

# Linear Diffusers and Grilles



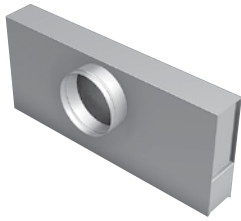
BUILDING VALUE IN AIR.



February  
2022

# LINEAR DIFFUSERS AND GRILLES

The Greenheck line of Linear Diffusers and Grilles is designed to satisfy the most discerning architect's design concept without compromising engineering performance. Linear slot diffusers and grilles can be divided into three categories: Formations, Linear Slot Diffusers and Linear Bar Grilles.



**Formations** satisfy the most demanding engineering and architectural criteria, providing superior air distribution, performance and sculpted elegance. Formations are available in linear, square and curved configurations. The refined lines and visual architectural appeal of Formations makes it ideal for integration into any ceiling system.

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**Linear Slot Diffusers** are an excellent choice for continuous linear applications such as perimeter office space, airport terminals, convention centers and shopping malls. The flexibility of these diffusers allows installation in a variety of applications to maximize occupant comfort. Linear slot diffusers are available in both straight and curved applications.

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**Linear Bar Grilles** are engineered for supply and return air distribution in heating and cooling applications and are designed for sidewall, floor, sill and ceiling installation. Linear bar grilles are available in straight, continuous and curved applications.

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**Louver Face Linear Diffusers** are designed for continuous length applications where the clean lines of a louver face diffuser are desirable.

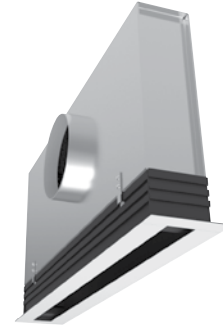
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# FORMATIONS LINEAR DIFFUSERS

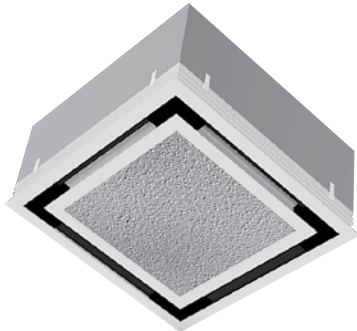
FORMATIONS LINEAR



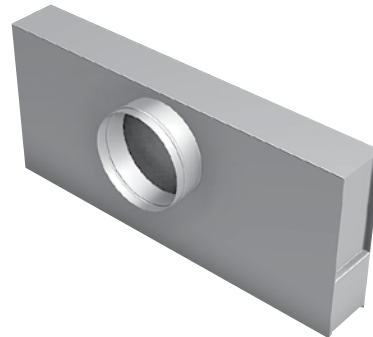
FORMATIONS TEE SYSTEM



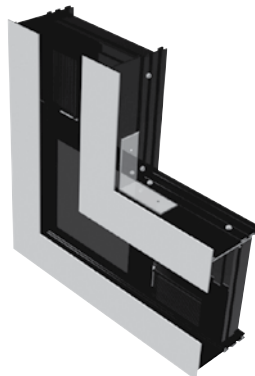
FORMATIONS INTEGRA



FORMATIONS PLENUMS



FORMATIONS ACCESSORIES



Greenheck Formations is designed to integrate with all ceiling systems. Formations are available in both straight and curved sections to satisfy the most demanding architectural designs. The Formations line of architectural diffusers is an excellent choice for offices, libraries, airports, community buildings, restaurants, lobbies and retail spaces.

## Formations Linear

The Formations series of linear diffusers is designed for ceiling and sidewall installation and is suitable for both commercial and residential applications. Formations can also be curved for ceiling or sidewall applications.

- XG-FAL – Formations continuous linear
- XG-FALC – Formations continuous linear – Concealed Mounting

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### Formations Tee System

The Formation Tee System is designed for ease of installation and can be easily removed and relocated if needed.

- XG-FTS – Formations and plenum for Tee System
- XG-FTSB – Formations and plenum for Bolt Slot Systems
- XG-FTSI – Formations and plenum for Tee System – Insulated
- XG-FTSBI – Formations and plenum for Bolt Slot Systems – Insulated

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### Formations Integra

The Integra series is designed to lay in an acoustical T-bar or hard ceiling. The Integra incorporates the ceiling material as the face of the diffuser blending it into the ceiling design.

- XG-FAI – Formations Integra supply
- XG-FAII – Formations Integra supply – Insulated
- XG-FAIR – Formations Integra return

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### Formations Plenums

The XG-UPFAL/XG-UPFALC series plenum is designed for the XG-FAL/FALC series Formation to connect the diffuser to the ducted supply or return.

