	D - 2mm	D - 3mm
6	D + 32mm	D + 16mm	D'	D	D	D - 2mm	D - 3mm
3	D + 32mm	D + 16mm	D - 3mm	D - 2mm	D	D - 2mm	D - 3mm
8	—	—	D + 32mm	D + 16mm	D	D - 2mm	D - 3mm
8A	—	—	D + 32mm	D + 16mm	D	D - 2mm	D - 3mm
9A	D + 32mm	D + 16mm	D + 16mm	D + 8mm	D	D - 2mm	D - 3mm
9B	D + 32mm	D + 16mm	D + 22mm	D + 11mm	D	D - 2mm	D - 3mm
12	D + 32mm	D + 16mm	D + 22mm	D + 11mm	D	D - 2mm	D - 3mm
14	—	—	—	—	—	—	CM - 25mm
15	—	—	CM - 6mm	—	—	—	—
16	D + 13mm	—	—	—	—	—	—
17	—	—	—	—	—	—	CM - 16mm
18	—	—	—	—	—	—	CM - 16mm
19	—	—	—	—	—	—	CM - 6mm
20	—	—	—	—	—	—	CM - 25mm
21	CM - 6mm	—	—	—	—	—	—
22	CM - 6mm	—	—	—	—	—	—

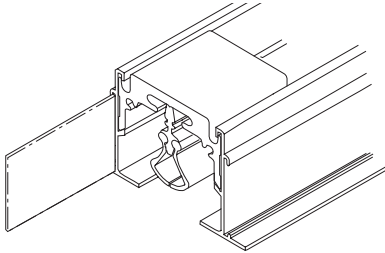
D = Nominal Duct Length CM = Nominal Ceiling Modules

End Configurations



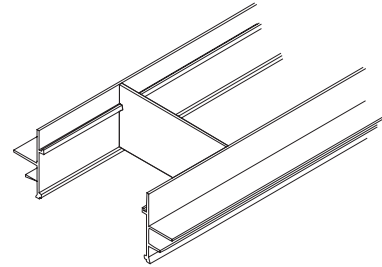
Accessories

Alignment Strips



Alignment strips are provided when supplied in multiple sections. Providing linear alignment of the continuous linear slot diffuser, the joiner strip slides into the outside channel of the diffuser frame. Typical for all frame types.

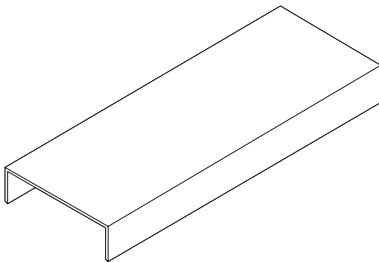
PS Plaster Frame Spacers



Plaster frame spacers provide the correct spacing of the plaster frame prior to installation of the diffuser.

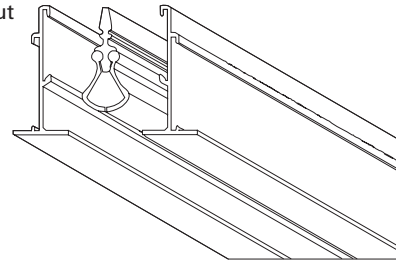
VB Vinyl Blank-off

MB Metal Blank-off



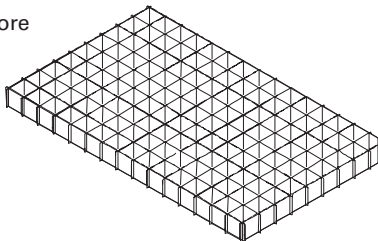
Blank-offs are used to cover inactive sections of the linear slot diffuser. Shipped loose for field cutting and installation.

FC Field Cut



This option allows the linear slot diffuser to be cut to size in the field. The diffuser is supplied 6 in. [152] longer with the slot spacers set back to allow for trimming. Field Cut would be specified where a continuous run of diffuser or room layout is required and where there may be a duct length variation.

EC Equalizing Core

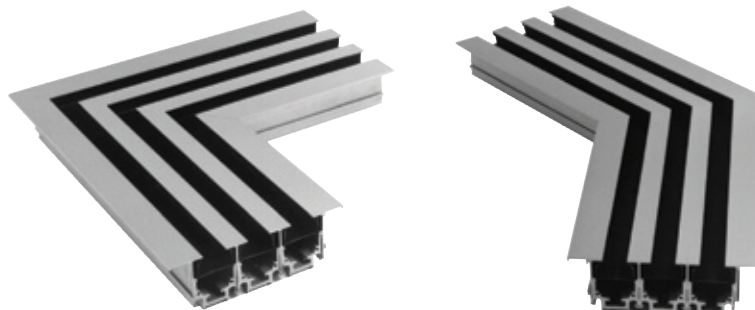


Standard on Type 16.

Mitered Corner Module

Mitered corner modules are available in two standard configurations, **MC90** and **MC135**, where a 90° or 135° miter is specified. All mitered corner modules are constructed of extruded aluminum and factory assembled into an all-welded precision miter, with a finish to match the associated straight sections of the linear diffuser.

For compound angles, please contact your Price sales rep.



Linear Slot Diffusers SDS Series



Pressurized Ceiling Plenum (Non-Ducted) *

Performance Data - Imperial Units - SDS50

Slots	Total Pressure	H V	.005 .003	.019 .012	.043 .029	.075 .050	.117 .080	.170 .144	.225 .155	.290 .200
1	cfm / ft	H	5	10	15	20	25	30	35	40
	Throw	H	1-1-2	1-2-9	2-5-11	4-9-13	7-10-14	9-10-15	9-11-16	10-12-18
	ft NC	V	2	6	9	11	12	14	15	16
2	cfm / ft	H	10	20	30	40	50	60	70	80
	Throw	H	1-1-4	2-4-12	5-9-15	8-12-17	10-14-19	12-15-21	13-16-23	14-17-24
	ft NC	V	4	8	13	16	17	19	20	22
3	cfm / ft	H	15	30	45	60	75	90	105	120
	Throw	H	1-2-7	3-7-15	7-11-18	10-15-21	13-16-23	15-18-25	16-19-27	17-21-29
	ft NC	V	5	10	15	19	21	23	25	27
4	cfm / ft	H	20	40	60	80	100	120	140	160
	Throw	H	1-2-9	4-9-17	9-13-21	12-17-24	15-19-27	17-21-29	19-23-32	20-24-34
	ft NC	V	7	12	18	22	25	27	29	31
5	cfm / ft	H	25	50	75	100	125	150	175	200
	Throw	H	1-3-10	6-10-19	10-15-23	13-19-27	17-22-30	20-24-33	21-26-35	23-27-38
	ft NC	V	7	14	20	25	28	30	32	35
6	cfm / ft	H	30	60	90	120	150	180	210	240
	Throw	H	2-4-11	7-11-21	11-16-26	15-21-29	18-24-33	21-26-36	23-28-39	24-30-42
	ft NC	V	7	16	22	27	30	33	35	38
7	cfm / ft	H	35	70	105	140	175	210	245	280
	Throw	H	3-6-16	8-11-23	12-18-28	16-23-32	20-26-36	23-28-39	25-30-42	26-32-45
	ft NC	V	8	16	24	29	32	35	38	41
8	cfm / ft	H	40	80	120	160	200	240	280	320
	Throw	H	3-6-13	8-12-24	13-19-29	17-25-34	22-27-38	24-30-42	26-32-45	28-35-48
	ft NC	V	8	17	26	31	35	38	41	43

Performance Data - Imperial Units - SDS75

Slots	Total Pressure	H V	.004 .003	.015 .011	.032 .024	.058 .044	.091 .067	.125 .095	.175 .125	.230 .170
1	cfm / ft	H	6	12	18	24	30	36	42	48
	Throw	H	1-1-3	1-3-9	3-6-11	5-9-13	8-10-15	9-11-16	10-12-17	11-13-19
	ft NC	V	2	6	10	12	14	15	16	17
2	cfm / ft	H	12	24	36	48	60	72	84	96
	Throw	H	1-1-5	2-5-13	5-10-16	9-13-19	11-15-21	13-16-23	14-17-25	15-19-27
	ft NC	V	4	9	14	17	19	21	23	24
3	cfm / ft	H	18	36	54	72	90	108	126	144
	Throw	H	1-2-8	4-8-16	7-12-20	11-16-23	14-18-26	16-20-28	18-22-30	19-23-32
	ft NC	V	6	11	17	21	23	26	28	30
4	cfm / ft	H	24	48	72	96	120	144	168	192
	Throw	H	1-3-10	5-10-19	10-15-23	13-19-27	16-21-30	19-23-32	21-25-35	22-27-37
	ft NC	V	6	13	19	24	27	30	32	34
5	cfm / ft	H	30	60	90	120	150	180	210	240
	Throw	H	2-3-11	6-11-21	11-16-26	15-21-30	18-24-33	21-26-36	23-28-39	25-30-42
	ft NC	V	7	14	21	27	30	33	36	38
6	cfm / ft	H	36	72	108	144	180	216	252	288
	Throw	H	2-4-12	8-12-23	12-18-28	16-23-32	20-26-36	23-28-40	25-31-43	26-33-45
	ft NC	V	8	15	24	30	33	36	39	42
7	cfm / ft	H	42	84	126	168	210	252	294	336
	Throw	H	3-6-12	9-13-25	13-20-30	18-25-35	22-28-39	25-31-43	27-33-46	29-35-49
	ft NC	V	8	16	24	32	36	39	42	45
8	cfm / ft	H	48	96	144	192	240	288	336	384
	Throw	H	4-7-14	9-14-27	14-21-32	19-27-37	24-30-42	26-33-47	29-35-49	30-37-52
	ft NC	V	8	16	24	32	38	42	45	48

Linear Slot Diffusers SDS Series

Pressurized Ceiling Plenum (Non-Ducted) *



Performance Data - Imperial Units - SDS100

Slots	Total Pressure	H V	.004 .002	.016 .009	.037 .022	.064 .038	.098 .058	.140 .084	.195 .115	.250 .150
1	cfm / ft	H	8	16	24	32	40	48	56	64
	Throw	H	1-1-3	2-3-11	3-8-13	6-11-15	9-12-17	11-13-19	12-14-20	12-15-22
	ft	V	2	8	12	14	15	17	18	19
2	NC	V	—	—	—	22	29	34	39	43
	cfm / ft	H	16	32	48	64	80	96	112	128
	Throw	H	1-2-6	3-6-15	6-12-19	11-15-22	14-17-24	15-19-27	16-25-28	18-22-31
3	ft	V	5	11	16	19	22	24	26	28
	NC	V	—	—	18	27	34	39	44	48
	cfm / ft	H	24	48	72	96	120	144	168	192
4	Throw	H	1-3-10	4-10-19	10-16-23	13-19-27	16-21-30	19-23-32	20-25-35	22-27-37
	ft	V	7	13	20	24	27	29	32	34
	NC	V	—	—	21	30	37	42	47	51
5	cfm / ft	H	32	64	96	128	160	192	224	256
	Throw	H	2-3-11	6-11-22	12-17-27	15-22-31	20-24-34	22-27-37	24-29-40	25-31-43
	ft	V	8	15	23	28	31	34	36	39
6	NC	V	—	—	23	32	39	44	49	53
	cfm / ft	H	40	80	120	160	200	240	280	320
	Throw	H	2-4-13	8-13-24	13-20-30	18-24-34	22-27-38	24-30-42	26-32-45	28-34-48
7	ft	V	9	17	25	31	34	38	41	43
	NC	V	—	—	24	33	40	45	50	54
	cfm / ft	H	48	96	144	192	240	288	336	384
8	Throw	H	3-5-14	9-14-27	15-21-32	19-27-37	24-30-42	27-32-45	29-35-49	30-37-52
	ft	V	9	19	28	34	38	41	45	48
	NC	V	—	—	25	34	41	46	51	55
9	cfm / ft	H	56	112	168	224	280	336	392	448
	Throw	H	3-7-15	10-15-28	15-23-35	21-29-40	26-32-45	29-35-49	31-38-53	33-40-56
	ft	V	10	20	30	36	41	45	48	52
10	NC	V	—	—	26	35	42	47	52	56
	cfm / ft	H	64	128	192	256	320	384	448	512
	Throw	H	4-8-16	11-16-31	16-25-37	22-31-43	28-34-48	30-37-52	33-40-56	35-43-60
11	ft	V	11	22	32	39	43	48	52	55
	NC	V	—	—	27	36	43	48	53	57

* Non-ducted performance tables can be used to approximate performance data when contractor fabricated plenums are supplied. Plenums must be sized to achieve equal velocity along the slot length. Inlets should be sized to reduce additional contribution of sound or pressure drop.

NC Correction for Various Diffuser Lengths

Length, ft	1	2	4	8	9	10	15	20	25	30
Supply	-16	-11	-6	-3	-2	0	+3	+5	+6	+8
Return	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

Example:

A model SDS 75 diffuser 4 slots wide and 15 feet long is selected for 1800 cfm of supply air. 1800 / 15 = 120 cfm per foot. From the performance chart, the NC value is 34. The NC correction for 15 feet of length for supply service is +3. The corrected NC value is 34 + 3 = 37.

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in in. w.g.
3. Throw values are based on a 3ft long active section. When only 1 ft is active the values are 0.6 times those shown. For a 10 ft or continuous length the values are 1.8 times those shown.
4. Horizontal (H) throw is minimum to a terminal velocity of 150 fpm, middle to 100 fpm and maximum to 50 fpm.
5. Throw data is based on supply air and room air being at isothermal conditions.
6. Horizontal throw values are based on full-open, one direction.
7. Vertical (V) throw is to a terminal velocity of 50 fpm.
8. The NC values are based on a room absorption of 10 dB, re 10⁻¹² watts and 10 ft active section. The NC values are 11 lower with vertical projection.
9. Blanks (—) indicate an NC level below 15.

Linear Slot Diffusers SDS Series



Pressurized Ceiling Plenum (Non-Ducted) *

Performance Data - Metric Units - SDS50

Slots	Total Pressure (Pa)	H V	1	5	11	19	29	42	56	72
			1	3	7	12	20	36	39	50
1	Airflow (L/s)/m		10	15	20	25	30	35	40	45
	Throw (m)	H	0.1-0.2-1	0.2-1-2	0.4-1-3	1-1-3	1-2-4	1-3-4	2-3-4	2-3-4
	Throw (m)	V	1	2	3	3	3	4	4	4
	NC		--	--	--	--	16	21	25	29
2	Airflow (L/s)/m		15	30	45	60	75	90	105	120
	Throw (m)	H	0.1-0.3-1	0.4-1-3	1-2-4	2-3-5	3-4-6	3-4-6	4-5-7	4-5-7
	Throw (m)	V	2	3	4	5	5	6	6	7
	NC		--	--	--	21	28	33	38	42
3	Airflow (L/s)/m		20	45	70	95	120	145	170	195
	Throw (m)	H	0.1-0.3-1	1-2-4	2-3-6	3-4-6	4-5-7	4-6-8	5-6-9	5-7-9
	Throw (m)	V	2	4	5	6	7	7	8	8
	NC		--	--	16	25	32	38	43	47
4	Airflow (L/s)/m		30	60	90	120	150	180	210	240
	Throw (m)	H	0.2-1-2	1-2-5	2-4-6	3-5-7	4-6-8	5-6-9	6-7-10	6-7-10
	Throw (m)	V	2	4	6	7	7	8	9	9
	NC		--	--	17	25	32	38	43	47
5	Airflow (L/s)/m		35	75	115	155	195	235	275	315
	Throw (m)	H	0.3-1-2	1-3-5	3-4-7	4-5-8	5-7-9	6-7-10	6-8-11	7-8-12
	Throw (m)	V	2	5	6	7	8	9	10	11
	NC		--	--	19	28	35	41	45	50
6	Airflow (L/s)/m		50	95	140	185	230	275	320	365
	Throw (m)	H	0.5-1-3	2-3-6	3-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13
	Throw (m)	V	3	5	7	8	9	10	11	11
	NC		--	--	20	29	36	41	46	50
7	Airflow (L/s)/m		50	105	160	215	270	325	380	435
	Throw (m)	H	0.5-1-3	2-3-6	3-5-8	4-6-10	5-8-11	6-8-12	7-9-13	8-10-14
	Throw (m)	V	3	5	8	9	10	11	12	13
	NC		--	--	21	30	37	43	47	51
8	Airflow (L/s)/m		65	125	185	245	305	365	425	485
	Throw (m)	H	1-2-4	2-3-7	3-5-9	5-7-10	6-8-12	7-9-13	8-10-14	8-10-15
	Throw (m)	V	3	6	8	9	10	11	12	13
	NC		--	--	22	31	37	43	48	52

LINEAR DIFFUSERS AND GRILLES

Linear Slot Diffusers SDS Series

Pressurized Ceiling Plenum (Non-Ducted) *



Performance Data - Metric Units - SDS75

Slots	Total Pressure (Pa)	H V	1	4	8	14	23	31	44	57
			1	3	6	11	17	24	31	42
1	Airflow (L/s)/m		10	20	30	40	50	60	70	80
	Throw (m)	H	0.1-0.2-1	0.3-1.3	1-2.4	1-3.4	2-3.5	3-4.5	3-4.6	3-4.6
	Throw (m)	V	1	3	3	4	4	5	5	5
	NC		--	--	--	20	27	32	37	41
2	Airflow (L/s)/m		15	35	55	75	95	115	135	155
	Throw (m)	H	0.1-0.2-1	0.5-1.4	1-3.5	2-4.6	3-5.6	4-5.7	4-5.8	5-6.8
	Throw (m)	V	1	3	4	5	6	6	7	7
	NC		--	--	--	23	30	36	41	45
3	Airflow (L/s)/m		25	55	85	115	145	175	205	235
	Throw (m)	H	0.2-0.4-1	1-2.5	2-4.6	3-5.7	4-6.8	5-6.9	5-7.9	6-7-10
	Throw (m)	V	2	4	6	6	7	8	9	9
	NC		--	--	17	26	33	39	44	48
4	Airflow (L/s)/m		40	75	110	145	180	215	250	285
	Throw (m)	H	0.3-1.3	1-3.5	2-4.7	4-5.8	4-6.9	5-7-10	6-7-10	6-8-11
	Throw (m)	V	3	5	6	7	8	9	9	10
	NC		--	--	18	26	33	38	43	47
5	Airflow (L/s)/m		45	90	135	180	225	270	315	360
	Throw (m)	H	0.4-1.3	1-3.6	3-4.8	4-6.9	5-7-10	6-8-11	7-8-12	7-9-13
	Throw (m)	V	3	5	7	8	9	10	11	11
	NC		--	--	19	27	34	40	45	49
6	Airflow (L/s)/m		55	110	165	220	275	330	385	440
	Throw (m)	H	0.5-1.3	2-3.7	3-5.8	4-7-10	5-8-11	7-8-12	7-9-13	8-10-14
	Throw (m)	V	3	6	8	9	10	11	12	13
	NC		--	--	21	29	36	42	46	51
7	Airflow (L/s)/m		65	130	195	260	325	390	455	520
	Throw (m)	H	1-1.4	2-4.7	4-5.9	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15
	Throw (m)	V	3	6	8	10	11	12	13	14
	NC		--	--	22	31	38	43	48	52
8	Airflow (L/s)/m		75	150	225	300	375	450	525	600
	Throw (m)	H	1-2.4	3-4.8	4-6-10	5-8-11	6-9-13	8-10-14	9-11-15	9-11-16
	Throw (m)	V	3	7	9	10	12	13	14	15
	NC		--	--	23	32	39	44	49	53

LINEAR DIFFUSERS AND GRILLES

Linear Slot Diffusers SDS Series



Pressurized Ceiling Plenum (Non-Ducted) *

Performance Data - Metric Units - SDS100

Slots	Total Pressure (Pa)	H V	1	4	8	13	19	27	36	46
			1	2	5	8	12	16	22	28
1	Airflow (L/s)/m		15	25	35	45	55	65	75	85
	Throw (m)	H	0.2-0.4-2	0.5-1.3	1-2.4	2-3.4	2-3-5	3-4-5	3-4-6	4-4-6
	Throw (m)	V	2	3	4	4	4	5	5	6
	NC		--	--	--	19	25	30	34	38
2	Airflow (L/s)/m		25	50	75	100	125	150	175	200
	Throw (m)	H	0.2-0.5-2	1-2.5	2-4.6	3-5.7	4-5-7	5-6-8	5-6-9	5-7-9
	Throw (m)	V	2	4	5	6	7	7	8	8
	NC		--	--	18	27	34	39	44	48
3	Airflow (L/s)/m		40	75	110	145	180	215	250	285
	Throw (m)	H	0.4-1.3	1-3.6	3-5.7	4-6.8	5-6.9	6-7-10	6-7-10	6-8-11
	Throw (m)	V	3	5	6	7	8	9	9	10
	NC		--	--	20	28	35	40	45	49
4	Airflow (L/s)/m		50	100	150	200	250	300	350	400
	Throw (m)	H	0.5-1.4	2-4.7	4-5.8	5-7.9	6-7-10	7-8-11	7-9-12	8-9-13
	Throw (m)	V	3	6	7	8	9	10	11	12
	NC		--	--	23	31	38	44	49	53
5	Airflow (L/s)/m		65	125	185	245	305	365	425	485
	Throw (m)	H	1-2.4	2-4.7	4-6.9	5-7-10	6-8-12	7-9-13	8-10-14	8-10-15
	Throw (m)	V	4	7	8	9	10	11	12	13
	NC		--	--	24	32	39	44	49	53
6	Airflow (L/s)/m		70	145	220	295	370	445	520	595
	Throw (m)	H	1-2.4	3-4.8	4-6-10	6-8-11	7-9-13	8-10-14	9-11-15	9-11-16
	Throw (m)	V	4	7	9	10	12	13	14	15
	NC		--	--	25	34	41	46	51	55
7	Airflow (L/s)/m		90	175	260	345	430	515	600	685
	Throw (m)	H	1-2.5	3-5.9	5-7-11	6-9-12	8-10-14	9-11-15	9-11-16	10-12-17
	Throw (m)	V	4	8	10	11	12	14	15	16
	NC		--	--	26	35	41	47	52	56
8	Airflow (L/s)/m		100	200	300	400	500	600	700	800
	Throw (m)	H	1-3-5	3-5-9	5-8-11	7-9-13	8-10-15	9-11-16	10-12-17	11-13-19
	Throw (m)	V	4	8	10	12	13	15	16	17
	NC		--	--	27	36	43	48	53	57

Performance Notes

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air"
- All pressures are in pascals.
- Throw values are based on a 0.9 m long active section. When only 0.3 m is active the values are 0.6 times those shown. For a 3 m or continuous length the values are 1.8 times those shown.
- Horizontal (H) throw is minimum to a terminal velocity of 0.75 m/s, middle to 0.5 m/s and maximum to 0.25 m/s.
- Throw data based on supply air and room air being at isothermal conditions.
- Horizontal throw values based on full-open, one direction.
- Vertical (V) throw is to a terminal velocity of 0.25 m/s.
- The NC / NR values are based on a room absorption of 10 dB, re 10⁻¹² watts and a 3 m active section. The NC / NR values are 11 lower with vertical projection.
- Blanks (-) indicate a NC / NR level below 15.

NC / NR Correction for Various Diffuser Lengths

Length, meters	0.3	0.6	1.2	2.4	2.7	3	4.6	6.1	7.6	9.1
Supply	-16	-11	-6	-3	-2	0	+3	+5	+6	+8
Return	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

* Non-ducted performance tables can be used to approximate performance data when contractor fabricated plenums are supplied.

Plenums must be sized to achieve equal velocity along the slot length.

Inlets should be sized to reduce additional contribution of sound or pressure drop.

Linear Slot Diffusers SDR Series – Return Performance



Performance Data - Imperial Units - SDR50

Slots	Negative S.P.	.011	.025	.045	.072	.103	.180	.275	.415
1	cfm / ft	10	15	20	25	30	40	50	60
	NC	—	—	—	20	25	33	39	44
2	cfm / ft	20	30	40	50	60	80	100	120
	NC	—	—	17	23	28	36	42	47
3	cfm / ft	30	45	60	75	90	120	150	180
	NC	—	—	19	25	30	38	44	49
4	cfm / ft	40	60	80	100	120	160	200	240
	NC	—	—	20	26	31	39	45	50
5	cfm / ft	50	75	100	125	150	200	250	300
	NC	—	—	21	27	32	40	46	51
6	cfm / ft	60	90	120	150	180	240	300	360
	NC	—	—	22	28	33	41	47	52
7	cfm / ft	70	105	140	175	210	280	350	420
	NC	—	—	23	29	34	42	48	53
8	cfm / ft	80	120	160	200	240	320	400	480
	NC	—	—	23	29	34	42	48	53

Performance Data - Imperial Units - SDR75

Slots	Negative S.P.	.007	.028	.063	.108	.170	.250	.345	.450
1	cfm / ft	10	20	30	40	50	60	70	80
	NC	—	—	18	26	32	37	41	45
2	cfm / ft	20	40	60	80	100	120	140	160
	NC	—	—	21	29	35	40	44	48
3	cfm / ft	30	60	90	120	150	180	210	240
	NC	—	—	23	31	37	42	46	50
4	cfm / ft	40	80	120	160	200	240	280	320
	NC	—	—	24	32	38	43	47	51
5	cfm / ft	50	100	150	200	250	300	350	400
	NC	—	—	25	33	39	44	48	52
6	cfm / ft	60	120	180	240	300	360	420	480
	NC	—	—	26	34	40	45	49	53
7	cfm / ft	70	140	210	280	350	420	490	560
	NC	—	16	27	35	41	46	50	54
8	cfm / ft	80	160	240	320	400	480	560	640
	NC	—	16	27	35	41	46	50	54

Performance Data - Imperial Units - SDR100

Slots	Negative S.P.	.018	.040	.070	.108	.160	.215	.280	.450
1	cfm / ft	20	30	40	50	60	70	80	100
	NC	—	—	19	25	30	34	38	44
2	cfm / ft	40	60	80	100	120	140	160	200
	NC	—	—	22	28	33	37	41	47
3	cfm / ft	60	90	120	150	180	210	240	300
	NC	—	16	24	30	35	39	43	49
4	cfm / ft	80	120	160	200	240	280	320	400
	NC	—	17	25	31	36	40	44	50
5	cfm / ft	100	150	200	250	300	350	400	500
	NC	—	18	26	32	37	41	45	51
6	cfm / ft	120	180	240	300	360	420	480	600
	NC	—	19	27	33	38	42	46	52
7	cfm / ft	140	210	280	350	420	490	560	700
	NC	—	20	28	34	39	43	47	53
8	cfm / ft	160	240	320	400	480	560	640	800
	NC	—	20	28	34	39	43	47	53

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in in. w.g.
3. Noise Criteria (NC) values are based on a room absorption of 10 dB, re 10⁻¹² watts and 10 ft active section.
4. Blanks (—) indicate an NC level below 15.

Linear Slot Diffusers SDR Series – Return Performance



Performance Data - Metric Units - SDR50

Slots	Negative SP	3	7	14	23	35	49	65	83	46
1	(L/s)/m	15	25	35	45	55	65	75	85	10
	NC	--	--	17	24	30	34	38	41	38
2	(L/s)/m	30	45	60	75	90	120	150	180	200
	NC	--	--	16	22	27	35	41	46	48
3	(L/s)/m	45	70	95	120	145	190	235	280	285
	NC	--	--	19	26	31	38	44	49	49
4	(L/s)/m	65	95	125	155	185	245	305	365	400
	NC	--	--	20	26	31	39	45	50	53
5	(L/s)/m	75	115	155	195	235	310	385	460	485
	NC	--	--	21	27	32	40	46	51	53
6	(L/s)/m	95	140	185	230	275	370	465	560	595
	NC	--	--	22	28	33	41	47	52	55
7	(L/s)/m	110	165	220	275	330	435	540	645	685
	NC	--	15	23	29	34	42	48	52	56
8	(L/s)/m	120	185	250	315	380	500	620	740	800
	NC	--	15	23	30	35	42	48	53	57

Performance Data - Metric Units - SDR75

Slots	Negative SP	2	6	14	26	40	58	79	103	46
1	(L/s)/m	15	30	45	60	75	90	105	120	10
	NC	--	--	17	25	31	36	40	44	38
2	(L/s)/m	30	60	90	120	150	180	210	240	200
	NC	--	--	20	28	34	39	43	47	48
3	(L/s)/m	45	90	135	180	225	270	315	360	285
	NC	--	--	22	30	36	41	45	49	49
4	(L/s)/m	65	125	185	245	305	365	425	485	400
	NC	--	--	24	32	38	43	47	50	53
5	(L/s)/m	70	155	230	315	390	465	540	615	485
	NC	--	--	25	34	39	44	48	52	53
6	(L/s)/m	90	185	280	375	470	565	660	755	595
	NC	--	--	26	34	40	45	50	53	55
7	(L/s)/m	105	215	325	435	545	655	765	875	685
	NC	--	15	27	35	41	46	50	54	56
8	(L/s)/m	125	250	375	500	625	750	875	1000	800
	NC	--	16	28	35	41	46	51	54	57

Performance Data - Metric Units - SDR100

Slots	Negative SP	4	9	17	26	37	51	66	84	46
1	(L/s)/m	30	45	60	75	90	105	120	135	10
	NC	--	--	18	24	29	33	37	40	38
2	(L/s)/m	65	95	125	155	185	215	245	275	200
	NC	--	--	22	28	33	37	41	44	48
3	(L/s)/m	95	140	185	230	275	320	365	410	285
	NC	--	16	24	30	34	39	42	45	49
4	(L/s)/m	125	185	245	305	365	425	485	545	400
	NC	--	17	25	31	36	40	43	47	53
5	(L/s)/m	155	235	315	395	475	555	635	715	485
	NC	--	18	27	33	38	42	46	49	53
6	(L/s)/m	185	280	375	470	565	660	755	850	595
	NC	--	19	27	33	38	43	46	49	55
7	(L/s)/m	220	330	440	550	660	770	880	990	685
	NC	--	20	28	34	39	43	47	50	56
8	(L/s)/m	250	375	500	625	750	875	1000	1125	800
	NC	--	21	28	34	39	44	47	51	57

Performance / NRe Notes:

- All pressures are in Pascals
- Noise criteria (NC / NR) values are based on a room absorption of 10 dB, re 10⁻¹² watts and 3 m active section.
- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Blanks indicate an NC / NR level below 15.

Linear Slot Plenums SDB Series



T-bar Mounted

Type 14

Non-Insulated

1/2 in. [13] Slot Width	SDB50
3/4 in. [19] Slot Width	SDB75
1 in. [25] Slot Width	SDB100

Insulated

1/2 in. [13] Slot Width	SDBI50
3/4 in. [19] Slot Width	SDBI75
1 in. [25] Slot Width	SDBI100

Price SDB linear slot plenums are an accessory for SDS linear slot diffusers designed for flexible duct connection in T-bar stack mounted applications. Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Fits all slot widths of SDS linear slot diffusers, 1 to 10 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDBI**.
- Associated SDS diffusers must be specified and ordered as separate items.

Available Sizes

Nominal Lengths:

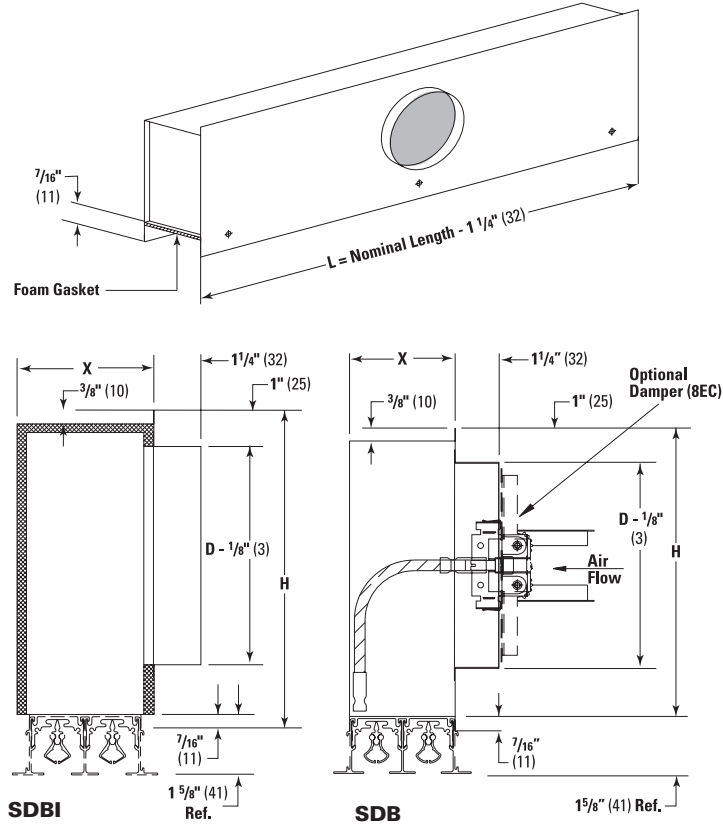
- 24 in.** [610]
- 36 in.** [914]
- 48 in.** [1219]
- 60 in.** [1524]
- 72 in.** [1829]

Options

VCR8EC Face operated remote damper (factory installed, round neck only).

Note: Not recommended for drywall ceiling unless adjacent access is available.

1 to 4 Slot



(Diffuser ordered separately)

Dimensional Data - Imperial Units / Metric Units

Model	No. of Slots	SDB 50			SDB 75			SDB 100		
		D=Nom. Inlet	H Height	X Width	D=Nom. Inlet	H Height	X Width	D=NOM Inlet	H Height	X Width
24" Nom. [610] L=22 3/4" [576]	1	4 [102]	5 1/16 [141]	1 9/16 [33]	4 [102]	5 1/16 [141]	1 9/16 [33]	5.6", 8", 10", 12" [127, 152, 203, 254, 305*]	6 1/16 [167]	1 13/16 [46]
	2	5.6", 8", 10", 12" [127, 152, 203, 254, 305*]	6 1/16 [167]	2 1/16 [65]	6.8", 10", 12" [152, 203, 254, 305*]	7 1/16 [197]	3 1/16 [78]	6.8", 10", 12" [152, 203, 254, 305*]	7 1/16 [192]	3 9/16 [90]
36" Nom. [914] L=34 3/4" [883]	3	6.8", 10", 12" [152, 203, 254, 305*]	7 1/16 [192]	3 13/16 [97]	6.8", 10", 12" [152, 203, 254, 305*]	8 1/16 [217]	4 1/16 [116]	6.8", 10", 12" [152, 203, 254, 305*]	9 1/16 [243]	5 1/16 [179]
	4	6.8", 10", 12" [152, 203, 254, 305*]	8 1/16 [217]	5 1/16 [129]	6.8", 10", 12" [152, 203, 254, 305*]	9 1/16 [243]	6 1/16 [154]	6.8", 10", 12" [152, 203, 254, 305*]	9 1/16 [243]	7 1/16 [179]
48" Nom. [1219] L=46 3/4" [1187]	1	5.6", 8", 10", 12" [127, 152, 203, 254, 305*]	6 1/16 [167]	1 9/16 [33]	5.6", 8", 10", 12" [127, 152, 203, 254, 305*]	6 1/16 [178]	1 9/16 [40]	5.6", 8", 10", 12" [127, 152, 203, 254, 305*]	6 1/16 [178]	1 13/16 [46]
	2	6.8", 10", 12" [152, 203, 254, 305*]	7 1/16 [192]	2 1/16 [65]	6.8", 10", 12" [152, 203, 254, 305*]	8 1/16 [229]	3 1/16 [78]	7.8", 10", 12" [178, 203, 254, 305*]	8 1/16 [229]	3 9/16 [90]
60" Nom. [1524] L=58 3/4" [1492]	3	6.8", 10", 12" [152, 203, 254, 305*]	8 1/16 [217]	3 13/16 [97]	6.8", 10", 12" [152, 203, 254, 305*]	9 1/16 [254]	4 1/16 [116]	8.10, 12" [203, 254, 305*]	11 1/16 [294]	5 1/16 [135]
	4	6.8", 10", 12" [152, 203, 254, 305*]	9 1/16 [243]	5 1/16 [129]	6.8", 10", 12" [152, 203, 254, 305*]	11 1/16 [294]	6 1/16 [154]	6.8", 10", 12" [152, 203, 254, 305*]	11 1/16 [294]	7 1/16 [179]

* or ** supplied as flat oval inlets *6"=4x7 [152=102x178] *8"=4x10 1/8 [203=102x257] *10"=4x13 1/4 [254=102x337]
* 12" = 4 x 16 3/8 [305 = 102 x 416] ** 12" = 6 x 15 7/32 [305 = 152 x 387]

✓ Product Selection Checklist

- 1] Select Unit Size (Module length).
- 2] Select Outlet Type by Model number (Slot width).
- 3] Select Number of Slots.
- 4] Select Border Style 14 for T-bar mount.
- 5] Specify Inlet diameter.

Example: 36 in. / SDB50 / 2 / 14 / 6 in.

T-bar Mounted

Type 14

Non-Insulated

1/2 in. [13] Slot Width	SDB50
3/4 in. [19] Slot Width	SDB75
1 in. [25] Slot Width	SDB100

Insulated

1/2 in. [13] Slot Width	SDBI50
3/4 in. [19] Slot Width	SDBI75
1 in. [25] Slot Width	SDBI100

Price SDB linear slot plenums are an accessory for SDS linear slot diffusers designed for flexible duct connection in T-bar stack mounted applications. Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Fits all slot widths of SDS linear slot diffusers, 1 to 10 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDBI**.
- Associated SDS diffusers must be specified and ordered as separate items.

Available Sizes

Nominal Lengths:

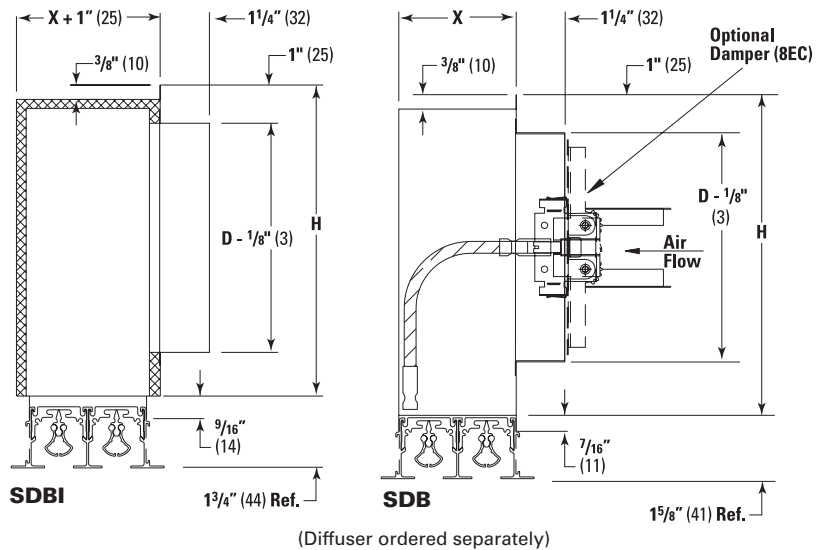
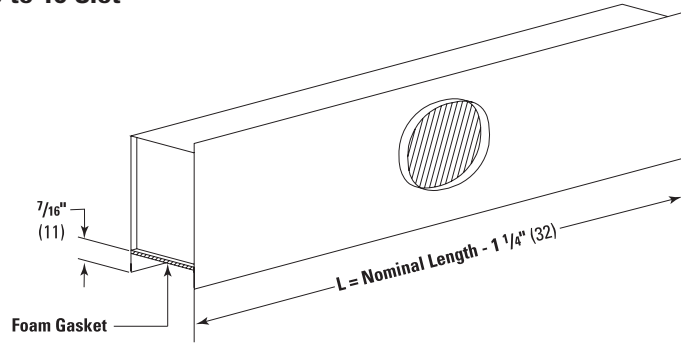
- 24 in.** [610]
- 36 in.** [914]
- 48 in.** [1219]
- 60 in.** [1524]
- 72 in.** [1829]

Options

VCR8EC Face operated remote damper (factory installed, round neck only).

Note: Not recommended for drywall ceiling unless adjacent access is available.

5 to 10 Slot



Dimensional Data - Imperial Units / Metric Units

Model		D=Nom. Inlet	H = Height	X = Width				
Nominal Length	No. of Slots			SDB				
			50	75	100			
24" Nom. [610]	5	6, 7, 8, 10 6", 7", 8", 10" [152, 178, 203, 254 152*, 178*, 203*, 254*]	H = 12 ¹³ / ₁₆ [325]	6 ⁵ / ₁₆ [160]	7 ⁹ / ₁₆ [192]	8 ¹³ / ₁₆ [224]		
	36" Nom. [914]			6	7 ⁹ / ₁₆ [192]	9 ¹ / ₁₆ [230]	10 ⁵ / ₁₆ [268]	
7				8 ¹³ / ₁₆ [224]	10 ⁹ / ₁₆ [268]	12 ⁵ / ₁₆ [313]		
48" Nom. [1219]	8			12, 14 12**, 14** [305, 356 305**, 356**]	H = 16 ¹³ / ₁₆ [414]	10 ¹ / ₁₆ [256]	12 ⁹ / ₁₆ [306]	14 ¹ / ₁₆ [357]
60" Nom. [1524]	9					11 ⁵ / ₁₆ [287]	13 ⁹ / ₁₆ [344]	15 ³ / ₁₆ [402]
	72" Nom. [1829]					10	12 ⁹ / ₁₆ [319]	15 ¹ / ₁₆ [383]

* or ** supplied as flat oval inlets *6"=4x7[152=102x178]*8"=4x10¹/₈[203=102x257]*10"=4x13¹/₄[254=102x337]
* 12" = 4 x 16³/₈ [305 = 102 x 416] ** 12" = 6 x 15⁷/₃₂ [305 = 152 x 387]

Linear Slot Plenums SDB Series



T-bar Mounted - Type 18

Type 18

Non-Insulated

3/4 in. [19] Slot Width

SDB75

Insulated

3/4 in. [19] Slot Width

SDBI75

Price SDB linear slot plenums are an accessory for SDS linear slot diffusers designed for flexible duct connection in T-bar stack mounted applications. Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Fits Type 18, 19, and 20 TechZone™ SDS linear slot diffusers, 1 to 4 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDBI**.
- Associated SDS diffusers must be specified and ordered as separate items.

Available Sizes

Nominal Lengths:

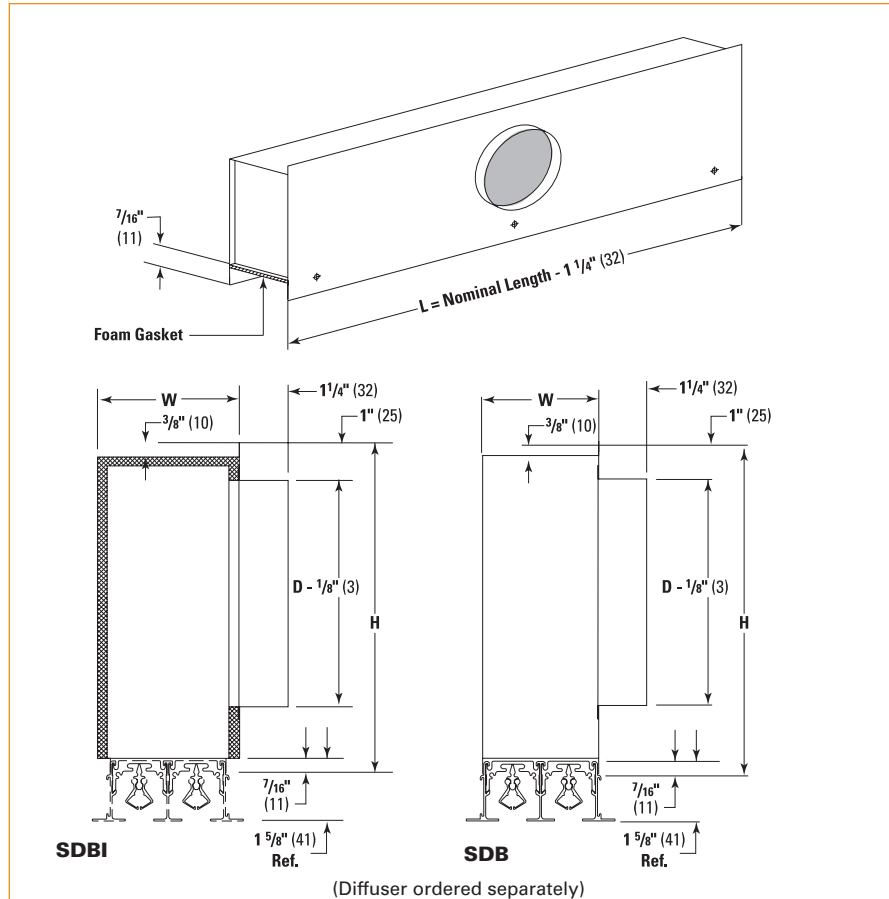
24 in. [610]

36 in. [914]

48 in. [1219]

60 in. [1524]

Note: Not recommended for drywall ceiling unless adjacent access is available.



SDBI

SDB

(Diffuser ordered separately)

Dimensional Data - Imperial Units / Metric Units

Model		SDB 75		
Nominal Length	No. of Slots	D=Nom. Inlet	H Height	W Width
24" Nom. [610]	1	4 [102]	6 [152]	1 9/16 [40]
	L=22 3/4" [576]	6, 8*, 10*, 12* [152, 302*, 254*, 305*]	8 [203]	3 1/16 [78]
36" Nom. [914]	3	6, 7, 8*, 10*, 12* [152, 178, 254*, 305*]	9 [229]	4 9/16 [116]
	L=34 3/4" [883]	6, 8, 10*, 12* [152, 203, 254*, 305*]	10 [254]	5 1/16 [129]
48" Nom. [1219]	1	5, 6*, 8*, 10*, 12* [127, 152*, 203*, 254*, 305*]	7 [178]	1 9/16 [40]
	2	6, 7, 8*, 10*, 12* [152, 178, 254*, 305*]	9 [229]	3 1/16 [78]
	L=46 3/4" [1187]	6, 8, 10*, 12* [152, 203, 254*, 305*]	10 [254]	4 9/16 [116]
	4	6, 8, 10, 12** [152, 203, 254, 305**]	12 [305]	5 1/16 [129]
60" Nom. [1524]	1	6, 8*, 10*, 12* [152, 203*, 254*, 305*]	8 [203]	1 9/16 [40]
	2	6, 8, 10*, 12* [152, 203, 254*, 305*]	10 [254]	3 1/16 [78]
	L=58 3/4" [1492]	6, 8, 10, 12** [152, 203, 254, 305**]	12 [305]	4 9/16 [116]
	4	6, 8, 10, 12** [152, 203, 254, 305**]	12 [305]	5 1/16 [129]

* or ** supplied as flat oval inlets *6"=4x7 [152=102x178] *8"=4x10 1/8 [203=102x257] *10"=4x13 1/4 [254=102x337] *12"=4x16 3/8 [305=102x416] **12"=6x15 1/32 [305=152x387]

LINEAR DIFFUSERS AND GRILLES

✓ Product Selection Checklist

- 1] Select Unit Size (Module length).
- 2] Select Outlet Type by Model number (Slot width).
- 3] Select Number of Slots.
- 4] Select Border Style 18 for T-bar mount.
- 5] Specify Inlet diameter.

Example: 36 in. / SDB75 / 2 / 18 / 6 in.

Linear Slot Diffusers SDB Series



Drywall Ceiling Mounted

Type 2

Non-Insulated

1/2 in. [13] Slot Width	SDB50
3/4 in. [19] Slot Width	SDB75
1 in. [25] Slot Width	SDB100

Insulated

1/2 in. [13] Slot Width	SDBI50
3/4 in. [19] Slot Width	SDBI75
1 in. [25] Slot Width	SDBI100

Price SDB linear slot plenums are an accessory for SDS linear slot diffusers and are designed for flexible duct connection in drywall ceiling mount applications. Unless there is access to the ceiling space, the plenum is intended to be installed during the drywall ceiling installation.

Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Fits all slot widths of SDS linear slot diffusers, 1 to 10 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDBI**.
- Associated SDS diffusers must be specified and ordered as separate items.

Options

VCR8EC Face operated remote damper (factory installed, round neck only).

Available Sizes:

Nominal Lengths:

24 in. [610]

36 in. [914]

48 in. [1219]

60 in. [1524]

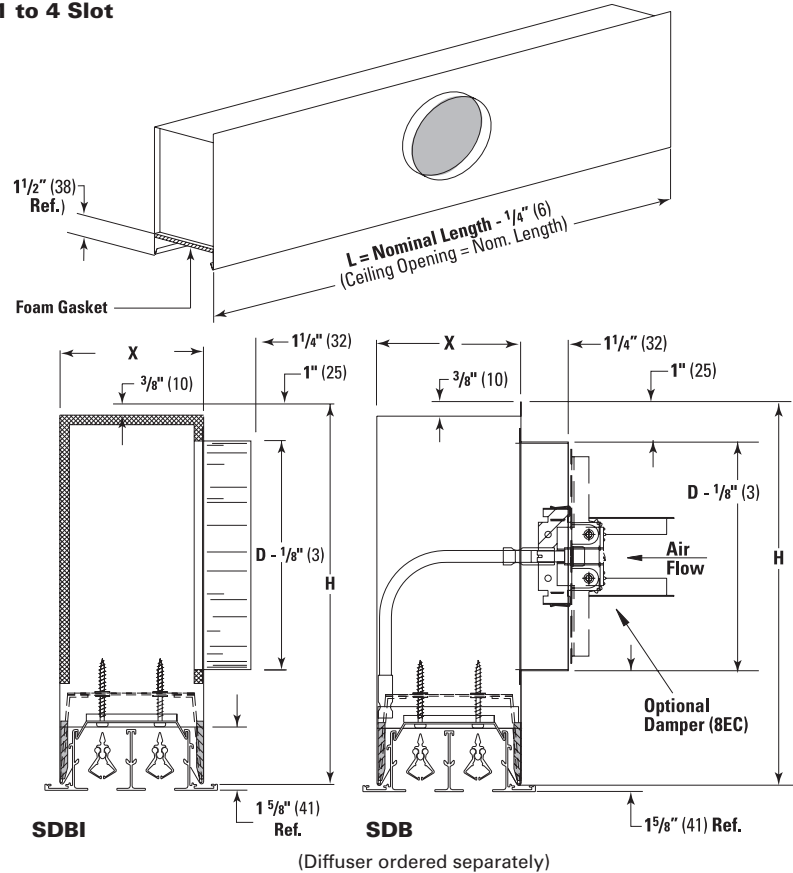
72 in. [1829]

✓ Product Selection Checklist

- 1] Select Unit Size (module length).
- 2] Select Outlet Type by model number (slot width).
- 3] Select Number of Slots.
- 4] Select Border Style 2 for drywall ceiling mount.
- 5] Specify Inlet Diameter.

Example: 36 in. / SDB50 / 2 / 2 / 6 in.

1 to 4 Slot



Dimensional Data - Imperial Units / Metric Units

Model	No. of Slots	SDB 50			SDB 75			SDB 100		
		D=Nom. Inlet	H Height	X Width	D=Nom. Inlet	H Height	X Width	D=NOM Inlet	H Height	X Width
24" Nom. [610] L=22 3/4" [576]	1	4 [102]	7 1/4 [184]	2 [51]	4 [102]	7 1/4 [184]	2 1/4 [57]	5.6", 8", 10", 12" [127, 152*, 203*, 254*, 305*]	8 1/4 [210]	2 1/2 [64]
	2	5.6", 8", 10", 12" [127, 152*, 203*, 254*, 305*]	8 1/4 [210]	3 1/4 [83]	6.8", 10", 12" [152, 203*, 254*, 305*]	9 1/4 [235]	3 3/4 [95]	6.8", 10", 12" [152, 203*, 254*, 305*]	9 1/4 [235]	4 1/4 [108]
	3	6.8", 10", 12" [152, 203*, 254*, 305*]	9 1/4 [235]	4 1/2 [114]	6.7, 8", 10", 12" [152, 203*, 254*, 305*]	10 1/4 [260]	5 1/4 [133]	6.8, 10", 12" [152, 203, 254*, 305*]	11 1/4 [286]	6 [152]
	4	6.7, 8", 10", 12" [152, 178, 203*, 254*, 305*]	10 1/4 [260]	5 1/4 [146]	6.8, 10", 12" [152, 203, 254*, 305*]	11 1/4 [286]	6 1/4 [171]	6.8, 10", 12" [152, 203, 254*, 305*]	11 1/4 [286]	7 1/4 [197]
48" Nom. [1219] L=46 3/4" [1187]	1	5.6", 8", 10", 12" [127, 152*, 203*, 254*, 305*]	8 1/4 [210]	2 [51]	5.6", 8", 10", 12" [127, 152*, 203, 254*, 305*]	8 1/4 [210]	2 1/4 [57]	5.6", 8", 10", 12" [127, 152*, 203, 254*, 305*]	8 1/4 [210]	2 1/2 [64]
	2	6.8", 10", 12" [152, 203*, 254*, 305*]	9 1/4 [235]	3 1/4 [83]	6.7, 8", 10", 12" [152, 178, 203, 254*, 305*]	10 1/4 [260]	3 3/4 [95]	6.8, 10", 12" [152, 203, 254*, 305*]	10 1/4 [260]	4 1/4 [108]
	3	6.7, 8", 10", 12" [152, 203, 254*, 305*]	10 1/4 [260]	4 1/2 [114]	6.8, 10", 12" [152, 203, 254*, 305*]	11 1/4 [286]	5 1/4 [133]	8, 10, 12** [203, 254, 305**]	13 1/4 [337]	6 [152]
	4	6.7, 8", 10", 12" [152, 178, 203, 254*, 305*]	11 1/4 [286]	5 1/4 [146]	6.8, 10, 12** [152, 203, 254, 305**]	13 1/4 [337]	6 1/4 [171]	8, 10, 12** [203, 254, 305**]	13 1/4 [337]	7 1/4 [197]
60" Nom. [1524] L=58 3/4" [1492]	1	5.6", 8", 10", 12" [127, 152*, 203, 254*, 305*]	8 1/4 [210]	2 [51]	6.8, 10", 12" [152, 203, 254*, 305*]	9 1/4 [235]	2 1/4 [57]	6.8, 10", 12" [152, 203, 254*, 305*]	9 1/4 [235]	2 1/2 [64]
	2	6.7, 8", 10", 12" [127, 178, 203*, 254*, 305*]	10 1/4 [260]	3 1/4 [83]	6.8, 10", 12" [152, 203, 254*, 305*]	11 1/4 [286]	3 3/4 [95]	6.8, 10", 12" [152, 203, 254*, 305*]	11 1/4 [286]	4 1/4 [108]
	3	6.8, 10", 12" [127, 203, 254*, 305*]	11 1/4 [286]	4 1/2 [114]	6.8, 10, 12** [152, 203, 254, 305**]	13 1/4 [337]	5 1/4 [133]	6.8, 10, 12** [152, 203, 254, 305**]	13 1/4 [337]	6 [152]
	4	6.8, 10, 12** [127, 203, 254, 305**]	13 1/4 [337]	5 1/4 [146]	6.8, 10, 12** [152, 203, 254, 305**]	13 1/4 [337]	6 1/4 [171]	6.8, 10, 12** [152, 203, 254, 305**]	13 1/4 [337]	7 1/4 [197]

* or ** supplied as flat oval inlets *6"=4x7 [152=102x178] *8"=4x10 1/8 [203=102x257] *10"=4x13 1/4 [254=102x337] *12"=4x16 3/8 [305=102x416] **12"=6x15 1/32 [305=152x387]

Linear Slot Plenums SDB Series



Drywall Ceiling Mounted

Type 2

Non-Insulated

1/2 in. [13] Slot Width	SDB50
3/4 in. [19] Slot Width	SDB75
1 in. [25] Slot Width	SDB100

Insulated

1/2 in. [13] Slot Width	SDBI50
3/4 in. [19] Slot Width	SDBI75
1 in. [25] Slot Width	SDBI100

Price SDB linear slot plenums are an accessory for SDS linear slot diffusers and are designed for flexible duct connection in drywall ceiling mount applications. Unless there is access to the ceiling space, the plenum is intended to be installed during the drywall ceiling installation.

Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Fits all slot widths of SDS linear slot diffusers, 1 to 10 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDBI**.
- Associated SDS diffusers must be specified and ordered as separate items.

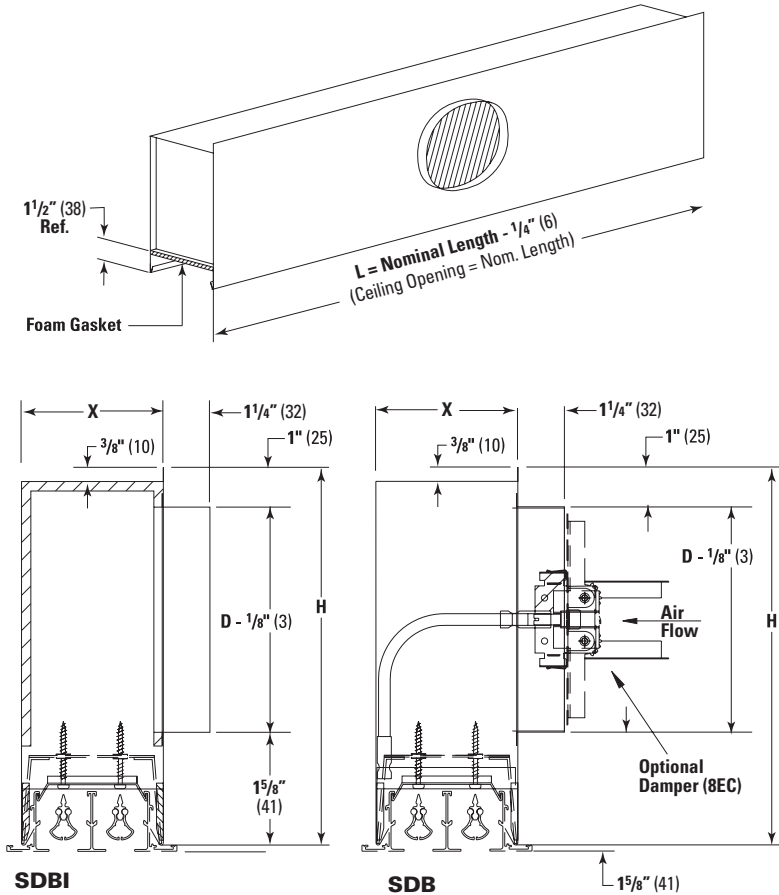
Options

VCR8EC Face operated remote damper (factory installed, round neck only).

Available Sizes

- Nominal Lengths:
24 in. [610]
36 in. [914]
48 in. [1219]
60 in. [1524]
72 in. [1829]

5 to 10 Slot



(Diffuser ordered separately)

Dimensional Data - Imperial Units / Metric Units

Model		D=Nom. Inlet	H = Height	X = Width		
Nominal Length	No. of Slots			SDB		
			50	75	100	
24" Nom. [610]	5	6, 7, 8, 10 6*, 7*, 8*, 10* [152, 178, 203, 254 152*, 178*, 203*, 254*]	H = 13 1/4 [337]	7 [178]	8 1/4 [210]	9 1/2 [241]
	36" Nom. [914]			6	8 1/4 [210]	9 3/4 [248]
48" Nom. [1219]				7	9 1/2 [241]	11 1/4 [286]
60" Nom. [1524]	8	12, 14 12**, 14** [305, 356 305**, 356**]	H = 17 1/4 [438]	10 3/4 [273]	12 3/4 [324]	14 3/4 [375]
	72" Nom. [1829]			9	12 [305]	14 1/4 [344]
10				13 1/4 [337]	15 3/4 [400]	18 1/4 [464]

* or ** supplied as flat oval inlets *6"=4x7[152=102x178]*8"=4x10 1/8[203=102x257]*10"=4x13 1/4[254=102x337]
 * 12" = 4 x 16 3/8 [305 = 102 x 416] ** 12" = 6 x 15 7/32 [305 = 152 x 387]

Linear Slot Diffuser c/w Plenum SDB Plenum w/ SDS Diffuser



Performance Data - 1/2 in. [13] Slot Width (Model 50)

1 Slot

Capacity, cfm			60	80	100	120	140	160	180	200	220
36 in. (4 in. Inlet)	Projection, ft	H	4-9-13	8-10-14	9-10-15	10-12-18	11-13-19	—	—	—	—
		V	11	13	14	16	17	—	—	—	—
	TP	0.144	0.254	0.394	0.571	0.773	—	—	—	—	
48 in. (5 in. Inlet)	Projection, ft	H	2-8-13	5-10-16	8-12-17	11-13-19	12-13-20	12-14-22	13-16-23	—	—
		V	11	13	14	17	18	19	20	—	—
	TP	0.088	0.161	0.248	0.358	0.482	0.628	0.796	—	—	
60 in. (5 in. Inlet)	Projection, ft	H	3-9-13	3-9-14	5-10-17	9-13-18	12-13-21	12-14-22	13-14-22	13-16-23	14-17-25
		V	10	13	14	16	17	18	20	21	22
	TP	0.043	0.079	0.122	0.176	0.238	0.310	0.392	0.486	0.587	
	NC	—	—	—	25	29	33	37	40	43	

2 Slot

Capacity, cfm			100	130	160	190	220	250	280	310	340
36 in. (5 in. Inlet)	Projection, ft	H	6-10-15	9-13-18	11-14-20	12-15-22	13-16-23	14-17-25	—	—	—
		V	14	16	18	20	21	22	—	—	—
	TP	0.097	0.163	0.245	0.348	0.465	0.601	—	—	—	
48 in. (6 in. Inlet)	Projection, ft	H	10-12-16	11-13-18	12-14-20	12-16-23	13-17-24	14-18-25	16-19-26	17-20-29	17-22-30
		V	13	17	19	20	22	23	24	25	26
	TP	0.050	0.084	0.131	0.184	0.247	0.315	0.396	0.487	0.587	
60 in. (7 in. Inlet)	Projection, ft	H	9-12-16	10-13-18	12-14-20	12-16-21	13-17-23	14-18-25	14-20-26	16-20-27	17-21-29
		V	10	14	18	20	21	22	23	25	26
	TP	0.032	0.053	0.077	0.112	0.147	0.193	0.242	0.294	0.354	
	NC	—	—	—	24	28	32	36	39	41	

3 Slot

Capacity, cfm			130	160	190	220	250	280	310	340	370
36 in. (6 in. Inlet)	Projection, ft	H	7-11-18	9-14-20	11-15-21	13-16-23	14-17-24	15-19-26	16-19-27	16-20-29	17-21-30
		V	15	18	19	21	22	24	25	26	27
	TP	0.072	0.112	0.158	0.211	0.270	0.339	0.417	0.502	0.593	
48 in. (7 in. Inlet)	Projection, ft	H	11-13-18	12-14-20	13-16-22	14-17-24	14-18-25	16-19-26	17-20-28	18-22-30	18-23-31
		V	13	16	19	22	23	24	25	26	28
	TP	0.045	0.066	0.096	0.126	0.164	0.206	0.251	0.302	0.359	
60 in. (8 in. Inlet)	Projection, ft	H	10-13-18	12-14-20	12-16-21	13-17-22	14-18-25	16-20-26	16-20-27	17-21-29	18-21-30
		V	12	14	16	20	22	23	25	26	27
	TP	0.024	0.035	0.049	0.068	0.086	0.108	0.132	0.159	0.189	
	NC	—	—	—	20	23	26	29	32	34	

4 Slot

Capacity, cfm			160	200	240	280	320	360	400	440	480
36 in. (7 in. Inlet)	Projection, ft	H	7-12-19	11-15-22	12-17-24	14-19-26	16-20-28	17-21-29	18-22-31	19-23-33	20-24-34
		V	18	20	22	24	25	27	28	30	31
	TP	0.061	0.096	0.138	0.190	0.248	0.311	0.385	0.465	0.553	
48 in. (8 in. Inlet)	Projection, ft	H	5-10-20	7-14-23	11-18-24	14-19-26	17-20-29	18-22-30	19-23-32	20-24-34	20-25-36
		V	14	18	22	24	26	28	30	31	32
	TP	0.034	0.052	0.075	0.104	0.135	0.172	0.213	0.257	0.307	
60 in. (10 in. Inlet)	Projection, ft	H	4-7-16	5-10-22	8-16-25	10-18-26	13-20-27	16-21-29	18-22-31	20-23-33	21-25-34
		V	12	16	18	21	25	27	29	30	31
	TP	0.018	0.029	0.043	0.061	0.079	0.097	0.122	0.148	0.173	
	NC	—	—	—	21	25	28	32	35	37	

For performance notes, see page A60.

Linear Slot Diffuser c/w Plenum SDB Plenum w/ SDS Diffuser



Performance Data - 3/4 in. [19] Slot Width (Model 75)

1 Slot

Capacity, cfm			80	100	120	140	160	180	200	220	240
36 in. (4 in. Inlet)	Projection, ft	H	8-10-15	9-10-15	10-12-17	11-13-19	11-14-20	—	—	—	—
		V	12	14	16	17	18	—	—	—	—
	TP		0.164	0.254	0.369	0.499	0.654	—	—	—	—
		NC	22	29	35	40	44	—	—	—	—
48 in. (5 in. Inlet)	Projection, ft	H	8-10-14	10-11-17	10-12-18	11-13-19	12-14-20	12-16-22	13-16-23	13-17-24	—
		V	13	14	17	18	18	19	20	22	—
	TP		0.090	0.139	0.201	0.271	0.353	0.447	0.554	0.668	—
		NC	—	22	27	32	36	39	43	46	—
60 in. (6 in. Inlet)	Projection, ft	H	8-9-14	9-10-16	10-12-18	10-13-20	12-13-20	12-14-21	13-16-23	13-17-23	14-17-25
		V	13	14	16	17	18	20	20	21	22
	TP		0.058	0.093	0.133	0.186	0.244	0.307	0.377	0.458	0.539
		NC	—	—	24	29	32	36	40	43	45

2 Slot

Capacity, cfm			130	160	190	220	250	280	310	340	370
36 in. (6 in. Inlet)	Projection, ft	H	7-12-18	10-14-20	12-15-22	13-16-24	14-17-25	15-19-27	15-20-28	—	—
		V	16	18	19	21	23	24	25	—	—
	TP		—	0.104	0.162	0.228	0.305	0.390	0.490	0.602	—
		NC	24	30	35	40	44	47	50	—	—
48 in. (7 in. Inlet)	Projection, ft	H	5-11-18	7-14-20	11-16-23	13-17-24	14-18-25	16-19-28	16-20-29	17-22-30	18-23-31
		V	13	15	20	22	23	24	25	28	29
	TP		0.059	0.086	0.126	0.165	0.216	0.271	0.330	0.397	0.472
		NC	—	21	26	30	34	38	41	43	46
60 in. (8 in. Inlet)	Projection, ft	H	4-5-17	7-12-20	8-14-21	10-17-23	13-18-25	14-18-26	16-20-27	16-21-30	17-23-31
		V	13	16	18	21	22	23	25	26	27
	TP		0.045	0.066	0.091	0.146	0.161	0.202	0.247	0.297	0.353
		NC	—	—	24	28	32	36	39	42	44

3 Slot

Capacity, cfm			160	190	220	250	280	310	340	370	400
36 in. (7 in. Inlet)	Projection, ft	H	7-12-20	9-14-22	11-16-23	13-17-25	14-18-26	15-19-27	17-21-29	18-22-30	19-23-31
		V	17	19	21	22	23	25	27	28	29
	TP		0.073	0.107	0.140	0.183	0.230	0.280	0.336	0.400	0.466
		NC	21	26	31	35	38	41	44	47	49
48 in. (8 in. Inlet)	Projection, ft	H	5-11-20	7-17-23	10-18-24	12-18-25	14-19-28	17-20-30	18-22-30	18-23-31	19-24-34
		V	14	18	20	24	25	26	28	29	30
	TP		0.042	0.059	0.082	0.104	0.130	0.160	0.192	0.228	0.267
		NC	—	—	23	26	30	33	35	37	40
60 in. (10 in. Inlet)	Projection, ft	H	4-8-20	5-12-22	7-16-22	8-18-23	10-20-26	13-20-27	16-21-30	17-21-31	18-22-33
		V	13	16	18	20	22	26	27	29	29
	TP		0.023	0.037	0.046	0.060	0.078	0.092	0.110	0.133	0.156
		NC	—	—	—	21	24	27	30	32	35

4 Slot

Capacity, cfm			200	240	280	320	360	400	440	480	520
36 in. (8 in. Inlet)	Projection, ft	H	9-14-22	11-17-25	13-19-27	15-20-28	16-21-30	19-22-31	19-23-32	20-24-34	21-26-36
		V	18	21	24	25	27	29	30	31	33
	TP		0.062	0.090	0.124	0.161	0.205	0.254	0.307	0.366	0.428
		NC	22	27	32	36	39	42	45	48	51
48 in. (10 in. Inlet)	Projection, ft	H	6-12-24	10-16-25	12-18-28	13-20-29	14-22-31	17-24-32	18-24-35	19-25-36	23-26-37
		V	17	19	23	25	28	30	31	32	34
	TP		0.033	0.049	0.070	0.090	0.111	0.139	0.168	0.197	0.234
		NC	—	20	25	28	32	35	38	41	44
60 in. (10 in. Inlet)	Projection, ft	H	4-10-21	7-13-25	9-16-26	12-18-29	13-20-30	14-22-31	16-23-34	17-25-35	20-26-36
		V	14	17	20	22	25	27	30	31	33
	TP		0.021	0.031	0.044	0.057	0.070	0.088	0.107	0.125	0.148
		NC	—	—	—	—	22	25	28	31	33

For performance notes, see page A60.

Linear Slot Diffuser c/w Plenum SDB Plenum w/ SDS Diffuser



Performance Data - 1 in. [25] Slot Width (Model 100)

1 Slot

Capacity, cfm			100	120	140	160	180	200	220	240	260
36 in. (5 in. Inlet)	Projection, ft	H	6-11-15	9-12-17	11-13-19	11-14-20	12-14-20	12-15-22	—	—	—
		V	14	15	17	18	19	20	—	—	—
	TP	0.218	0.314	0.422	0.550	0.698	0.864	—	—	—	—
	NC	32	37	42	46	49	52	—	—	—	—
48 in. (5 in. Inlet)	Projection, ft	H	5-8-17	6-12-18	8-13-19	11-14-20	13-16-22	13-16-24	14-17-24	14-18-24	—
		V	14	17	18	19	20	22	22	23	—
	TP	0.108	0.155	0.209	0.273	0.346	0.428	0.517	0.615	—	—
	NC	—	22	26	30	34	37	40	43	—	—
60 in. (6 in. Inlet)	Projection, ft	H	3-7-16	5-9-18	7-12-20	8-14-20	10-14-21	12-16-22	13-16-23	14-17-25	14-18-26
		V	14	16	17	18	20	21	22	22	23
	TP	0.062	0.090	0.125	0.164	0.207	0.254	0.308	0.363	0.429	—
	NC	—	—	20	24	27	30	33	36	38	—

2 Slot

Capacity, cfm			160	190	220	250	280	310	340	370	400
36 in. (6 in. Inlet)	Projection, ft	H	7-14-20	11-15-22	13-16-23	14-17-24	15-19-26	16-19-27	17-20-28	—	—
		V	17	19	21	23	24	25	26	—	—
	TP	0.122	0.171	0.229	0.293	0.368	0.452	0.545	—	—	—
	NC	24	29	34	37	41	44	46	—	—	—
48 in. (7 in. Inlet)	Projection, ft	H	5-13-20	7-16-23	10-17-24	12-18-26	16-19-28	17-20-29	18-22-30	18-23-31	19-24-32
		V	17	19	22	23	24	26	28	29	30
	TP	0.060	0.087	0.114	0.150	0.188	0.228	0.275	0.326	0.381	—
	NC	—	—	23	27	30	33	36	39	41	—
60 in. (8 in. Inlet)	Projection, ft	H	4-9-20	5-14-22	7-17-23	9-18-25	10-20-26	13-20-29	17-21-30	18-22-31	18-22-32
		V	14	17	20	22	23	25	26	27	29
	TP	0.040	0.055	0.076	0.098	0.122	0.149	0.180	0.214	0.25	—
	NC	—	—	—	21	24	27	30	32	35	—

3 Slot

Capacity, cfm			190	220	250	280	310	340	370	400	430
36 in. (8 in. Inlet)	Projection, ft	H	8-14-21	10-16-23	11-17-25	13-19-27	15-20-28	16-21-30	16-22-31	18-23-32	19-24-33
		V	18	20	22	24	26	27	28	29	30
	TP	0.076	0.105	0.134	0.168	0.206	0.248	0.294	0.344	0.399	—
	NC	23	28	32	35	38	40	43	46	48	—
48 in. (10 in. Inlet)	Projection, ft	H	5-12-23	7-16-24	10-18-25	12-19-28	14-20-30	16-22-31	16-23-32	17-23-34	17-24-35
		V	16	18	20	23	25	26	28	29	30
	TP	0.037	0.051	0.066	0.082	0.101	0.121	0.144	0.168	0.194	—
	NC	—	—	22	26	29	32	34	37	39	—
60 in. (10 in. Inlet)	Projection, ft	H	4-8-22	5-12-23	7-14-25	8-18-26	9-20-29	12-21-31	14-21-31	16-22-33	17-23-34
		V	14	16	28	20	22	23	26	27	29
	TP	0.027	0.033	0.043	0.057	0.067	0.080	0.097	0.113	0.130	—
	NC	—	—	—	—	20	23	25	28	30	—

4 Slot

Capacity, cfm			240	280	320	360	400	440	480	520	560
36 in. (8 in. Inlet)	Projection, ft	H	9-15-25	12-17-27	13-18-28	14-21-30	15-23-32	17-24-33	20-24-34	21-25-36	22-26-37
		V	19	23	25	27	29	30	31	32	33
	TP	0.070	0.096	0.125	0.159	0.198	0.239	0.284	0.333	0.388	—
	NC	21	26	30	33	37	40	42	45	47	—
48 in. (10 in. Inlet)	Projection, ft	H	6-12-25	8-16-26	11-18-29	14-22-30	18-23-31	19-24-34	20-25-35	22-26-36	23-28-37
		V	17	20	23	25	29	30	31	32	35
	TP	0.036	0.051	0.066	0.081	0.102	0.123	0.144	0.171	0.198	—
	NC	—	—	21	25	28	31	34	36	39	—
60 in. (10 in. Inlet)	Projection, ft	H	5-9-23	7-13-26	8-14-29	9-17-29	12-20-31	14-21-33	16-22-35	20-26-36	21-26-36
		V	14	17	20	22	25	26	30	33	33
	TP	0.025	0.036	0.046	0.057	0.071	0.086	0.101	0.120	0.139	—
	NC	—	—	—	—	20	23	26	28	31	—

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in in. w.g.
3. Horizontal throw is minimum to a terminal velocity of 150 fpm, middle to 100 fpm, and maximum to 50 fpm.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
5. Vertical throw is to a terminal velocity of 50 fpm.
6. Throw data is based on room air and supply air being at isothermal conditions.
7. The NC values are based on a room absorption of 10 dB, re 10⁻¹² watts. The NC values are 10 lower with vertical projection.
8. Blanks (--) indicate an NC below 20.
9. Associated SDS diffuser must be specified and ordered as a separate item.

Linear Slot Diffuser c/w Plenum SDB/SDBI Series



Performance Data - 1.5" [38] Slot Width (Model 150)

1 Slot

Capacity, cfm			120	140	160	180	200	220	240	260	280
36 in. (5 in. inlet)	Projection, Ft.	H	13-16-23	14-17-25	15-19-26	16-20-28	17-21-30	18-22-31	19-23-32	19-24-34	20-25-35
		V	15	16	17	18	19	20	21	21	22
	TP	0.135	0.184	0.240	0.304	0.375	0.454	0.541	0.634	0.736	0.736
	NC	26	30	34	37	40	43	45	47	49	49
48 in. (6 in. inlet)	Projection, Ft.	H	9-14-21	11-16-23	12-17-24	14-18-26	15-19-27	16-20-28	17-21-30	18-22-31	18-23-32
		V	15	16	17	18	19	20	21	22	23
	TP	0.071	0.096	0.125	0.159	0.196	0.237	0.282	0.331	0.384	0.384
	NC	17	21	25	28	31	34	36	38	40	40
60 in. (6 in. inlet)	Projection, Ft.	H	5-9-19	7-11-20	8-12-22	9-14-23	10-16-24	11-17-26	12-19-27	14-20-28	15-20-29
		V	16	17	18	19	20	21	22	23	24
	TP	0.056	0.077	0.100	0.127	0.157	0.190	0.226	0.265	0.307	0.307
	NC	--	19	22	26	28	31	33	36	38	38

2 Slot

Capacity, cfm			190	220	250	280	310	340	370	400	430
36 in. (6 in. inlet)	Projection, Ft.	H	14-19-27	16-20-29	18-22-30	19-23-32	20-24-34	20-25-35	21-26-37	22-27-38	23-28-40
		V	19	20	21	23	24	25	26	27	28
	TP	0.120	0.161	0.208	0.261	0.320	0.385	0.455	0.532	0.615	0.615
	NC	25	29	33	36	39	41	43	45	47	47
48 in. (8 in. inlet)	Projection, Ft.	H	10-16-22	12-17-24	14-18-26	15-19-27	16-20-29	17-21-30	18-22-31	19-23-32	19-24-34
		V	16	17	18	19	20	21	22	23	24
	TP	0.049	0.066	0.086	0.107	0.132	0.158	0.188	0.219	0.253	0.253
	NC	--	17	20	23	26	28	31	33	35	35
60 in. (10 in. inlet)	Projection, Ft.	H	8-12-18	9-14-20	11-15-21	12-16-22	13-16-23	14-17-24	15-18-25	15-19-26	16-19-27
		V	13	14	15	16	17	18	18	19	20
	TP	0.026	0.034	0.045	0.056	0.068	0.082	0.098	0.114	0.132	0.132
	NC	--	--	--	--	17	19	21	23	25	25

3 Slot

Capacity, cfm			220	250	280	310	340	370	400	430	460
36 in. (8 in. inlet)	Projection, Ft.	H	12-17-29	13-20-30	15-22-32	16-24-34	18-25-36	19-26-37	21-27-39	23-28-40	24-29-41
		V	18	19	20	21	22	23	24	25	26
	TP	0.059	0.076	0.096	0.117	0.141	0.167	0.196	0.226	0.259	0.259
	NC	15	19	22	25	27	29	32	33	35	35
48 in. (10 in. inlet)	Projection, Ft.	H	7-14-23	10-16-24	12-17-26	13-19-27	14-20-28	15-21-29	17-22-31	18-22-32	19-23-33
		V	12	13	14	15	16	16	17	18	18
	TP	0.028	0.037	0.046	0.056	0.068	0.080	0.094	0.108	0.124	0.124
	NC	--	--	--	--	17	19	21	23	25	25
60 in. (10 in. inlet)	Projection, Ft.	H	5-11-17	6-13-18	8-14-19	9-14-20	11-15-21	13-16-22	13-16-23	14-17-24	14-17-24
		V	7	8	9	10	10	11	12	13	14
	TP	0.023	0.030	0.037	0.045	0.055	0.065	0.076	0.087	0.100	0.100
	NC	--	--	--	--	--	17	19	21	23	23

4 Slot

Capacity, cfm			280	320	360	400	440	480	520	560	600
36 in. (8 in. inlet)	Projection, Ft.	H	13-20-30	15-23-32	17-24-34	19-26-36	21-27-38	23-28-40	24-29-41	25-30-43	26-31-44
		V	19	20	22	23	24	25	26	27	28
	TP	0.075	0.098	0.124	0.153	0.185	0.220	0.258	0.299	0.344	0.344
	NC	19	23	26	29	31	34	36	38	40	40
48 in. (10 in. inlet)	Projection, Ft.	H	7-13-25	9-14-26	11-16-28	12-18-29	13-20-31	14-22-32	16-23-34	17-25-35	18-26-36
		V	13	15	16	16	17	18	19	19	20
	TP	0.035	0.046	0.058	0.071	0.086	0.103	0.120	0.140	0.160	0.160
	NC	--	--	15	18	21	23	25	27	29	29
60 in. (10 in. inlet)	Projection, Ft.	H	3-7-14	4-8-16	5-9-18	6-10-20	8-11-23	8-12-25	9-13-26	10-14-27	10-15-28
		V	9	10	11	12	13	14	15	15	16
	TP	0.029	0.038	0.048	0.060	0.072	0.086	0.101	0.117	0.134	0.134
	NC	--	--	--	16	19	21	23	25	27	27

Performance Notes:

- Tested data in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- All pressures are in in. w.g.
- Horizontal throw is minimum to a terminal velocity of 150 fpm, middle to 100 fpm, and maximum to 50 fpm.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Vertical throw is to a terminal velocity of 50 fpm.
- Throw data based on supply and room air being at isothermal conditions.
- The NC values are based on a room absorption of 10 dB, re 10⁻¹² watts.
- Blanks indicate NC less than 15.

Linear Slot Plenums

SDA Series

Premium Performance
Sloped Shoulder Plenums

T-bar Mounted

Type 14

Non-Insulated

1/2 in. [13] Slot Width
3/4 in. [19] Slot Width
1 in. [25] Slot Width

SDA50
SDA75
SDA100

Insulated

1/2 in. [13] Slot Width
3/4 in. [19] Slot Width
1 in. [25] Slot Width

SDAI50
SDAI75
SDAI100

Price SDA linear slot plenums are an accessory for SDS linear slot diffusers designed for flexible duct connection in T-bar mounting applications. The slope-shouldered design provides premium performance through a wide spread, permitting shorter throws. Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Premium performance through slope-shouldered design.
- Fits all slot widths of SDS linear slot diffusers, 1 to 4 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDAI**.
- Associated SDS diffusers must be specified and ordered as separate items.

Available Sizes

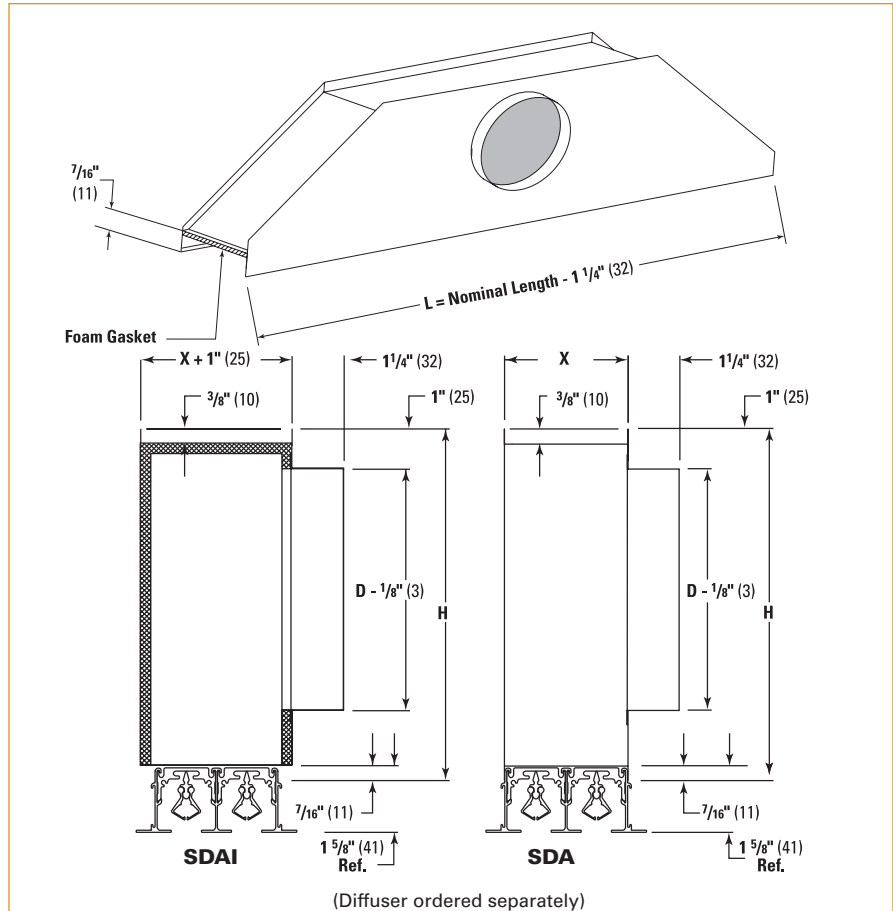
Nominal Lengths:
36 in. [914]
48 in. [1219]
60 in. [1524]

Note: Not recommended for drywall ceiling unless adjacent access is available.

✓ Product Selection Checklist

- 1] Select Unit Size (module length).
- 2] Select Outlet Type by model number (slot width).
- 3] Select Number of Slots.
- 4] Select Border Style 14 for T-bar mount.
- 5] Specify Inlet Diameter.