- XG-UPFAL – Formations plenum – Standard
- XG-UPFALC – Formations plenum – Hemmed
- XG-UPIFAL – Formations plenum – Standard insulated
- XG-UPIFALC – Formations plenum – Hemmed insulated

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### Formations Accessories

- XG-FAM – Formations miter corner
- XG-FAMSA – Formations special angle
- XG-FAR – Formations perforated return shield
- XG-FASE – Formations replacement end borders
- XG-FAFC – Formations replacement spacer blocks
- XG-FODR – Formations face operated damper rod
- XG-ROD – Formations remote operated damper

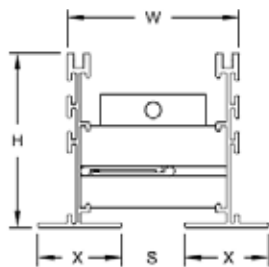
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# MODEL XG-FAL

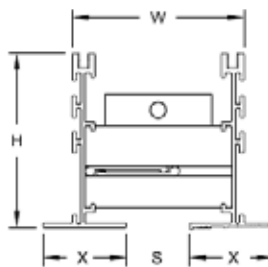
The Formations XG-FAL series is engineered for supply, return or exhaust air distribution in heating, cooling and ventilating applications. It is designed for ceiling and sidewall installation, and works equally well in variable-volume or constant volume air distribution systems. Formations is suitable for both commercial and residential applications. Numerous frame styles allow the specifier to make an aesthetic statement.



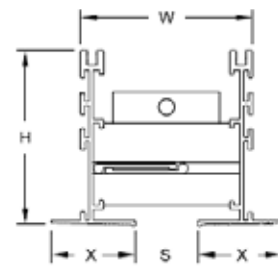
- Available with straight or combo pattern controllers
- Standard slot widths of 1", 1.5", 2", 2.5" and 3"
- Available in single section lengths up to 96"
- Available with one or two slots
- Available in 5 border configurations
- Quick installation with state of the art mounting hardware
- Can be curved to produce a ceiling flat, concave or convex face unit



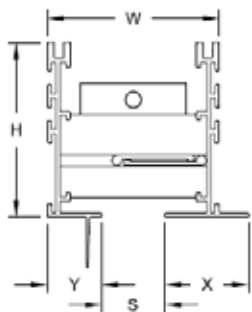
□ Border AA



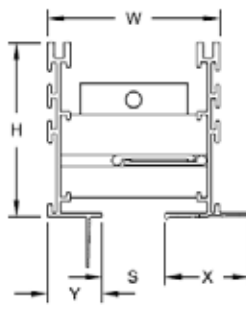
□ Border AC



□ Border CC

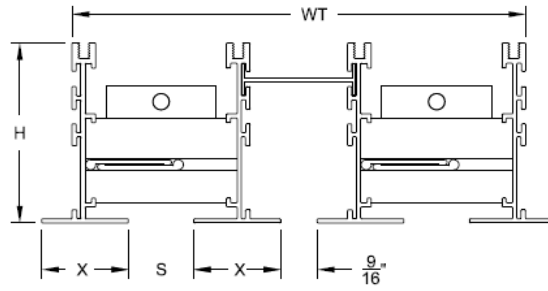


□ Border BA

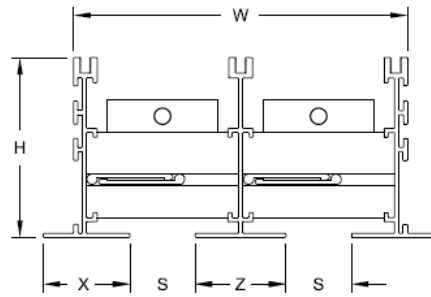


□ Border BC

Model	S Slot Width	W Width	X Border Width	Y Border Width	H Height
XG-FAL-10	1"	2 3/4	1 5/16	7/8	2 3/4
XG-FAL-15	1 1/2"	3 3/4	1 9/16	1 1/8	2 3/4
XG-FAL-20	2"	4 3/4	1 13/16	1 3/8	2 3/4
XG-FAL-25	2 1/2"	5 3/4	2 1/16	1 5/8	3 3/16
XG-FAL-30	3"	6 3/4	1 13/16	2 5/16	3 5/8