Example: 36 in. / SDA50 / 2 / 14 / 6 in.



Dimensional Data - Imperial Units / Metric Units

Model	No. of Slots	SDA 50			SDA 75			SDA 100		
		D=Nom. Inlet	H Height	X Width	D=Nom. Inlet	H Height	X Width	D=Nom. Inlet	H Height	X Width
36" Nom. L=32"	1	4 [102]	6 [152]	1 ⁵ / ₁₆ [33]	4 [102]	6 [152]	1 ⁹ / ₁₆ [40]	5 [127]	7 [178]	1 ¹³ / ₁₆ [46]
	2	5 [127]	7 [178]	2 ⁹ / ₁₆ [65]	6 [152]	8 [203]	3 ¹ / ₁₆ [78]	6 [152]	8 [203]	3 ⁹ / ₁₆ [90]
	3	6 [152]	8 [203]	3 ¹³ / ₁₆ [97]	7 [178]	9 [229]	4 ⁹ / ₁₆ [116]	8 [203]	10 [254]	5 ⁵ / ₁₆ [135]
	4	7 [178]	9 [229]	5 ¹ / ₁₆ [129]	8 [203]	10 [254]	6 ¹ / ₁₆ [154]	8 [203]	10 [254]	7 ¹ / ₁₆ [179]
48" Nom. L=44"	1	5 [127]	7 [178]	1 ⁵ / ₁₆ [33]	5 [127]	7 [178]	1 ⁹ / ₁₆ [40]	5 [127]	7 [178]	1 ¹³ / ₁₆ [46]
	2	6 [152]	8 [203]	2 ⁹ / ₁₆ [65]	7 [178]	9 [229]	3 ¹ / ₁₆ [78]	7 [178]	9 [229]	3 ⁹ / ₁₆ [90]
	3	7 [178]	9 [229]	3 ¹³ / ₁₆ [97]	8 [203]	10 [254]	4 ⁹ / ₁₆ [116]	10 [254]	12 [305]	5 ⁵ / ₁₆ [135]
	4	8 [203]	10 [254]	5 ¹ / ₁₆ [129]	10 [254]	12 [305]	6 ¹ / ₁₆ [154]	10 [254]	12 [305]	7 ¹ / ₁₆ [179]
60" Nom. L=56"	1	5 [127]	7 [178]	1 ⁵ / ₁₆ [33]	6 [152]	8 [203]	1 ⁹ / ₁₆ [40]	6 [152]	8 [203]	1 ¹³ / ₁₆ [46]
	2	7 [178]	9 [229]	2 ⁹ / ₁₆ [65]	8 [203]	10 [254]	3 ¹ / ₁₆ [78]	8 [203]	10 [254]	3 ⁹ / ₁₆ [90]
	3	8 [203]	10 [254]	3 ¹³ / ₁₆ [97]	10 [254]	12 [305]	4 ⁹ / ₁₆ [116]	10 [254]	12 [305]	5 ⁵ / ₁₆ [135]
	4	10 [254]	12 [305]	5 ¹ / ₁₆ [129]	10 [254]	12 [305]	6 ¹ / ₁₆ [154]	10 [254]	12 [305]	7 ¹ / ₁₆ [179]

Linear Slot Plenums SDA Series

Premium Performance
Sloped Shoulder Plenums



T-bar Mounted - Type 18

Type 18

Non-Insulated

3/4 in. [19] Slot Width

SDA75

Insulated

3/4 in. [19] Slot Width

SDAI75

Price SDA linear slot plenums are an accessory for SDS linear slot diffusers designed for flexible duct connection in T-bar mounting applications. The slope-shouldered design provides premium performance through a wide spread permitting shorter throws. Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Premium performance through slope-shouldered design.
- Fits Type 18, 19, and 20 TechZone™ SDS linear slot diffusers, 1 to 4 slot models.
- Optional 1/4 in. [6] coated fiberglass (CF) or Fiber Free foam (FF) internal insulation available, model **SDAI**.
- Associated SDS diffusers must be specified and ordered as separate items.

Available Sizes

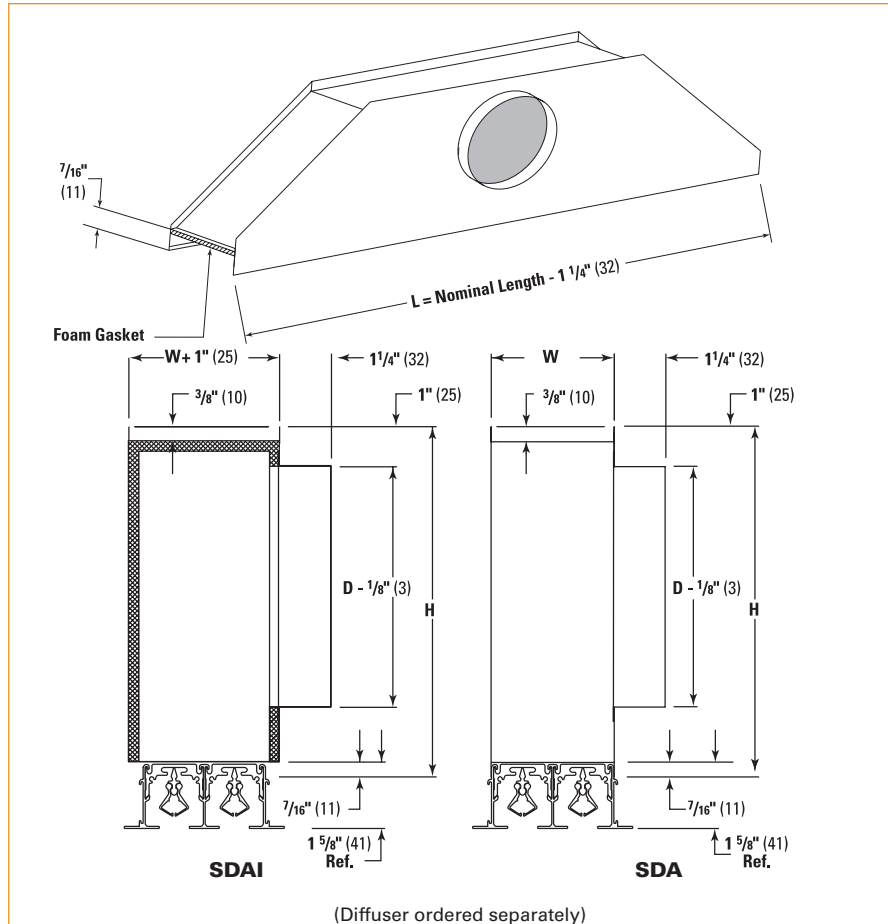
Nominal Lengths:

36 in. [914]

48 in. [1219]

60 in. [1524]

Note: Not recommended for drywall ceiling unless adjacent access is available.



(Diffuser ordered separately)

Dimensional Data - Imperial Units / Metric Units

Model		SDA 75		
Nominal Length	No. of Slots	D=Nom. Inlet	H Height	W Width
36" Nom. [914] L=34 3/4" [883]	1	4 [102]	6 [152]	1 9/16 [40]
	2	6 [152]	8 [203]	3 1/16 [78]
	3	7 [178]	9 [229]	4 9/16 [116]
	4	8 [203]	10 [254]	5 1/16 [129]
48" Nom. [1219] L=46 3/4" [1187]	1	5 [127]	7 [178]	1 9/16 [40]
	2	7 [178]	9 [229]	3 1/16 [78]
	3	8 [203]	10 [254]	4 9/16 [116]
	4	10 [254]	12 [305]	5 1/16 [129]
60" Nom. [1524] L=58 3/4" [1492]	1	6 [152]	8 [203]	1 9/16 [40]
	2	8 [203]	10 [254]	3 1/16 [78]
	3	10 [254]	12 [305]	4 9/16 [116]
	4	10 [254]	12 [305]	5 1/16 [129]

✓ Product Selection Checklist

- 1] Select Unit Size (module length).
- 2] Select Outlet Type by model number (slot width).
- 3] Select Number of Slots.
- 4] Select Border Style 18 for T-bar mount.
- 5] Specify Inlet Diameter.

Example: 36 in. / SDA75 / 2 / 18 / 6 in.

Linear Slot Diffusers

SDA Series

Premium Performance
Sloped Shoulder Plenums

Drywall Ceiling Mounted

Type 2

Non-Insulated

- 1/2 in. [13] Slot Width
- 3/4 in. [19] Slot Width
- 1 in. [25] Slot Width

- SDA50**
- SDA75**
- SDA100**

Insulated

- 1/2 in. [13] Slot Width
- 3/4 in. [19] Slot Width
- 1 in. [25] Slot Width

- SDAI50**
- SDAI75**
- SDAI100**

Price SDA linear slot plenums are an accessory for SDS linear slot diffusers designed for flexible duct connection in drywall ceiling mount applications. The slope-shouldered design provides premium performance through a wide spread permitting shorter throws. Unless there is access to the ceiling space, the plenum is intended to be installed during the drywall ceiling installation.

Plenum accessories save on-site fabrication and field labor. When room usage changes, plenum accessories simplify rearrangement of air distribution.

Features

- Premium performance through slope-shouldered design.
- Fits all slot widths of SDS linear slot diffusers, 1 to 4 slot models.
- Associated SDS diffusers must be specified and ordered as separate items.

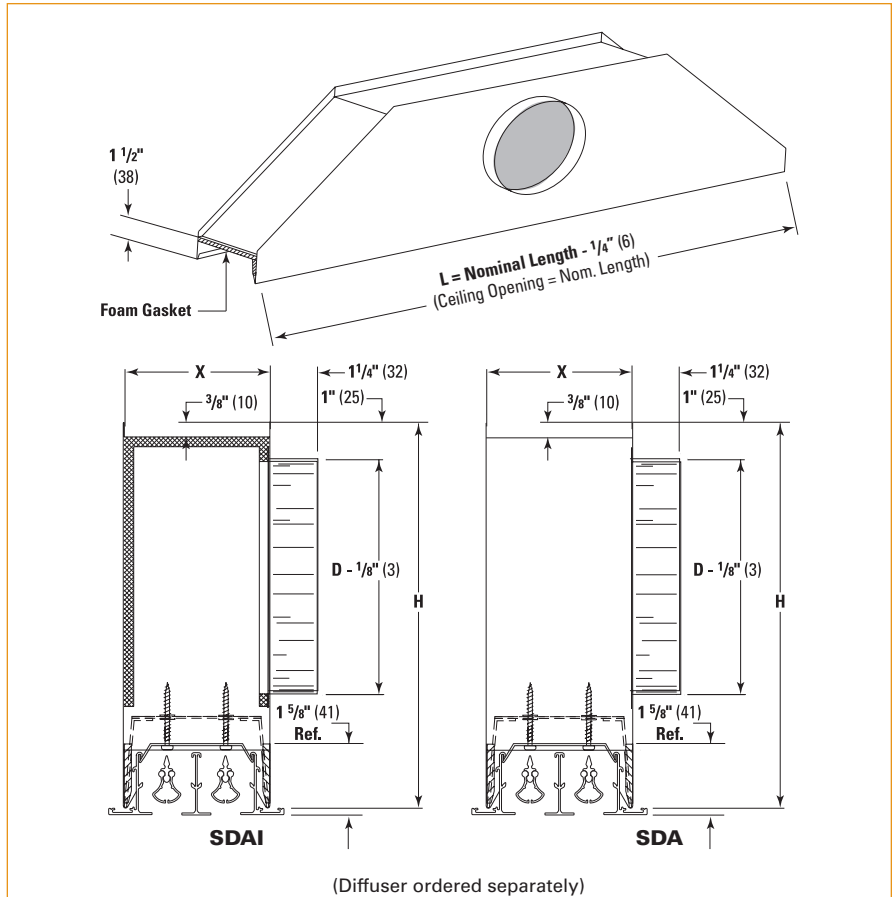
Available Sizes

- Nominal Lengths:
- 36 in.** [914]
- 48 in.** [1219]
- 60 in.** [1524]

✓ Product Selection Checklist

- 1] Select Unit Size (module length).
- 2] Select Outlet Type by model number (slot width).
- 3] Select Number of Slots.
- 4] Select Border Style 2 for drywall ceiling mount.
- 5] Specify Inlet Diameter.

Example: 36 in. / SDA50 / 2 / 2 / 6 in.



Dimensional Data - Imperial Units / Metric Units

Model	No. of Slots	SDA 50			SDA 75			SDA 100		
		D=Nom. Inlet	H Height	X Width	D=Nom. Inlet	H Height	X Width	D=Nom. Inlet	H Height	X Width
36" Nom. [914] L=35 3/4" [908]	1	4 [102]	7 1/4 [184]	2 [51]	4 [102]	7 1/4 [184]	2 1/4 [57]	5 [127]	8 1/4 [210]	2 1/2 [64]
	2	5 [127]	8 1/4 [210]	3 1/4 [83]	6 [152]	9 1/4 [235]	3 3/4 [95]	6 [152]	9 1/4 [235]	4 1/4 [108]
	3	6 [152]	9 1/4 [235]	4 1/2 [114]	7 [178]	10 1/4 [260]	5 1/4 [133]	8 [203]	11 1/4 [286]	6 [197]
	4	7 [178]	10 1/4 [260]	5 3/4 [146]	8 [203]	11 1/4 [285]	6 3/4 [171]	8 [203]	11 1/4 [286]	7 3/4 [197]
48" Nom. [1219] L=47 3/4" [1213]	1	5 [127]	8 1/4 [210]	2 [51]	5 [127]	8 1/4 [210]	2 1/4 [57]	5 [127]	8 1/4 [210]	2 1/2 [64]
	2	6 [152]	9 1/4 [235]	3 1/4 [83]	7 [178]	10 1/4 [260]	3 3/4 [95]	7 [178]	10 1/4 [260]	4 1/4 [108]
	3	7 [178]	10 1/4 [260]	4 1/2 [114]	8 [203]	11 1/4 [286]	5 1/4 [133]	10 [254]	13 1/4 [337]	6 [152]
	4	8 [203]	11 1/4 [286]	5 3/4 [146]	10 [254]	13 1/4 [337]	6 3/4 [171]	10 [254]	13 1/4 [337]	7 3/4 [197]
60" Nom. [1524] L=59 3/4" [1518]	1	5 [127]	8 1/4 [210]	2 [51]	5 [127]	8 1/4 [210]	2 1/4 [57]	5 [127]	8 1/4 [210]	2 1/2 [64]
	2	6 [152]	9 1/4 [235]	3 1/4 [83]	7 [178]	10 1/4 [260]	3 3/4 [95]	7 [178]	10 1/4 [260]	4 1/4 [108]
	3	7 [178]	10 1/4 [260]	4 1/2 [114]	8 [203]	11 1/4 [286]	5 1/4 [133]	10 [254]	13 1/4 [337]	6 [152]
	4	8 [203]	11 1/4 [286]	5 3/4 [146]	10 [254]	13 1/4 [337]	6 3/4 [171]	10 [254]	13 1/4 [337]	7 3/4 [197]

Linear Slot Diffuser c/w Plenum SDA Plenum w/ SDS Diffuser



Performance Data - 1/2 in. [13] Slot Width (Model 50)

1 Slot

Capacity, cfm			60	80	100	120	140	160	180	200	220
Nom. Length	Throw	H	3-5-9	4-7-11	5-8-12	6-9-13	8-10-14	9-11-15	9-11-16	10-12-17	10-12-18
	ft	V	2-4-7	3-5-8	4-6-9	5-7-10	5-8-11	6-8-11	7-9-12	7-9-13	8-10-14
Nom. Length	Spread	H	4-7-13	6-10-16	7-12-18	9-13-19	12-15-21	13-16-22	13-16-24	15-18-25	15-18-27
	ft	V	3-5-9	4-6-10	5-8-12	6-9-13	6-10-14	8-10-14	9-12-16	9-12-17	10-13-18
36 in.		TP	.144	.254	.394	.571	.773	—	—	—	—
(4 in. Inlet)		NC	23	32	39	45	49	—	—	—	—
48 in.		TP	.088	.161	.248	.358	.482	.628	.796	—	—
(5 in. Inlet)		NC	—	28	35	40	45	49	52	—	—
60 in.		TP	.043	.079	.122	.176	.238	.310	.392	.486	.587
(5 in. Inlet)		NC	—	—	—	25	29	33	37	40	43

2 Slot

Capacity, cfm			100	130	160	190	220	250	280	310	340
Nom. Length	Throw	H	4-6-11	5-7-12	6-9-14	7-10-15	8-11-16	9-12-17	10-13-18	11-13-19	11-14-20
	ft	V	2-3-5	2-4-6	3-4-7	3-5-7	4-6-8	4-6-8	5-6-9	5-7-9	6-7-10
Nom. Length	Spread	H	6-9-16	7-10-18	9-13-21	10-15-22	12-16-24	13-18-25	15-19-27	16-19-28	16-21-30
	ft	V	3-4-6	3-5-8	4-5-9	4-6-9	5-8-10	5-8-10	6-8-12	6-9-12	8-9-13
36 in.		TP	.097	.163	.245	.348	.465	.601	—	—	—
(5 in. Inlet)		NC	21	28	35	40	44	48	—	—	—
48 in.		TP	.050	.084	.131	.184	.247	.315	.396	.487	.587
(6 in. Inlet)		NC	—	—	25	30	35	39	43	46	49
60 in.		TP	.032	.053	.077	.112	.147	.193	.242	.294	.354
(7 in. Inlet)		NC	—	—	—	24	28	32	36	39	41

3 Slot

Capacity, cfm			130	160	190	220	250	280	310	340	370
Nom. Length	Throw	H	4-6-11	5-7-12	5-8-14	6-9-15	7-11-16	8-12-17	9-12-18	10-13-18	10-13-19
	ft	V	2-2-5	2-3-5	2-3-6	3-4-7	3-4-7	3-5-8	4-5-8	4-6-8	4-6-9
Nom. Length	Spread	H	6-9-16	7-10-18	7-12-21	9-13-22	10-16-24	12-18-25	13-18-27	15-19-27	15-19-28
	ft	V	3-3-6	3-4-6	3-4-8	4-5-9	4-5-9	4-6-10	5-6-10	5-8-10	5-8-12
36 in.		TP	.072	.112	.158	.211	.270	.339	.417	.502	.593
(6 in. Inlet)		NC	20	26	31	36	40	43	46	49	51
48 in.		TP	.045	.066	.096	.126	.164	.206	.251	.302	.359
(7 in. Inlet)		NC	—	—	24	29	33	36	39	42	44
60 in.		TP	.024	.035	.049	.068	.086	.108	.132	.159	.189
(8 in. Inlet)		NC	—	—	—	20	23	26	29	32	34

4 Slot

Capacity, cfm			160	200	240	280	320	360	400	440	480
Nom. Length	Throw	H	4-6-12	5-7-13	6-9-15	7-10-16	8-12-17	9-13-18	10-13-19	11-14-20	12-15-21
	ft	V	1-2-4	2-3-5	2-3-6	2-4-7	3-4-7	3-5-8	3-5-8	4-6-9	4-6-9
Nom. Length	Spread	H	6-9-18	7-10-19	9-13-22	10-15-24	12-18-25	13-19-27	15-19-28	16-21-30	18-22-31
	ft	V	1-3-5	3-4-6	3-4-8	3-5-9	4-5-9	4-6-10	4-6-10	5-8-12	5-8-12
36 in.		TP	.061	.096	.138	.190	.248	.311	.385	.465	.553
(7 in. Inlet)		NC	20	26	32	37	41	44	47	51	53
48 in.		TP	.034	.052	.075	.104	.135	.172	.213	.257	.307
(8 in. Inlet)		NC	—	—	23	28	31	35	38	41	44
60 in.		TP	.018	.029	.043	.061	.079	.097	.122	.148	.173
(10 in. Inlet)		NC	—	—	—	21	25	28	32	35	37

For performance notes, see page A66.

Linear Slot Diffuser c/w Plenum SDA Plenum w/ SDS Diffuser



Performance Data - 3/4 in. [19] Slot Width (Model 75)

1 Slot

Capacity, cfm			20	40	60	80	100	120	140	160
Nom. Length	Throw	H		3-5-9	4-6-10	4-7-11	5-7-11	6-9-13	7-10-14	8-10-15
	ft	V		2-4-5	3-4-6	3-4-6	3-5-7	4-6-8	5-6-8	5-6-9
Nom. Length	Spread	H		4-7-13	5-9-14	6-9-15	7-10-16	9-13-19	10-15-21	12-15-22
	ft	V		3-5-7	3-5-8	4-5-8	4-6-9	5-8-10	6-8-10	6-8-12
36 in.		TP		.051	.116	.206	.321	.463	.630	.823
(4 in. Inlet)		NC		19	28	35	40	44	48	51
48 in.		TP		.025	.056	.100	.156	.225	.306	.400
(5 in. Inlet)		NC		—	20	27	32	36	40	43
60 in.		TP		.014	.032	.057	.089	.128	.174	.228
(6 in. Inlet)		NC		—	—	20	25	30	33	36

2 Slot

Capacity, cfm			130	160	190	220	250	280	310	340	370
Nom. Length	Throw	H	5-7-12	6-9-13	7-10-14	8-11-15	9-11-16	10-12-17	10-13-18	11-13-19	11-14-20
	ft	V	2-4-6	3-4-6	4-5-7	4-5-7	5-6-8	5-6-8	5-6-9	5-6-9	6-7-10
Nom. Length	Spread	H	7-10-18	9-13-19	10-15-21	12-16-22	13-16-24	15-18-25	15-19-27	16-19-28	16-21-30
	ft	V	3-5-8	4-5-8	5-6-9	5-6-9	6-8-10	6-8-10	6-8-12	6-8-12	8-9-13
36 in.		TP	.104	.162	.228	.305	.390	.490	.602	—	—
(6 in. Inlet)		NC	24	30	35	40	44	47	50	—	—
48 in.		TP	0.59	.086	.126	.165	.216	.271	.330	.397	.472
(7 in. Inlet)		NC	—	21	26	30	34	38	41	43	46
60 in.		TP	.045	.066	.091	.146	.161	.202	.247	.297	.353
(8 in. Inlet)		NC	—	—	24	28	32	36	39	42	44

3 Slot

Capacity, cfm			160	190	220	250	280	310	340	370	400
Nom. Length	Throw	H	5-7-12	6-8-13	6-10-14	7-11-15	8-11-16	9-12-17	10-12-18	10-13-19	11-13-19
	ft	V	2-3-5	3-4-6	3-5-6	3-5-7	4-5-7	4-5-8	5-6-8	5-6-8	5-6-9
Nom. Length	Spread	H	7-10-18	9-12-19	9-15-21	10-16-22	12-16-24	13-18-25	15-18-27	15-19-28	16-19-28
	ft	V	3-4-6	4-5-8	4-6-8	4-6-9	5-6-9	5-6-10	6-8-10	6-8-10	6-8-12
36 in.		TP	.073	.107	.140	.183	.230	.280	.336	.400	.466
(7 in. Inlet)		NC	21	26	31	35	38	41	44	43	49
48 in.		TP	.042	0.59	.082	.104	.130	.160	.192	.228	.267
(8 in. Inlet)		NC	—	—	23	26	30	33	35	37	40
60 in.		TP	.023	.037	.046	.060	.078	.092	.110	.133	.156
(10 in. Inlet)		NC	—	—	—	21	24	27	30	32	35

4 Slot

Capacity, cfm			200	240	280	320	360	400	440	480	520
Nom. Length	Throw	H	5-8-13	6-9-14	7-11-15	8-12-16	9-12-17	10-13-18	11-14-19	11-14-20	12-15-21
	ft	V	2-3-6	3-4-6	3-5-7	4-5-7	4-5-7	4-5-8	5-6-8	5-6-9	5-6-9
Nom. Length	Spread	H	7-12-19	9-13-21	10-16-22	12-18-24	13-18-25	15-19-27	16-21-28	16-21-30	18-22-31
	ft	V	3-4-8	4-5-8	4-6-9	5-6-9	5-6-9	5-6-10	6-8-10	6-8-12	6-8-12
36 in.		TP	.062	.090	.124	.161	.205	.254	.307	.366	.428
(8 in. Inlet)		NC	22	27	32	36	39	42	45	48	51
48 in.		TP	.033	.049	.070	.090	.111	.139	.168	.197	.234
(10 in. Inlet)		NC	—	20	25	28	32	35	38	41	44
60 in.		TP	.021	.031	.044	.057	.070	.088	.107	.125	.148
(10 in. Inlet)		NC	—	—	—	—	22	25	28	31	33

For performance notes, see page A66.

LINEAR DIFFUSERS AND GRILLES

Linear Slot Diffuser c/w Plenum SDA Plenum w/ SDS Diffuser



Performance Data - 1 in. [25] Slot Width (Model 100)

1 Slot

Capacity, cfm			100	120	140	160	180	200	220	240	260
Nom. Length	Throw	H	4-6-11	5-8-12	6-10-13	7-10-14	8-11-15	9-11-16	10-12-17	10-12-17	10-13-18
	ft	V	2-3-6	3-4-7	3-5-7	3-5-8	4-6-8	4-6-9	5-6-9	5-7-9	6-7-10
Nom. Length	Spread	H	6-9-16	7-12-18	9-15-19	10-15-21	12-16-22	13-16-24	15-18-25	15-18-25	15-19-27
	ft	V	3-4-8	4-5-9	4-6-9	4-6-10	5-8-10	5-8-12	6-8-12	6-9-12	8-9-13
36 in.		TP	.218	.314	.422	.550	.698	.864	—	—	—
(5 in. Inlet)		NC	.32	.37	.42	.46	.49	.52	—	—	—
48 in.		TP	.108	.155	.209	.273	.346	.428	.517	.615	—
(5 in. Inlet)		NC	—	.22	.26	.30	.34	.37	.40	.43	—
60 in.		TP	.062	.090	.125	.164	.207	.254	.308	.363	.429
(6 in. Inlet)		NC	—	—	.20	.24	.27	.30	.33	.36	.38

2 Slot

Capacity, cfm			160	190	220	250	280	310	340	370	400
Nom. Length	Throw	H	5-8-12	6-9-14	7-10-15	8-11-16	9-12-17	10-12-18	11-13-18	11-13-19	11-14-20
	ft	V	2-3-6	3-4-7	3-5-7	3-5-7	4-6-8	4-6-8	5-6-8	5-6-9	5-6-9
Nom. Length	Spread	H	7-12-18	9-13-21	10-15-22	12-16-24	13-18-25	15-18-27	16-19-27	16-19-28	16-21-30
	ft	V	3-4-8	4-5-9	4-6-9	4-6-9	5-8-10	5-8-10	6-8-10	6-8-12	6-8-12
36 in.		TP	.122	.171	.229	.293	.368	.452	.545	—	—
(6 in. Inlet)		NC	.24	.29	.34	.37	.41	.44	.46	—	—
48 in.		TP	.060	.087	.114	.150	.188	.228	.275	.326	.381
(7 in. Inlet)		NC	—	—	.23	.27	.30	.33	.36	.39	.41
60 in.		TP	.040	.055	.076	.098	.122	.149	.180	.214	.250
(8 in. Inlet)		NC	—	—	—	.21	.24	.27	.30	.32	.35

3 Slot

Capacity, cfm			190	220	250	280	310	340	370	400	430
Nom. Length	Throw	H	5-7-12	6-8-14	6-10-15	7-11-15	8-11-16	8-12-17	9-12-18	10-13-18	11-13-19
	ft	V	2-3-6	2-3-6	3-4-6	3-4-7	3-5-7	3-5-7	4-5-8	4-6-8	4-6-8
Nom. Length	Spread	H	7-10-18	9-12-21	9-15-22	10-16-22	12-16-24	12-18-25	13-18-27	15-19-27	16-19-28
	ft	V	3-4-8	3-4-8	4-5-8	4-5-9	4-6-9	4-6-9	5-6-10	5-8-10	5-8-10
36 in.		TP	.076	.105	.134	.168	.206	.248	.294	.344	.399
(8 in. Inlet)		NC	.23	.28	.32	.35	.38	.40	.43	.46	.48
48 in.		TP	.037	.051	.066	.082	.101	.121	.144	.168	.194
(10 in. Inlet)		NC	—	—	.22	.26	.29	.32	.34	.37	.39
60 in.		TP	.027	.033	.043	.057	.067	.080	.097	.113	.130
(10 in. Inlet)		NC	—	—	—	—	.20	.23	.25	.28	.30

4 Slot

Capacity, cfm			240	280	320	360	400	440	480	520	560
Nom. Length	Throw	H	5-8-14	6-9-15	7-11-16	8-12-17	9-12-18	10-13-18	10-13-19	11-14-20	12-15-21
	ft	V	2-3-6	2-4-6	3-4-6	3-5-7	4-5-7	4-5-8	4-6-8	5-6-8	5-6-9
Nom. Length	Spread	H	7-12-21	9-13-22	10-16-24	12-18-25	13-18-27	15-19-27	15-19-28	16-21-30	18-22-31
	ft	V	3-4-8	3-5-8	4-5-8	4-6-9	5-6-9	5-6-10	5-8-10	6-8-10	6-8-12
36 in.		TP	.070	.096	.125	.159	.198	.239	.284	.333	.388
(8 in. Inlet)		NC	.21	.26	.30	.33	.37	.40	.42	.45	.47
48 in.		TP	.036	.051	.066	.081	.102	.123	.144	.171	.198
(10 in. Inlet)		NC	—	—	.21	.25	.28	.31	.34	.36	.39
60 in.		TP	.025	.036	.046	.057	.071	.086	.101	.120	.139
(10 in. Inlet)		NC	—	—	—	—	.20	.23	.26	.28	.31

Performance Notes:

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Horizontal (H) and vertical (V) throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum). Spread is the maximum width of the jet defined by the above terminal velocities.
- Throw values are based on full-open, one direction.
- Throw data is based on supply air and room air being at isothermal conditions.
- The NC values are based on a room absorption of 10 dB, re 10⁻¹² watts and one diffuser. The NC values are 10 lower with vertical projection.
- All pressures are in in. w.g.
- Spread and throw data applies to Models SDA and SDAI only.
- Blanks (—) indicate an NC level below 15.
- Associated SDS diffuser must be specified and ordered as a separate item.

Architectural Slot Diffusers SDS4 Series

Product Information

Models

Supply

1/2 in. [13] Slot Width	SDS450
3/4 in. [19] Slot Width	SDS475
1 in. [25] Slot Width	SDS4100

Supply with Insulated Plenum

1/2 in. [13] Slot Width	SDSI450
3/4 in. [19] Slot Width	SDSI475
1 in. [25] Slot Width	SDSI4100

Return

1/2 in. [13] Slot Width	SDR450
3/4 in. [19] Slot Width	SDR475
1 in. [25] Slot Width	SDR4100

Price SDS4 Series 4 way linear slot diffusers provide exceptional performance, superior design and crisp appearance for integration with ceiling tile. Designed for use in high performance VAV systems, the SDS4 provides full 180° air pattern adjustment and tight horizontal air patterns. Each slot is individually adjustable using a precisely curved, aerodynamically shaped pattern controller.

This unique design combines a ceiling tile (by others) that is field cut and placed into the face of the diffuser.

Extruded aluminum construction of the frame and slot spacers ensures the dimensional precision of the diffuser.

- Solid extruded aluminum construction.
- Modern architectural design; true flexibility of application.
- 180° air pattern adjustment and complete flow rate control with stable horizontal air pattern.
- Plenums standard on SDS4 and SDSI4.
- As an option, SDS4 is available without plenum.
- 3 and 4 slot models not available for 20 in. x 20 in. ceiling module.
- Available in 1 through 4 slots (one-piece) with three slot widths for low, medium and high capacity requirements.
- Matching return SDR4 supplied without pattern controllers and complete with sight baffle instead of plenum.

Finish

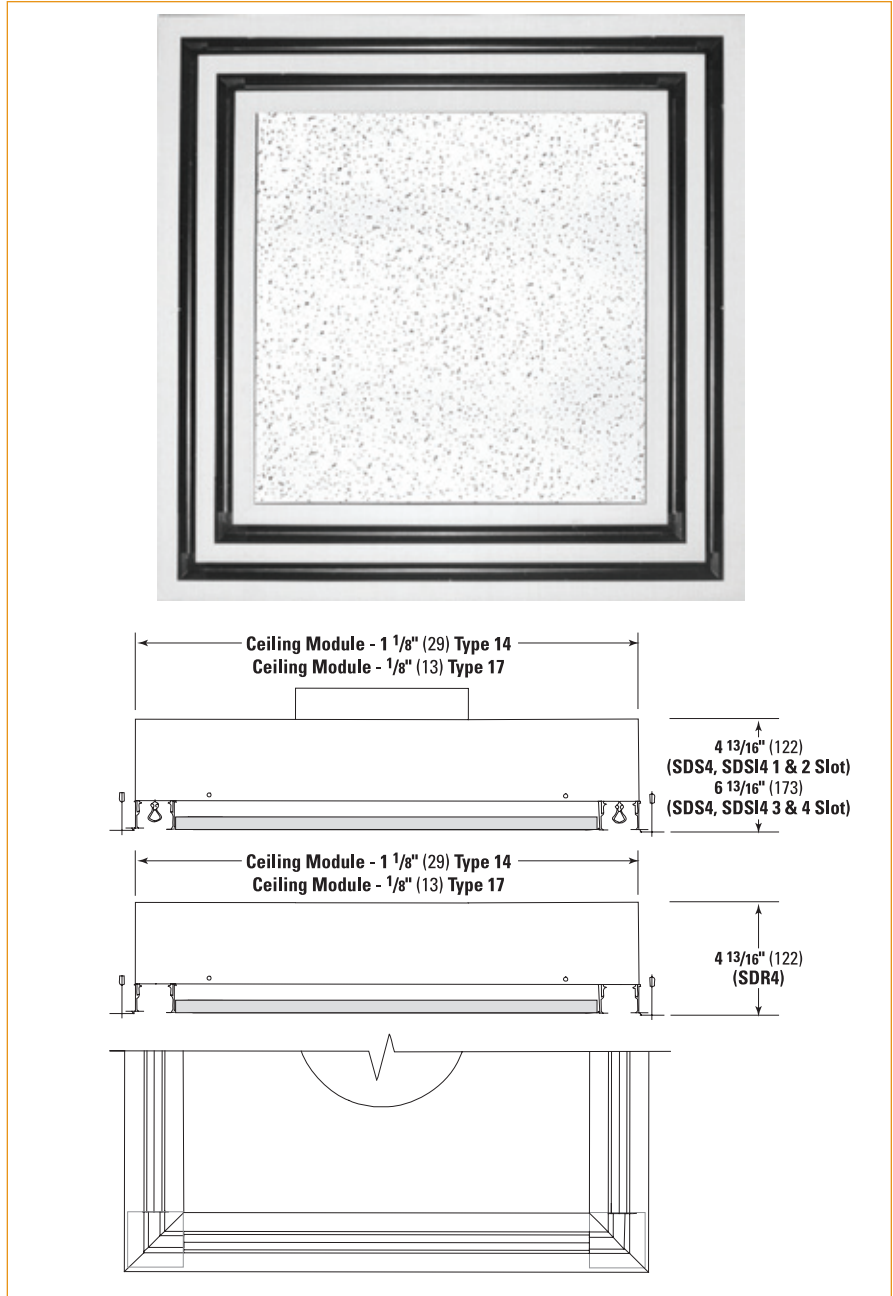
Face – White Powder Coat **B12**

For optional and special finishes see color matrix.

Available Sizes

Ceiling Module: 20 in. [508], **24 in.** [610], **30 in.** [762].

Inlets: 4 in., 5 in., 6 in., 7 in., 8 in., 10 in., 12 in., 14 in..



✓ Product Selection Checklist

- 1] Select Unit Size based on ceiling module.
- 2] Select Outlet Type by model number (slot width).
- 3] Select Desired Number of Slots.
- 4] Select Border Style based on installation requirements (page A68).
- 5] Specify Inlet Diameter.
- 6] Select Accessory Equalizing Core if desired (A49).
- 7] Select Finish.

Example: 24 in. x 24 in. / SDS4100 / 3 / 14 / 6 in. / B12

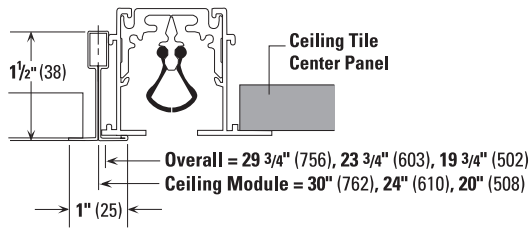
Application Recommendations:

T-bar Lay-in – 14 Border.

Available Types

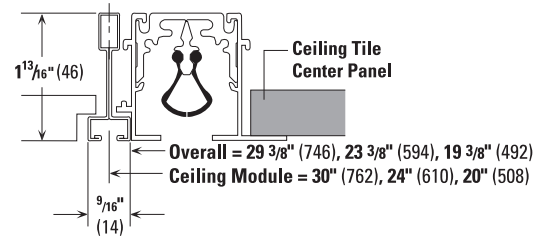
Type 14

Inverted T 1 in. [25]



Type 17

Narrow Member T 9/16 in. x 5/16 in. [14 x 8]



Ceiling Tile Cut Size

Ceiling tile (by others) is field cut. Ceiling tile dimensions depend on ceiling module size and number of diffuser slots:

Slot Qty	Model	Ceiling Tile Cut Size
1 Slot	SDS450	CM-4 1/4 in. [108] Square
	SDS475	CM-4 3/4 in. [121] Square
	SDS4100	CM-5 1/4 in. [133] Square
2 Slot	SDS450	CM-6 3/4 in. [171] Square
	SDS475	CM-7 3/4 in. [197] Square
	SDS4100	CM-8 3/4 in. [222] Square
3 Slot	SDS450	CM-9 1/4 in. [235] Square
	SDS475	CM-10 3/4 in. [273] Square
	SDS4100	CM-12 1/4 in. [311] Square
4 Slot	SDS450	CM-11 3/4 in. [298] Square
	SDS475	CM-13 3/4 in. [349] Square
	SDS4100	CM-15 3/4 in. [400] Square

Pattern Adjustment

One Slot



Horizontal Left



Dampered Horizontal Left

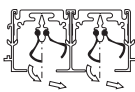


Fully Dampered

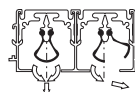


Vertical

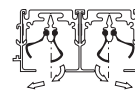
Multi Slot



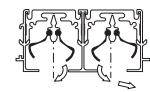
One Way



Vertical and Horizontal



Opposed



Opposed Unequal Flow (One Slot Dampered)

Linear Bar Grilles LBP Series

Product Information

Price LBP Series linear bar grilles feature precision aluminum construction for clean, crisp styling and efficient air distribution. LBP linear bar grilles are suitable for all ceiling, sidewall and sill applications.

- Extruded aluminum pressed core construction.
- Precision mitered corners.
- Core bars are supplied parallel to the long dimension.
- Core is fixed.
- Choice of ten core styles.
- Choice of four border widths and matching mounting frames.
- Choice of three fastening types.
- Wide variety of optional accessories.

Finish

Face – White Powder Coat **B12**
For optional and special finishes see color matrix.

Available Sizes

For linear bar grilles supplied as one unit:

	Min	Max
Length	4 in.	72 in.
Width	1.5 in.	18 in.

	Min	Max
Length	102mm	1829mm
Width	38mm	457mm

- Multiple units supplied complete with alignment splice plates.
- For grille face overall dimensions, see page A75.

Note:

- Not Suitable for floor application.
- Units wider than 18 in. are supplied in multiple sections with mounting channel(s).

Models

Narrow Spacing

¹ / ₄ in. [6] Spacing		
0° Deflection		LBP 15A
15° Deflection		LBP 16A

Wide Spacing

¹ / ₂ in. [13] Spacing		
0° Deflection		LBP 15B
15° Deflection		LBP 16B
¹ / ₂ in. [13] Spacing, ³ / ₁₆ in. [5] Bars		
0° Deflection		LBP 25B
15° Deflection		LBP 26B
30° Deflection		LBP 27B

Pencil Proof Spacing

⁷ / ₁₆ in. [11] Spacing, ³ / ₁₆ in. [5] Bars		
0° Deflection		LBP 25C
15° Deflection		LBP 26C
30° Deflection		LBP 27C



LBP 15A ¹/₄ in. [6] Blade Spacing (Top), **LBP 15B** ¹/₂ in. [13] Blade Spacing (bottom)

✓ Product Selection Checklist

- 1] Select Unit Size based on desired performance characteristics.
- 2] Select Outlet Type by model number (blade spacing, core style) (page A70).
- 3] Select Border or Border / Frame Style according to installation requirements (1000 is standard) (page A71).
- 4] Select Directional Vanes for air pattern control, if desired (page A87).
- 5] Select Damper Type, if desired (page A87)
- 6] Select Fastening Type (**A** is standard) (page A75).
- 7] Select Access Cores and/or Mitered Corner Modules, if desired (page A87).
- 8] Select Finish.

Example: 72 x 12 / LBP15A / 1000 / B12

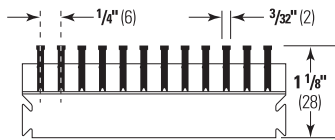
Application Recommendations:

Ceiling, Sidewall or Sill installations – **1000** Border, **A** Fastening.

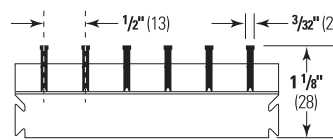
Available Cores

LINEAR DIFFUSERS AND GRILLES

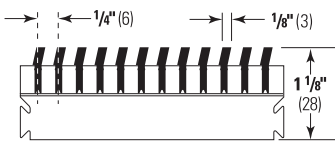
Narrow Bar Spacing
Core 15A 0° Deflection



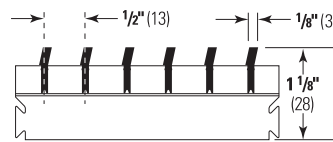
Wide Bar Spacing
Core 15B 0° Deflection



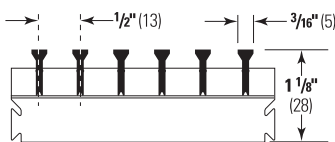
Core 16A 15° Deflection



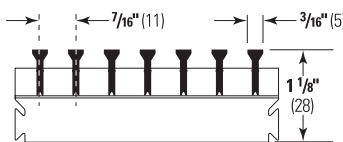
Core 16B 15° Deflection



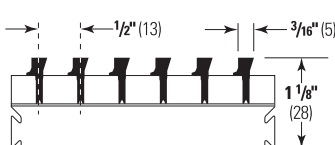
Core 25B 0° Deflection



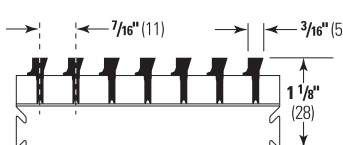
Pencil Proof Bar Spacing
Core 25C 0° Deflection



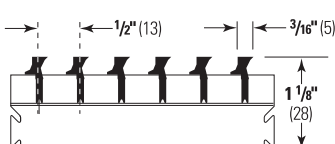
Core 26B 15° Deflection



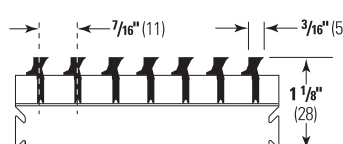
Core 26C 15° Deflection



Core 27B 30° Deflection



Pencil Proof Bar Spacing
Core 27C 30° Deflection



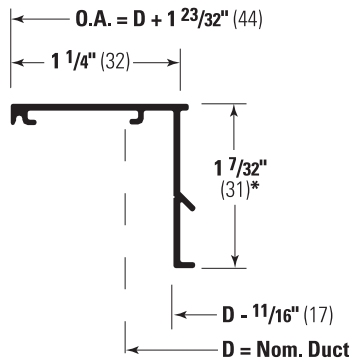
Expansion and Contraction of Aluminum Linear Grilles.

The expansion and contraction of aluminum linear grilles due to temperature differentials are shown in the frames on page A-74. For the most normal applications, the slight clearance which occurs when linear grilles are butted together is sufficient to account for the expansion and contraction of the diffusers. Alignment splice plates supplied with the diffusers help to maintain alignment of the adjacent sections as the cores expand and contract.

Available Borders / Frames
(Tabulated Overall Dimensions & Fastenings Page A75)

1250

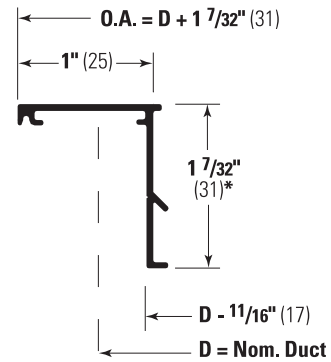
1 1/4 in. [32] Border Width



Type A or C fastening recommended for ceiling, sidewall or sill applications; Type B fastening (see Page A75) for sill applications only. Mounting frame (shown in white) optional.

1000

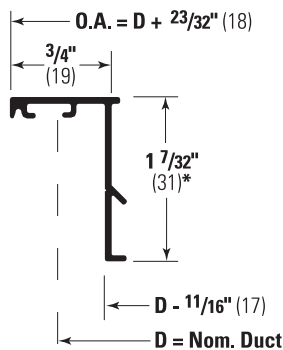
1 in. [25] Border Width



Standard—Type A or C fastening recommended for ceiling, sidewall or sill applications; Type B fastening (see Page A75) for sill applications only. Mounting frame (shown in white) optional.

750

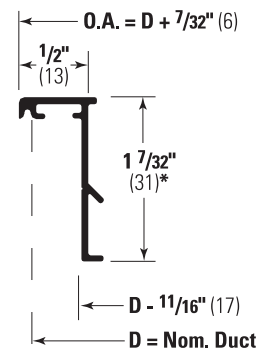
3/4 in. [19] Border Width



Type C fastening recommended for ceiling, sidewall or sill applications; Type B fastening (see Page A75) for sill applications only. Mounting frame optional.

500

1/2 in. [13] Border Width



Recommended for sidewall or sill applications only; Type D fastening (see Page A75) and mounting frame integral.

* 1 7/32 in. [31] stack depth c/w spacer bars 9 in. [227] o.c.

Heavy Duty Linear Bar Grilles LBPH Series



Product Information

Price LBPH Series linear bar grilles feature precision heavy duty aluminum construction for clean, crisp styling and efficient air distribution. LBPH linear bar grilles are recommended for use in floor (light foot traffic), sill, sidewall and ceiling applications.

- Extruded aluminum heavy duty pressed core construction.
- Heavy duty extruded aluminum border with reinforcing support bars.
- Precision mitered corners.
- Core bars are supplied parallel to the long dimension.
- Core is removable and supplied with core clips.
- Choice of ten core styles.*
- Choice of five border widths.
- Choice of three fastening types.
- Wide variety of optional accessories.

Finish

Face – White Powder Coat **B12**

For optional and special finishes see color matrix.

Available Sizes

For linear bar grilles supplied as one unit:

	Min	Max Floor	Max Sill
Length	4 in.	72 in.	72 in.
Width	1.5 in.	12 in.	18 in.

	Min	Max Floor	Max Sill
Length	102mm	1829mm	1829mm
Width	38mm	305mm	457mm

- Multiple units supplied complete with alignment splice plates.
- For grille face overall dimensions, see page A75.

Note:

- Units wider than 12 in. used in floor applications require additional structural support designed and installed by others.
- Units wider than 12 in. (floor) or 18 in. (sill) are supplied in multiple sections with mounting channel(s).

* Core styles 15B, 16B, 25B, 26B, 27B are not applicable to floor use - 1/2" (13) core bar spacing is not suitable for floor applications

Models

Narrow Spacing

1/4 in. [6] Spacing

- 0° Deflection
- 15° Deflection

LBPH 15A
LBPH 16A

Wide Spacing (Not for use in floor applications)

1/2 in. [13] Spacing

- 0° Deflection
- 15° Deflection

LBPH 15B
LBPH 16B

1/2 in. [13] Spacing, 3/16 in. [5] Bars

- 0° Deflection
- 15° Deflection
- 30° Deflection

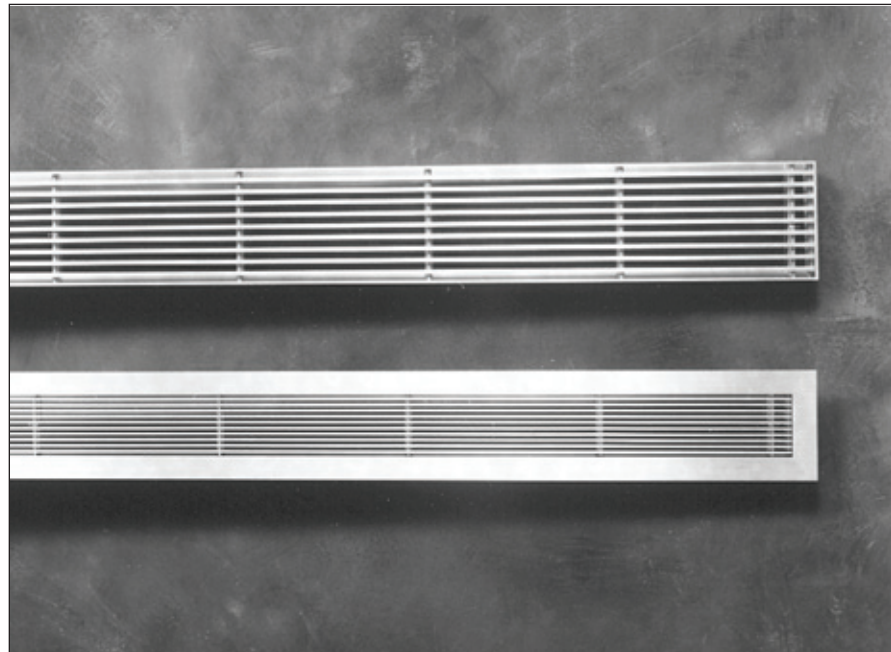
LBPH 25B
LBPH 26B
LBPH 27B

Pencil Proof Spacing

7/16 in. [11] Spacing, 3/16 in. [5] Bars

- 0° Deflection
- 15° Deflection
- 30° Deflection

LBPH 25C
LBPH 26C
LBPH 27C



LBPH 25B / LBPH 15A

✓ Product Selection Checklist

- 1] Select Outlet Type by model number (blade spacing, core style) (page A73).
- 2] Select Border Style according to installation requirements (**1000** is standard) (page A74).
- 3] Select Directional Vanes for air pattern control, if desired (page A87).
- 4] Select Damper Type, if desired (page A87)
- 5] Select Fastening Type (A is standard) (page A75).
- 6] Select Mitered Corner Modules, if desired (page A87).
- 7] Select Finish.

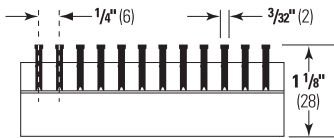
Example: 72 x 12 / LBPH15A / 1000 / B12

Application Recommendations:

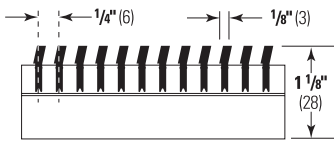
Ceiling, Sidewall or Sill installations – **1000** Border, **A** Fastening.

Available Cores

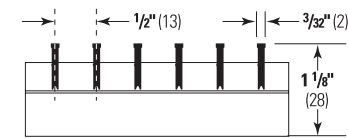
Narrow Bar Spacing
Core 15A 0° Deflection



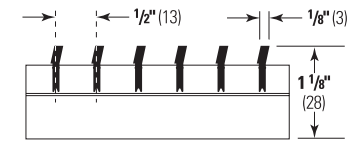
Core 16A 15° Deflection



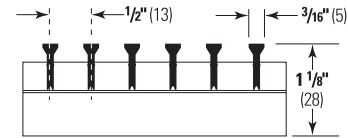
Wide Bar Spacing
Core 15B 0° Deflection



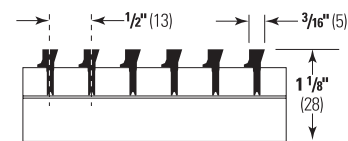
Core 16B 15° Deflection



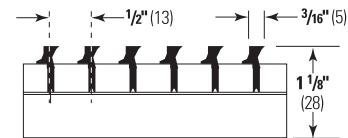
Core 25B 0° Deflection



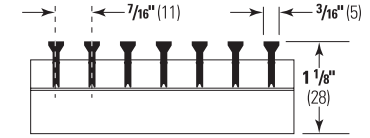
Core 26B 15° Deflection



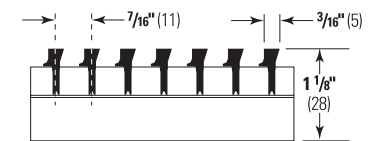
Core 27B 30° Deflection



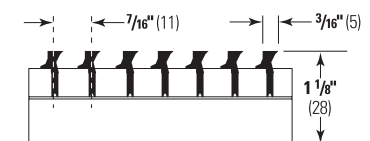
Pencil Proof Bar Spacing
Core 25C 0° Deflection



Core 26C 15° Deflection



Pencil Proof Bar Spacing
Core 27C 30° Deflection

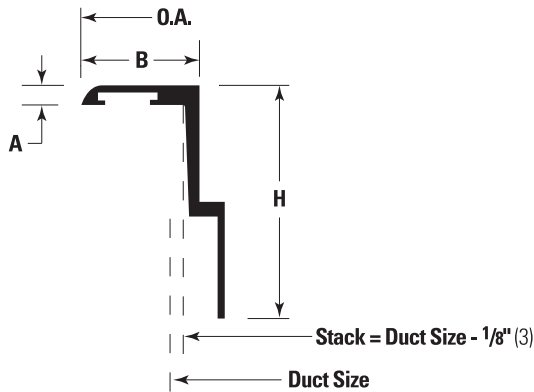


Core styles 15B, 16B, 25B, 26B, 27B are not applicable to floor use - 1/2" (13) core bar spacing is not suitable for floor applications

Available Borders / Frames

LINEAR DIFFUSERS AND GRILLES

Heavy Duty Flanged Border



Dimensional Data Imperial (in.)

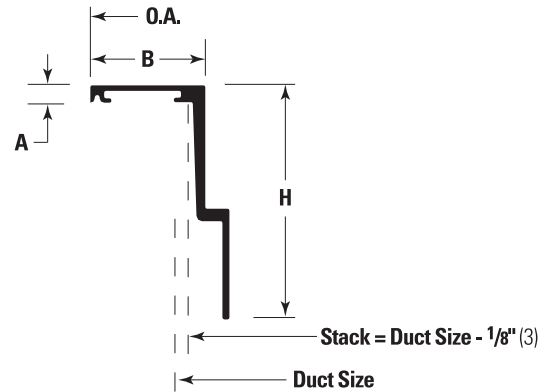
Border	B	H	A	O.A.
750	3/4"	2 1/8"	5/32"	D + 1 1/8"
1000	1"	2 1/8"	5/32"	D + 1 5/8"
1250	1 1/4"	2 1/8"	5/32"	D + 2 1/8"

Metric (mm)

Border	B	H	A	O.A.
750	19	54	4	D + 29
1000	25	54	4	D + 41
1250	32	54	4	D + 54

Three choices of heavy duty flanged borders available. Type 1000 is standard. Type A or C fastening (see Page A75) recommended for ceiling, sidewall or sill applications.

Heavy Duty Flanged Border



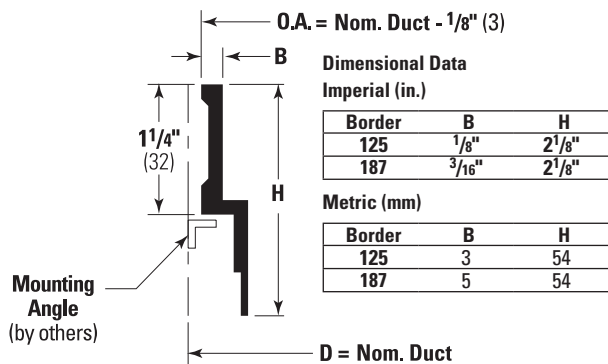
Dimensional Data Imperial (in.)

Border	B	H	A	O.A.
1000S	1"	2 1/8"	5/32"	D + 1 5/8"

Metric (mm)

Border	B	H	A	O.A.
1000S	25	54	4	D + 41

Heavy Duty Narrow Face Border



Dimensional Data Imperial (in.)

Border	B	H
125	1/8"	2 1/8"
187	3/16"	2 1/8"

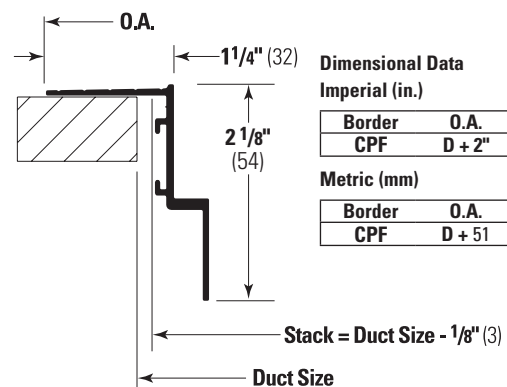
Metric (mm)

Border	B	H
125	3	54
187	5	54

Heavy duty flanged borders designed for flush recessed mounting in floors. Auxiliary support angles supplied and installed by others. May be installed in sidewalls or ceilings if flush recessed mounting desired.

Type C fastening (see Page A75) recommended for sidewall or ceiling applications.

Concealed Plaster Frame



Dimensional Data Imperial (in.)

Border	O.A.
CPF	D + 2"

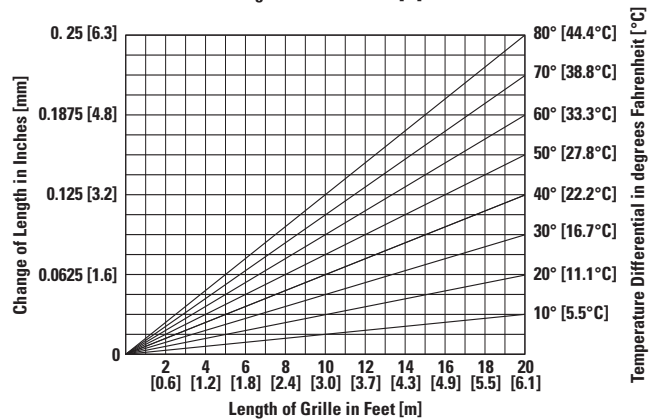
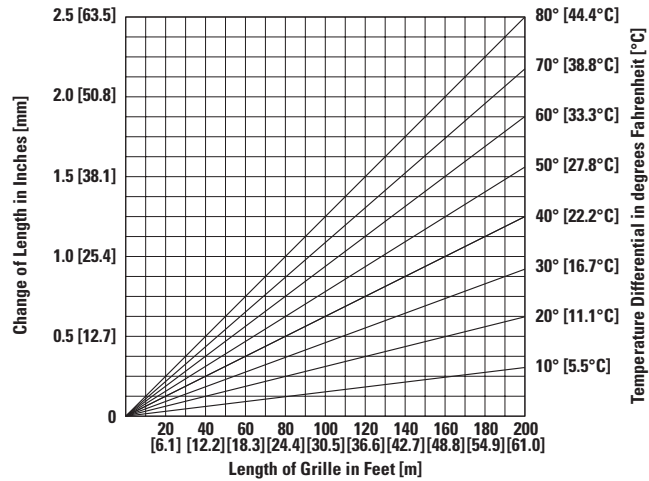
Metric (mm)

Border	O.A.
CPF	D + 51

Expansion and Contraction of Aluminum Linear Grilles

The expansion and contraction of aluminum linear grilles due to temperature differentials are shown in the frames on page A-74. For the most normal applications, the slight clearance which occurs when linear grilles are butted together is sufficient to account for the expansion and contraction of the diffusers. Alignment splice plates supplied with the diffusers help to maintain alignment of the adjacent sections as the cores expand and contract.

Expansion and contraction of aluminum linear grilles



Linear Bar Grilles

LBP / LBPH / LBMH Series



Grille Face Overall Dimension

LINEAR DIFFUSERS AND GRILLES

Imperial (in.)

LBP	Border					Border / Frame			
D = Listed Size	1250	1000	750	500	Core Only	1250F	1000F	750F	500F
1 1/2 in.	3 ⁷ / ₃₂ "	2 ²³ / ₃₂ "	2 ⁷ / ₃₂ "	1 ²³ / ₃₂ "	1 1/2 in.	3 ¹⁵ / ₁₆ "	3 ³ / ₈ "	2 ¹³ / ₁₆ "	1 ⁷ / ₈ "
2 in.	3 ²³ / ₃₂ "	3 ⁷ / ₃₂ "	2 ²³ / ₃₂ "	2 ⁷ / ₃₂ "	2 in.	4 ⁷ / ₁₆ "	3 ⁷ / ₈ "	3 ⁵ / ₁₆ "	2 ³ / ₈ "
2 1/2 in.	4 ⁷ / ₃₂ "	3 ²³ / ₃₂ "	3 ⁷ / ₃₂ "	2 ²³ / ₃₂ "	2 1/2 in.	4 ¹⁵ / ₁₆ "	4 ³ / ₈ "	3 ³ / ₁₆ "	2 ⁷ / ₈ "
3 in.	4 ²³ / ₃₂ "	4 ⁷ / ₃₂ "	3 ²³ / ₃₂ "	3 ⁷ / ₃₂ "	3 in.	5 ⁷ / ₁₆ "	4 ⁷ / ₈ "	4 ⁵ / ₁₆ "	3 ³ / ₈ "
3 1/2 in.	5 ⁷ / ₃₂ "	4 ²³ / ₃₂ "	4 ⁷ / ₃₂ "	3 ²³ / ₃₂ "	3 1/2 in.	5 ¹⁵ / ₁₆ "	5 ³ / ₈ "	4 ¹³ / ₁₆ "	3 ⁷ / ₈ "
4 in.	5 ²³ / ₃₂ "	5 ⁷ / ₃₂ "	4 ²³ / ₃₂ "	4 ⁷ / ₃₂ "	4 in.	6 ⁷ / ₁₆ "	5 ⁷ / ₈ "	5 ⁵ / ₁₆ "	4 ³ / ₈ "
5 in.	6 ²³ / ₃₂ "	6 ⁷ / ₃₂ "	5 ²³ / ₃₂ "	5 ⁷ / ₃₂ "	5 in.	7 ⁷ / ₁₆ "	6 ⁷ / ₈ "	6 ⁵ / ₁₆ "	5 ³ / ₈ "
6 in.	7 ²³ / ₃₂ "	7 ⁷ / ₃₂ "	6 ²³ / ₃₂ "	6 ⁷ / ₃₂ "	6 in.	8 ⁷ / ₁₆ "	7 ⁷ / ₈ "	7 ⁵ / ₁₆ "	6 ³ / ₈ "

Metric (mm)

LBP	Border					Border / Frame			
D = Listed Size	1250	1000	750	500	Core Only	1250F	1000F	750F	500F
38	82	69	56	43	38	100	86	71	48
51	94	82	69	56	51	113	98	84	60
63	107	94	82	69	63	125	111	81	73
76	120	107	94	82	76	138	124	110	86
89	132	120	107	94	89	151	137	122	98
102	145	132	120	107	102	164	149	135	111
127	170	158	145	132	127	189	175	160	137
152	196	183	170	158	152	214	200	186	162

Imperial (in.)

LBPH	Border					
D = Listed Size	1250	1000	750	187	125	CPF
1 1/2 in.	3 ⁵ / ₈ "	3 ¹ / ₈ "	2 ⁵ / ₈ "	—	—	—
2 in.	4 ¹ / ₈ "	3 ⁵ / ₈ "	3 ¹ / ₈ "	1 ⁷ / ₈ "	1 ⁷ / ₈ "	4"
2 1/2 in.	4 ⁵ / ₈ "	4 ¹ / ₈ "	3 ⁵ / ₈ "	2 ³ / ₈ "	2 ³ / ₈ "	4 1/2"
3 in.	5 ¹ / ₈ "	4 ⁵ / ₈ "	4 ¹ / ₈ "	2 ⁷ / ₈ "	2 ⁷ / ₈ "	5"
3 1/2 in.	5 ⁵ / ₈ "	5 ¹ / ₈ "	4 ⁵ / ₈ "	3 ³ / ₈ "	3 ³ / ₈ "	5 1/2"
4 in.	6 ¹ / ₈ "	5 ⁵ / ₈ "	5 ¹ / ₈ "	3 ⁷ / ₈ "	3 ⁷ / ₈ "	6"
5 in.	7 ¹ / ₈ "	6 ⁵ / ₈ "	6 ¹ / ₈ "	4 ⁷ / ₈ "	4 ⁷ / ₈ "	7"
6 in.	8 ¹ / ₈ "	7 ⁵ / ₈ "	7 ¹ / ₈ "	5 ⁷ / ₈ "	5 ⁷ / ₈ "	8"

Metric (mm)

LBPH	Border					
D = Listed Size	1250	1000	750	187	125	CPF
38	92	79	67	—	—	—
51	105	92	79	48	48	102
63	117	105	92	60	60	114
76	130	117	105	73	73	127
89	143	130	117	86	86	140
102	156	143	130	98	98	152
127	181	168	156	124	124	178
152	206	194	181	149	149	203

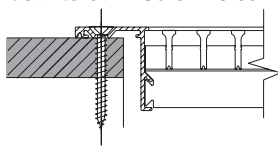
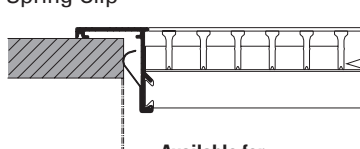
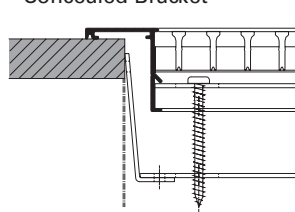
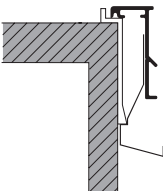
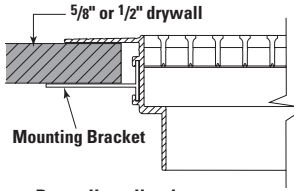
Imperial (in.)

LBMH	Border				
D = Listed Size	1000	750	500	187	125
1 1/2 in.	3 ¹ / ₈ "	2 ⁵ / ₈ "	1 ¹⁵ / ₁₆ "	—	—
2 in.	3 ⁵ / ₈ "	3 ¹ / ₈ "	2 ⁷ / ₁₆ "	1 ⁷ / ₈ "	1 ⁷ / ₈ "
2 1/2 in.	4 ¹ / ₈ "	3 ⁵ / ₈ "	2 ¹⁵ / ₁₆ "	2 ³ / ₈ "	2 ³ / ₈ "
3 in.	4 ⁵ / ₈ "	4 ¹ / ₈ "	3 ⁷ / ₁₆ "	2 ⁷ / ₈ "	2 ⁷ / ₈ "
3 1/2 in.	5 ¹ / ₈ "	4 ⁵ / ₈ "	3 ¹⁵ / ₁₆ "	3 ³ / ₈ "	3 ³ / ₈ "
4 in.	5 ⁵ / ₈ "	5 ¹ / ₈ "	4 ¹⁷ / ₁₆ "	3 ⁷ / ₈ "	3 ⁷ / ₈ "
5 in.	6 ⁵ / ₈ "	6 ¹ / ₈ "	5 ⁷ / ₁₆ "	4 ⁷ / ₈ "	4 ⁷ / ₈ "
6 in.	7 ⁵ / ₈ "	7 ¹ / ₈ "	6 ⁷ / ₁₆ "	5 ⁷ / ₈ "	5 ⁷ / ₈ "

Metric (mm)

LBMH	Border				
D = Listed Size	1000	750	500	187	125
38	79	41	49	—	—
51	92	54	62	48	48
63	105	67	75	60	60
76	117	79	87	73	73
89	130	92	100	86	86
102	143	105	113	98	98
127	168	130	138	124	124
152	194	156	164	149	149

Available Fastening Types

<p>Type A Countersunk Screwholes</p>  <p>Available for LBP, LBPH, LBMH</p>	<p>Type B Spring Clip</p>  <p>Available for LBP and LBPH only (Sill applications only.)</p>	<p>Type C Concealed Bracket</p>  <p>Available for LBP, LBPH, LBMH (Not available with LBP cores 15A, 16A, 26C & 27C)</p>
<p>Type D Spring Clip</p>  <p>Standard for 500F and LBP only (For Sidewall & Sill applications only.)</p>	<p>Type MP-DR Reversible Mounting Bracket</p>  <p>5/8" or 1/2" drywall</p> <p>Mounting Bracket</p> <p>Drywall application LBPH with CPF border only</p>	

LINEAR DIFFUSERS AND GRILLES

Linear Bar Grilles LBP / LBPH Series



Performance Data - Imperial Units - Core 15A

Size	Static Pressure		.011	.024	.044	.069	.098	.133	.175	.222
1 1/2 in.	Flow cfm / ft		12	19	25	31	37	43	50	56
	NC		—	—	—	19	24	28	32	35
	Throw	Sill or Floor	1-1-1	2-2-2	4-4-4	6-6-6	8-8-9	9-10-11	10-11-13	12-13-15
	ft	Sidewall	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25
2 in.	Flow cfm / ft		19	28	37	47	56	66	75	84
	NC		—	—	—	18	23	28	31	35
	Throw	Sill or Floor	1-1-1	4-4-4	6-6-6	9-9-9	11-11-12	12-13-15	14-15-17	15-17-19
	ft	Sidewall	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-29
2 1/2 in.	Flow cfm / ft		26	39	52	65	78	91	104	117
	NC		—	—	—	19	24	29	33	36
	Throw	Sill or Floor	1-1-1	5-5-5	8-8-8	10-10-11	13-14-15	15-16-17	16-18-20	20-20-21
	ft	Sidewall	4-6-8	6-9-12	8-12-16	10-15-20	13-18-24	15-21-27	16-22-30	20-27-34
3 in.	Flow cfm / ft		33	50	66	83	100	116	133	149
	NC		—	—	—	20	25	30	34	37
	Throw	Sill or Floor	2-2-2	6-6-6	9-9-10	12-12-13	15-16-17	18-19-20	20-21-22	23-23-23
	ft	Sidewall	4-6-9	7-10-14	9-13-18	12-17-22	15-20-25	18-23-29	20-26-33	23-30-37
3 1/2 in.	Flow cfm / ft		41	61	82	102	122	143	163	184
	NC		—	—	—	21	26	31	35	38
	Throw	Sill or Floor	2-2-2	7-7-7	10-10-11	15-15-15	17-18-19	20-21-22	22-23-24	25-25-26
	ft	Sidewall	5-7-10	8-11-15	10-15-20	15-19-24	17-22-27	20-25-31	22-28-35	25-32-39
4 in.	Flow cfm / ft		49	73	98	122	146	171	195	220
	NC		—	—	16	22	28	32	36	39
	Throw	Sill or Floor	3-3-3	8-8-8	12-12-13	15-15-16	19-19-20	21-22-23	24-24-25	26-26-27
	ft	Sidewall	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40
5 in.	Flow cfm / ft		63	94	125	157	188	220	251	282
	NC		—	—	16	22	27	32	36	39
	Throw	Sill or Floor	4-4-4	9-9-9	14-14-14	17-17-17	21-21-22	24-24-24	27-27-27	29-29-29
	ft	Sidewall	7-9-12	11-14-18	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43
6 in.	Flow cfm / ft		78	116	155	194	233	272	310	349
	NC		—	—	18	24	29	34	37	41
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-29	31-31-31
	ft	Sidewall	8-10-13	12-15-19	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-39-45

Performance Data - Imperial Units - Core 16A

For Performance Notes and Correction Factors, see page A108.

Size	Static Pressure		.013	.027	.050	.079	.111	.151	.199	.252
1 1/2 in.	Flow cfm / ft		14	20	27	34	41	48	54	61
	NC		—	—	22	29	34	38	42	45
	Throw	Sill or Floor	1-1-1	3-3-3	4-4-4	7-7-7	9-9-10	10-11-12	12-13-15	13-14-16
	ft	Sidewall	2-4-6	4-7-10	6-10-14	7-12-17	9-14-20	10-16-22	12-18-25	13-20-27
2 in.	Flow cfm / ft		20	29	39	49	59	69	78	88
	NC		—	—	20	26	31	36	40	43
	Throw	Sill or Floor	1-1-1	4-4-4	6-6-6	9-9-9	11-11-12	12-13-15	14-16-18	15-17-19
	ft	Sidewall	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30
2 1/2 in.	Flow cfm / ft		26	39	52	65	78	91	104	117
	NC		—	—	20	26	31	36	40	43
	Throw	Sill or Floor	1-1-1	5-5-5	8-8-8	10-10-11	13-14-15	14-15-17	17-18-20	19-20-21
	ft	Sidewall	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33
3 in.	Flow cfm / ft		33	49	66	82	98	115	131	148
	NC		—	—	20	26	31	36	40	43
	Throw	Sill or Floor	2-2-2	6-6-6	9-9-9	12-12-13	15-15-16	17-18-19	20-21-22	21-22-23
	ft	Sidewall	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35
3 1/2 in.	Flow cfm / ft.		40	59	79	99	119	138	158	178
	NC		—	—	20	27	32	36	40	43
	Throw	Sill or Floor	2-2-2	8-8-8	11-11-11	13-13-14	16-17-18	19-20-21	22-22-23	23-24-25
	ft	Sidewall	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37
4 in.	Flow cfm / ft		47	70	94	117	140	164	187	220
	NC		—	—	21	27	33	37	41	44
	Throw	Sill or Floor	3-3-3	9-9-9	12-12-12	15-15-15	18-19-20	21-21-22	23-24-25	25-25-26
	ft	Sidewall	5-7-10	9-12-15	12-16-20	15-19-24	19-23-28	21-26-32	23-29-35	25-32-39
5 in.	Flow cfm / ft		61	91	121	152	182	212	243	274
	NC		—	—	22	28	33	38	42	45
	Throw	Sill or Floor	3-3-3	9-9-9	13-13-13	16-16-17	20-20-21	23-23-24	25-25-26	28-28-28
	ft	Sidewall	7-9-12	10-13-17	14-18-22	16-21-26	20-25-30	23-28-34	25-31-37	28-34-41
6 in.	Flow cfm / ft		74	111	149	186	223	260	298	335
	NC		—	—	22	29	34	39	42	46
	Throw	Sill or Floor	4-4-4	10-10-10	14-14-14	18-18-18	22-22-22	25-25-25	28-28-28	30-30-30
	ft	Sidewall	8-10-13	11-14-18	15-19-23	19-23-27	23-27-31	25-30-35	28-33-39	31-37-43

Linear Bar Grilles LBP / LBPH Series



Performance Data - Imperial Units - Core 15B

Size	Static Pressure		.009	.020	.036	.057	.080	.109	.143	.182
1 1/2 in.	Flow cfm / ft		14	21	28	35	42	49	56	63
	NC		—	—	16	22	27	31	35	38
	Throw	Sill	1-1-1	2-2-2	4-4-4	7-7-7	8-9-10	10-11-12	11-12-14	12-14-17
	ft	Sidewall	2-4-6	4-7-10	6-7-13	7-12-17	8-13-19	10-16-22	11-17-24	12-19-26
2 in.	Flow cfm / ft		22	33	44	55	66	77	88	99
	NC		—	—	—	18	23	27	31	34
	Throw	Sill	1-1-1	4-4-4	7-7-7	9-9-10	11-11-12	13-14-16	14-16-18	15-17-20
	ft	Sidewall	3-5-7	5-8-12	7-11-16	9-14-20	11-17-23	13-19-26	14-21-28	15-22-30
2 1/2 in.	Flow cfm / ft		30	44	59	74	89	104	118	133
	NC		—	—	—	17	22	26	30	33
	Throw	Sill	1-1-1	5-5-5	9-9-9	11-11-12	13-14-15	15-16-17	18-19-20	20-21-23
	ft	Sidewall	4-6-8	6-9-13	9-13-17	11-16-21	13-18-24	15-21-28	17-24-31	20-27-35
3 in.	Flow cfm / ft		38	58	77	96	115	134	154	173
	NC		—	—	—	17	22	26	30	33
	Throw	Sill	2-2-2	7-7-7	10-10-11	12-13-14	15-16-17	18-19-20	20-21-23	23-24-25
	ft	Sidewall	5-7-10	7-10-14	10-14-19	12-17-23	15-20-26	18-24-30	20-27-34	23-30-38
3 1/2 in.	Flow cfm / ft		46	69	93	116	139	162	186	209
	NC		—	—	—	17	22	26	30	33
	Throw	Sill	3-3-3	8-8-8	12-12-12	15-15-16	18-19-20	20-21-23	23-24-25	25-26-27
	ft	Sidewall	5-7-10	9-12-16	12-16-20	15-20-25	18-23-28	20-26-32	23-29-36	25-32-40
4 in.	Flow cfm / ft		56	83	111	139	167	195	222	250
	NC		—	—	—	18	23	27	31	34
	Throw	Sill	3-3-3	9-9-9	13-13-13	16-16-17	20-20-21	22-23-24	24-25-26	27-27-27
	ft	Sidewall	6-8-11	10-13-17	13-17-21	16-20-25	20-25-30	22-28-34	24-30-37	28-35-42
5 in.	Flow cfm / ft		72	107	143	179	215	250	286	322
	NC		—	—	—	18	23	27	31	34
	Throw	Sill	4-4-4	10-10-10	14-14-14	18-18-18	22-22-23	24-24-24	27-27-28	30-30-31
	ft	Sidewall	8-10-13	11-14-18	15-19-23	18-22-27	22-27-32	24-30-36	27-33-40	30-37-44
6 in.	Flow cfm / ft		88	133	177	221	265	310	354	398
	NC		—	—	—	19	24	28	32	35
	Throw	Sill	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-28	31-31-31
	ft	Sidewall	9-12-15	13-16-20	16-20-24	20-24-29	24-29-34	28-33-39	30-35-41	34-40-46

For Performance Notes and Correction Factors, see page A108.

Performance Data - Imperial Units - Core 16B

Size	Static Pressure		.009	.020	.036	.057	.080	.109	.143	.182
1 1/2 in.	Flow cfm / ft		16	23	31	39	47	55	62	70
	NC		—	17	26	32	37	42	46	49
	Throw	Sill	1-1-1	3-3-3	5-5-5	8-8-8	9-9-10	10-11-13	12-13-15	13-15-17
	ft	Sidewall	2-4-6	4-7-10	6-10-14	8-13-18	9-14-20	10-16-23	12-18-25	13-20-27
2 in.	Flow cfm / ft		22	34	45	56	67	78	90	101
	NC		—	—	19	25	30	35	39	43
	Throw	Sill	1-1-1	4-4-4	7-7-7	9-9-10	11-12-13	12-14-16	14-16-18	15-17-20
	ft	Sidewall	3-5-7	5-8-12	7-11-16	9-14-20	11-17-23	12-18-25	14-20-27	15-22-30
2 1/2 in.	Flow cfm / ft		30	45	60	75	90	105	120	135
	NC		—	—	18	24	29	34	38	42
	Throw	Sill	1-1-1	5-5-5	8-8-9	11-11-12	13-14-15	15-16-18	17-19-21	20-21-22
	ft	Sidewall	4-6-8	6-9-13	8-12-17	11-16-21	13-19-25	15-21-27	17-24-31	20-27-35
3 in.	Flow cfm / ft		37	56	74	93	112	130	149	167
	NC		—	—	17	23	28	33	37	41
	Throw	Sill	2-2-2	6-6-6	10-10-10	12-12-13	15-16-17	18-19-20	20-21-23	23-23-24
	ft	Sidewall	4-6-9	7-10-14	10-13-18	12-17-22	15-20-26	18-24-30	20-26-33	23-30-37
3 1/2 in.	Flow cfm / ft		45	68	90	113	136	158	181	203
	NC		—	—	17	23	28	33	37	41
	Throw	Sill	2-2-2	7-7-7	12-12-12	14-14-15	17-18-19	20-21-22	22-23-24	25-25-26
	ft	Sidewall	5-7-10	8-11-15	12-16-20	14-18-23	17-22-27	20-25-31	22-28-35	25-32-39
4 in.	Flow cfm / ft		53	80	106	133	160	186	212	239
	NC		—	—	18	24	29	34	38	42
	Throw	Sill	3-3-3	8-8-9	13-13-13	15-15-16	19-19-20	22-22-23	24-24-25	26-26-27
	ft	Sidewall	6-8-11	9-12-16	13-17-21	15-19-24	19-24-29	22-27-33	24-30-36	25-33-40
5 in.	Flow cfm / ft		69	104	138	173	208	242	277	312
	NC		—	—	18	24	29	34	38	42
	Throw	Sill	4-4-4	9-9-9	14-14-14	17-17-17	20-21-22	24-24-24	26-26-27	29-29-29
	ft	Sidewall	8-10-13	11-14-18	15-19-23	17-21-26	20-25-31	24-29-35	26-33-38	29-35-42
6 in.	Flow cfm / ft		85	127	170	212	254	296	339	382
	NC		—	—	18	24	29	34	38	42
	Throw	Sill	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-28	30-30-30
	ft	Sidewall	9-11-14	13-16-20	16-20-24	20-24-28	23-27-32	25-30-36	28-33-39	31-37-43

Linear Bar Grilles LBP / LBPH Series



Performance Data - Imperial Units - Core 25B / 25C

Size	Static Pressure		.010	.022	.040	.063	.089	.121	.159	.202		
1 1/2 in.	Flow cfm / ft		10	16	21	26	31	36	42	47		
	NC		—	—	—	19	24	29	33	36		
	Throw	Sill or Floor*	1-1-1	2-2-2	4-4-4	7-7-7	8-9-10	10-11-12	11-12-14	12-14-16		
2 in.	Flow cfm / ft		18	27	36	45	54	63	72	81		
	NC		—	—	—	18	23	28	32	35		
	Throw	Sill or Floor*	1-1-1	4-4-4	7-7-7	9-9-10	10-11-13	13-14-16	14-16-18	15-17-20		
2 1/2 in.	Flow cfm / ft		26	40	53	66	79	92	106	119		
	NC		—	—	—	20	25	30	34	37		
	Throw	Sill or Floor*	2-2-2	6-6-6	8-8-9	11-12-13	13-14-16	15-17-19	18-20-22	21-22-23		
3 in.	Flow cfm / ft		35	53	70	88	106	123	141	158		
	NC		—	—	—	21	26	31	35	38		
	Throw	Sill or Floor*	2-2-2	7-7-7	10-10-11	12-13-15	15-16-18	18-19-21	20-22-24	24-24-25		
3 1/2 in.	Flow cfm / ft		44	66	88	110	132	154	176	198		
	NC		—	—	16	22	27	32	36	39		
	Throw	Sill or Floor*	3-3-3	8-8-8	12-12-12	15-15-16	18-19-20	20-21-22	23-24-25	25-26-27		
4 in.	Flow cfm / ft		53	80	106	133	160	186	213	239		
	NC		—	—	17	23	28	33	37	40		
	Throw	Sill or Floor*	3-3-3	9-9-9	13-13-13	16-16-17	20-20-21	22-23-24	24-25-26	28-28-28		
5 in.	Flow cfm / ft		71	106	142	177	212	248	283	318		
	NC		—	—	18	24	29	34	38	41		
	Throw	Sill or Floor*	4-4-4	10-10-10	15-15-15	18-18-18	22-22-23	25-25-25	27-27-28	30-30-30		
6 in.	Flow cfm / ft		89	133	178	222	266	310	355	400		
	NC		—	—	19	25	30	35	39	42		
	Throw	Sill or Floor*	5-5-5	10-10-10	15-15-15	19-19-19	23-23-23	25-25-25	29-29-29	31-31-31		
			ft	Sidewall	9-11-14	13-16-20	16-20-24	20-24-29	24-29-34	28-33-39	30-35-41	34-40-46

* 1/2" core spacing (25B) not for use in floor applications.

For Performance Notes and Correction Factors, see page A108.