□ Border AA 2T Slot



□ Border AA 2 Slot

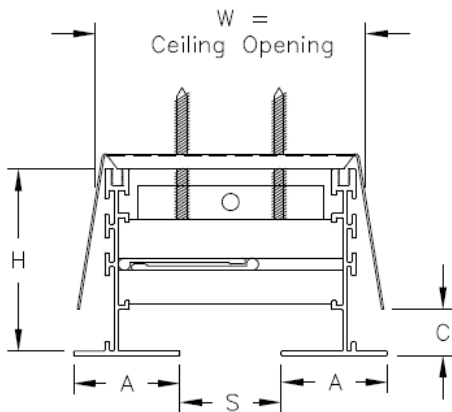
Model	S Slot Width	Z Border Width	Border Width	WT Border Width	H Height
XG-FAL-10	1	1 3/8	5 1/8	6 15/16	2 3/4
XG-FAL-15	1 1/2	1 7/8	7 1/8	8 15/16	2 3/4
XG-FAL-20	2	2 3/8	9 1/8	10 15/16	2 3/4
XG-FAL-25	2 1/2	2 7/8	11 1/8	12 15/16	3 3/16
XG-FAL-30	3	3 3/8	13 1/8	14 15/16	3 5/8

# MODEL XG-FALC

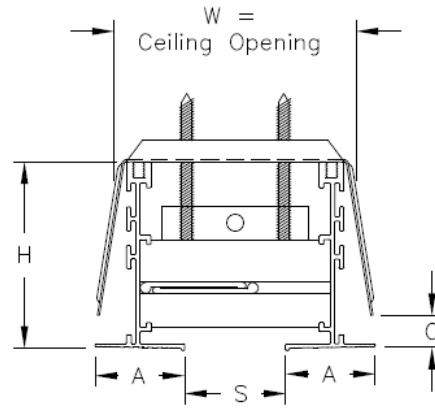
The Formations XG-FALC series is engineered for supply, return or exhaust air distribution in heating, cooling and ventilating applications. It is designed for ceiling and sidewall installation, and works equally well in variable-volume or constant-volume air distribution systems. Formations is suitable for both commercial and residential applications. Numerous frame styles allow the specifier to make an aesthetic statement.



- Available with straight or combo pattern controllers in maximum 24" increments
- Standard slot widths of 1", 1.5", 2", 2.5" and 3"
- Available in single section lengths up to 96"
- Available with one or two slots
- Available in 2 border configurations
- Standard concealed mounting
- Can be curved to produce a flat face, concave or convex face unit

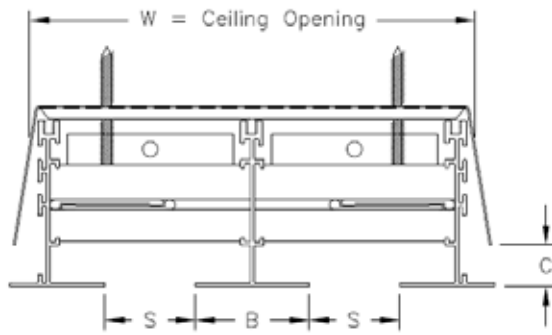


**Border AA (1 Slot)**

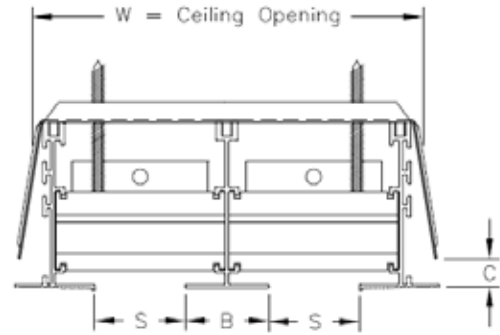


**Border CC (1 Slot)**

One Slot Formations					
Model	Formation Unit Slot Width	W (width)	A Border (width)	B Border (width)	H Height
XG-FALC-10	1	3 3/4	1 15/16	7/8	2 3/4
XG-FALC-15	1 1/2	4 1/4	1 9/16	1 1/8	2 3/4
XG-FALC-20	2	5 1/4	1 13/16	1 3/8	2 3/4
XG-FALC-25	2 1/2	6 1/4	2 1/16	1 5/8	3 3/16
XG-FALC-30	3	7 1/4	2 5/16	1 7/8	3 5/8



**Border AA (2 Slot)**



**Border CC (2 Slot)**

Two Slot Formations				
Model	Formation Unit Slot Width	W (width)	B Border (width)	H Height
XG-FALC-10	1	5 5/8	1 3/8	2 3/4
XG-FALC-15	1 1/2	7 5/8	1 7/8	2 3/4
XG-FALC-20	2	9 5/8	2 3/8	2 3/4
XG-FALC-25	2 1/2	11 5/8	2 7/8	3 3/16
XG-FALC-30	3	13 5/8	3 3/8	3 5/8