Performance Data - Imperial Units - Core 26B / 26C

Size	Static Pressure		.012	.026	.048	.076	.107	.145	.191	.242		
1 1/2 in.	Flow cfm / ft		12	19	25	31	37	43	50	56		
	NC		—	16	24	31	36	41	45	48		
	Throw	Sill or Floor*	1-1-1	3-3-3	5-5-5	7-7-7	9-9-10	10-11-12	12-13-15	13-15-17		
2 in.	Flow cfm / ft		19	29	38	48	58	67	77	86		
	NC		—	—	19	26	31	36	40	43		
	Throw	Sill or Floor*	1-1-1	4-4-4	7-7-7	9-9-10	11-12-13	14-14-15	15-16-18	16-18-20		
2 1/2 in.	Flow cfm / ft		27	40	54	67	80	94	107	120		
	NC		—	—	19	26	31	36	40	43		
	Throw	Sill or Floor*	1-1-1	5-5-5	9-9-9	11-11-12	13-14-15	15-16-18	17-19-21	20-21-22		
3 in.	Flow cfm / ft		34	52	69	86	103	120	138	155		
	NC		—	—	19	26	31	36	40	43		
	Throw	Sill or Floor*	2-2-2	6-6-6	10-10-11	12-13-14	15-16-18	18-19-20	20-21-23	23-24-25		
3 1/2 in.	Flow cfm / ft		42	63	84	105	126	147	168	189		
	NC		—	—	20	27	32	37	41	44		
	Throw	Sill or Floor*	2-2-2	8-8-8	11-11-12	15-15-15	17-18-19	21-21-22	22-23-25	25-25-26		
4 in.	Flow cfm / ft		51	76	102	127	152	178	203	228		
	NC		—	—	21	28	33	38	42	45		
	Throw	Sill or Floor*	3-3-3	9-9-9	13-13-13	16-16-17	19-20-21	22-22-23	24-25-26	27-27-27		
5 in.	Flow cfm / ft		67	100	134	167	200	234	267	301		
	NC		—	—	21	28	33	38	42	45		
	Throw	Sill or Floor*	4-4-4	10-10-10	14-14-14	18-18-18	21-21-22	24-24-25	26-27-28	30-30-30		
6 in.	Flow cfm / ft		84	126	168	210	252	294	336	378		
	NC		—	—	23	30	35	40	44	47		
	Throw	Sill or Floor*	5-5-5	10-10-10	15-15-15	19-19-19	23-23-23	25-25-25	28-28-29	31-31-31		
			ft	Sidewall	9-12-15	14-17-21	17-21-25	20-24-29	24-29-34	27-32-38	29-35-41	32-38-44

* 1/2" core spacing (26B) not for use in floor applications.

Linear Bar Grilles LBP / LBPH Series



Performance Data - Imperial Units - Core 27B / 27C

Size	Static Pressure	.012	.026	.048	.076	.107	.145	.191	.242	
1 1/2 in.	Flow cfm / ft	13	19	26	32	38	45	51	58	
	NC	—	16	24	31	36	41	45	48	
	Throw	Sill or Floor*	1-1-1	2-2-2	4-4-4	6-6-6	8-8-9	9-10-11	10-11-13	12-13-15
2 in.	ft	Sidewall	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25
	Flow cfm / ft	19	29	38	48	58	67	77	86	
	NC	—	—	20	26	31	36	40	43	
2 1/2 in.	Throw	Sill or Floor*	1-1-1	4-4-4	6-6-6	9-9-9	11-11-12	12-13-15	14-15-17	15-17-19
	ft	Sidewall	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30
	Flow cfm / ft	26	39	52	65	77	91	104	117	
3 in.	NC	—	—	20	26	31	36	40	43	
	Throw	Sill or Floor*	1-1-1	5-5-5	8-8-8	10-10-11	13-14-15	15-16-17	16-18-20	20-20-21
	ft	Sidewall	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33
3 1/2 in.	Flow cfm / ft	33	50	66	83	100	116	133	149	
	NC	—	—	20	26	31	36	40	43	
	Throw	Sill or Floor*	2-2-2	6-6-6	9-9-10	12-12-13	15-16-17	18-19-20	20-21-22	23-23-23
4 in.	ft	Sidewall	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35
	Flow cfm / ft	40	60	80	100	120	140	160	180	
	NC	—	—	20	27	32	36	40	43	
5 in.	Throw	Sill or Floor*	2-2-2	7-7-7	10-10-11	15-15-15	17-18-19	20-21-22	22-23-24	25-25-26
	ft	Sidewall	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37
	Flow cfm / ft	49	73	97	122	146	171	195	219	
6 in.	NC	—	—	21	27	33	37	41	44	
	Throw	Sill or Floor*	3-3-3	8-8-8	12-12-13	15-15-16	19-19-20	21-22-23	24-24-25	26-26-27
	ft	Sidewall	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40
7 in.	Flow cfm / ft	63	95	126	158	190	221	253	284	
	NC	—	—	22	28	33	38	42	45	
	Throw	Sill or Floor*	4-4-4	9-9-9	14-14-14	17-17-17	21-21-22	24-24-24	27-27-27	29-29-29
8 in.	ft	Sidewall	7-9-12	11-14-19	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43
	Flow cfm / ft	76	114	152	190	228	266	304	342	
	NC	—	—	22	29	34	39	42	46	
9 in.	Throw	Sill or Floor*	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-28	31-31-31
	ft	Sidewall	8-10-13	12-15-18	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-39-45

* 1/2" core spacing (27B) not for use in floor applications.

Performance Notes

Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."

1. Pressure

All pressures are in in. w.g.

2. Throw

Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).

These throw values are based on a 4 ft active section of grille with a cooling temperature differential of 20 °F. The multiplier factors listed in the table below are applicable for other lengths.

Throw Correction for Length

(Multiply)

Active Length	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft	0.5	0.6	0.7
10 ft or Continuous	1.6	1.4	1.2

3. Sound

The NC values are based on a room absorption of 10 dB, re 10⁻¹² watts and a 10 ft active section.

The NC correction values for other lengths are listed in the table below.

NC Correction for Length

Active Length, ft	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

4. Return Air Applications

When used as a return air intake, the NC value given in the performance table will be increased by 4.

For return air application, the negative static pressure will be 0.8 times the static pressure value as shown in the performance table.

- Blank (—) spaces indicate an NC level below 15.
- 1/2" core spacing (15B, 16B, 25B, 26B, 27B) not for use in floor applications.

Linear Bar Grilles LBP / LBPH Series



Performance Data - Metric Units - Core 15A

Size	Static Pressure (Pa)		3	6	11	17	24	33	44	55
38 mm	L/S/m		19	29	39	48	57	67	77	87
	NC		-	-	-	19	24	28	32	35
	Throw (m)	Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-2.7-4.0	2.1-3.4-4.9	2.4-4.0-5.8	2.7-4.6-6.4	3.0-4.9-7.0	3.7-5.5-7.6
51 mm	L/S/m		29	43	57	73	87	102	116	130
	NC		-	-	-	18	23	28	31	35
	Throw (m)	Side Wall	0.9-1.5-2.1	1.5-2.4-3.4	2.1-3.4-4.6	2.7-4.3-5.8	3.4-4.9-6.7	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-8.8
63 mm	L/S/m		40	60	81	101	121	141	161	181
	NC		-	-	-	19	24	29	33	36
	Throw (m)	Side Wall	1.2-1.8-2.4	1.8-2.7-3.7	2.4-3.7-4.9	3.0-4.6-6.1	4.0-5.5-7.3	4.6-6.4-8.2	4.9-6.7-9.1	6.1-8.2-10.4
76 mm	L/S/m		51	77	102	129	155	180	206	231
	NC		-	-	-	20	25	30	34	35
	Throw (m)	Side Wall	1.2-1.8-2.7	2.1-3.0-4.3	2.7-4.0-5.5	3.7-5.2-6.7	4.6-6.1-7.6	5.5-7.0-8.8	6.1-7.9-10.1	7.0-9.1-11.3
89 mm	L/S/m		64	94	127	158	189	222	252	285
	NC		-	-	-	21	26	31	35	38
	Throw (m)	Side Wall	1.5-2.1-3.0	2.4-3.4-4.6	3.0-4.6-6.1	4.6-5.8-7.3	5.2-6.7-8.2	6.1-7.6-9.4	6.7-8.5-10.7	7.6-9.8-11.9
100 mm	L/S/m		76	113	152	189	226	265	302	341
	NC		-	-	16	22	28	32	36	39
	Throw (m)	Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.8-7.3-8.8	6.4-7.9-9.8	7.3-9.1-11.0	7.9-10.1-12.2
125 mm	L/S/m		98	146	194	243	291	341	389	437
	NC		-	-	16	22	27	32	36	39
	Throw (m)	Side Wall	2.1-2.7-3.7	3.4-4.3-5.5	4.3-5.5-6.7	5.2-6.4-7.9	6.4-7.9-9.4	7.3-8.8-10.7	8.2-10.1-11.9	9.1-11.0-13.1
150 mm	L/S/m		121	180	240	301	361	421	480	541
	NC		-	-	18	24	29	34	37	41
	Throw (m)	Side Wall	2.4-3.0-4.0	3.7-4.6-5.8	4.6-5.8-7.0	6.1-7.3-8.5	7.0-8.2-9.8	7.9-9.4-11.3	8.8-10.4-12.2	10.1-11.9-13.7

For Performance Notes and Correction Factors, see page A112.

Performance Data - Metric Units - Core 16A

Size	Static Pressure (Pa)		3	7	12	20	28	38	50	63
38 mm	L/S/m		22	31	42	53	64	74	84	94
	NC		-	-	22	29	34	38	42	45
	Throw (m)	Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-3.0-4.3	2.1-3.7-5.2	2.7-4.3-6.1	3.0-4.9-6.7	3.7-5.5-7.6	4.0-6.1-8.2
51 mm	L/S/m		31	45	60	76	91	107	121	136
	NC		-	-	20	26	31	36	40	43
	Throw (m)	Side Wall	0.9-1.5-2.1	1.5-2.4-3.4	2.1-3.4-4.6	2.7-4.3-5.8	3.4-4.9-6.7	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-9.1
63 mm	L/S/m		40	60	81	101	121	141	161	181
	NC		-	-	20	26	31	36	40	43
	Throw (m)	Side Wall	1.2-1.8-2.4	1.8-2.7-3.7	2.4-3.7-4.9	3.0-4.6-6.1	4.0-5.8-7.3	4.3-6.1-7.9	5.2-7.0-9.1	5.8-7.9-10.1
76 mm	L/S/m		51	76	102	127	152	178	203	229
	NC		-	-	20	26	31	36	40	43
	Throw (m)	Side Wall	1.2-1.8-2.7	2.1-3.0-4.0	2.7-4.0-5.2	3.7-4.9-6.4	4.6-6.1-7.6	5.2-6.7-8.5	6.1-7.9-9.8	6.4-8.5-10.7
89 mm	L/S/m		62	91	122	153	184	214	245	276
	NC		-	-	20	27	32	36	40	43
	Throw (m)	Side Wall	1.5-2.1-2.7	2.4-3.4-4.3	3.4-4.6-5.8	4.0-5.2-6.7	4.9-6.4-7.9	5.8-7.3-9.1	6.7-8.5-10.4	7.0-9.1-11.3
100 mm	L/S/m		73	108	146	181	217	254	290	341
	NC		-	-	21	27	33	37	41	44
	Throw (m)	Side Wall	1.5-2.1-3.0	2.7-3.7-4.6	3.7-4.9-6.1	4.6-5.8-7.3	5.8-7.0-8.5	6.4-7.9-9.8	7.0-8.8-10.7	7.6-9.8-11.9
125 mm	L/S/m		94	141	187	235	282	328	376	424
	NC		-	-	22	28	33	38	42	45
	Throw (m)	Side Wall	2.1-2.7-3.7	3.0-4.0-5.2	4.3-5.5-6.7	4.9-6.4-7.9	6.1-7.6-9.1	7.0-8.5-10.4	7.6-9.4-11.3	8.5-10.4-12.5
150 mm	L/S/m		115	172	231	288	345	403	462	519
	NC		-	-	22	29	34	39	42	46
	Throw (m)	Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.8-7.0-8.2	7.0-8.2-9.4	7.6-9.1-10.7	8.5-10.1-11.9	9.4-11.3-13.1

For Performance Notes and Correction Factors, see page A112.

Linear Bar Grilles LBP / LBPH Series



Performance Data - Metric Units - Core 15B

Size	Static Pressure (Pa)	2	5	9	14	20	27	36	45
38 mm	L/S/m	22	33	43	54	65	76	87	98
	NC	-	-	16	22	27	31	35	38
	Throw (m) Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-2.1-4.0	2.1-3.7-5.2	2.4-4.0-5.8	3.0-4.9-6.7	3.4-5.2-7.3	3.7-5.8-7.9
51 mm	L/S/m	34	51	68	85	102	119	136	153
	NC	-	-	-	18	23	27	31	34
	Throw (m) Side Wall	0.9-1.5-2.1	1.5-2.4-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.4-5.2-7.0	4.0-5.8-7.9	4.3-6.4-8.5	4.6-6.7-9.1
63 mm	L/S/m	46	68	91	115	138	161	183	206
	NC	-	-	-	17	22	26	30	33
	Throw (m) Side Wall	1.2-1.8-2.4	1.8-2.7-4.0	2.7-4.0-5.2	3.4-4.9-6.4	4.0-5.5-7.3	4.6-6.4-8.5	5.2-7.3-9.4	6.1-8.2-10.7
76 mm	L/S/m	59	90	119	149	178	208	239	268
	NC	-	-	-	17	22	26	30	33
	Throw (m) Side Wall	1.5-2.1-3.0	2.1-3.0-4.3	3.0-4.3-5.8	3.7-5.2-7.0	4.6-6.1-7.9	5.5-7.3-9.1	6.1-8.2-10.4	7.0-9.1-11.6
89 mm	L/S/m	71	107	144	180	215	251	288	324
	NC	-	-	-	17	22	26	30	33
	Throw (m) Side Wall	1.5-2.1-3.0	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.5-7.0-8.5	6.1-7.9-9.8	7.0-8.8-11.0	7.6-9.8-12.2
100 mm	L/S/m	87	129	172	215	259	302	344	387
	NC	-	-	-	18	23	27	31	34
	Throw (m) Side Wall	1.8-2.4-3.4	3.0-4.0-5.2	4.0-5.2-6.4	4.9-6.1-7.6	6.1-7.6-9.1	6.7-8.5-10.4	7.3-9.1-11.3	8.5-10.7-12.8
125 mm	L/S/m	112	166	222	277	333	387	443	499
	NC	-	-	-	18	23	27	31	34
	Throw (m) Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.5-6.7-8.2	6.7-8.2-9.8	7.3-9.1-11.0	8.2-10.1-12.2	9.1-11.3-13.4
150 mm	L/S/m	136	206	274	342	410	480	548	617
	NC	-	-	-	19	24	28	32	35
	Throw (m) Side Wall	2.7-3.7-4.6	4.0-4.9-6.1	4.9-6.1-7.3	6.1-7.3-8.8	7.3-8.8-10.4	8.5-10.1-11.9	9.1-10.7-12.5	10.4-12.2-14.0

For Performance Notes and Correction Factors, see page A112.

Performance Data - Metric Units - Core 16B

Size	Static Pressure (Pa)	2	5	9	14	20	27	36	45
38 mm	L/S/m	25	36	48	60	73	85	96	108
	NC	-	17	26	32	37	42	46	49
	Throw (m) Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-3.0-4.3	2.4-4.0-5.5	2.7-4.3-6.1	3.0-4.9-7.0	3.7-5.5-7.6	4.0-6.1-8.2
51 mm	L/S/m	34	53	70	87	104	121	139	156
	NC	-	-	19	25	30	35	39	43
	Throw (m) Side Wall	0.9-1.5-2.1	1.5-2.4-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.4-5.2-7.0	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-9.1
63 mm	L/S/m	46	70	93	116	139	163	186	209
	NC	-	-	18	24	29	34	38	42
	Throw (m) Side Wall	1.2-1.8-2.4	1.8-2.7-4.0	2.4-3.7-5.2	3.4-4.9-6.4	4.0-5.8-7.6	4.6-6.4-8.2	5.2-7.3-9.4	6.1-8.2-10.7
76 mm	L/S/m	57	87	115	144	173	201	231	259
	NC	-	-	17	23	28	33	37	41
	Throw (m) Side Wall	1.2-1.8-2.7	2.1-3.0-4.3	3.0-4.0-5.5	3.7-5.2-6.7	4.6-6.1-7.9	5.5-7.3-9.1	6.1-7.9-10.1	7.0-9.1-11.3
89 mm	L/S/m	70	105	139	175	211	245	280	314
	NC	-	-	17	23	28	33	37	41
	Throw (m) Side Wall	1.5-2.1-3.0	2.4-3.4-4.6	3.7-4.9-6.1	4.3-5.5-7.0	5.2-6.7-8.2	6.1-7.6-9.4	6.7-8.5-10.7	7.6-9.8-11.9
100 mm	L/S/m	82	124	164	206	248	288	328	370
	NC	-	-	18	24	29	34	38	42
	Throw (m) Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	4.0-5.2-6.4	4.6-5.8-7.3	5.8-7.3-8.8	6.7-8.2-10.1	7.3-9.1-11.0	7.6-10.1-12.2
125 mm	L/S/m	107	161	214	268	322	375	429	483
	NC	-	-	18	24	29	34	38	42
	Throw (m) Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.2-6.4-7.9	6.1-7.6-9.4	7.3-8.8-10.7	7.9-10.1-11.6	8.8-10.7-12.8
150 mm	L/S/m	132	197	263	328	393	459	525	592
	NC	-	-	18	24	29	34	38	42
	Throw (m) Side Wall	2.7-3.4-4.3	4.0-4.9-6.1	4.9-6.1-7.3	6.1-7.3-8.5	7.0-8.2-9.8	7.6-9.1-11.0	8.5-10.1-11.9	9.4-11.3-13.1

For Performance Notes and Correction Factors, see page A112.

Linear Bar Grilles LBP / LBPH Series



Performance Data - Metric Units - Core 25B / 25C

Size	Static Pressure (Pa)		2	5	10	16	22	30	40	50
38 mm	L/S/m		15	25	33	40	48	56	65	73
	NC		-	-	-	19	24	29	33	36
	Throw (m)	Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.5-2.7-4.0	2.1-3.7-5.2	2.4-4.0-5.8	3.0-4.9-6.7	3.4-5.2-7.3	3.7-5.8-7.9
51 mm	L/S/m		28	42	56	70	84	98	112	125
	NC		-	-	-	18	23	28	32	35
	Throw (m)	Side Wall	0.9-1.5-2.1	1.5-2.7-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.0-4.9-7.0	4.0-5.8-7.9	4.3-6.4-8.5	4.6-6.7-9.1
63 mm	L/S/m		40	62	82	102	122	143	164	184
	NC		-	-	-	20	25	30	34	37
	Throw (m)	Side Wall	1.2-1.8-2.7	1.8-2.7-3.7	2.4-3.7-5.2	3.4-4.9-6.7	4.0-5.8-7.6	4.6-6.4-8.5	5.5-7.6-9.8	6.4-8.5-11.0
76 mm	L/S/m		54	82	108	136	164	191	218	245
	NC		-	-	-	21	26	31	35	38
	Throw (m)	Side Wall	1.5-2.1-3.0	2.1-3.4-4.6	3.0-4.3-5.8	3.7-5.2-7.0	4.6-6.4-8.2	5.5-7.3-9.4	6.1-8.2-10.4	7.3-9.4-11.9
89 mm	L/S/m		68	102	136	170	204	239	273	307
	NC		-	-	16	22	27	32	36	39
	Throw (m)	Side Wall	1.5-2.1-3.0	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.5-7.0-8.5	6.1-7.9-9.8	7.0-8.8-11.0	7.6-9.8-12.2
100 mm	L/S/m		82	124	164	206	248	288	330	370
	NC		-	-	17	23	28	33	37	40
	Throw (m)	Side Wall	1.8-2.4-3.4	3.0-4.0-5.2	4.0-5.2-6.4	4.9-6.4-7.9	6.1-7.6-9.1	6.7-8.5-10.4	7.3-9.1-11.3	8.5-10.7-12.8
125 mm	L/S/m		110	164	220	274	328	384	438	493
	NC		-	-	18	24	29	34	38	41
	Throw (m)	Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.5-6.7-8.2	6.7-8.2-9.8	7.6-9.4-11.3	8.2-10.1-12.2	9.1-11.3-13.4
150 mm	L/S/m		138	206	276	344	412	480	550	620
	NC		-	-	19	25	30	35	39	42
	Throw (m)	Side Wall	2.7-3.4-4.3	4.0-4.9-6.1	4.9-6.1-7.3	6.1-7.3-8.8	7.3-8.8-10.4	8.5-10.1-11.9	9.1-10.7-12.5	10.4-12.2-14.0

For Performance Notes and Correction Factors, see page A112.

Performance Data - Metric Units - Core 26B / 26C

Size	Static Pressure (Pa)		3	6	12	19	27	36	48	60
38 mm	L/S/m		19	29	39	48	57	67	77	87
	NC		-	16	24	31	36	41	45	48
	Throw (m)	Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-3.0-4.3	2.1-3.7-5.2	2.7-4.3-6.1	3.0-4.9-7.0	3.7-5.5-7.6	4.0-6.1-8.2
51 mm	L/S/m		29	45	59	74	90	104	119	133
	NC		-	-	19	26	31	36	40	43
	Throw (m)	Side Wall	0.9-1.5-2.1	1.5-2.4-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.4-5.2-7.3	4.0-5.8-7.9	4.6-6.7-8.8	4.9-7.0-9.4
63 mm	L/S/m		42	62	84	104	124	146	166	186
	NC		-	-	19	26	31	36	40	43
	Throw (m)	Side Wall	1.2-1.8-2.4	1.8-2.7-4.0	2.7-4.0-5.2	3.4-4.9-6.4	4.3-5.8-7.6	4.6-6.4-8.2	5.2-7.3-9.4	6.1-8.2-10.7
76 mm	L/S/m		53	81	107	133	160	186	214	240
	NC		-	-	19	26	31	36	40	43
	Throw (m)	Side Wall	1.2-1.8-2.7	2.4-3.4-4.6	3.0-4.3-5.8	4.0-5.5-7.0	4.9-6.4-8.2	5.5-7.3-9.4	6.4-8.5-10.7	7.0-9.1-11.6
89 mm	L/S/m		65	98	130	163	195	228	260	293
	NC		-	-	20	27	32	37	41	44
	Throw (m)	Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	3.7-4.9-6.4	4.3-5.8-7.3	5.5-7.0-8.8	6.4-8.2-10.1	7.0-8.8-11.0	7.6-9.8-12.2
100 mm	L/S/m		79	118	158	197	235	276	314	353
	NC		-	-	21	28	33	38	42	45
	Throw (m)	Side Wall	1.8-2.7-3.7	3.0-4.0-5.2	4.0-5.2-6.7	4.6-6.1-7.6	5.8-7.3-9.1	6.7-8.5-10.4	7.6-9.4-11.6	8.5-11.0-12.8
125 mm	L/S/m		104	155	208	259	310	362	414	466
	NC		-	-	21	28	33	38	42	45
	Throw (m)	Side Wall	2.4-3.4-4.3	3.4-4.6-5.8	4.6-5.8-7.3	5.8-7.0-8.5	6.4-7.9-9.8	7.3-9.1-11.0	7.9-9.8-11.9	8.8-11.0-13.1
150 mm	L/S/m		130	195	260	325	390	455	520	586
	NC		-	-	23	30	35	40	44	47
	Throw (m)	Side Wall	2.7-3.7-4.6	4.3-5.2-6.4	5.2-6.4-7.6	6.1-7.3-8.8	7.3-8.8-10.4	8.2-9.8-11.6	8.8-10.7-12.5	9.8-11.6-13.4

For Performance Notes and Correction Factors, see page A112.

Linear Bar Grilles LBP / LBPH Series



Performance Data - Metric Units - Core 27B / 27C

Size	Static Pressure (Pa)		3	6	12	19	27	36	48	60
38 mm	L/S/m		20	29	40	50	59	70	79	90
	NC		-	16	24	31	36	41	45	48
	Throw (m)	Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-2.7-4.0	2.1-3.4-4.9	2.4-4.0-5.8	2.7-4.6-6.4	3.0-4.9-7.0	3.7-5.5-7.6
51 mm	L/S/m		29	45	59	74	90	104	119	133
	NC		-	-	20	26	31	36	40	43
	Throw (m)	Side Wall	0.9-1.5-2.1	1.5-2.4-3.4	2.1-3.4-4.6	2.7-4.3-5.8	3.4-4.9-6.7	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-9.1
63 mm	L/S/m		40	60	81	101	119	141	161	181
	NC		-	-	20	26	31	36	40	43
	Throw (m)	Side Wall	1.2-1.8-2.4	1.8-2.7-3.7	2.4-3.7-4.9	3.0-4.6-6.1	4.0-5.8-7.3	4.3-6.1-7.9	5.2-7.0-9.1	5.8-7.9-10.1
76 mm	L/S/m		51	77	102	129	155	180	206	231
	NC		-	-	20	26	31	36	40	43
	Throw (m)	Side Wall	1.2-1.8-2.7	2.1-3.0-4.0	2.7-4.0-5.2	3.7-4.9-6.4	4.6-6.1-7.6	5.2-6.7-8.5	6.1-7.9-9.8	6.4-8.5-10.7
89 mm	L/S/m		62	93	124	155	186	217	248	279
	NC		-	-	20	27	32	36	40	43
	Throw (m)	Side Wall	1.5-2.1-2.7	2.4-3.4-4.3	3.4-4.6-5.8	4.0-5.2-6.7	4.9-6.4-7.9	5.8-7.3-9.1	6.7-8.5-10.4	7.0-9.1-11.3
100 mm	L/S/m		76	113	150	189	226	265	302	339
	NC		-	-	21	27	33	37	41	44
	Throw (m)	Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.8-7.3-8.8	6.4-7.9-9.8	7.3-9.1-11.0	7.9-10.1-12.2
125 mm	L/S/m		98	147	195	245	294	342	392	440
	NC		-	-	22	28	33	38	42	45
	Throw (m)	Side Wall	2.1-2.7-3.7	3.4-4.3-5.8	4.3-5.5-6.7	5.2-6.4-7.9	6.4-7.9-9.4	7.3-8.8-10.7	8.2-10.1-11.9	9.1-11.0-13.1
150 mm	L/S/m		118	177	235	294	353	412	471	530
	NC		-	-	22	29	34	39	42	46
	Throw (m)	Side Wall	2.4-3.0-4.0	3.7-4.6-5.5	4.6-5.8-7.0	6.1-7.3-8.5	7.0-8.2-9.8	7.9-9.4-11.3	8.8-10.4-12.2	10.1-11.9-13.7

Performance Notes

Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"

- All pressures are in Pascals.
- Maximum throws are to a terminal velocity of 0.25 m/s, middle throws are to a terminal velocity of 0.5 m/s and minimum throws are to a terminal velocity of 0.75 m/s.

- Throw values are based on a 1.2 m active section of grille with a cooling temperature differential of 11°C. The multiplier factors listed in the table below are applicable for other lengths.
- The NC values are based on a room absorption of 10 dB re 10⁻¹² watts.

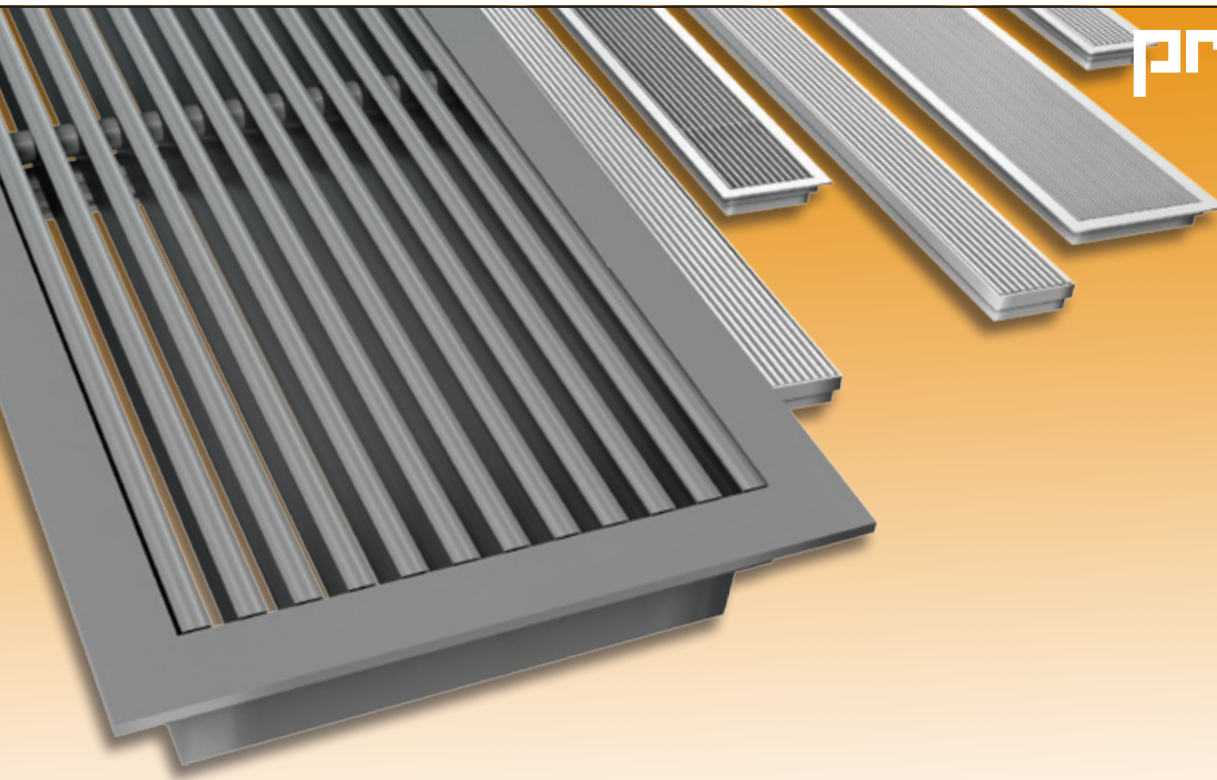
- Return air applications, when used as a return air intake, add 4 to NC value shown and multiply Static Pressure by 0.8.
- Blank (-) spaces indicate an NC level below 15.

Throw Correction for Length (multiply)

Active Length	Terminal Velocity (m/s)		
	0.75	0.5	0.25
0.3 m	0.5	0.6	0.7
3 m or continuous	1.6	1.4	1.2

NC / NR Correction for Various Diffuser Lengths

Length, meters	0.3	0.6	1.2	2.4	2.7	3	4.6	6.1	7.6	9.1
Supply	-16	-11	-6	-3	-2	0	+3	+5	+6	+8
Return	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

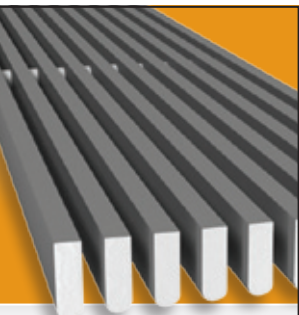


LBMH Series

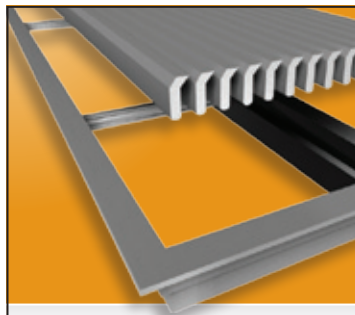
HEAVY DUTY LINEAR GRILLE

The Price LBMH series of premium quality linear bar grilles features heavy duty aluminum mandrel tube construction for exceptional strength, crisp styling and efficient air distribution. The LBMH is available in 10 core styles, 6 frames types and 3 fastening options. Curved sections are also available.

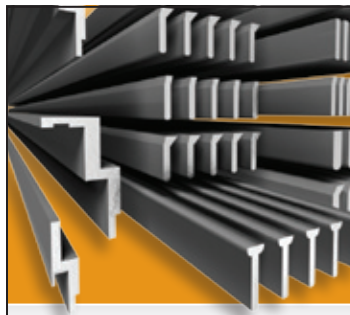
Combining architectural beauty with performance and versatility.



Heavy duty construction



Removable core



Large selection of core and frame styles



Efficient air distribution

Linear Bar Grilles

LBMH Series

Extra Heavy Duty
Mandrel Construction

Product Information

Price LBMH Series premium quality linear bar grilles feature precision heavy duty aluminum Mandrel tube construction for clean, crisp styling, efficient air distribution, and exceptional strength characteristics. LBMH linear bar grilles are recommended for floor (high foot traffic areas) and sill, sidewall and ceiling applications.

- Extruded aluminum heavy duty Mandrel tube construction.
- Heavy duty extruded aluminum border with reinforcing support bars.
- Precision mitered corners.
- Core bars are supplied parallel to the long dimension.
- Core is removable and is shipped with core clips.
- Choice of ten core styles.
- Choice of five border widths.
- Choice of three fastening types.
- Wide variety of optional accessories.

Curved Sections

Price Model LBM linear bar grilles offer the added architectural flexibility of curved sections. Grilles can be curved as concave, convex or in plain view to match curved walls or floor applications. Curved grilles are limited to core styles (15A, 15B, and 25C). Contact your Price sales rep for further details.

Finish

Face – White Powder Coat **B12**

For optional and special finishes see color matrix.

Available Sizes

For linear bar grilles supplied as one unit:

Minimum	Maximum
4 in. x 1 1/2 in.	72 in. x 48 in.

Minimum	Maximum
102mm x 38mm	1829mm x 1219mm

- For grille face overall dimensions, see page A75.

Note:

- Max single core size is 72 in. x 48 in. (1829mm x 1219mm). Larger units are supplied with mounting channel(s).
- Units wider than 24 in. (610mm) require additional structural support designed and installed by others.
- LBMH is not designed to withstand loads from mechanical equipment such as carts, forklifts, etc.

Models

Narrow Spacing

1/4 in. [6] Spacing, 1/8 in. [3] Bars

- 0° Deflection
- 15° Deflection

LBMH 15A
LBMH 16A

Wide Spacing

1/2 in. [13] Spacing, 1/8 in. [3] Bars

- 0° Deflection
- 15° Deflection

LBMH 15B
LBMH 16B

1/2 in. [13] Spacing, 7/32 in. [6] Bars

- 0° Deflection
- 15° Deflection
- 30° Deflection

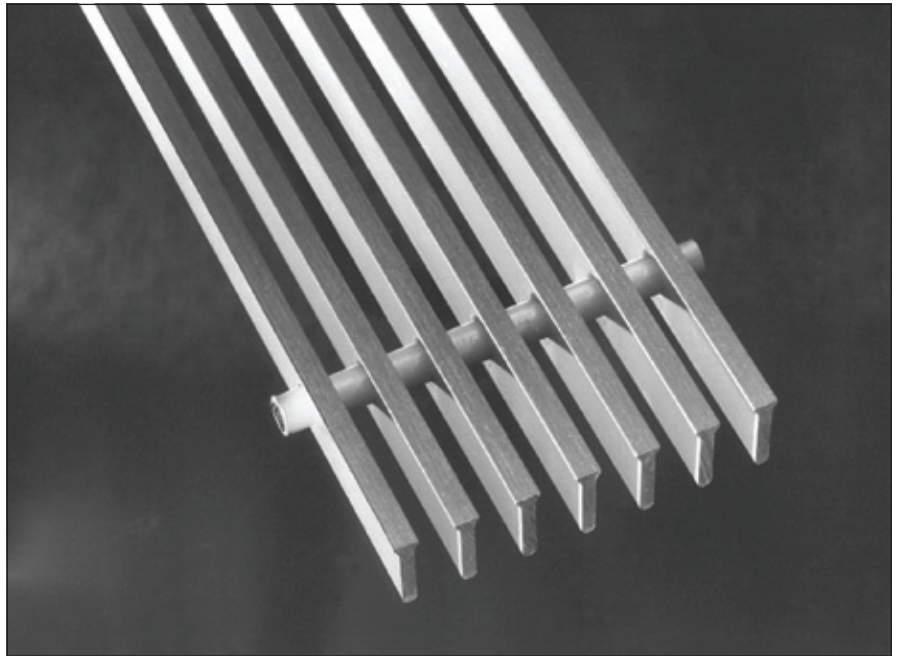
LBMH 25B
LBMH 26B
LBMH 27B

Pencil Proof Spacing

7/16 in. [11] Spacing, 7/32 in. [6] Bars

- 0° Deflection
- 15° Deflection
- 30° Deflection

LBMH 25C
LBMH 26C
LBMH 27C



Mandrel Construction Core Detail

✓ Product Selection Checklist

- 1] Select Unit Size based on desired performance characteristics.
- 2] Select Outlet Type by model number (blade spacing, core style) (page A82).
- 3] Select Border Style according to installation requirements (1000 is standard) (page A82).
- 4] Select Directional Vanes for air pattern control, if desired (page A87).
- 5] Select Damper Type, if desired (page A87).
- 6] Select Fastening Type (A is standard) (page A75).
- 7] Select Mitered Corner Modules, if desired (page A87).
- 8] Select Finish.

Example: 96 x 12 / LBMH15A / 1000 / B12

Application Recommendations:

Floor or Sill installations, heavy traffic areas – 1000 Border, A Fastening.

Linear Bar Grilles

LBMH Series

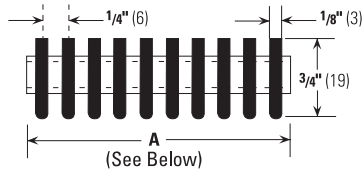
Extra Heavy Duty
Mandrel Construction



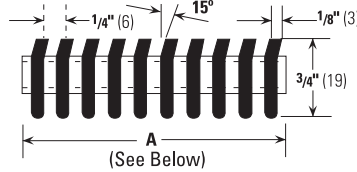
Available Cores

Narrow Bar Spacing

Core 15A 0° Deflection

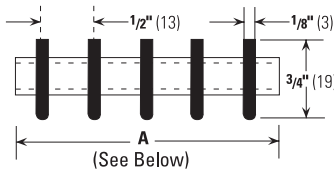


Core 16A 15° Deflection

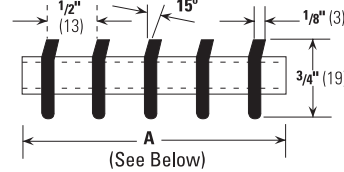


Wide Bar Spacing

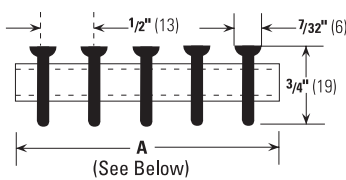
Core 15B 0° Deflection



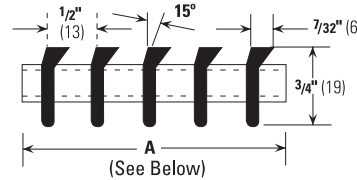
Core 16B 15° Deflection



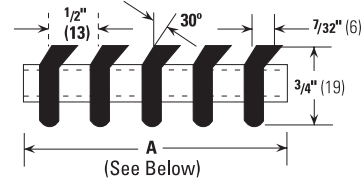
Core 25B 0° Deflection



Core 26B 15° Deflection

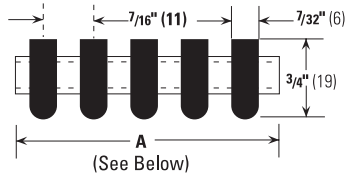


Core 27B 30° Deflection

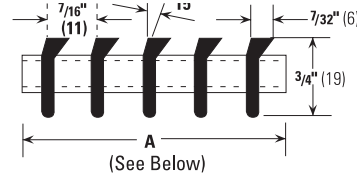


Pencil Proof Bar Spacing

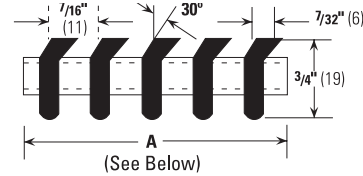
Core 25C 0° Deflection



Core 26C 15° Deflection



Core 27C 30° Deflection



The expansion and contraction of aluminum linear grilles due to temperature differentials are shown in the frames on page A-74. For the most normal applications, the slight clearance which occurs when linear grilles are butted together is sufficient to account for the expansion and contraction of the diffusers. Alignment splice plates supplied with the diffusers help to maintain alignment of the adjacent sections as the cores expand and contract.

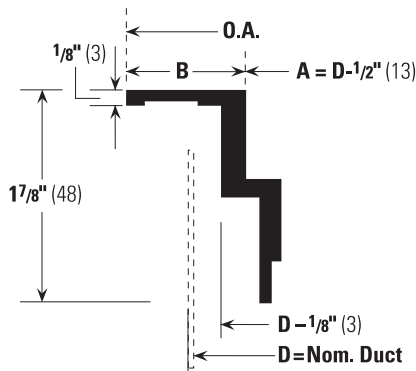
LINEAR DIFFUSERS AND GRILLES

Linear Bar Grilles
LBMH Series
 Extra Heavy Duty
 Mandrel Construction

Available Borders / Frames
(Tabulated Overall Dimensions & Fastenings Page A75)

750, 1000, 1250

³/₄ in. [19], 1 in. [25], ¹/₄ in. [32] Border Width



Dimensional Data - Imperial

Border	B	O.A.
1250	1 1/4"	D + 2"
1000	1"	D + 1 1/2"
750	3/4"	D + 1"

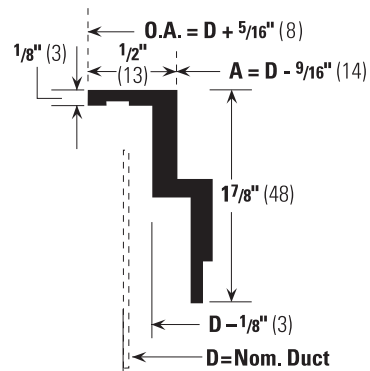
Dimensional Data - Metric

Border	B	O.A.
1250	32	D + 51
1000	25	D + 38
750	19	D + 25

Standard – Heavy duty flanged border with 1 in. [25] border face. Type A or C fastening recommended for ceiling, sidewall or sill applications.

500

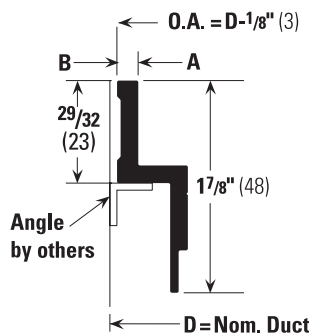
¹/₂ in. [13] Border Width



Heavy duty flanged border with ³/₄ in. [19] border face. Type C fastening recommended for ceiling, sidewall or sill applications; Type A fastening not available on ¹/₂ in. [13] border.

187, 125

³/₁₆ in. [5], ¹/₈ in. [3] Border Width



Dimensional Data - Imperial

Border	B	A
125	1/8"	D - 3/8"
187	3/16"	D - 1/2"

Dimensional Data - Metric

Border	B	A
125	3	D - 6
187	5	D - 13

Heavy duty narrow face border with choice of ³/₁₆ in. [5] or ¹/₈ in. [3] border face. Designed for flush, recessed mounting in floors.