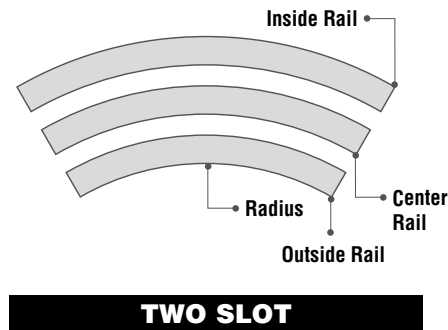
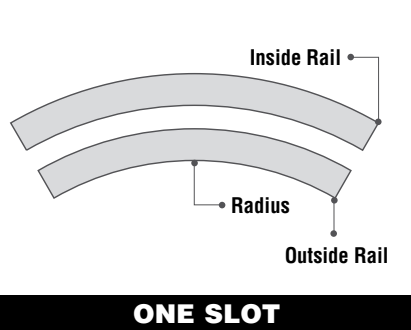
# MODEL XG-FAL/ XG-FALC CURVED



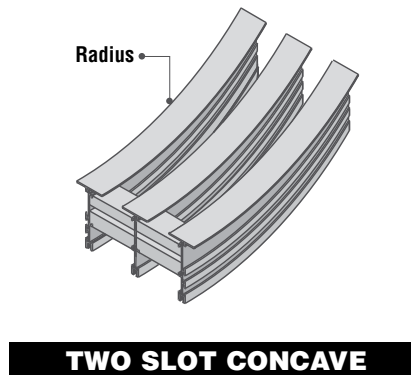
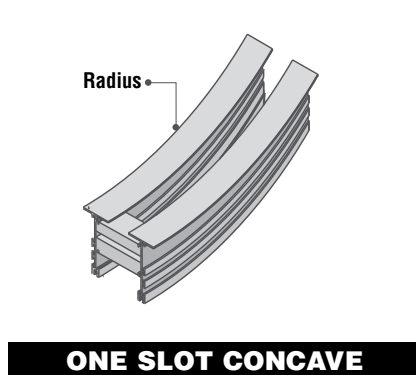
The Formations XG-FAL series can be curved to accent ceilings and walls or complement custom designs. Using a stretch form process, each piece is individually curved to match the required radius, ensuring a uniform curve without ripples on the face of the diffuser.

- One and two slot units are available in flat face, concave or convex curves and in slot widths of 1", 1.5", 2" and 2.5" (3" slot width is not available curved)
- The available borders are AA and CC (center rails are white with the 2 Slot CC border)

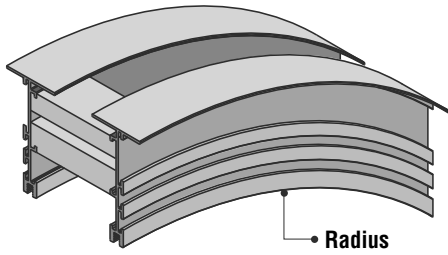
## CEILING FLAT



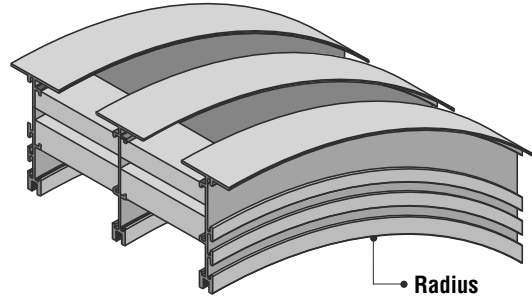
## CONCAVE CURVE



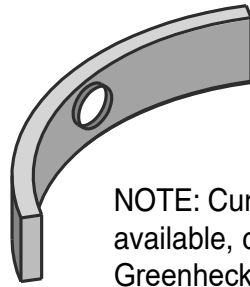
## CONVEX CURVE



**ONE SLOT CONVEX**

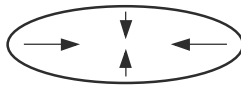


**TWO SLOT CONVEX**

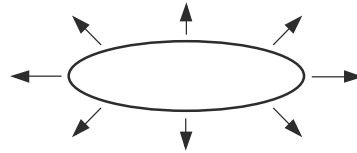


NOTE: Curved plenums are available, contact your Greenheck representative.