Linear Bar Grilles LBMH Series



Performance Data - Imperial Units - Core 15A

Size	Static Pressure		.011	.024	.044	.069	.098	.133	.175	.222	.275
1 1/2 in.	Flow cfm / ft	NC	11	15	21	27	32	38	43	48	54
	Throw	Sill or Floor	1-1-1	2-2-2	4-4-4	6-6-6	8-8-9	9-10-11	10-11-13	12-13-15	13-15-18
	ft	Sidewall	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25	13-20-28
2 in.	Flow cfm / ft	NC	17	25	34	43	51	60	68	77	86
	Throw	Sill or Floor	1-1-1	4-4-4	6-6-6	9-9-9	11-11-12	12-13-15	14-15-17	15-17-19	16-18-20
	ft	Sidewall	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-29	16-24-32
2 1/2 in.	Flow cfm / ft	NC	23	35	47	59	71	82	95	106	118
	Throw	Sill or Floor	1-1-1	5-5-5	8-8-8	10-10-11	13-14-15	15-16-17	16-18-20	20-20-21	22-22-22
	ft	Sidewall	4-6-8	6-9-12	8-12-16	10-15-20	13-18-24	15-21-27	16-22-30	20-24-34	22-30-38
3 in.	Flow cfm / ft	NC	31	47	62	78	93	109	125	140	156
	Throw	Sill or Floor	2-2-2	6-6-6	9-9-10	12-12-13	15-16-17	18-19-20	20-21-22	23-23-23	25-25-25
	ft	Sidewall	4-6-8	7-10-14	9-13-18	12-17-22	15-20-25	18-23-29	20-26-33	23-30-37	25-32-40
3 1/2 in.	Flow cfm / ft	NC	40	59	79	98	118	138	158	178	198
	Throw	Sill or Floor	2-2-2	7-7-7	10-10-11	15-15-15	17-18-19	20-21-22	22-23-24	25-25-26	27-27-27
	ft	Sidewall	5-7-10	8-11-15	10-15-20	15-19-24	17-22-27	20-25-31	22-28-35	25-32-39	27-34-42
4 in.	Flow cfm / ft	NC	46	69	93	116	138	161	183	208	230
	Throw	Sill or Floor	3-3-3	8-8-8	12-12-13	15-15-16	19-19-20	21-22-23	24-24-25	26-26-27	29-29-30
	ft	Sidewall	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40	30-37-44
5 in.	Flow cfm / ft	NC	62	92	122	152	182	212	242	273	302
	Throw	Sill or Floor	4-4-4	9-9-9	14-14-14	17-17-17	21-21-22	24-24-24	27-27-27	29-29-29	32-32-32
	ft	Sidewall	7-9-12	11-14-18	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43	33-40-47
6 in.	Flow cfm / ft	NC	76	113	152	190	228	266	302	342	380
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-29	31-31-31	34-34-34
	ft	Sidewall	8-10-13	12-15-19	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-40-45	37-43-49

For Performance Notes and Correction Factors, see page A120.

Performance Data - Imperial Units - Core 16A

Size	Static Pressure		.013	.027	.050	.079	.111	.155	.199	.252	.310
1 1/2 in.	Flow cfm / ft	NC	12	19	25	31	38	44	50	56	62
	Throw	Sill or Floor	1-1-1	3-3-3	4-4-4	7-7-7	9-9-10	10-11-12	12-13-15	13-14-16	14-16-18
	ft	Sidewall	2-4-6	4-7-10	6-10-14	7-12-17	9-14-20	10-16-22	12-18-25	13-20-27	14-22-30
2 in.	Flow cfm / ft	NC	18	27	36	44	54	63	72	81	88
	Throw	Sill or Floor	1-1-1	4-4-4	6-6-6	9-9-9	11-11-12	12-13-15	14-16-18	15-17-19	16-18-20
	ft	Sidewall	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30	16-24-32
2 1/2 in.	Flow cfm / ft	NC	24	35	47	59	71	83	94	106	118
	Throw	Sill or Floor	1-1-1	5-5-5	8-8-8	10-10-11	13-14-15	14-15-17	17-18-20	19-20-21	21-21-22
	ft	Sidewall	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33	21-28-36
3 in.	Flow cfm / ft	NC	29	43	58	72	87	101	116	130	144
	Throw	Sill or Floor	2-2-2	6-6-6	9-9-9	12-12-13	15-15-16	17-18-19	20-21-22	21-22-23	23-23-24
	ft	Sidewall	4-6-9	7-10-13	9-13-17	12-16-21	15-20-25	17-22-28	20-26-32	21-28-35	23-31-39
3 1/2 in.	Flow cfm / ft	NC	35	52	70	87	104	122	139	157	174
	Throw	Sill or Floor	2-2-2	8-8-8	11-11-11	13-13-14	16-17-18	19-20-21	22-22-23	23-24-25	26-26-26
	ft	Sidewall	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37	26-33-41
4 in.	Flow cfm / ft	NC	42	63	84	105	126	147	168	189	210
	Throw	Sill or Floor	3-3-3	9-9-9	12-12-12	15-15-15	18-19-20	21-21-22	23-24-25	25-25-26	28-28-28
	ft	Sidewall	5-7-10	9-12-15	12-16-20	15-19-24	18-23-28	21-26-32	23-29-35	25-32-39	29-36-43
5 in.	Flow cfm / ft	NC	54	81	108	135	162	189	216	243	270
	Throw	Sill or Floor	3-3-3	9-9-9	13-13-13	16-16-17	20-20-21	23-23-24	25-25-26	28-28-28	31-31-31
	ft	Sidewall	7-9-12	10-13-17	14-18-22	16-21-26	20-25-30	23-28-34	25-31-37	28-34-41	31-38-45
6 in.	Flow cfm / ft	NC	66	99	132	165	198	231	264	297	330
	Throw	Sill or Floor	4-4-4	10-10-10	14-14-14	18-18-18	22-22-22	25-25-25	28-28-28	30-30-30	32-32-32
	ft	Sidewall	8-10-13	11-14-18	15-19-23	19-23-27	23-27-31	25-30-35	28-33-39	31-37-43	34-40-46

Performance Data - Imperial Units - Core 15B

Size	Static Pressure		.009	.020	.036	.057	.080	.109	.143	.182	.225
1 1/2 in.	Flow cfm / ft	NC	12	18	24	30	36	42	48	54	60
	Throw	Sill or Floor	1-1-1	2-2-2	4-4-4	7-7-7	8-9-10	10-11-12	11-12-14	12-14-17	13-15-18
	ft	Sidewall	2-4-6	4-7-10	6-9-13	7-12-17	9-13-19	10-16-22	11-17-24	12-19-26	13-21-29
2 in.	Flow cfm / ft	NC	19	29	39	49	59	69	78	88	98
	Throw	Sill or Floor	1-1-1	4-4-4	7-7-7	9-9-10	11-11-12	13-14-16	14-16-18	15-17-20	17-19-21
	ft	Sidewall	3-5-7	5-8-12	7-11-16	9-14-20	11-17-23	13-19-26	14-21-28	15-22-30	17-25-33
2 1/2 in.	Flow cfm / ft	NC	27	40	54	67	80	94	107	121	134
	Throw	Sill or Floor	1-1-1	5-5-5	9-9-9	11-11-12	13-14-15	15-16-17	18-19-20	20-21-23	23-24-25
	ft	Sidewall	4-6-8	6-9-13	9-13-17	11-16-21	13-18-24	15-21-28	17-24-31	20-27-35	23-31-39
3 in.	Flow cfm / ft	NC	36	53	71	89	107	125	142	160	178
	Throw	Sill or Floor	2-2-2	7-7-7	10-10-11	12-13-14	15-16-17	18-19-20	20-21-23	23-24-25	25-25-26
	ft	Sidewall	5-7-10	7-10-14	10-14-19	12-17-23	15-20-26	18-24-30	20-27-34	23-30-38	25-33-41
3 1/2 in.	Flow cfm / ft	NC	44	67	89	111	133	156	178	200	222
	Throw	Sill or Floor	3-3-3	8-8-8	12-12-12	15-15-16	18-19-20	20-21-23	23-24-25	25-26-27	29-29-29
	ft	Sidewall	5-7-10	9-12-16	12-16-20	15-20-25	18-23-28	20-26-32	23-29-36	25-32-40	29-36-44
4 in.	Flow cfm / ft	NC	53	79	106	132	159	185	212	238	264
	Throw	Sill or Floor	3-3-3	9-9-9	13-13-13	16-16-17	20-20-21	22-23-24	24-25-26	27-27-27	30-30-30
	ft	Sidewall	6-8-11	10-13-17	13-17-21	16-20-25	20-25-30	22-28-34	24-30-37	28-35-42	31-38-45
5 in.	Flow cfm / ft	NC	69	104	138	173	208	242	277	312	346
	Throw	Sill or Floor	4-4-4	10-10-10	14-14-14	18-18-18	22-22-23	24-24-24	27-27-28	30-30-31	32-32-32
	ft	Sidewall	8-10-13	11-14-18	15-19-23	18-22-27	22-27-32	24-30-36	27-33-40	30-37-44	34-41-48
6 in.	Flow cfm / ft	NC	86	129	173	216	259	303	346	389	432
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-28	31-31-31	32-32-32
	ft	Sidewall	9-12-15	13-16-20	16-20-24	20-24-29	24-29-34	29-33-39	30-35-41	34-40-46	38-44-50

Performance Data - Imperial Units - Core 16B

For Performance Notes and Correction Factors, see page A120.

Size	Static Pressure		.009	.020	.036	.057	.080	.109	.143	.182	.225
1 1/2 in.	Flow cfm / ft	NC	12	21	28	35	41	49	56	63	70
	Throw	Sill or Floor	1-1-1	3-3-3	5-5-5	8-8-8	9-9-10	10-11-13	12-13-15	13-15-17	14-16-18
	ft	Sidewall	2-4-6	4-7-10	6-10-14	8-13-18	9-14-20	10-16-23	12-18-25	13-20-27	14-22-30
2 in.	Flow cfm / ft	NC	20	30	40	50	60	70	80	90	100
	Throw	Sill or Floor	1-1-1	4-4-4	7-7-7	9-9-10	11-12-13	12-14-16	14-16-18	15-17-20	18-19-21
	ft	Sidewall	3-5-7	5-8-12	7-11-16	9-14-20	11-17-23	12-18-25	14-20-27	15-22-30	18-26-34
2 1/2 in.	Flow cfm / ft	NC	27	40	54	67	80	94	108	121	134
	Throw	Sill or Floor	1-1-1	5-5-5	8-8-9	11-11-12	13-14-15	15-16-18	17-19-21	20-21-22	22-22-23
	ft	Sidewall	4-6-8	6-9-13	9-12-17	11-16-21	13-19-25	15-21-27	17-24-31	20-27-35	22-30-38
3 in.	Flow cfm / ft	NC	33	49	66	82	98	115	131	148	164
	Throw	Sill or Floor	2-2-2	6-6-6	10-10-10	12-12-13	15-16-17	18-19-20	20-21-23	23-23-24	25-25-25
	ft	Sidewall	4-6-9	7-10-14	10-13-18	12-17-22	15-20-26	18-24-30	20-26-33	23-30-37	25-32-40
3 1/2 in.	Flow cfm / ft	NC	40	59	80	99	119	138	158	178	198
	Throw	Sill or Floor	2-2-2	7-7-7	12-12-12	14-14-15	17-18-19	20-21-22	22-23-24	25-25-26	27-27-27
	ft	Sidewall	5-7-10	8-11-15	12-16-20	14-18-23	17-22-27	20-25-31	22-28-35	25-32-39	27-34-42
4 in.	Flow cfm / ft	NC	48	72	96	120	144	168	192	216	240
	Throw	Sill or Floor	3-3-3	8-8-9	13-13-13	15-15-16	19-19-20	22-22-23	24-24-25	26-26-27	30-30-30
	ft	Sidewall	6-8-11	9-12-16	13-17-21	15-19-24	19-24-29	22-27-33	24-30-36	26-33-40	30-37-44
5 in.	Flow cfm / ft	NC	62	93	124	154	185	216	247	277	308
	Throw	Sill or Floor	4-4-4	9-9-9	14-14-14	17-17-17	20-21-22	24-24-24	26-26-27	29-29-29	32-32-32
	ft	Sidewall	8-10-13	11-14-18	15-19-23	17-21-26	20-25-31	24-29-35	26-33-38	29-35-42	32-39-46
6 in.	Flow cfm / ft	NC	75	113	150	188	226	263	301	338	376
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-28	30-30-30	34-34-34
	ft	Sidewall	9-11-14	13-16-20	16-20-24	20-24-28	23-27-32	25-30-36	28-33-39	31-37-43	35-41-47

Linear Bar Grilles LBMH Series



Performance Data - Imperial Units - Core 25B / 25C

Size	Static Pressure		.010	.022	.040	.063	.089	.121	.159	.202	.250
1 1/2 in.	Flow cfm / ft		12	18	24	30	36	42	48	54	60
	NC		—	—	—	—	18	24	28	31	34
	Throw	Sill or Floor	1-1-1	2-2-2	4-4-4	7-7-7	8-9-10	10-11-12	11-12-13	12-14-16	14-16-18
2 in.	Flow cfm / ft		20	29	39	49	59	69	79	89	98
	NC		—	—	—	—	21	25	29	33	36
	Throw	Sill or Floor	1-1-1	4-4-4	7-7-7	9-9-10	10-11-13	13-14-16	14-16-18	15-17-20	17-19-21
2 1/2 in.	Flow cfm / ft		28	43	57	71	85	99	117	125	142
	NC		—	—	—	18	23	27	32	34	37
	Throw	Sill or Floor	2-2-2	6-6-6	8-8-9	11-12-13	13-14-16	15-17-19	18-20-22	21-22-23	22-23-24
3 in.	Flow cfm / ft		38	57	76	95	113	132	151	170	190
	NC		—	—	—	20	25	30	33	36	40
	Throw	Sill or Floor	2-2-2	7-7-7	10-10-11	12-13-15	15-16-18	18-19-21	20-22-24	24-24-25	26-26-27
3 1/2 in.	Flow cfm / ft		45	68	91	114	133	159	184	205	228
	NC		—	—	—	20	25	30	34	37	41
	Throw	Sill or Floor	3-3-3	8-8-8	12-12-12	15-15-16	18-19-20	20-21-22	23-24-25	25-26-27	29-29-29
4 in.	Flow cfm / ft		54	81	108	135	162	189	216	243	270
	NC		—	—	—	21	26	31	34	38	41
	Throw	Sill or Floor	3-3-3	9-9-9	13-13-13	16-16-17	20-20-21	23-23-24	24-25-26	28-28-28	31-31-31
5 in.	Flow cfm / ft		72	108	144	180	216	252	289	324	360
	NC		—	—	17	23	28	33	37	40	43
	Throw	Sill or Floor	4-4-4	10-10-10	15-15-15	18-18-18	22-22-23	25-25-25	27-27-28	30-30-30	34-34-34
6 in.	Flow cfm / ft		90	135	180	225	270	314	360	404	450
	NC		—	—	17	24	30	34	38	41	45
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	19-19-19	23-23-23	25-25-25	29-29-29	31-31-31	36-36-36
	ft	Sidewall	9-11-14	13-16-20	16-20-24	20-24-29	24-29-34	28-33-39	30-35-41	34-40-46	38-44-50

Performance Data - Imperial Units - Core 26B / 26C

For Performance Notes and Correction Factors, see page A120.

Size	Static Pressure		.012	.026	.048	.076	.107	.145	.191	.242	.300
1 1/2 in.	Flow cfm / ft		13	19	26	32	39	45	51	58	64
	NC		—	—	19	25	31	36	40	43	46
	Throw	Sill or Floor	1-1-1	3-3-3	5-5-5	7-7-7	9-9-10	10-11-12	12-13-15	13-15-17	14-16-18
2 in.	Flow cfm / ft		19	29	39	48	58	67	77	87	96
	NC		—	—	16	23	29	33	37	41	44
	Throw	Sill or Floor	1-1-1	4-4-4	7-7-7	9-9-10	11-12-13	13-14-15	15-16-18	16-18-20	17-19-22
2 1/2 in.	Flow cfm / ft		26	40	53	66	79	92	105	119	132
	NC		—	—	16	23	28	33	37	41	45
	Throw	Sill or Floor	1-1-1	5-5-5	9-9-9	11-11-12	13-14-15	15-16-18	17-19-21	20-21-22	22-22-23
3 in.	Flow cfm / ft		34	51	68	85	102	119	136	152	170
	NC		—	—	16	23	29	34	38	41	45
	Throw	Sill or Floor	2-2-2	6-6-6	10-10-11	12-13-14	15-16-18	18-19-20	20-21-23	23-24-25	25-25-25
3 1/2 in.	Flow cfm / ft		42	63	84	106	126	148	169	190	212
	NC		—	—	18	25	30	36	40	43	47
	Throw	Sill or Floor	2-2-2	8-8-8	11-11-12	15-15-15	17-18-19	21-21-22	23-23-25	25-25-26	28-28-29
4 in.	Flow cfm / ft		50	75	100	125	150	175	200	225	250
	NC		—	—	19	25	31	35	40	44	47
	Throw	Sill or Floor	3-3-3	9-9-9	13-13-13	16-16-17	19-20-21	22-22-23	24-25-26	27-27-27	30-30-30
5 in.	Flow cfm / ft		66	99	132	165	198	231	264	297	330
	NC		—	—	20	27	33	38	42	46	48
	Throw	Sill or Floor	4-4-4	10-10-10	14-14-14	18-18-18	21-21-22	24-24-25	26-27-28	30-30-30	32-32-32
6 in.	Flow cfm / ft		84	126	168	210	252	294	336	378	420
	NC		—	—	22	29	35	40	43	47	50
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	19-19-19	23-23-23	25-25-25	28-28-29	31-31-31	35-35-35
	ft	Sidewall	9-12-15	13-16-20	17-21-25	20-24-29	23-28-33	26-31-37	28-34-40	30-37-44	35-41-47

Performance Data - Imperial Units - Core 27B / 27C

Size	Static Pressure		.012	.026	.048	.076	.107	.145	.191	.242
1 1/2 in.	Flow cfm / ft		13	19	26	32	38	45	51	58
	NC		—	16	24	31	36	41	45	48
	Throw	Sill or Floor	1-1-1	2-2-2	4-4-4	6-6-6	8-8-9	9-10-11	10-11-13	12-13-15
2 in.	ft	Sidewall	2-4-6	4-7-10	6-9-13	7-11-16	8-13-19	9-15-21	10-16-23	12-18-25
	Flow cfm / ft		19	29	38	48	58	67	77	86
	NC		—	—	20	26	31	36	40	43
2 1/2 in.	Throw	Sill or Floor	1-1-1	4-4-4	6-6-6	9-9-9	11-11-12	12-13-15	14-15-17	15-17-19
	ft	Sidewall	3-5-7	5-8-11	7-11-15	9-14-19	11-16-22	12-18-25	14-20-27	15-22-30
	Flow cfm / ft		26	39	52	65	77	91	104	117
3 in.	NC		—	—	20	26	31	36	40	43
	Throw	Sill or Floor	1-1-1	5-5-5	8-8-8	10-10-11	13-14-15	15-16-17	16-18-20	20-20-21
	ft	Sidewall	4-6-8	6-9-12	8-12-16	10-15-20	13-19-24	14-20-26	17-23-30	19-26-33
3 1/2 in.	Flow cfm / ft		33	50	66	83	100	116	133	149
	NC		—	—	20	26	31	36	40	43
	Throw	Sill or Floor	2-2-2	7-7-7	10-10-11	15-15-15	17-18-19	20-21-22	22-23-24	25-25-26
4 in.	ft	Sidewall	5-7-9	8-11-14	11-15-19	13-17-22	16-21-26	19-24-30	22-28-34	23-30-37
	Flow cfm / ft		49	73	97	122	146	171	195	219
	NC		—	—	21	27	33	37	41	44
5 in.	Throw	Sill or Floor	3-3-3	8-8-8	12-12-13	15-15-16	19-19-20	21-22-23	24-24-25	26-26-27
	ft	Sidewall	6-8-11	9-12-16	12-16-20	15-20-25	19-24-29	21-26-32	24-30-36	26-33-40
	Flow cfm / ft		63	95	126	158	190	221	253	284
6 in.	NC		—	—	22	28	33	38	42	45
	Throw	Sill or Floor	4-4-4	9-9-9	14-14-14	17-17-17	21-21-22	24-24-24	27-27-27	29-29-29
	ft	Sidewall	7-9-12	11-14-19	14-18-22	17-21-26	21-26-31	24-29-35	27-33-39	30-36-43
6 in.	Flow cfm / ft		76	114	152	190	228	266	304	342
	NC		—	—	22	29	34	39	42	46
	Throw	Sill or Floor	5-5-5	10-10-10	15-15-15	18-18-18	23-23-23	25-25-25	28-28-28	31-31-31
6 in.	ft	Sidewall	8-10-13	12-15-18	15-19-23	20-24-28	23-27-32	26-31-37	29-34-40	33-39-45

Performance Notes

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. All pressures are in. w.g.
3. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).

These throw values are based on a 4 ft active section of grille with a cooling temperature differential of 20 °F. The multiplier factors listed in the table below are applicable for other lengths.

Throw Correction for Length (Multiply)

Active Length	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft	0.5	0.6	0.7
10 ft or Continuous	1.6	1.4	1.2

4. The NC, sound pressure level, values are based on a room absorption of 10dB, re 10⁻¹² watts and a 10ft active section. For lengths other than 10'0 in., apply corrections from following table.

NC Correction for Length										
Active Length, ft	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

5. Return Intake: When used as a return intake, the NC value will be 4 higher and the negative static pressure will be 0.8 times the table value.
6. Blanks (—) indicate an NC level below 15.

Linear Bar Grilles LBMH Series



Performance Data - Metric Units - Core 15A

Size	Static Pressure (Pa)		3	6	11	17	24	33	44	55	68
38 mm	L/S/m		17	23	33	42	50	59	67	74	84
	NC		-	-	-	17	21	26	30	33	36
	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.6-0.6-0.6	1.2-1.2-1.2	1.8-1.8-1.8	2.4-2.4-2.7	2.7-3.0-3.4	3.0-3.4-4.0	3.7-4.0-4.6	4.0-4.6-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-2.7-4.0	2.1-3.4-4.9	2.4-4.0-5.8	2.7-4.6-6.4	3.0-4.9-7.0	3.7-5.5-7.6	4.0-6.1-8.5
51 mm	L/S/m		26	39	53	67	79	93	105	119	133
	NC		-	-	-	17	22	26	30	33	36
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	1.8-1.8-1.8	2.7-2.7-2.7	3.4-3.4-3.7	3.7-4.0-4.6	4.3-4.6-5.2	4.6-5.2-5.8	4.9-5.5-6.1
		Side Wall	0.9-1.5-2.1	1.5-2.4-3.4	2.1-3.4-4.6	2.7-4.3-5.8	3.4-4.9-6.7	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-8.8	4.9-7.3-9.8
63 mm	L/S/m		36	54	73	91	110	127	147	164	183
	NC		-	-	-	17	23	27	31	34	38
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.5-1.5-1.5	2.4-2.4-2.4	3.0-3.0-3.4	4.0-4.3-4.6	4.6-4.9-5.2	4.9-5.5-6.1	6.1-6.1-6.4	6.7-6.7-6.7
		Side Wall	1.2-1.8-2.4	1.8-2.7-3.7	2.4-3.7-4.9	3.0-4.6-6.1	4.0-5.5-7.3	4.6-6.4-8.2	4.9-6.7-9.1	6.1-7.3-10.4	6.7-9.1-11.6
76 mm	L/S/m		48	73	96	121	144	169	194	217	242
	NC		-	-	-	20	25	29	33	37	39
	Throw (m)	Sill or Floor	0.6-0.6-0.6	1.8-1.8-1.8	2.7-2.7-3.0	3.7-3.7-4.0	4.6-4.9-5.2	5.5-5.8-6.1	6.1-6.4-6.7	7.0-7.0-7.0	7.6-7.6-7.6
		Side Wall	1.2-1.8-2.4	2.1-3.0-4.3	2.7-4.0-5.5	3.7-5.2-6.7	4.6-6.1-7.6	5.5-7.0-8.8	6.1-7.9-10.1	7.0-9.1-11.3	7.6-9.8-12.2
89 mm	L/S/m		62	91	122	152	183	214	245	276	307
	NC		-	-	-	21	26	31	35	38	41
	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.1-2.1-2.1	3.0-3.0-3.4	4.6-4.6-4.6	5.2-5.5-5.8	6.1-6.4-6.7	6.7-7.0-7.3	7.6-7.6-7.9	8.2-8.2-8.2
		Side Wall	1.5-2.1-3.0	2.4-3.4-4.6	3.0-4.6-6.1	4.6-5.8-7.3	5.2-6.7-8.2	6.1-7.6-9.4	6.7-8.5-10.7	7.6-9.8-11.9	8.2-10.4-12.8
100 mm	L/S/m		71	107	144	180	214	249	283	322	356
	NC		-	-	16	22	27	31	35	39	41
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.4-2.4-2.4	3.7-3.7-4.0	4.6-4.6-4.9	5.8-5.8-6.1	6.4-6.7-7.0	7.3-7.3-7.6	7.9-7.9-8.2	8.8-8.8-9.1
		Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.8-7.3-8.8	6.4-7.9-9.8	7.3-9.1-11.0	7.9-10.1-12.2	9.1-11.3-13.4
125 mm	L/S/m		96	143	189	235	282	328	375	423	468
	NC		-	-	18	24	29	33	37	41	43
	Throw (m)	Sill or Floor	1.2-1.2-1.2	2.7-2.7-2.7	4.3-4.3-4.3	5.2-5.2-5.2	6.4-6.4-6.7	7.3-7.3-7.3	8.2-8.2-8.2	8.8-8.8-8.8	9.8-9.8-9.8
		Side Wall	2.1-2.7-3.7	3.4-4.3-5.5	4.3-5.5-6.7	5.2-6.4-7.9	6.4-7.9-9.4	7.3-8.8-10.7	8.2-10.1-11.9	9.1-11.0-13.1	10.1-12.2-14.3
150 mm	L/S/m		118	175	235	294	353	412	468	530	589
	NC		-	-	19	25	30	35	38	41	44
	Throw (m)	Sill or Floor	1.5-1.5-1.5	3.0-3.0-3.0	4.6-4.6-4.6	5.5-5.5-5.5	7.0-7.0-7.0	7.6-7.6-7.6	8.5-8.5-8.8	9.4-9.4-9.4	10.4-10.4-10.4
		Side Wall	2.4-3.0-4.0	3.7-4.6-5.8	4.6-5.8-7.0	6.1-7.3-8.5	7.0-8.2-9.8	7.9-9.4-11.3	8.8-10.4-12.2	10.1-12.2-13.7	11.3-13.1-14.9

For Performance Notes and Correction Factors, see page A124

Performance Data - Metric Units - Core 16A

Size	Static Pressure (Pa)		3	7	12	20	28	38	50	63	77
38 mm	L/S/m		19	29	39	48	59	68	77	87	96
	NC		-	-	21	27	33	38	41	45	48
	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.9-0.9-0.9	1.2-1.2-1.2	2.1-2.1-2.1	2.7-2.7-3.0	3.0-3.4-3.7	3.7-4.0-4.6	4.0-4.3-4.9	4.3-4.9-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-3.0-4.3	2.1-3.7-5.2	2.7-4.3-6.1	3.0-4.9-6.7	3.7-5.5-7.6	4.0-6.1-8.2	4.3-6.7-9.1
51 mm	L/S/m		28	42	56	68	84	98	112	125	136
	NC		-	-	17	24	30	35	38	42	44
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	1.8-1.8-1.8	2.7-2.7-2.7	3.4-3.4-3.7	3.7-4.0-4.6	4.3-4.9-5.5	4.6-5.2-5.8	4.9-5.5-6.1
		Side Wall	0.9-1.5-2.1	1.5-2.4-3.4	2.1-3.4-4.6	2.7-4.3-5.8	3.4-4.9-6.7	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-9.1	4.9-7.3-9.8
63 mm	L/S/m		37	54	73	91	110	129	146	164	183
	NC		-	-	16	23	29	34	37	41	44
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.5-1.5-1.5	2.4-2.4-2.4	3.0-3.0-3.4	4.0-4.3-4.6	4.3-4.6-5.2	5.2-5.5-6.1	5.8-6.1-6.4	6.4-6.4-6.7
		Side Wall	1.2-1.8-2.4	1.8-2.7-3.7	2.4-3.7-4.9	3.0-4.6-6.1	4.0-5.8-7.3	4.3-6.1-7.9	5.2-7.0-9.1	5.8-7.9-10.1	6.4-8.5-11.0
76 mm	L/S/m		45	67	90	112	135	156	180	201	223
	NC		-	-	17	23	29	33	37	41	44
	Throw (m)	Sill or Floor	0.6-0.6-0.6	1.8-1.8-1.8	2.7-2.7-2.7	3.7-3.7-4.0	4.6-4.6-4.9	5.2-5.5-5.8	6.1-6.4-6.7	6.4-6.7-7.0	7.0-7.0-7.3
		Side Wall	1.2-1.8-2.7	2.1-3.0-4.0	2.7-4.0-5.2	3.7-4.9-6.4	4.6-6.1-7.6	5.2-6.7-8.5	6.1-7.9-9.8	6.4-8.5-10.7	7.0-9.4-11.9
89 mm	L/S/m		54	81	108	135	161	189	215	243	270
	NC		-	-	17	23	29	34	38	41	44
	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.4-2.4-2.4	3.4-3.4-3.4	4.0-4.0-4.3	4.9-5.2-5.5	5.8-6.1-6.4	6.7-6.7-7.0	7.0-7.3-7.6	7.9-7.9-7.9
		Side Wall	1.5-2.1-2.7	2.4-3.4-4.3	3.4-4.6-5.8	4.0-5.2-6.7	4.9-6.4-7.9	5.8-7.3-9.1	6.7-8.5-10.4	7.0-9.1-11.3	7.9-10.1-12.5
100 mm	L/S/m		65	98	130	163	195	228	260	293	325
	NC		-	-	18	25	30	34	39	42	45
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.7-2.7-2.7	3.7-3.7-3.7	4.6-4.6-4.6	5.5-5.8-6.1	6.4-6.4-6.7	7.0-7.3-7.6	7.6-7.6-7.9	8.5-8.5-8.5
		Side Wall	1.5-2.1-3.0	2.7-3.7-4.6	3.7-4.9-6.1	4.6-5.8-7.3	5.5-7.0-8.5	6.4-7.9-9.8	7.0-8.8-10.7	7.6-9.8-11.9	8.8-11.0-13.1
125 mm	L/S/m		84	125	167	209	251	293	335	376	418
	NC		-	-	19	26	31	36	40	43	47
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.7-2.7-2.7	4.0-4.0-4.0	4.9-4.9-5.2	6.1-6.1-6.4	7.0-7.0-7.3	7.6-7.6-7.9	8.5-8.5-8.5	9.4-9.4-9.4
		Side Wall	2.1-2.7-3.7	3.0-4.0-5.2	4.3-5.5-6.7	4.9-6.4-7.9	6.1-7.6-9.1	7.0-8.5-10.4	7.6-9.4-11.3	8.5-10.4-12.5	9.4-11.6-13.7
150 mm	L/S/m		102	153	204	256	307	358	409	460	511
	NC		-	-	19	25	31	36	40	43	46
	Throw (m)	Sill or Floor	1.2-1.2-1.2	3.0-3.0-3.0	4.3-4.3-4.3	5.5-5.5-5.5	6.7-6.7-6.7	7.6-7.6-7.6	8.5-8.5-8.5	9.1-9.1-9.1	9.8-9.8-9.8
		Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.8-7.0-8.2	7.0-8.2-9.4	7.6-9.1-10.7	8.5-10.1-11.9	9.4-11.3-13.1	10.4-12.2-14.0

For Performance Notes and Correction Factors, see page A124

Performance Data - Metric Units - Core 15B

Size	Static Pressure (Pa)		2	5	9	14	20	27	36	45	56
38 mm	L/S/m		19	28	37	46	56	65	74	84	93
	NC		-	-	-	-	19	24	27	30	34
	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.6-0.6-0.6	1.2-1.2-1.2	2.1-2.1-2.1	2.4-2.7-3.0	3.0-3.4-3.7	3.4-3.7-4.3	3.7-4.3-5.2	4.0-4.6-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-2.7-4.0	2.1-3.7-5.2	2.7-4.0-5.8	3.0-4.9-6.7	3.4-5.2-7.3	3.7-5.8-7.9	4.0-6.4-8.8
51 mm	L/S/m		29	45	60	76	91	107	121	136	152
	NC		-	-	-	-	20	24	28	31	35
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	2.1-2.1-2.1	2.7-2.7-3.0	3.4-3.4-3.7	4.0-4.3-4.9	4.3-4.9-5.5	4.6-5.2-6.1	5.2-5.8-6.4
		Side Wall	0.9-1.5-2.1	1.5-2.4-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.4-5.2-7.0	4.0-5.8-7.9	4.3-6.4-8.5	4.6-6.7-9.1	5.2-7.6-10.1
63 mm	L/S/m		42	62	84	104	124	146	166	187	208
	NC		-	-	-	-	20	25	29	32	35
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.5-1.5-1.5	2.7-2.7-2.7	3.4-3.4-3.7	4.0-4.3-4.6	4.6-4.9-5.2	5.5-5.8-6.1	6.1-6.4-7.0	7.0-7.3-7.6
		Side Wall	1.2-1.8-2.4	1.8-2.7-4.0	2.7-4.0-5.2	3.4-4.9-6.4	4.0-5.5-7.3	4.6-6.4-8.5	5.2-7.3-9.4	6.1-8.2-10.7	7.0-9.4-11.9
76 mm	L/S/m		56	82	110	138	166	194	220	248	276
	NC		-	-	-	-	23	27	31	34	37
	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.1-2.1-2.1	3.0-3.0-3.4	3.7-4.0-4.3	4.6-4.9-5.2	5.5-5.8-6.1	6.1-6.4-7.0	7.0-7.3-7.6	7.6-7.6-7.9
		Side Wall	1.5-2.1-3.0	2.1-3.0-4.3	3.0-4.3-5.8	3.7-5.2-7.0	4.6-6.1-7.9	5.5-7.3-9.1	6.1-8.2-10.4	7.0-9.1-11.6	7.6-10.1-12.5
89 mm	L/S/m		68	104	138	172	206	242	276	310	344
	NC		-	-	-	-	24	28	32	36	39
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.4-2.4-2.4	3.7-3.7-3.7	4.6-4.6-4.9	5.5-5.8-6.1	6.1-6.4-7.0	7.0-7.3-7.6	7.6-7.9-8.2	8.8-8.8-8.8
		Side Wall	1.5-2.1-3.0	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.5-7.0-8.5	6.1-7.9-9.8	7.0-8.8-11.0	7.6-9.8-12.2	8.8-11.0-13.4
100 mm	L/S/m		82	122	164	204	246	287	328	369	409
	NC		-	-	-	-	25	29	33	37	40
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.7-2.7-2.7	4.0-4.0-4.0	4.9-4.9-5.2	6.1-6.1-6.4	6.7-7.0-7.3	7.3-7.6-7.9	8.2-8.2-8.2	9.1-9.1-9.1
		Side Wall	1.8-2.4-3.4	3.0-4.0-5.2	4.0-5.2-6.4	4.9-6.1-7.6	6.1-7.6-9.1	6.7-8.5-10.4	7.3-9.1-11.3	8.5-10.7-12.8	9.4-11.6-13.7
125 mm	L/S/m		107	161	214	268	322	375	429	483	536
	NC		-	-	-	-	27	31	35	38	41
	Throw (m)	Sill or Floor	1.2-1.2-1.2	3.0-3.0-3.0	4.3-4.3-4.3	5.5-5.5-5.5	6.7-6.7-7.0	7.3-7.3-7.3	8.2-8.2-8.5	9.1-9.1-9.4	9.8-9.8-9.8
		Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.5-6.7-8.2	6.7-8.2-9.8	7.3-9.1-11.0	8.2-10.1-12.2	9.1-11.3-13.4	10.4-12.5-14.6
150 mm	L/S/m		133	200	268	335	401	469	536	603	669
	NC		-	-	-	-	28	32	36	39	42
	Throw (m)	Sill or Floor	1.5-1.5-1.5	3.0-3.0-3.0	4.6-4.6-4.6	5.5-5.5-5.5	7.0-7.0-7.0	7.6-7.6-7.6	8.5-8.5-8.5	9.4-9.4-9.4	9.8-9.8-9.8
		Side Wall	2.7-3.7-4.6	4.0-4.9-6.1	4.9-6.1-7.3	6.1-7.3-8.8	7.3-8.8-10.4	8.8-10.1-11.9	9.1-10.7-12.5	10.4-12.2-14.0	11.6-13.4-15.2

For Performance Notes and Correction Factors, see page A124

Performance Data - Metric Units - Core 16B

Size	Static Pressure (Pa)		2	5	9	14	20	27	36	45	56
38 mm	L/S/m		19	33	43	54	64	76	87	98	108
	NC		-	-	-	-	28	33	37	41	44
	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.9-0.9-0.9	1.5-1.5-1.5	2.4-2.4-2.4	2.7-2.7-3.0	3.0-3.4-4.0	3.7-4.0-4.6	4.0-4.6-5.2	4.3-4.9-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-3.0-4.3	2.4-4.0-5.5	2.7-4.3-6.1	3.0-4.9-7.0	3.7-5.5-7.6	4.0-6.1-8.2	4.3-6.7-9.1
51 mm	L/S/m		31	46	62	77	93	108	124	139	155
	NC		-	-	-	-	25	30	34	38	40
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	2.1-2.1-2.1	2.7-2.7-3.0	3.4-3.7-4.0	3.7-4.3-4.9	4.3-4.9-5.5	4.6-5.2-6.1	5.5-5.8-6.1
		Side Wall	0.9-1.5-2.1	1.5-2.4-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.4-5.2-7.0	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-9.1	5.5-7.9-10.4
63 mm	L/S/m		42	62	84	104	124	146	167	187	208
	NC		-	-	-	-	25	30	34	37	41
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.5-1.5-1.5	2.4-2.4-2.7	3.4-3.4-3.7	4.0-4.3-4.6	4.6-4.9-5.5	5.2-5.8-6.4	6.1-6.4-6.7	6.7-6.7-7.0
		Side Wall	1.2-1.8-2.4	1.8-2.7-4.0	2.7-3.7-5.2	3.4-4.9-6.4	4.0-5.8-7.6	4.6-6.4-8.2	5.2-7.3-9.4	6.1-8.2-10.7	6.7-9.1-11.6
76 mm	L/S/m		51	76	102	127	152	178	203	229	254
	NC		-	-	-	-	25	30	33	37	40
	Throw (m)	Sill or Floor	0.6-0.6-0.6	1.8-1.8-1.8	3.0-3.0-3.0	3.7-3.7-4.0	4.6-4.9-5.2	5.5-5.8-6.1	6.1-6.4-7.0	7.0-7.0-7.3	7.6-7.6-7.6
		Side Wall	1.2-1.8-2.7	2.1-3.0-4.3	3.0-4.0-5.5	3.7-5.2-6.7	4.6-6.1-7.9	5.5-7.3-9.1	6.1-7.9-10.1	7.0-9.1-11.3	7.6-9.8-12.2
89 mm	L/S/m		62	91	124	153	184	214	245	276	307
	NC		-	-	-	-	25	29	33	37	40
	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.1-2.1-2.1	3.7-3.7-3.7	4.3-4.3-4.6	5.2-5.5-5.8	6.1-6.4-6.7	6.7-7.0-7.3	7.6-7.6-7.9	8.2-8.2-8.2
		Side Wall	1.5-2.1-3.0	2.4-3.4-4.6	3.7-4.9-6.1	4.3-5.5-7.0	5.2-6.7-8.2	6.1-7.6-9.4	6.7-8.5-10.7	7.6-9.8-11.9	8.2-10.4-12.8
100 mm	L/S/m		74	112	149	186	223	260	297	335	372
	NC		-	-	-	-	26	31	35	38	42
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.4-2.4-2.7	4.0-4.0-4.0	4.6-4.6-4.9	5.8-5.8-6.1	6.7-6.7-7.0	7.3-7.3-7.6	7.9-7.9-8.2	9.1-9.1-9.1
		Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	4.0-5.2-6.4	4.6-5.8-7.3	5.8-7.3-8.8	6.7-8.2-10.1	7.3-9.1-11.0	7.9-10.1-12.2	9.1-11.3-13.4
125 mm	L/S/m		96	144	192	239	287	335	383	429	477
	NC		-	-	-	-	27	32	36	39	42
	Throw (m)	Sill or Floor	1.2-1.2-1.2	2.7-2.7-2.7	4.3-4.3-4.3	5.2-5.2-5.2	6.1-6.4-6.7	7.3-7.3-7.3	7.9-7.9-8.2	8.8-8.8-8.8	9.8-9.8-9.8
		Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.2-6.4-7.9	6.1-7.6-9.4	7.3-8.8-10.7	7.9-10.1-11.6	8.8-10.7-12.8	9.8-11.9-14.0
150 mm	L/S/m		116	175	232	291	350	407	466	524	582
	NC		-	-	-	-	27	32	36	39	42
	Throw (m)	Sill or Floor	1.5-1.5-1.5	3.0-3.0-3.0	4.6-4.6-4.6	5.5-5.5-5.5	7.0-7.0-7.0	7.6-7.6-7.6	8.5-8.5-8.5	9.1-9.1-9.1	10.4-10.4-10.4
		Side Wall	2.7-3.4-4.3	4.0-4.9-6.1	4.9-6.1-7.3	6.1-7.3-8.5	7.0-8.2-9.8	7.6-9.1-11.0	8.5-10.1-11.9	9.4-11.3-13.1	10.7-12.5-14.3

For Performance Notes and Correction Factors, see page A124

Linear Bar Grilles LBMH Series



Performance Data - Metric Units - Core 25B/25C

Size	Static Pressure (Pa)		2	5	10	16	22	30	40	50	62
38 mm	L/S/m		19	28	37	46	56	65	74	84	93
	NC		-	-	-	-	18	24	28	31	34
	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.6-0.6-0.6	1.2-1.2-1.2	2.1-2.1-2.1	2.4-2.7-3.0	3.0-3.4-3.7	3.4-3.7-4.0	3.7-4.3-4.9	4.3-4.9-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.5-2.7-4.0	2.1-3.7-5.2	2.4-4.0-5.8	3.0-4.9-6.7	3.4-5.2-7.3	3.7-5.8-7.9	4.3-6.4-8.8
51 mm	L/S/m		31	45	60	76	91	107	122	138	152
	NC		-	-	-	-	21	25	29	33	36
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	2.1-2.1-2.1	2.7-2.7-3.0	3.0-3.4-4.0	4.0-4.3-4.9	4.3-4.9-5.5	4.6-5.2-6.1	5.2-5.8-6.4
		Side Wall	0.9-1.5-2.1	1.5-2.7-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.0-4.9-7.0	4.0-5.8-7.9	4.3-6.4-8.5	4.6-6.7-9.1	5.2-7.6-10.1
63 mm	L/S/m		43	67	88	110	132	153	181	194	220
	NC		-	-	-	18	23	27	32	34	37
	Throw (m)	Sill or Floor	0.6-0.6-0.6	1.8-1.8-1.8	2.4-2.4-2.7	3.4-3.7-4.0	4.0-4.3-4.9	4.6-5.2-5.8	5.5-6.1-6.7	6.4-6.7-7.0	6.7-7.0-7.3
		Side Wall	1.2-1.8-2.7	1.8-2.7-3.7	2.4-3.7-5.2	3.4-4.9-6.7	4.0-5.8-7.6	4.6-6.4-8.5	5.5-7.6-9.8	6.4-8.5-11.0	6.7-9.1-11.9
76 mm	L/S/m		59	88	118	147	175	204	234	263	294
	NC		-	-	-	20	25	30	33	36	40
	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.1-2.1-2.1	3.0-3.0-3.4	3.7-4.0-4.6	4.6-4.9-5.5	5.5-5.8-6.4	6.1-6.7-7.3	7.3-7.3-7.6	7.9-7.9-8.2
		Side Wall	1.5-2.1-3.0	2.1-3.4-4.6	3.0-4.3-5.8	3.7-5.2-7.0	4.6-6.4-8.2	5.5-7.3-9.4	6.1-8.2-10.4	7.3-9.4-11.9	7.9-10.4-12.8
89 mm	L/S/m		70	105	141	177	206	246	285	318	353
	NC		-	-	-	20	25	30	34	37	41
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.4-2.4-2.4	3.7-3.7-3.7	4.6-4.6-4.9	5.5-5.8-6.1	6.1-6.4-6.7	7.0-7.3-7.6	7.6-7.9-8.2	8.8-8.8-8.8
		Side Wall	1.5-2.1-3.0	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.5-7.0-8.5	6.1-7.9-9.8	7.0-8.8-11.0	7.6-9.8-12.2	8.8-11.0-13.4
100 mm	L/S/m		84	125	167	209	251	293	335	376	418
	NC		-	-	-	21	26	31	34	38	41
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.7-2.7-2.7	4.0-4.0-4.0	4.9-4.9-5.2	6.1-6.1-6.4	6.7-7.0-7.3	7.3-7.6-7.9	8.5-8.5-8.5	9.4-9.4-9.4
		Side Wall	1.8-2.4-3.4	3.0-4.0-5.2	4.0-5.2-6.4	4.9-6.4-7.9	6.1-7.6-9.1	6.7-8.5-10.4	7.3-9.1-11.3	8.5-10.7-12.8	9.4-11.6-14.0
125 mm	L/S/m		112	167	223	279	335	390	448	502	558
	NC		-	-	17	23	28	33	37	40	43
	Throw (m)	Sill or Floor	1.2-1.2-1.2	3.0-3.0-3.0	4.6-4.6-4.6	5.5-5.5-5.5	6.7-6.7-7.0	7.6-7.6-7.6	8.2-8.2-8.5	9.1-9.1-9.1	10.4-10.4-10.4
		Side Wall	2.4-3.0-4.0	3.4-4.3-5.5	4.6-5.8-7.0	5.5-6.7-8.2	6.7-8.2-9.8	7.6-9.4-11.3	8.2-10.1-12.2	9.1-11.3-13.4	10.4-12.5-14.6
150 mm	L/S/m		139	209	279	349	418	486	558	626	697
	NC		-	-	17	24	30	34	38	41	45
	Throw (m)	Sill or Floor	1.5-1.5-1.5	3.0-3.0-3.0	4.6-4.6-4.6	5.8-5.8-5.8	7.0-7.0-7.0	7.6-7.6-7.6	8.8-8.8-8.8	9.4-9.4-9.4	11.0-11.0-11.0
		Side Wall	2.7-3.4-4.3	4.0-4.9-6.1	4.9-6.1-7.3	6.1-7.3-8.8	7.3-8.8-10.4	8.5-10.1-11.9	9.1-10.7-12.5	10.4-12.2-14.0	11.6-13.4-15.2

For Performance Notes and Correction Factors, see page A124

Performance Data - Metric Units - Core 26B/26C

Size	Static Pressure (Pa)		3	6	12	19	27	36	48	60	75
38 mm	L/S/m		20	29	40	50	60	70	79	90	99
	NC		-	-	19	25	31	36	40	43	46
	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.9-0.9-0.9	1.5-1.5-1.5	2.1-2.1-2.1	2.7-2.7-3.0	3.0-3.4-3.7	3.7-4.0-4.6	4.0-4.6-5.2	4.3-4.9-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-3.0-4.3	2.1-3.7-5.2	2.7-4.3-6.1	3.0-4.9-7.0	3.7-5.5-7.6	4.0-6.1-8.2	4.3-6.7-9.1
51 mm	L/S/m		29	45	60	74	90	104	119	135	149
	NC		-	-	16	23	29	33	37	41	44
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	2.1-2.1-2.1	2.7-2.7-3.0	3.4-3.7-4.0	4.0-4.3-4.6	4.6-4.9-5.5	4.9-5.5-6.1	5.2-5.8-6.7
		Side Wall	0.9-1.5-2.1	1.5-2.4-3.7	2.1-3.4-4.9	2.7-4.3-6.1	3.4-5.2-7.3	4.0-5.8-7.9	4.6-6.7-8.8	4.9-7.0-9.4	5.2-7.6-10.4
63 mm	L/S/m		40	62	82	102	122	143	163	184	204
	NC		-	-	16	23	28	33	37	41	45
	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.5-1.5-1.5	2.7-2.7-2.7	3.4-3.4-3.7	4.0-4.3-4.6	4.6-4.9-5.5	5.2-5.8-6.4	6.1-6.4-6.7	6.7-6.7-7.0
		Side Wall	1.2-1.8-2.4	1.8-2.7-4.0	2.7-4.0-5.2	3.4-4.9-6.4	4.0-5.5-7.3	4.6-6.4-8.2	5.2-7.3-9.4	6.1-8.2-10.4	6.7-8.8-11.6
76 mm	L/S/m		53	79	105	132	158	184	211	235	263
	NC		-	-	16	23	29	34	38	41	45
	Throw (m)	Sill or Floor	0.6-0.6-0.6	1.8-1.8-1.8	3.0-3.0-3.4	3.7-4.0-4.3	4.6-4.9-5.5	5.5-5.8-6.1	6.1-6.4-7.0	7.0-7.3-7.6	7.6-7.6-7.6
		Side Wall	1.2-1.8-2.7	2.1-3.0-4.3	3.0-4.3-5.8	3.7-5.2-6.7	4.6-6.1-7.9	5.5-7.3-9.1	6.1-8.2-10.1	7.0-9.1-11.3	7.6-10.1-12.2
89 mm	L/S/m		65	98	130	164	195	229	262	294	328
	NC		-	-	18	25	30	36	40	43	47
	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.4-2.4-2.4	3.4-3.4-3.7	4.6-4.6-4.6	5.2-5.5-5.8	6.4-6.4-6.7	7.0-7.0-7.6	7.6-7.6-7.9	8.5-8.5-8.8
		Side Wall	1.5-2.1-3.0	2.4-3.4-4.6	3.4-4.6-6.1	4.3-5.8-7.3	5.2-6.7-8.5	6.4-8.2-10.1	6.7-8.5-10.7	7.6-9.4-11.9	8.5-10.7-13.1
100 mm	L/S/m		77	116	155	194	232	271	310	349	387
	NC		-	-	19	25	31	35	40	44	47
	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.7-2.7-2.7	4.0-4.0-4.0	4.9-4.9-5.2	5.8-6.1-6.4	6.7-6.7-7.0	7.3-7.6-7.9	8.2-8.2-8.2	9.1-9.1-9.1
		Side Wall	1.8-2.4-3.4	3.0-4.0-5.2	4.0-5.2-6.4	4.9-6.1-7.6	5.8-7.3-8.8	6.7-8.5-10.1	7.3-9.1-11.3	8.2-10.7-12.5	9.1-11.3-13.4
125 mm	L/S/m		102	153	204	256	308	358	409	460	511
	NC		-	-	20	27	33	38	42	46	48
	Throw (m)	Sill or Floor	1.2-1.2-1.2	3.0-3.0-3.0	4.3-4.3-4.3	5.5-5.5-5.5	6.4-6.4-6.7	7.3-7.3-7.6	7.9-8.2-8.5	9.1-9.1-9.1	9.8-9.8-9.8
		Side Wall	2.4-3.4-4.0	3.4-4.6-5.5	4.3-5.5-7.0	5.5-6.7-8.2	6.4-8.8-9.4	7.3-9.1-10.7	7.9-9.8-11.9	9.1-10.7-13.1	9.8-11.6-14.0
150 mm	L/S/m		130	195	260	325	390	455	520	586	651
	NC		-	-	22	29	35	40	43	47	50
	Throw (m)	Sill or Floor	1.5-1.5-1.5	3.0-3.0-3.0	4.6-4.6-4.6	5.8-5.8-5.8	7.0-7.0-7.0	7.6-7.6-7.6	8.5-8.5-8.8	9.4-9.4-9.4	10.7-10.7-10.7
		Side Wall	2.7-3.7-4.6	4.0-4.9-6.1	5.2-6.4-7.6	6.1-7.3-8.8	7.0-8.5-10.1	7.9-9.4-11.3	8.5-10.4-12.2	9.1-11.3-13.4	10.7-12.5-14.3

For Performance Notes and Correction Factors, see page A124

Performance Data - Metric Units - Core 25B/25C

Size	Static Pressure (Pa)	3	6	12	19	27	36	48	60	62	
	L/S/m	20	29	40	50	59	70	79	90	93	
	NC	-	16	24	31	36	41	45	48	34	
38 mm	Throw (m)	Sill or Floor	0.3-0.3-0.3	0.6-0.6-0.6	1.2-1.2-1.2	1.8-1.8-1.8	2.4-2.4-2.7	2.7-3.0-3.4	3.0-3.4-4.0	3.7-4.0-4.6	4.3-4.9-5.5
		Side Wall	0.6-1.2-1.8	1.2-2.1-3.0	1.8-2.7-4.0	2.1-3.4-4.9	2.4-4.0-5.8	2.7-4.6-6.4	3.0-4.9-7.0	3.7-5.5-7.6	4.3-6.4-8.8
	L/S/m	29	45	59	74	90	104	119	133	152	
	NC	-	-	20	26	31	36	40	43	36	
51 mm	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.2-1.2-1.2	1.8-1.8-1.8	2.7-2.7-2.7	3.4-3.4-3.7	3.7-4.0-4.6	4.3-4.6-5.2	4.6-5.2-5.8	5.2-5.8-6.4
		Side Wall	0.9-1.5-2.1	1.5-2.4-3.4	2.1-3.4-4.6	2.7-4.3-5.8	3.4-4.9-6.7	3.7-5.5-7.6	4.3-6.1-8.2	4.6-6.7-9.1	5.2-7.6-10.1
	L/S/m	40	60	81	101	119	141	161	181	220	
	NC	-	-	20	26	31	36	40	43	37	
63 mm	Throw (m)	Sill or Floor	0.3-0.3-0.3	1.5-1.5-1.5	2.4-2.4-2.4	3.0-3.0-3.4	4.0-4.3-4.6	4.6-4.9-5.2	4.9-5.5-6.1	6.1-6.1-6.4	6.7-7.0-7.3
		Side Wall	1.2-1.8-2.4	1.8-2.7-3.7	2.4-3.7-4.9	3.0-4.6-6.1	4.0-5.8-7.3	4.3-6.1-7.9	5.2-7.0-9.1	5.8-7.9-10.1	6.7-9.1-11.9
	L/S/m	51	77	102	129	155	180	206	231	294	
	NC	-	-	20	26	31	36	40	43	40	
76 mm	Throw (m)	Sill or Floor	0.6-0.6-0.6	1.8-1.8-1.8	2.7-2.7-3.0	3.7-3.7-4.0	4.6-4.9-5.2	5.5-5.8-6.1	6.1-6.4-6.7	7.0-7.0-7.0	7.9-7.9-8.2
		Side Wall	1.2-1.8-2.7	2.1-3.0-4.0	2.7-4.0-5.2	3.7-4.9-6.4	4.6-6.1-7.6	5.2-6.7-8.5	6.1-7.9-9.8	6.4-8.5-10.7	7.9-10.4-12.8
	L/S/m	62	93	124	155	186	217	248	279	353	
	NC	-	-	20	27	32	36	40	43	41	
89 mm	Throw (m)	Sill or Floor	0.6-0.6-0.6	2.1-2.1-2.1	3.0-3.0-3.4	4.6-4.6-4.6	5.2-5.5-5.8	6.1-6.4-6.7	6.7-7.0-7.3	7.6-7.6-7.9	8.8-8.8-8.8
		Side Wall	1.5-2.1-2.7	2.4-3.4-4.3	3.4-4.6-5.8	4.0-5.2-6.7	4.9-6.4-7.9	5.8-7.3-9.1	6.7-8.5-10.4	7.0-9.1-11.3	8.8-11.0-13.4
	L/S/m	76	113	150	189	226	265	302	339	418	
	NC	-	-	21	27	33	37	41	44	41	
100 mm	Throw (m)	Sill or Floor	0.9-0.9-0.9	2.4-2.4-2.4	3.7-3.7-4.0	4.6-4.6-4.9	5.8-5.8-6.1	6.4-6.7-7.0	7.3-7.3-7.6	7.9-7.9-8.2	9.4-9.4-9.4
		Side Wall	1.8-2.4-3.4	2.7-3.7-4.9	3.7-4.9-6.1	4.6-6.1-7.6	5.8-7.3-8.8	6.4-7.9-9.8	7.3-9.1-11.0	7.9-10.1-12.2	9.4-11.6-14.0
	L/S/m	98	147	195	245	294	342	392	440	558	
	NC	-	-	22	28	33	38	42	45	43	
125 mm	Throw (m)	Sill or Floor	1.2-1.2-1.2	2.7-2.7-2.7	4.3-4.3-4.3	5.2-5.2-5.2	6.4-6.4-6.7	7.3-7.3-7.3	8.2-8.2-8.2	8.8-8.8-8.8	10.4-10.4-10.4
		Side Wall	2.1-2.7-3.7	3.4-4.3-5.8	4.3-5.5-6.7	5.2-6.4-7.9	6.4-7.9-9.4	7.3-8.8-10.7	8.2-10.1-11.9	9.1-11.0-13.1	10.4-12.5-14.6
	L/S/m	118	177	235	294	353	412	471	530	697	
	NC	-	-	22	29	34	39	42	46	45	
150 mm	Throw (m)	Sill or Floor	1.5-1.5-1.5	3.0-3.0-3.0	4.6-4.6-4.6	5.5-5.5-5.5	7.0-7.0-7.0	7.6-7.6-7.6	8.5-8.5-8.5	9.4-9.4-9.4	11.0-11.0-11.0
		Side Wall	2.4-3.0-4.0	3.7-4.6-5.5	4.6-5.8-7.0	6.1-7.3-8.5	7.0-8.2-9.8	7.9-9.4-11.3	8.8-10.4-12.2	10.1-11.9-13.7	11.6-13.4-15.2

Performance Notes:

Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"

1. All pressures are in Pascals.

2. Maximum throws are to a terminal velocity of 0.25 m/s, middle throws are to a terminal velocity of 0.5 m/s and minimum throws are to a terminal velocity of 0.75 m/s.

3. Throw values are based on a 1.2 m active section of grille with a cooling temperature differential of 11°C. The multiplier factors listed in the table below are applicable for other lengths.

4. The NC values are based on a room absorption of 10 dB re 10⁻¹² watts.

5. Return air applications, when used as a return air intake, add 4 to NC value shown and multiply Static Pressure by 0.8.

6. Blank (-) spaces indicate an NC level below 15.

Throw Correction for Length (multiply)

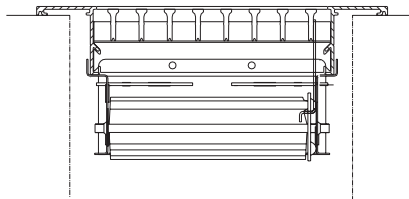
Active Length	Terminal Velocity (m/s)		
	0.75	0.5	0.25
0.3 m	0.5	0.6	0.7
3 m or continuous	1.6	1.4	1.2

NC Correction for Length

Active Length in m	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

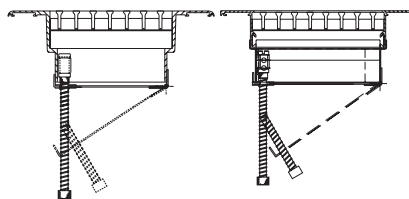
Accessories

VCS3 Opposed Blade Damper



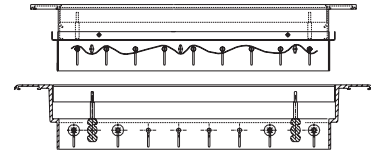
Gang operated damper blades move simultaneously in opposite directions for smooth volume control from fully open to fully closed. Operable from grille face.

VCS2 Blade Type Damper



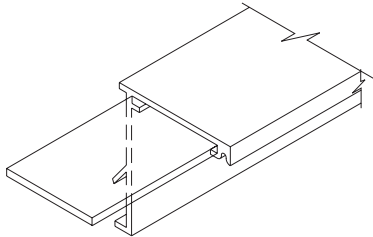
Damper is hinged at rear of grille frame. When opened, blade swings back into the duct. For 2 1/2 in. [63] to 8 in. [203] duct size, the damper is screwdriver operated from the face of the grille.

DV Directional Vanes



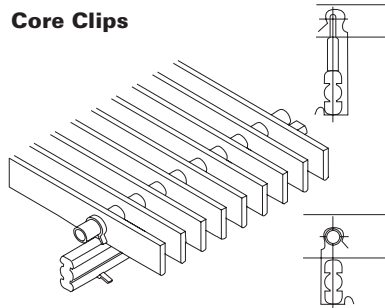
Individually adjustable blades mounted in the grille frame behind the face bars to increase the spread or to provide directional air pattern. Can function as an equalizing grid. Extruded aluminum vanes spaced on 1 in. [25] centers. Also available with VCS3 opposed blade damper mounted behind directional vanes for complete air flow control (duct sizes 2 1/2 in. [63] or greater, LBP and LBPH only).

Alignment Pins / Splice Plates



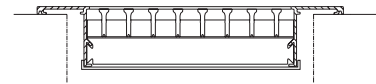
Alignment splice plates are supplied loose with LBP/LBPH when the maximum length of linear bar grille exceeds the one section limit of 72 in. [1829], or where a mitered corner module has been specified. These ensure alignment of each section for a smooth uninterrupted finish.

Core Clips



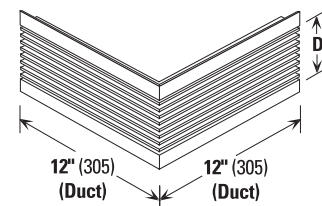
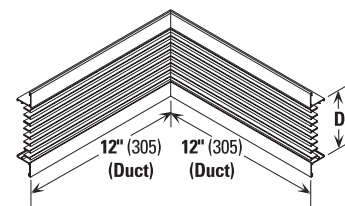
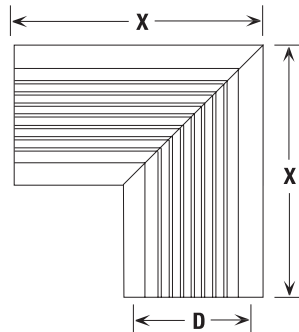
Core clips are supplied loose with LBMH/LBPH Series linear bar grilles to fasten removable core to border frame. In sidewall applications, core clips are required to secure core to border frame. In floor applications, core can Lay-in to border frame or be secured for tamper-proof installation. Not required on LBP.

BOS Blank-Off Strips



Used to make a grille section or portion of a grille section inactive. Blank-off strips are custom fabricated of sheet aluminum in lengths as required, and shipped loose for field installation. Available for all widths of linear bar grilles. Finish B17 black enamel.

MC90 / MC135 Mitered Corner Modules



Mitered corner modules are available for all series of linear bar grilles in four standard configurations. MC90 and MC135 are for floor or sill applications where a 90° or 135° miter is specified. MCSI (inside corner) and MCSO (outside corner) are for sidewall applications that require a 90° miter. All mitered corner modules are constructed of extruded aluminum and factory assembled into an all-welded precision miter. The spaces between the bars

are open. If specified for a supply air application, consideration should be given to blank-off strips to one or both legs of the miter section. Finish to match the associated straight sections of the bar grille.

Note that if the linear bar grille specified has a deflected core (15° or 30°), the direction of the deflection must be specified in MC90 or MC135 modules to match that of the associated straight sections.

For compound or custom angles, please contact your Price sales rep.

Universal Plenum UP / UPL Series UPC / UPLC Series

Product Information

Models

Universal Plenum Low Profile	UPL
Universal Plenum	UP
Curved Universal Plenum	UPC
Curved Universal Plenum Low Profile	UPLC

The **Price Universal Plenum** product line is designed to fit Custom Flow (AS/JS), SDS and Linear Bar products. It is available in two models, the Low Profile Universal Plenum (UPL) and the Universal Plenum (UP) models in straight and curved configurations. Both models are constructed from coated steel and can be easily adapted for continuous applications by bending out or trimming off the flap located at the bottom of each end cap. The air inlet collar is provided with 1 1/4 in. [32] flange for fast and easy flexible duct connection.

The Low Profile Plenum (UPL) is offered with an oval inlet, with an overall height restricted to 9 in. This Low Profile Plenum is an excellent choice for applications with limited ceiling height.

The Universal Plenum (UP) is the larger version of Price Universal Plenum family of products and comes with a round inlet. The internally insulated model features a 1/2 in. kick-out in the plenum wall to accommodate insulation.

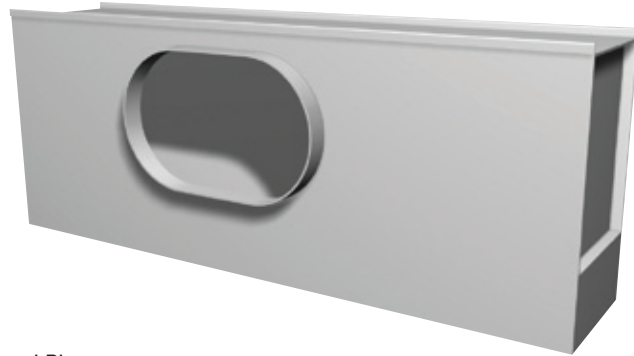
- Hemmed or straight plenum wall.
- Kick-out in plenum wall to accommodate insulation (UP model with CF or FF insulation).
- 1 1/4 in. flange for easy flexible duct connection.
- Coated steel construction.
- Bend out tab for continuous applications.
- Curved models available for flat-face, concave or convex.

Max. Width	
UP	24 in.
UPL	12 in.

Model	Nominal Length		Inlet	Height
	Imperial (in.)	Metric [mm]		
UPL	24	610	6*[4x7],	9 in.
	36	914	7*[4x8.5 in.],	
	48	1219	8*[4x10.125 in.],	
	60	1524	9*[4x11.687], 10*[4x13.250], 12*[16.375]	
UP	24	610	6, 7, 8,	Inlet + 4 in.
	36	914	9, 10, 12	
	48	1219		
	60	1524		

Note: Inlets marked with * are oval.

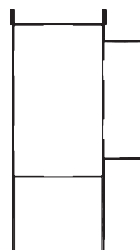
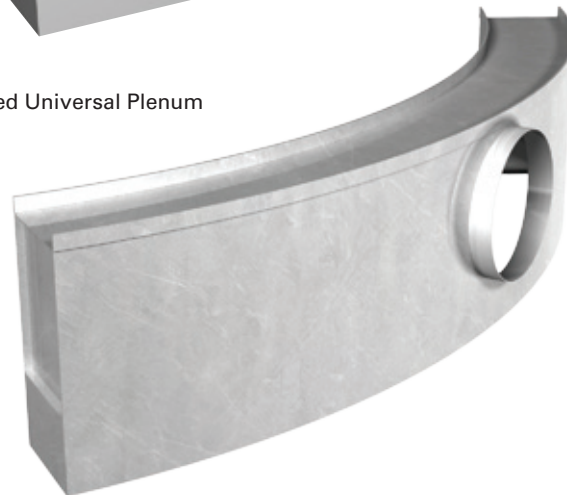
UPL Universal Plenum Low Profile



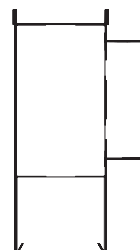
UP Universal Plenum



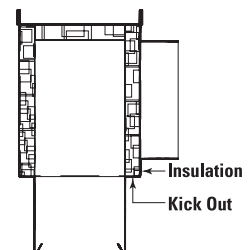
UPC Curved Universal Plenum



Straight Edge



Hemmed Edge

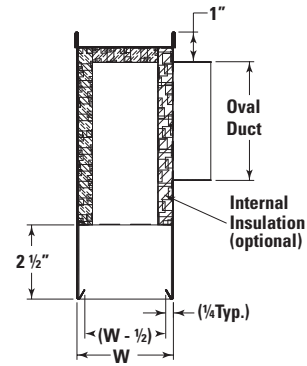
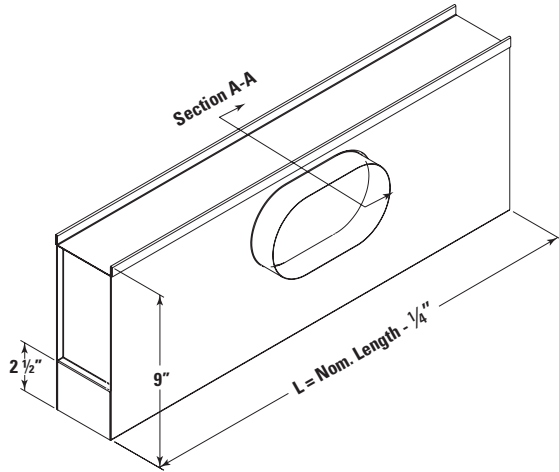


Hemmed Insulated Plenum

Models

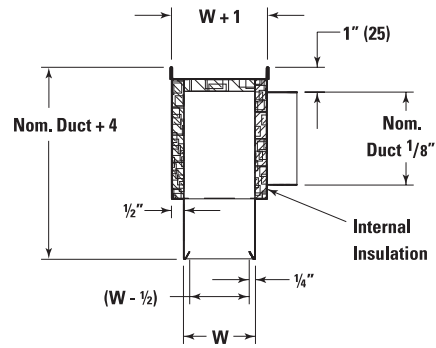
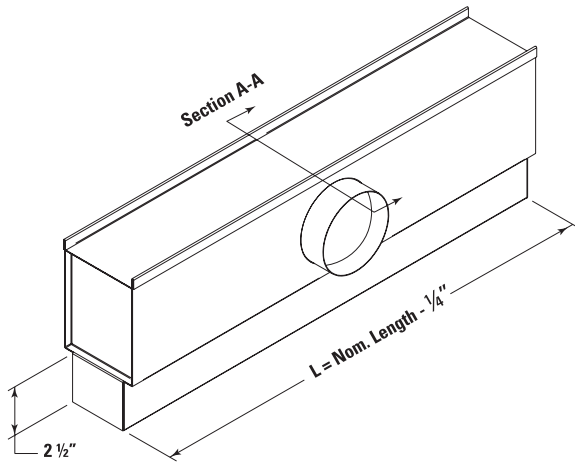
LINEAR DIFFUSERS AND GRILLES

UPL Universal Plenum Low Profile



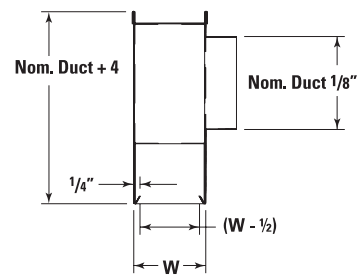
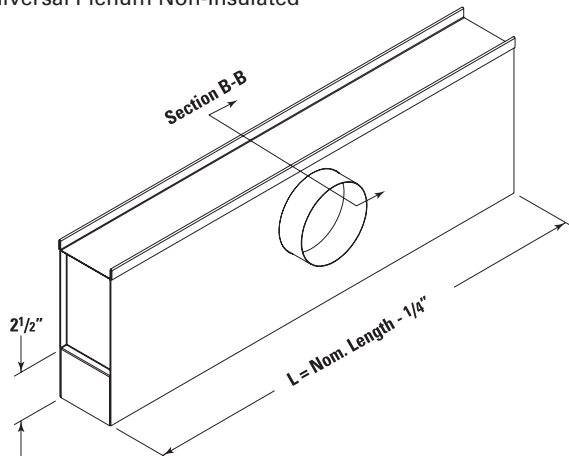
Section A-A

UP Universal Plenum Internally Insulated



Section A-A

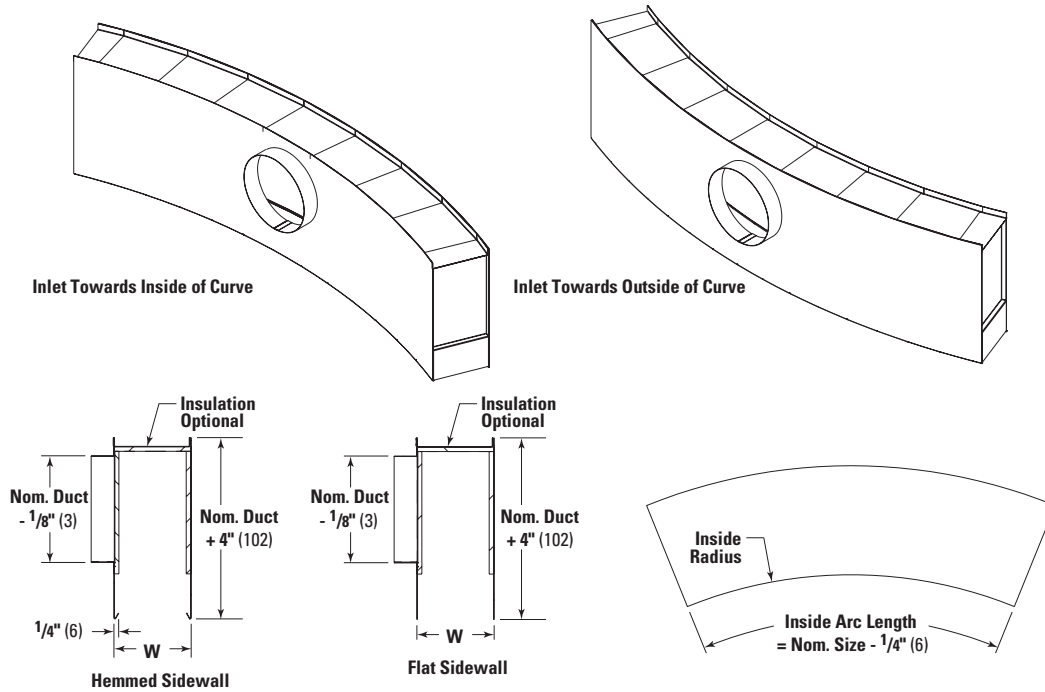
UP Universal Plenum Non-Insulated



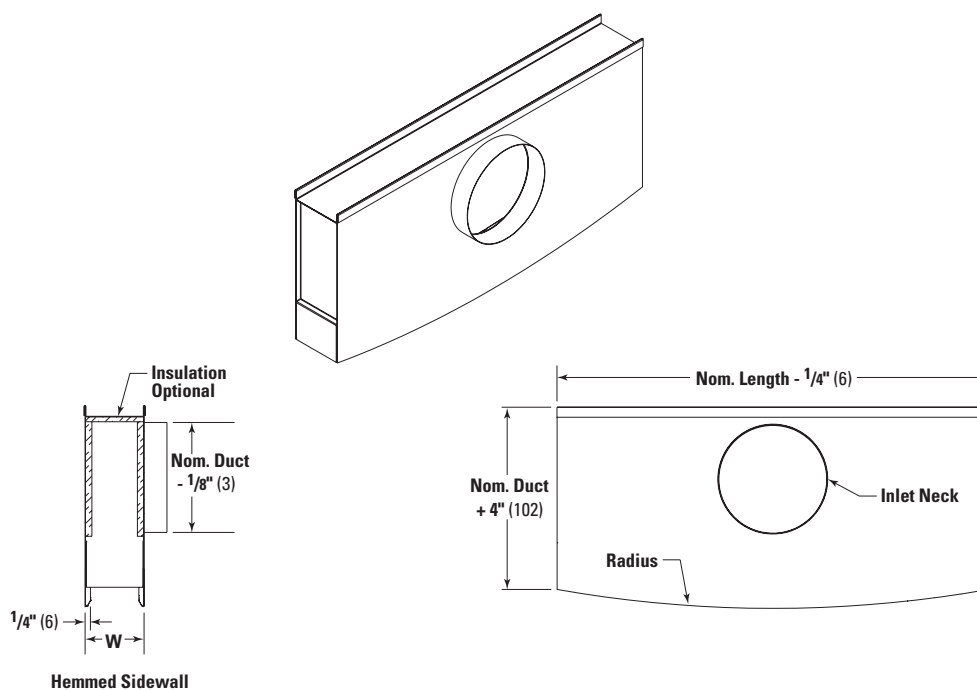
Section B-B

Models

UPC Concave Curved Plenum



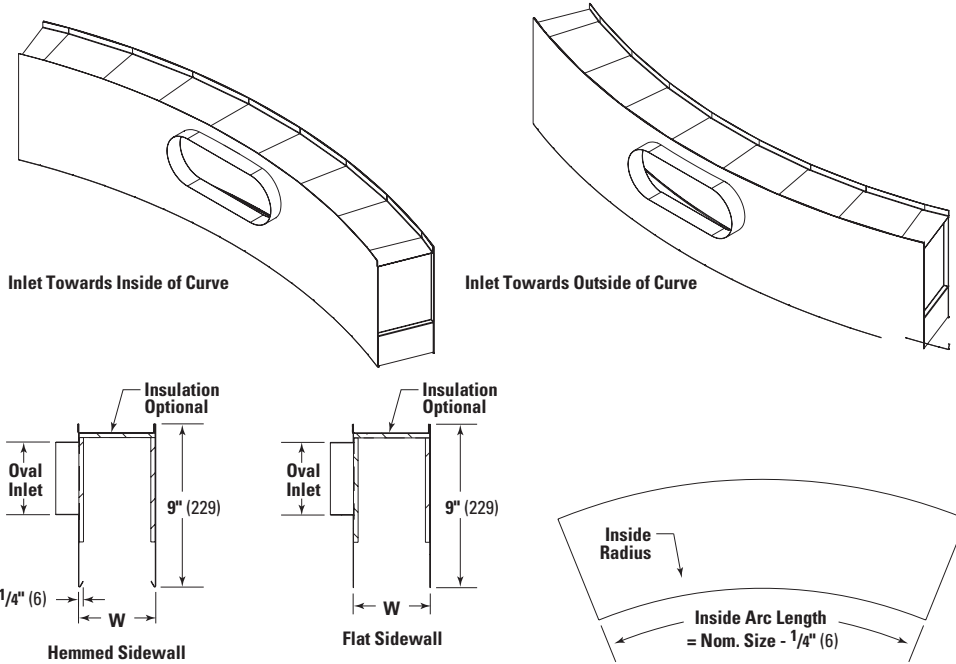
UPC Convex Curved Plenum



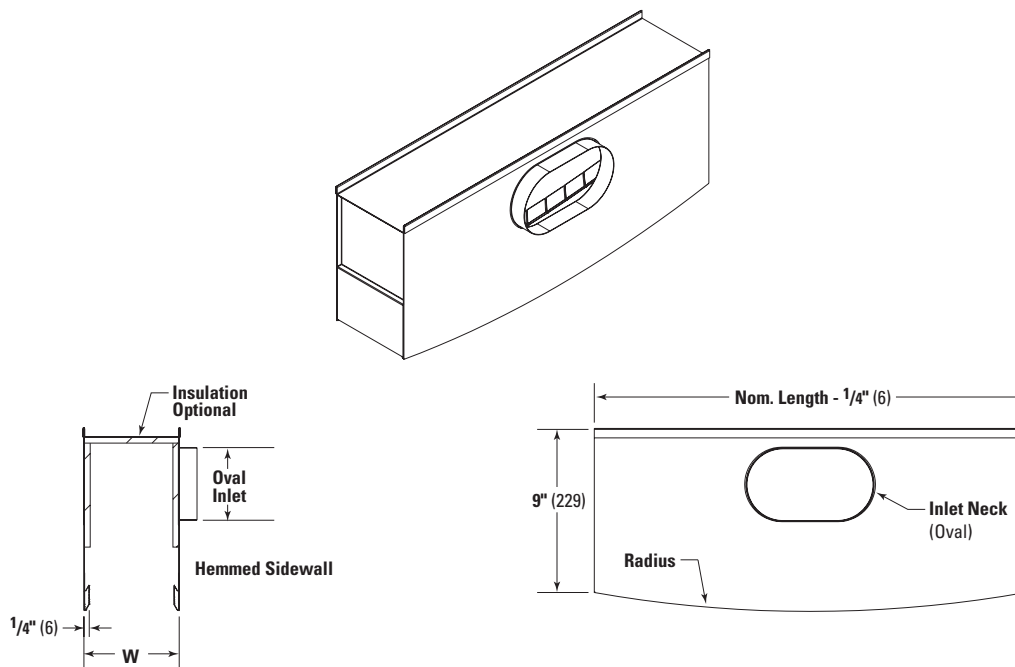
Models

LINEAR DIFFUSERS AND GRILLES

UPLC Concave Curved Low Profile Universal Plenum



UPLC Convex Curved Low Profile Universal Plenum



Linear Vane Diffusers LV Series

Product Information

Models

- 1 Way Deflection **LV1**
- 2 Way Deflection **LV2**

Price LV Series linear vane diffusers feature crisp linear styling for supply and return air distribution application in ceilings or sidewalls. Designed for use in continuous lengths, the fixed louvers of the LV Series provide positive air deflection and are available in either 1 way deflection (LV1) for all types of ceilings and sidewalls, or 2 way deflection (LV2) for all ceiling types.

- Extruded aluminum construction with precise mitered corners.
- Fixed louvers provide positive air flow.
- Removable core standard.
- Alignment pins furnished so continuous lengths butt closely together.
- Choice of 1 way or 2 way deflection core styles in a variety of standard widths.
- Optional accessory dampers, directional vanes and blank-off strips.

Mounting / Finish Options

Border Style

- Surface Mount
 - 1 in. [25] Flat (Standard) **1000**
 - 1/2 in. [13] Narrow **500**
- Plaster Frame
 - 1/16 in. [2] Flush Mounted **062**
 - 1/16 in. [2] Duct Mounted **062F**

Finish

- White Powder Coat **B12**
- Optional Finishes **SPL**
- Contact Price sales rep.

Available Sizes

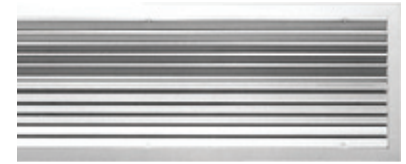
Width	Min. / Max.	Length Max.*
LV1	3 1/2" [89] 11 3/4" [298]	96 in.
LV2	6 1/4" [159] 12 1/4" [311]	[2438]

* Length, one-piece

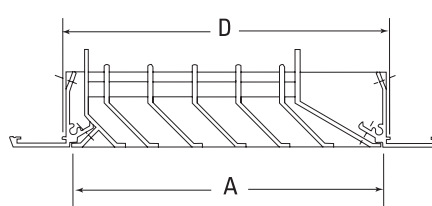
- LV1 available in increments of 3/4 in. [19] only.
- LV2 available in increments of 1 1/2 in. [38] only.
- Multiple units supplied complete with alignment pins.



LV1 1 Way Deflection

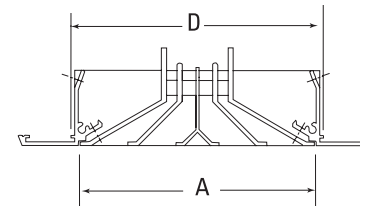


LV2 2 Way Deflection



LV1 – Dimensional Data - Imperial (in.) / Metric [mm]

Size	A	D
3 1/2 [89]	3 3/8 [86]	3 5/8 [92]
4 1/4 [108]	4 1/8 [105]	4 3/8 [111]
5 [127]	4 7/8 [124]	5 1/8 [130]
5 3/4 [146]	5 5/8 [143]	5 7/8 [149]
6 1/2 [165]	6 3/8 [162]	6 5/8 [168]
8 [203]	7 7/8 [200]	8 1/8 [206]
9 1/2 [241]	9 3/8 [238]	9 5/8 [244]
11 3/4 [298]	11 5/8 [295]	11 7/8 [302]



LV2 – Dimensional Data - Imperial (in.) / Metric [mm]

Size	A	D
6 1/4 [159]	6 1/8 [156]	6 3/8 [162]
7 3/4 [197]	7 5/8 [194]	7 7/8 [200]
9 1/4 [235]	9 1/8 [232]	9 3/8 [238]
10 3/4 [273]	10 5/8 [270]	10 7/8 [276]
12 1/4 [311]	12 1/8 [308]	12 3/8 [314]

✓ Product Selection Checklist

- 1] Select Unit Size based on desired performance characteristics.
- 2] Select Outlet Type by model number (core deflection style).
- 3] Select Border Style according to installation requirements (1000 is standard).
- 4] Select Damper, if desired (page A91).
- 5] Select Mitered Corner Modules, if desired (page A91).
- 6] Select Finish.

Example: 48 in. x 61 1/2 in. / LV2 / 1000 / 3 / B12

Application Recommendations:

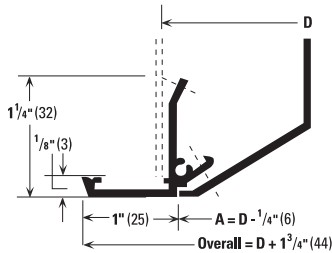
- Surface Mount – 1000 Border
- Plaster Frame Mounted - 062 Border

Available Borders / Frames

Surface Mount Borders Type 1000

1 in. [25] Face Width

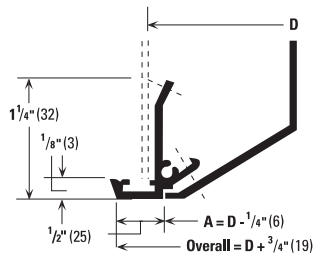
Standard Border.
Wide surface mounting flange with 1 in. [25] face width providing generous overlap of the ceiling opening.