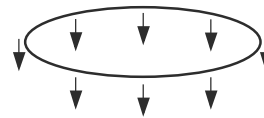
## DIRECTION OF AIR FLOW



**INSIDE  
CONCAVE**



**OUTSIDE  
CONVEX**

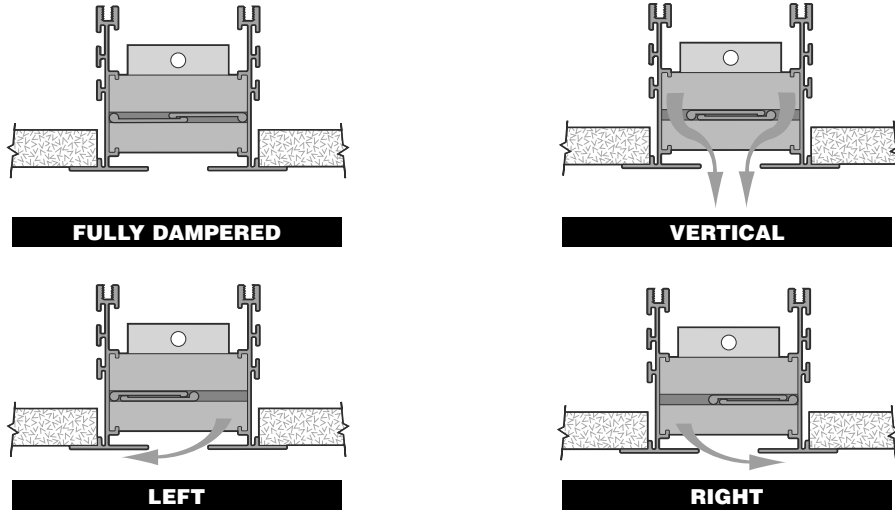


**DOWN  
CEILING FLAT**

## FORMATIONS PATTERN CONTROLLER OPTIONS

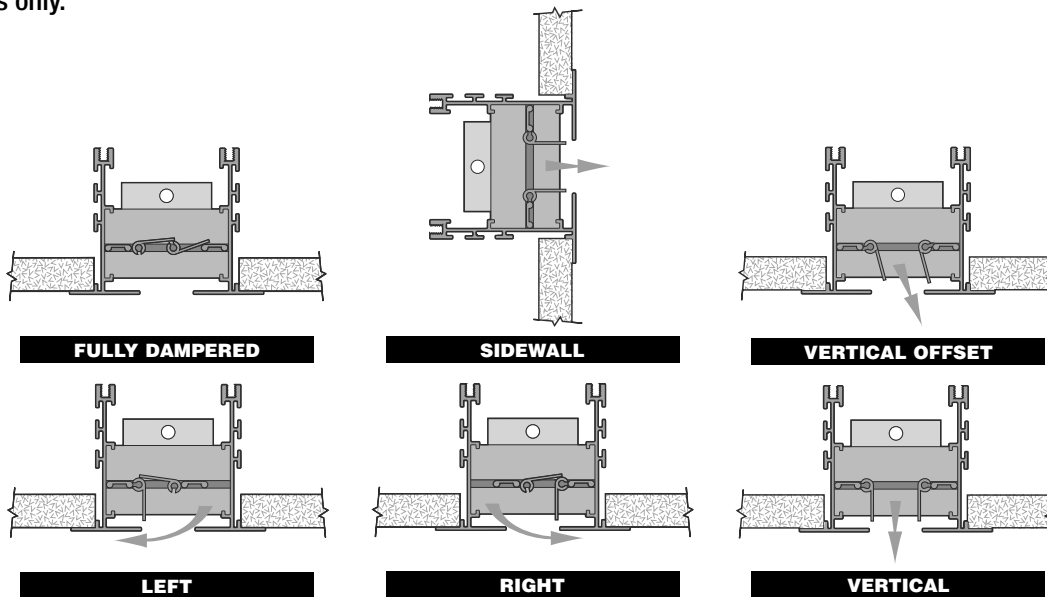
### STANDARD PATTERN CONTROLLER

The standard pattern controller is extremely versatile and fully adjustable; it provides maximum comfort for every room occupant. This controller is typically used to throw air along the ceiling out of the occupied zone, providing excellent mixing with the room air at low and high velocities. The standard pattern controller can be adjusted to meet most applications and can direct supply air to the right, left or vertically in 2' increments. Appropriate for when the diffuser is being used in a return, supply or exhaust mode, the standard pattern controller can also act as a damper when fully closed.



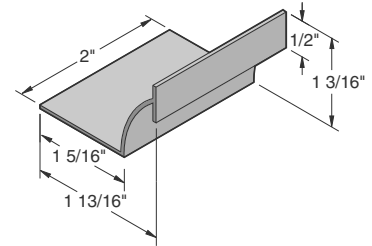
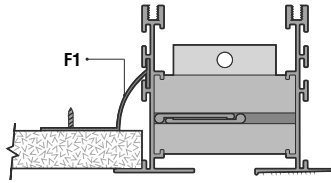
### COMBO PATTERN CONTROLLER

The combo pattern controller allows adjustment to the air stream in the field, for optimum performance and comfort. Superior performance is obtained both in sidewall and high bay applications, as well as in any standard ceiling application. With the combo pattern controller you always have flexibility to choose, in the field, the most effective pattern controller adjustment. The combo pattern controller is available in straight sections only.

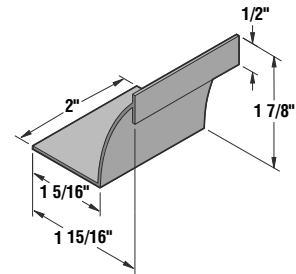
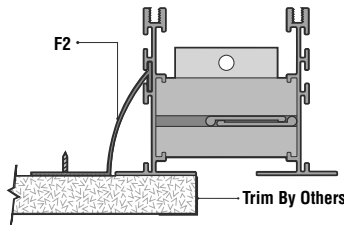


## MOUNTING CLIP DETAILS

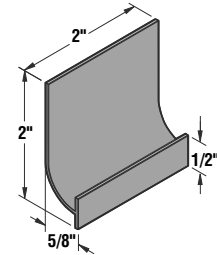
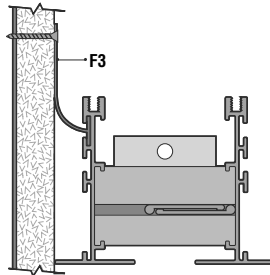
**F1 Mounting Hardware** is typically used with Border A or Border C for standard 5/8" gypsum board ceiling.



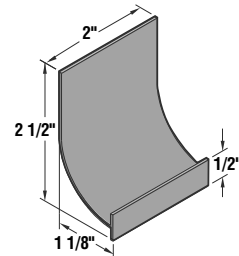
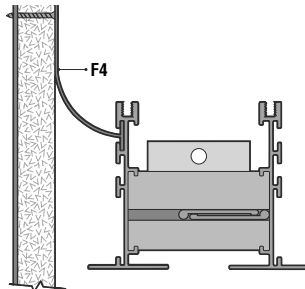
**F2 Mounting Hardware** is used to mount a hard ceiling over the face of Border A.



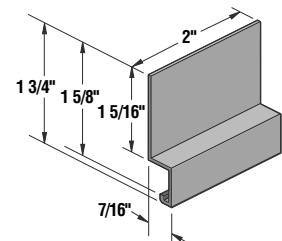
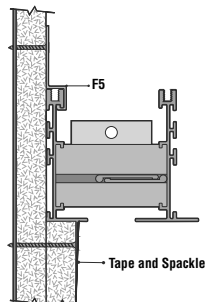
**F3 Mounting Hardware** is used to mount Border A for sidewall applications.



**F4 Mounting Hardware** is used to mount Border A along the perimeter of a ceiling with a return air slot.

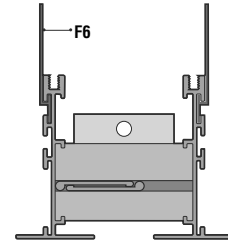
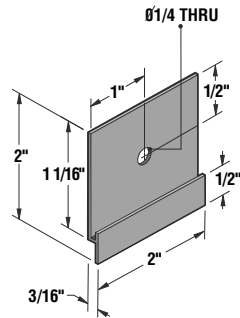


**F5 Mounting Hardware** is used to flush mount Border B against a sidewall.

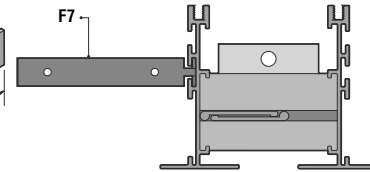
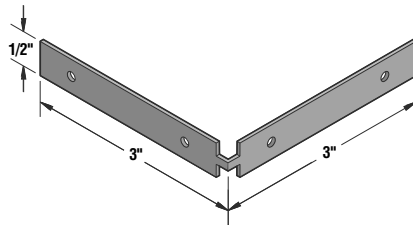


## MOUNTING CLIP DETAILS

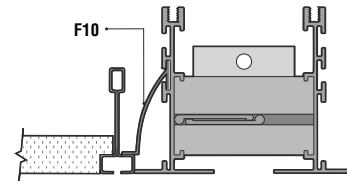
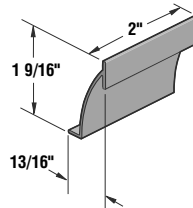
**F6 Mounting Hardware** is used for easy suspension of the Formations unit from the structure. The clip is designed to utilize standard hanger wire.



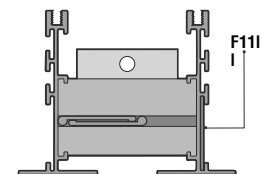
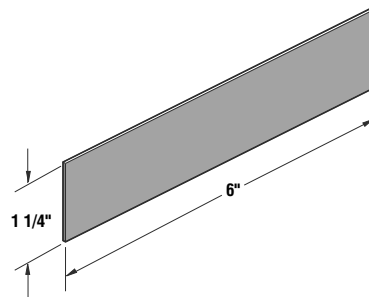
**F7 Mounting Hardware** can be used to integrate the Formations assembly into an acoustical suspension system. The F7 clip is field formed and attached to the cross tees.