Type 500

1/2 in. [13] Face Width

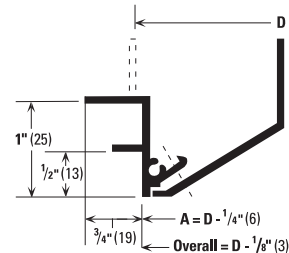
Narrow surface mounting flange with 1/2 in. [13] face width for small overlap of the ceiling opening.



Plaster Frame Borders Type 062

1/16 in. [2] Exposed
Flush Mounted

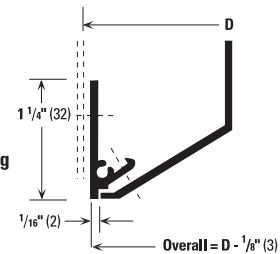
Mounts flush to the ceiling with only 1/16 in. [2] face exposed. Primarily used as a combination plaster frame/mounting frame.



Type 062F

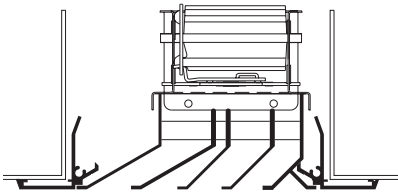
1/16 in. [2] Exposed
Duct Mounted

Mounts flush with the finished ceiling into a pre-prepared opening with only 1/16 in. [2] face exposed.



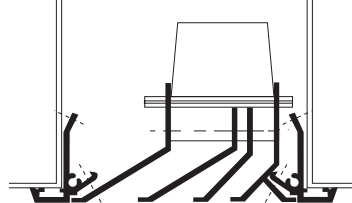
Accessories

VCS3 Opposed Blade Damper



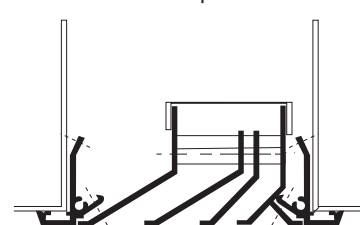
Gang operated damper blades move simultaneously in opposite directions. Allows for smooth volume control from fully open to fully closed. Operable from diffuser face.

DV Directional Vanes



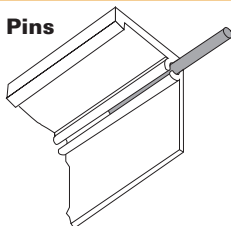
Individually adjustable blades are factory mounted in the vane frame behind the face bars and are available for all sizes of linear vane grilles. Can be adjusted to increase the spread or to provide a directional air pattern. Can function as an equalizing grid. Extruded aluminum vanes spaced on 1 in. [25] centres. (Not available with VCS3 damper).

BOS Blank-Off Strips



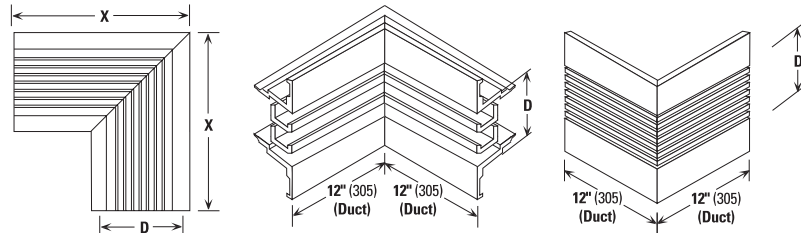
Used to make a grille section or portion of a vane section inactive. Blank-off strips are custom fabricated of sheet aluminum in lengths as required, and shipped loose for field installation. Available for all widths of linear vane grilles. Finish B17 black.

Alignment Pins



Alignment pins are supplied when the maximum length of the specified linear vane diffuser exceeds the one section limit of 96 in. [2438], or where a mitered corner module has been specified. Alignment pins ensure alignment of each section for smooth uninterrupted finish.

MC90 / MC135 Mitered Corner Modules



Mitered corner modules are available for LV Series linear vane diffusers. MC90 and MC135 are for ceiling applications where a 90° or 135° miter is specified; MCSI (inside corner) and MCSO (outside corner) are for sidewall applications that require a 90° mitered corner. All mitered corner modules are constructed of extruded aluminum and factory assembled into an all-welded precision miter. If specified for a supply air application, consideration should be given to blank-off strips to one or both legs of the miter section. Finish to match the associated LV diffuser.

Performance Data

Size	Static Pressure		.010	.022	.040	.063	.089	.121	.159
3 1/2 in.	Flow cfm / ft		21	32	42	53	64	74	85
	NC		—	18	26	31	36	40	44
	Throw	Ceiling	6-10-14	9-14-19	10-16-22	12-18-25	14-21-28	15-22-30	16-24-32
4 1/4 in.	Flow cfm / ft		30	46	61	76	91	106	122
	NC		—	20	28	33	38	42	46
	Throw	Ceiling	6-10-15	9-15-21	11-18-25	13-20-27	15-22-30	17-25-33	18-27-36
5 in.	Flow cfm / ft		40	61	81	101	121	142	162
	NC		—	21	29	34	39	43	47
	Throw	Ceiling	6-12-18	10-16-23	12-19-27	15-23-31	17-25-34	18-27-37	20-29-39
5 3/4 in.	Flow cfm / ft		52	79	105	131	157	183	210
	NC		—	22	30	35	40	44	48
	Throw	Ceiling	8-14-20	12-19-26	15-23-31	17-26-35	19-28-38	20-30-40	22-32-43
6 1/2 in.	Flow cfm / ft		67	100	133	167	200	234	267
	NC		—	23	31	36	41	45	49
	Throw	Ceiling	9-16-23	13-21-29	16-25-34	18-28-38	20-30-40	22-33-44	24-35-46
8 in.	Flow cfm / ft		90	135	180	225	265	315	355
	NC		—	24	32	37	42	46	50
	Throw	Ceiling	12-18-25	16-24-32	20-29-38	21-31-42	23-34-47	27-39-52	27-39-54
9 1/2 in.	Flow cfm / ft		115	170	230	290	350	410	460
	NC		—	25	33	38	43	47	51
	Throw	Ceiling	16-21-29	16-25-34	21-30-40	22-33-44	25-36-49	27-39-54	28-40-56
11 3/4 in.	Flow cfm / ft		160	235	315	400	470	550	690
	NC		16	27	35	40	45	49	53
	Throw	Ceiling	16-25-31	20-30-36	23-34-41	26-38-45	29-43-50	31-46-54	35-50-56
		ft	Sidewall						

Performance Notes

Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."

1. Pressure

All pressures are in in. w.g.

2. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).

These throw values are based on a 4 ft active section of vane with a cooling temperature differential of 20 °F. The multiplier factors listed in the table below are applicable for other lengths.

Throw Correction for Length

(Multiply)

Active Length	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft	0.5	0.6	0.7
10 ft or Continuous	1.6	1.4	1.2

3. Sound

The NC values are based on a room absorption of 10 dB re 10⁻¹² watts and a 10 ft active section.

The NC correction values for other lengths are listed in the table below.

NC Correction for Length

Active Length, ft	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

4. Return Air Applications

When used as a return air intake, the NC value given in the performance table will be increased by 4.

For return air application, the negative static pressure will be 0.8 times the static pressure value as shown in the performance table.

5. Blanks (—) indicate an NC level below 15.

Performance Data

Size	Static Pressure	.010	.022	.040	.063	.089	.121	.159
6 ¹ / ₄ in.	Flow cfm / ft	41	62	82	103	124	144	165
	NC	—	21	29	34	39	43	47
	Throw Ceiling	5-9-14	8-13-18	10-15-21	12-18-24	13-20-27	14-21-28	16-23-31
7 ³ / ₄ in.	Flow cfm / ft	62	94	125	156	187	218	250
	NC	—	23	31	36	41	45	49
	Throw Ceiling	5-10-16	8-14-21	10-17-25	12-20-28	14-22-31	15-24-34	17-26-36
9 ¹ / ₄ in.	Flow cfm / ft	84	126	168	210	252	294	336
	NC	—	24	32	37	42	46	50
	Throw Ceiling	6-12-18	9-16-24	12-19-27	15-23-31	17-25-34	18-28-38	19-29-40
10 ³ / ₄ in.	Flow cfm / ft	107	160	214	267	320	374	427
	NC	—	25	33	38	43	47	51
	Throw Ceiling	6-13-20	11-18-25	14-22-30	17-25-33	18-27-37	20-30-41	21-32-44
12 ¹ / ₄ in.	Flow cfm / ft	131	197	262	328	394	459	525
	NC	—	26	34	39	44	48	52
	Throw Ceiling	7-14-22	12-19-27	15-23-32	18-27-36	19-29-40	20-31-43	21-33-46

Performance Notes

Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."

- Pressure
All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
These throw values are based on a 4 ft active section of vane with a cooling temperature differential of 20 °F. The multiplier factors listed in the table below are applicable for other lengths.

Throw Correction for Length

(Multiply)

Active Length	Terminal Velocity		
	150 fpm	100 fpm	50 fpm
1 ft	0.5	0.6	0.7
10 ft or Continuous	1.6	1.4	1.2

3. Sound

The NC values are based on a room absorption of 10 dB re 10⁻¹² watts and a 10 ft active section. The NC correction values for other lengths are listed in the table below.

NC Correction for Length

Active Length, ft	1	2	4	6	8	10	15	20	25	30
Correction	-10	-7	-4	-2	-1	0	+2	+3	+4	+5

4. Return Air Applications

When used as a return air intake, the NC value given in the performance table will be increased by 4. For return air application, the negative static pressure will be 0.8 times the static pressure value as shown in the performance table.

- Blanks (—) indicate an NC level below 15.

Linear Enclosures LE Series

Product Information

Types

Forced Air, perimeter	A
Convactor, perimeter	B
Convactor, wall-hung	C
Convactor / Forced Air, floor mounted	D

Price LE Series customized aluminum linear enclosures provide an attractive and functional linear design suitable for enclosing convectors, radiators and forced air heating and ventilating units. Linear enclosures are available as floor supported, wall mounted or free standing units, and feature heavy-gauge aluminum enclosure construction with either vane type or bar type louvers.

- Heavy gauge aluminum enclosure construction.
- Vane type or bar type louvers available depending on application.
- Louvers may be installed top or side as specified.
- End caps, dampers, directional vanes and alignment strips are specifiable accessories.

Finish

White Powder Coat	B12
Optional Finishes – Contact Price sales rep.	SPL

Special Linear Enclosures

Linear enclosures may be custom designed for any special application.



✓ Product Selection Checklist

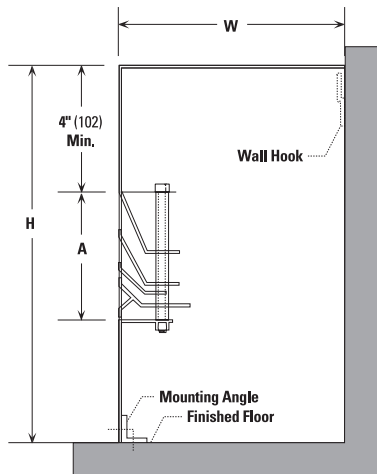
Please contact your Price sales rep when selecting Price Linear Enclosures. The information presented here is intended to provide a basis for design and product selection.

The sketch of your solution should include L x W x H, enclosure type and desired performance criteria.

Enclosure Types

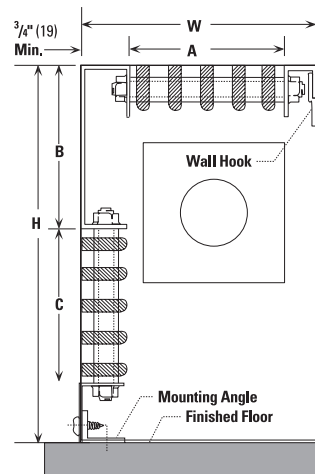
LINEAR DIFFUSERS AND GRILLES

Type A Forced Air Perimeter
Wall and Floor Mounted, Vane type



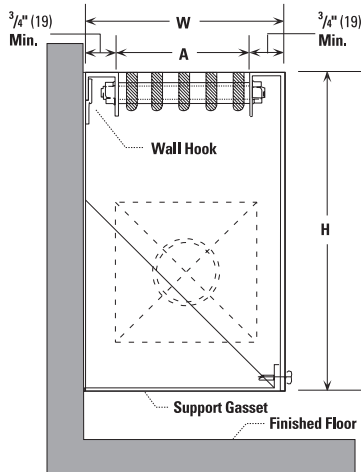
Ideal for forced air perimeter application. Enclosure mounts to wall and floor. Vane type louver LV1 mounted with deflection to direct air upward.

Type B Convector
Wall and Floor Mounted, Bar type



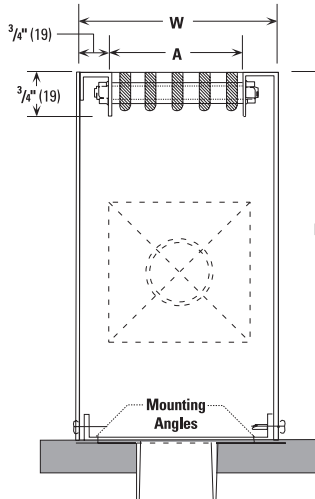
Typical convector application in which enclosure has bar type louvers on top and side. Mounted to wall and floor, continuous line provides attractive linear design.

Type C Convector
Wall Mounted, Bar type



Typical wall mounted convector application. Mounts quickly to wall and features bar type extruded aluminum louvers.

Type D Forced Air / Convactor
Floor Mounted, Bar type



Typical floor mounted application for a combination forced air - convector system.

Performance Considerations

Design considerations of LE enclosure involve applications of gravity convection, types B and C being typical examples, and forced convection, types A and D being typical examples. Type A — The diffuser dimensions and air flow performance may be selected from LV1 performance data page A92. The free cross sectional area of the enclosure should be large enough to limit the air velocity in the enclosure to 0.6 - 0.8 times the diffuser jet velocity.

Types B, C, and D — The width "W" need only be 1 1/2 in. [38] wider than the fins on the convector coil. The height "H" is usually between 6 in. [152] and 8 in. [203]. With type C, the bottom of the unit is usually located above the floor at a distance 0.75 "W" to "W". Air flow performance with forced convection may be selected from the LBP performance data for the selected core style, pages A76 - A79 Comparable performance is obtained with "A" dimension of the linear bar grille core type equal to "W".

Types B and C — For gravity convection each bar opening should equal the convector fin width. The bars with standard construction should run the full length of the enclosure. "W" may be any value and "H" is usually more than 8 in. [203].

Linear Diffusers and Grilles Special Manufacture

Overview

For over 40 years, Price has distinguished itself as a qualified designer and dependable supplier of specialized linear diffusers and grilles. We are able and willing to produce special products to meet our customers unique requirements. These specials range from custom paint colours to complex shapes or special materials requiring a complete re-engineering of our standard product. Whatever the case, we welcome your inquiry.

The examples shown here represent only a small cross section of Price's portfolio of specials.

Custom Shapes

Linear diffusers and grilles, in particular bar type, lend themselves admirably to customized shapes to meet architectural requirements.

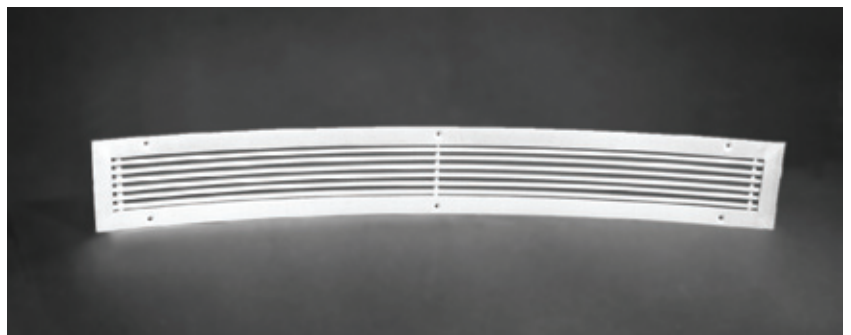
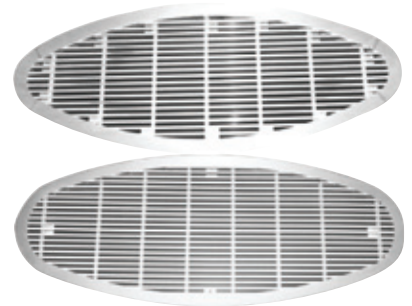
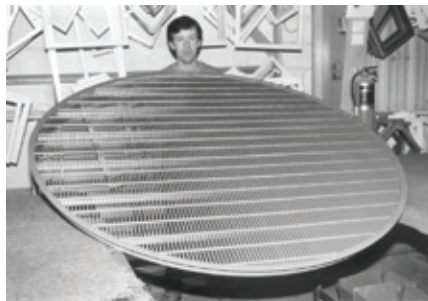
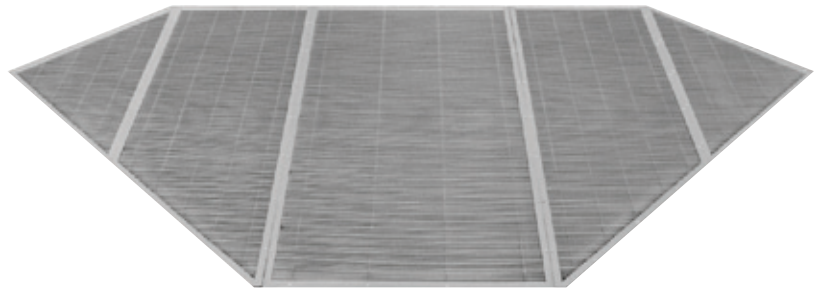
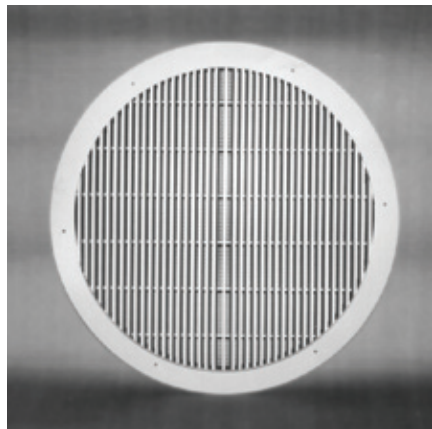
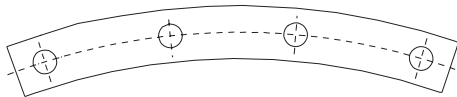
Curved – concave, convex or in plan view to suit curved walls or floor applications.

Geometric – circles, ovals, triangles, hexagons – almost any shape is available where the outlet must blend in, or act as a feature to, the surroundings.

Special Miters – Price can provide precise, factory built corner sections at any compound angle to ensure a top quality installation.

Custom Materials

Several of our products can be fabricated in materials other than aluminum for architectural or functional purposes. Price has manufactured and supplied outlets in:
Stainless Steel



Linear Diffusers and Grilles Special Manufacture

Custom Finishes

Price has a wealth of experience in custom finishes for air distribution outlets. Air outlets are one of the few visible components of the HVAC system, therefore their finish is critical to them blending harmoniously with their surroundings.

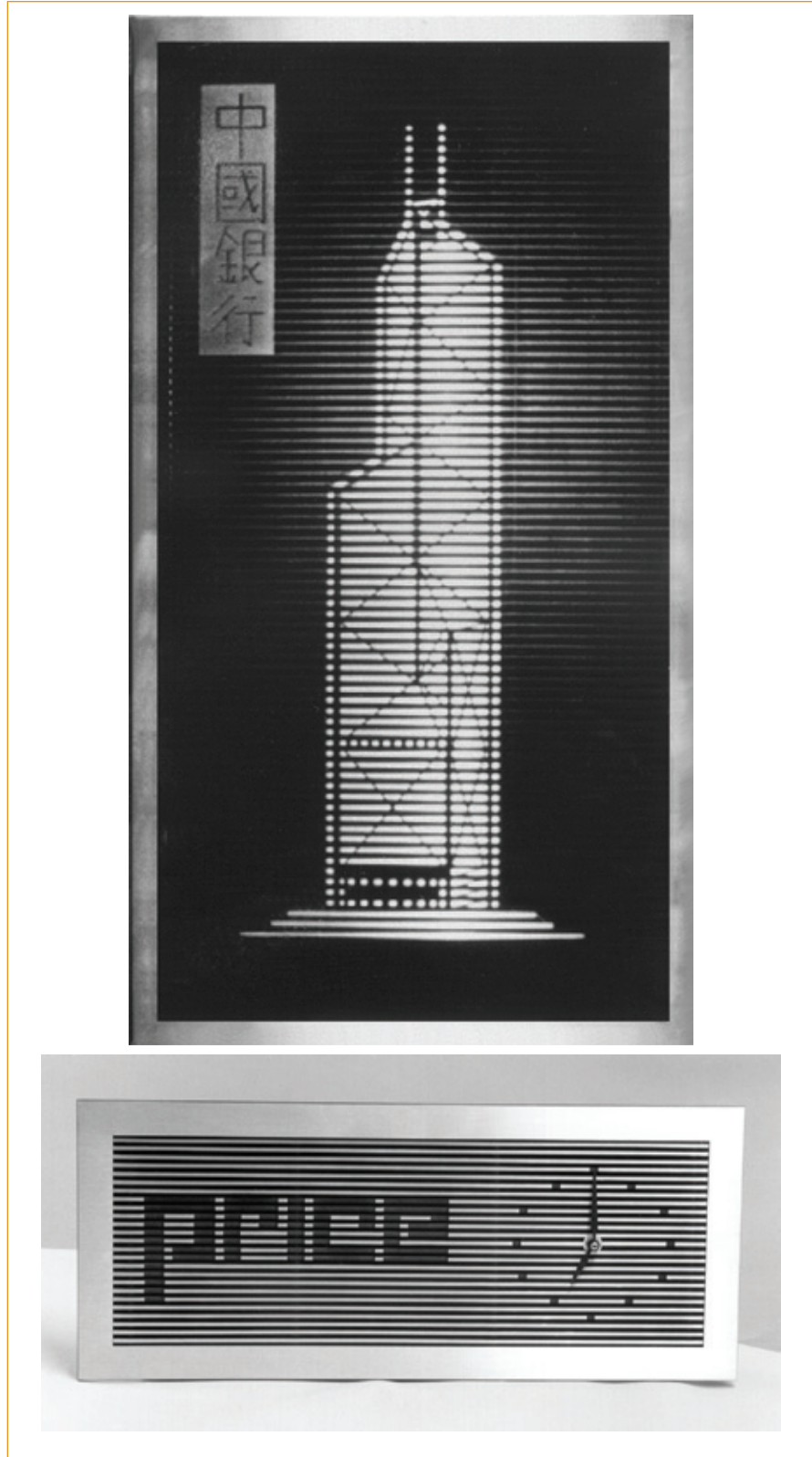
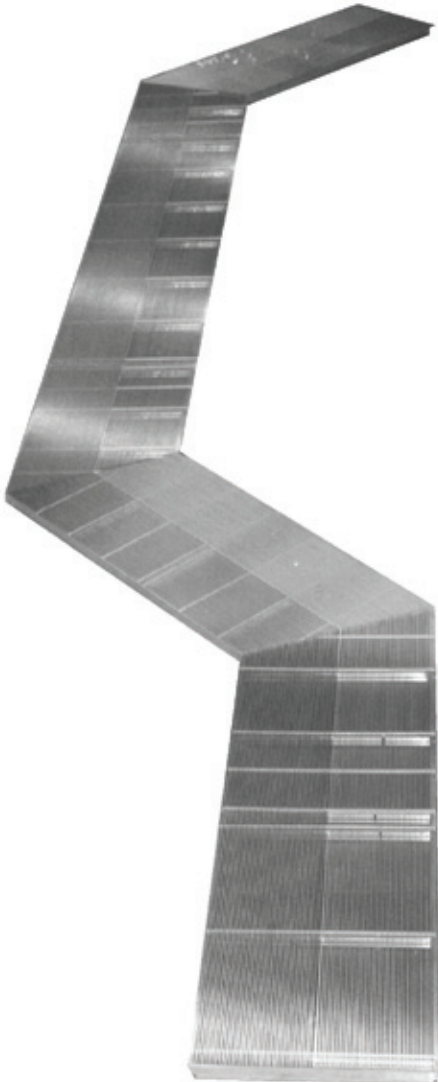
Custom color finishes - individually matched to customer-supplied samples.

Anodizing - clear or colored to match requirements.

Plating - chrome, nickel and brass plating finishes are available.

Silhouette - a combination of brushed aluminum and black enamel for a truly unique finish.

Staccato - allows an image to be "engraved" into the face of a linear bar grille.



Linear Diffusers and Grilles

Suggested Specification

Custom Flow Linear

AS Series

General

Supply and return Custom Flow linear slot diffusers shall be furnished and installed. Provide shop drawings accompanied by itemized list indicating units' location and appropriate product submittal drawings provided by the manufacturer. Exact dimensions of walls and ceiling are as per the architectural drawings. Install diffusers so they fit properly in the ceiling system with suspension wire (48 in. o/c MAX.) and/or attachment plates — as required. Coordinate installation with General Contractor and other sub-contractors.

The linear slot diffuser shall utilize heavy wall-extruded aluminum air deflector frames. These frames shall be designed to accommodate notched compressible space bars, spaced approximately 24 in. on center. The steel air pattern controllers are adjustable and can be moved from side to side to create various air pattern configurations. The spacer bars and pattern controllers shall be removable for on-site modification and trimming.

Option SPC - single layer pattern controllers are adjustable from side to side to create various air pattern configurations.

Option DPC - dual layer pattern controllers are adjustable from side to side to create various air pattern configurations. Pattern controllers may also be adjusted to constrict flow, or to allow shut off without any blank off devices.

The Custom Flow linear slot diffuser shall be complete with factory end conditions as shown or indicated.

Custom Flow supply air engineered plenums shall be manufactured of heavy gauge wipe coat steel. These units shall be insulated / non-insulated with a side inlet collar.

When engineered plenum end caps are not positioned directly over the linear spacer bar, install MB Blank-Off from plenum end cap to next spacer bar.

RB return air sight baffles and MB blank-off shall be manufactured of heavy gauge steel painted black.

Performance

Performance of the selected linear slot diffuser shall be based on catalogued data obtained from tests conducted in accordance with ASHRAE Standard 70-2006. Pattern controllers shall be set in the normal operating position with a compatible Price supply air plenum.

Product Description

Price AS Series continuous linear slot diffuser straight / curved. Models and sizes as shown.

Price ASP / ASPI supply air engineered plenum. Models and sizes as shown.

Price AST / ASTI Series

T-bar Lay-in supply air linear slot diffuser complete with engineered plenum. Models and sizes as shown.

Price ASTR Series T-bar Lay-in return air linear slot diffuser. Models and sizes as shown.

Price RB return air sight baffle / B17 Black. Models and sizes as shown.

Price MB blank-off / B17 Black. Models and sizes as required.

ASM Series

General

Supply and install Custom Flow 4 sided modular linear slot diffusers. These units shall consist of heavy wall-extruded aluminum frames with inside and outside mitered corners. The 1 in. slot is continuous on all sides with dual pattern controllers that are adjustable. The supply and return units shall be complete with a compatible steel back pan. The center acoustical tile shall be supplied, cut and installed by acoustical tile sub-contractor.

Performance

Performance of the selected linear slot diffuser shall be based on catalogued data obtained from tests conducted in accordance with ASHRAE Standard 70-2006. Pattern controllers shall be set in the normal operating position with a compatible Price supply air plenum.

Product Description

Price ASM / ASMI210 4 sided modular supply slot diffuser with steel back pan. 24 in. x 24 in. nominal size. Neck size as shown.

Price ASMR210 4 sided modular return slot diffuser with steel backpan. 24 in. x 24 in. nominal size. Neck size as shown.

Price ASMS / ASMSI210 4 sided modular supply slot diffuser with steel back pan. 24 in. x 24 in. nominal size. Neck size as shown.

Price ASMSR210 4 sided modular return slot diffuser with steel backpan. 24 in. x 24 in. nominal size. Neck size as shown.

JS Series

General

Supply and return Custom Flow linear slot diffusers shall be furnished and installed. Provide shop drawings accompanied by itemized list indicating units' location and appropriate product submittal drawings provided by the manufacturer. Exact dimensions of walls and ceiling are as per the architectural drawings. Install diffusers so they fit properly in the ceiling system with suspension wire (48 in. o/c MAX.) and/or attachment plates — as required. Coordinate

installation with General Contractor and other sub-contractors.

The linear slot diffuser shall utilize heavy wall-extruded aluminum air deflector frames. These frames shall be designed to accommodate notched compressible space bars, spaced approximately 24 in. on center. The steel air pattern controllers are adjustable and can be moved from side to side to create various air pattern configurations. The spacer bars and pattern controllers shall be removable for on-site modification and trimming.

Option SPC - single layer pattern controllers are adjustable from side to side to create various air pattern configurations.

Option DPC - dual layer pattern controllers are adjustable from side to side to create various air pattern configurations. Pattern controllers may also be adjusted to constrict flow, or to allow shut off without any blank off devices.

The Custom Flow linear slot diffuser shall be complete with factory end conditions as shown or indicated.

Custom Flow supply air engineered plenums shall be manufactured of heavy gauge wipe coat steel. These units shall be insulated / non-insulated with a side inlet collar.

When engineered plenum end caps are not positioned directly over the linear spacer bar, install MB blank-off from plenum end cap to next spacer bar.

RB return air sight baffles and MB blank-off shall be manufactured of heavy gauge steel painted black.

Performance

Performance of the selected linear slot diffuser shall be based on catalogued data obtained from tests conducted in accordance with ASHRAE Standard 70-2006. Pattern controllers shall be set in the normal operating position with a compatible Price supply air plenum.

Product Description

Price JS Series continuous linear slot diffuser straight / curved. Models and sizes as shown.

Price JSP / JSPI supply air engineered plenum — Models and sizes as shown.

Price JST / JSTI Series T-bar Lay-in supply air linear slot diffuser complete with engineered plenum. Models and sizes as shown.

Price JSTR Series T-bar Lay-in return air linear slot diffuser. Models and sizes as shown.

Price RB return air sight baffle / B17 Black. Models and sizes as shown.

Price MB blank-off / B17 Black. Models and sizes as required.

Linear Slot Diffusers

SDS Series

Supply Diffuser

Furnish and install Price model SDS (50, 75, 100, 150) supply diffusers of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Diffusers shall have (1 - 10) discharge slots ($\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., $1\frac{1}{2}$ in.) wide with aerodynamically curved "ice tong" shaped pattern controllers for 180 degree air pattern control and air flow dampering if required. The diffuser border shall be heavy extruded aluminum construction with extruded aluminum spacers and mitered end flanges, open ends, flush end caps or angle end caps. Continuous length units shall be provided with factory assembled corner modules to suit drawings and on site conditions. Joiner strips shall be provided to align continuous slot assemblies. The diffuser border shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

SDR Series

Return Diffuser

Furnish and install Price model SDR (50, 75, 100, 150) return outlet of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Return units shall have (1-10) intake slots ($\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., $1\frac{1}{2}$ in.) wide and will match in appearance the model SDS linear supply diffusers. The SDR border shall be heavy extruded aluminum construction with extruded aluminum spacers and mitered end flanges, open ends, flush end caps or angle end caps. Continuous length units shall be provided with factory assembled corner modules to suit drawings and on-site conditions. Joiner strips shall be provided to align continuous slot assemblies. The SDR border shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

SDA / SDB Series

Accessory Plenums

SDS linear slot diffuser shall be provided with Price model SDA, SDAI, SDB, SDBI plenum assembly of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Plenums shall be constructed of zinc coated steel and have $\frac{1}{4}$ in. internal insulation (models SDAI and SDBI). Plenum assembly shall have sloped shoulders for enhanced spread characteristics (SDA and SDAI only). Plenum assemblies shall be of a side inlet configuration with sizes to fit SDS of 1 to 4 slots.

SDS4 Series

Supply Diffuser

Furnish and install Price SDS4 (50, 75, 100) 24 in.x24 in. [610 mm x 610 mm] supply diffusers of the configuration and mounting types indicated on the plans and diffuser schedule. Each diffuser shall have a ceiling tile (supplied by others) cut and placed in the face of the diffuser. The ceiling tile shall match the surrounding ceiling system.

Diffusers shall have 1, 2, 3 or 4 discharge slots, $\frac{1}{2}$ in. [13 mm], $\frac{3}{4}$ in. [19 mm] or 1 in. [25 mm] wide with curved aerodynamically "ice tong" shaped pattern controllers, allowing for individual slot adjustment. Diffuser frame and slot spacers shall be of solid extruded aluminum construction with B12 White Powder Coat finish. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Pattern controllers shall be fully adjustable, providing complete flow pattern control (1 way, 2 way, 2 way corner, 3 way or 4 way) with a stable horizontal air pattern. All adjustments shall be accessible from the face of the diffuser.

SDR4 Series

Return Diffuser

Furnish and install Price SDR4 (50, 75, 100) 24 in.x24 in. [610 mm x 610 mm] return inlet of the configuration and mounting types as indicated on the plans and diffuser schedule. Each return unit shall have a ceiling tile (supplied by others) cut and placed in the face of the unit. The ceiling tile shall match the surrounding ceiling system.

Return units shall have 1, 2, 3 or 4 slots, $\frac{1}{2}$ in. [13 mm], $\frac{3}{4}$ in. [19 mm] or 1 in. [25 mm] wide and shall match, in appearance, the model SDS4 supply diffusers. Return unit frame and slot spacers shall be of solid extruded aluminum construction with B12 White Powder Coat finish. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714. Units shall be complete with factory mounted sight baffle.

Linear Bar Grilles

LBP Series

Grille

Furnish and install Price model LBP (15A, 16A, 15B, 16B, 25B, 26B, 27B, 25C, 26C, 27C) supply/return grilles of the sizes and mounting types indicated on the plans and outlet schedule. Grilles shall have fixed 0, 15, 30 degree blades, spaced $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{7}{16}$ in. on center. The outlet shall have extruded aluminum blades mechanically locked into a heavy extruded aluminum border. The grille core shall be fixed to an extruded aluminum border. The border shall be complete with precise factory mitered corners. Blades shall run parallel to the long dimension of the grille. The grille shall be finished in B12 White Powder Coat Paint. finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Register

Furnish and install Price model LBP (15A, 16A, 15B, 16B, 25B, 26B, 27B, 25C, 26C, 27C) supply/return registers of the sizes and mounting types indicated on the plans and outlet schedule. Registers shall have fixed 0, 15, 30 degree blades, spaced $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{7}{16}$ in. on center. The outlet shall have extruded aluminum blades mechanically locked into a heavy extruded aluminum receiving bar. The register core shall be fixed to an extruded aluminum border. The border shall be complete with precise factory mitered corners. Blades shall run parallel to the long dimension of the grille. The integral volume control damper shall be of the opposed blade type and shall be constructed of coated cold rolled steel (optional aluminum construction). The damper shall be operable from the register face. The register shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

LBPH Series

Grille

Furnish and install Price model LBPH (15A, 16A, 15B, 16B, 25B, 26B, 27B, 25C, 26C, 27C) supply/return grilles of the sizes and mounting types indicated on the plans and outlet schedule. Grilles shall have fixed 0, 15, 30 degree blades, spaced $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{7}{16}$ in. on center. The outlet core shall have extruded aluminum receiving bar. Blades shall run parallel to the long dimension of the grille. The grille border shall be heavy duty extruded aluminum construction with precise factory mitered corners and reinforcing support bars for extra support for the core receiving bar. The blade spacers shall not exceed 6 in. on center for floor applications, or 10 in. on center for sill/sidewall use. The support bars shall not exceed 10 in. on center. The core shall be held into the border with removable core clips allowing the removal of the core without special tools. The grille shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Register

Furnish and install Price model LBPH (15A, 16A, 15B, 16B, 25B, 26B, 27B, 25C, 26C, 27C) supply/return registers of the sizes and mounting types indicated on the plans and outlet schedule. Registers shall have fixed 0, 15, 30 degree blades, spaced $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{7}{16}$ in. on center. The outlet core shall have extruded aluminum blades mechanically locked into a heavy extruded aluminum receiving bar. Blades shall run parallel to the long dimension of the register. The grille border shall be heavy duty extruded aluminum construction with precise factory mitered corners and reinforcing support bars for extra support for the core receiving bar. The blade spacers shall not exceed 6 in. on center for floor applications, or 10 in. on center for sill/sidewall use. The support bar shall not exceed 10 in. on center. The core shall be held into the border with removable core clips allowing the removal of the core without special tools. The integral volume control damper shall be of the opposed blade type and shall be constructed of coated cold rolled steel (optional aluminum construction). The damper shall be operable from the register face. The register shall be finished in B12 White Powder Coat Paint. finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

LBMH Series

Grille

Furnish and install Price model LBMH (15A, 16A, 15B, 16B, 25B, 26B, 17B, 25C, 26C, 27C) supply/return grilles of the sizes and mounting types indicated on the plans and outlet schedule. Grilles shall have fixed 0, 15, 30 degree blades, spaced $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{7}{16}$ in. on center. The outlet core shall have $\frac{3}{4}$ in. deep extruded aluminum blades mechanically locked to a $\frac{5}{16}$ in. O.D. aluminum Mandrel tube with .035 in. thick walls. Blades shall run parallel to the long dimension of the grille. The grille border shall be heavy duty extruded aluminum construction with precise factory mitered corners and reinforcing support bars for extra support for the Mandrel tubes. The support bars and Mandrel tubes shall not exceed 12 in. on center. The core shall be held into the border with removable core clips allowing the removal of the core without special tools. The grille shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Register

Furnish and install Price model LBMH (15A, 16A, 15B, 16B, 25B, 26B, 27B, 25C, 26C, 27C) supply/return registers of the sizes and mounting types indicated on the plans and outlet schedule. Registers shall have fixed 0, 15, 30 degree blades, spaced $\frac{1}{4}$ in., $\frac{1}{2}$ in., $\frac{7}{16}$ in. on center. The outlet core shall have $\frac{3}{4}$ in. deep extruded aluminum blades mechanically locked to a $\frac{5}{16}$ in. O.D. aluminum Mandrel tube with .035 in. thick walls. Blades shall run parallel to the long dimension of the grille. The register border shall be heavy duty extruded aluminum construction with precise factory mitered corners and reinforcing support bars for extra support for the Mandrel tubes. The support bars and Mandrel tubes shall not exceed 12 in. on center. The core shall be held into the border with removable core clips allowing the removal of the core without special tools. The integral volume control damper shall be of the opposed blade type and shall be constructed of coated cold rolled steel (optional aluminum construction). The damper shall be operable from the register face. The register shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Linear Bar Grilles

UP

Universal Plenum

AS Adjusta-slot diffuser / JS Jet-slot diffuser / SDS linear slot diffuser / LBP linear bar grille / LBPH linear bar grille / LBMH linear bar grill) shall be supplied with Price model UP universal plenum assembly of the sizes indicated on the plans and air outlet schedules. Plenums shall be constructed of zinc coated steel (and have ¼ in. internal insulation. Insulated plenums must be oversized to maintain open free area inside plenum.) Plenum shall have a round inlet and overall plenum height shall not exceed the diameter of the round inlet plus 4 in. The inlet shall include a 1¼ in. flange for connecting to ductwork. The open edge of the plenum shall have a (hemmed edge for installation of concealed mounting bracket / straight edge) sized to fit the specified linear (diffuser / bar grille).

UPL

Low Profile Universal Plenum

(AS Adjusta-slot diffuser / JS Jet-slot diffuser / SDS linear slot diffuser / LBP linear bar grille / LBPH linear bar grille / LBMH linear bar grill) shall be supplied with Price model UPL low profile universal plenum assembly of the sizes indicated on the plans and air outlet schedules. Plenums shall be constructed of zinc coated steel (and have ¼ in. internal insulation. Insulated plenums must be oversized to maintain open free area inside plenum.) Plenum shall have an oval inlet and overall plenum height not to exceed 9 in. The inlet shall include a 1¼ in. flange for connecting to ductwork. The open edge of the plenum shall have a (hemmed edge for installation of concealed mounting bracket / straight edge) sized to fit the specified linear (diffuser / bar grille).

Linear Vane Diffusers

LV1 Series

1 Way Deflection

Furnish and install Price model LV1 linear vane supply diffusers of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Diffusers shall have fixed extruded aluminum 1 way deflection louvers with a minimum vane depth of 1 3/8 in.. The core assembly shall be of Mandrel tube construction and shall be removable from the outer border for installation. The diffuser border shall be heavy extruded aluminum construction. Continuous length units shall be provided with factory assembled corner modules to suit drawings and site conditions. Alignment pins shall be provided to align continuous length assemblies. The diffuser shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714..

Options

Dampers

The integral volume control damper shall be of the opposed blade type and shall be constructed of coated cold rolled steel (optional aluminum construction). The damper shall be operable from the diffuser face.

Directional Vanes

The diffuser shall be provided with rear mounted, individually adjustable extruded aluminum blades spaced 1 in. on center for directional and spread control.

LV2 Series

2 Way Deflection

Furnish and install Price model LV2 linear vane supply diffusers of the sizes, configurations and mounting types indicated on the plans and outlet schedule. Diffusers shall have fixed extruded aluminum 2 way deflection louvers with a minimum vane depth of 1 3/8 in.. The core assembly shall be of Mandrel tube construction and shall be removable from the outer border for installation. The diffuser border shall be heavy extruded aluminum construction. Continuous length units shall be provided with factory assembled corner modules to suit drawings and site conditions. Alignment pins shall be provided to align continuous length assemblies. The diffuser shall be finished in B12 White Powder Coat. Paint finish shall pass 500 hours of salt spray exposure with no measurable creep in accordance with ASTM D1654 and 1000 hours with no rusting or blistering as per ASTM D610 and ASTM D714.

Options

Dampers

The integral volume control damper shall be of the opposed blade type and shall be constructed of coated cold rolled steel (optional aluminum construction). The damper shall be operable from the diffuser face.

Directional Vanes

The diffuser shall be provided with rear mounted, individually adjustable extruded aluminum blades spaced 1 in. on center for directional and spread control.