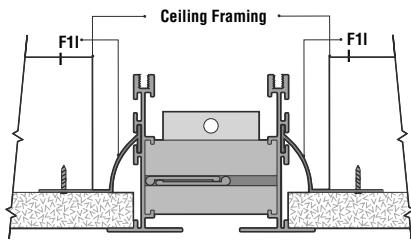
**F10 Mounting Hardware** is used to align the Formations diffuser surface in a Bolt-slot T-bar application.



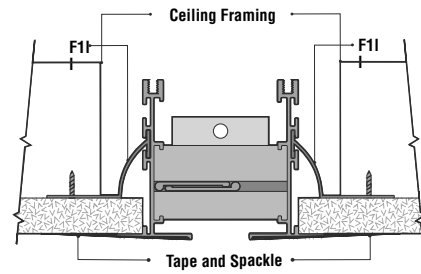
**F11 Alignment Strips** are used to align sections of the Formations diffuser, ensuring a straight and true installation in a continuous run.



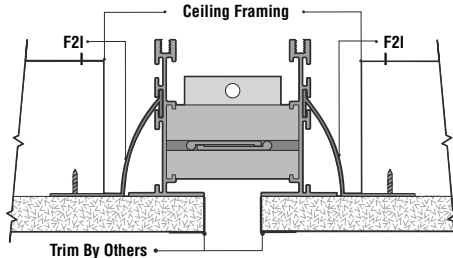
## HARD CEILING APPLICATION



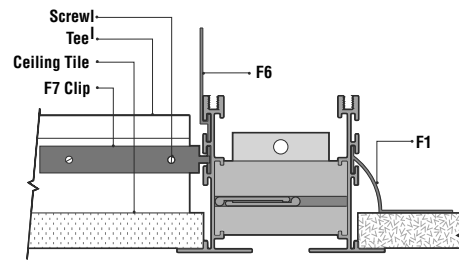
**BORDER AA HARD CEILING**



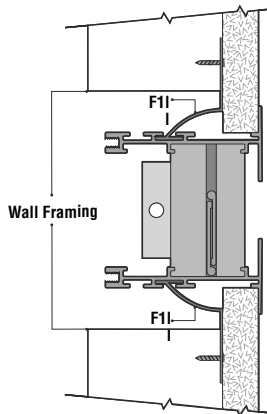
**BORDER CC HARD CEILING**



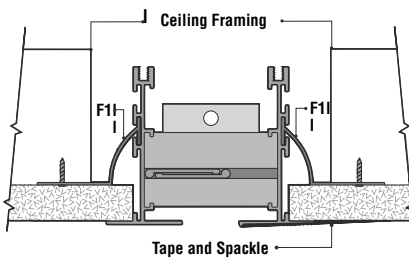
**BORDER AA  
HARD CEILING / COVERED FLANGE**



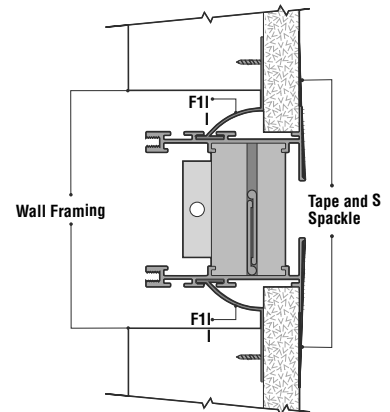
**BORDER AA HARD CEILING**



**BORDER AA SIDE WALL**

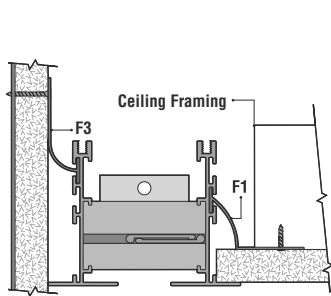


**BORDER AC HARD CEILING**

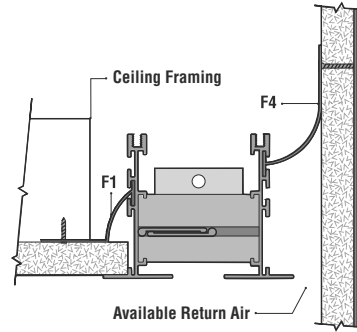


**BORDER CC SIDE WALL**

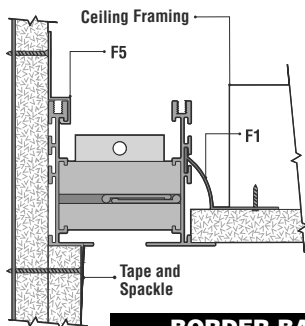
## HARD CEILING PERIMETER APPLICATION



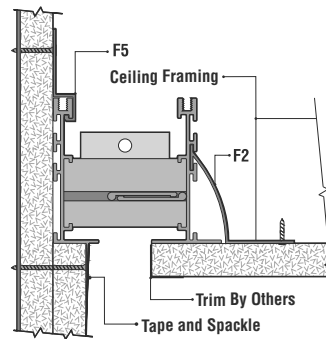
**BORDER AA**



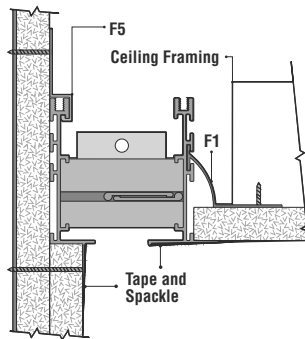
**BORDER AA**



**BORDER BA**

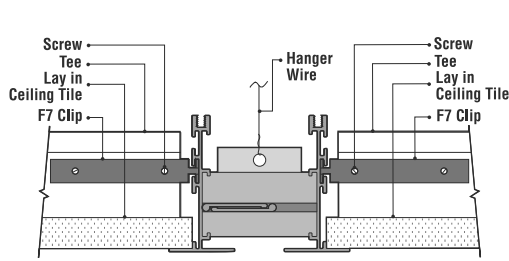


**BORDER BA**

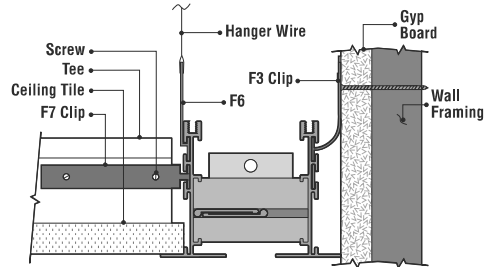


**BORDER BC**

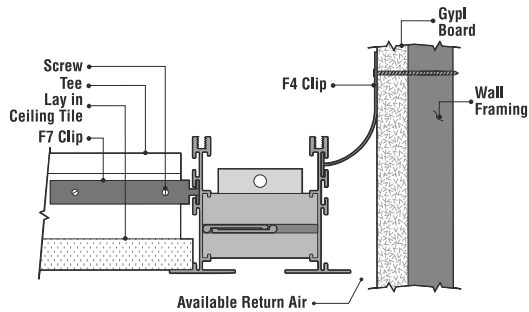
## ACOUSTICAL CEILING APPLICATION



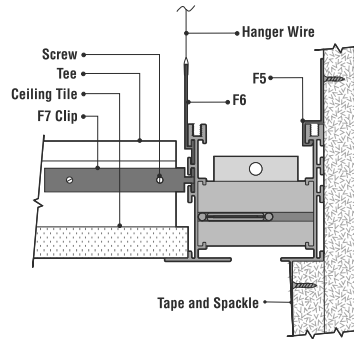
**BORDER AA MAIN TEE**



**BORDER AA PERIMETER**

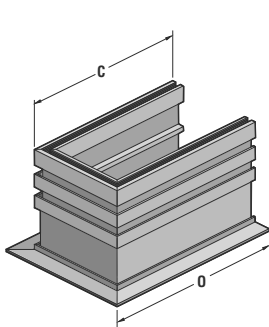
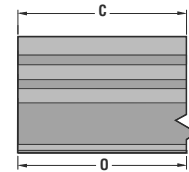
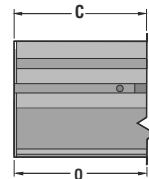
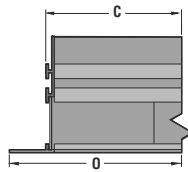
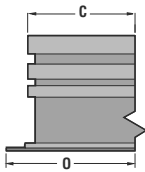


**BORDER AA PERIMETER REVEL**

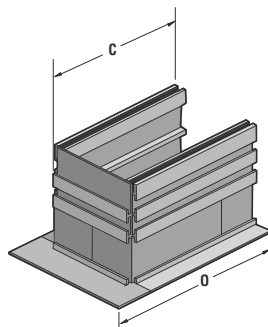


**BORDER AB PERIMETER**

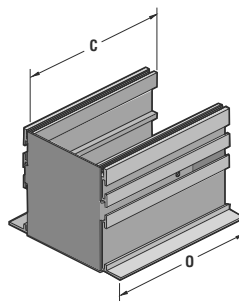
## END FABRICATION DIMENSIONS



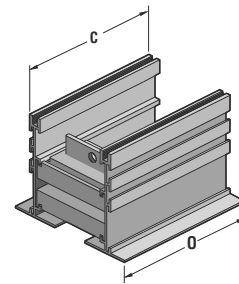
**MITERED END**



**END BORDER**










**END CAP**



**OPEN END**



BORDER TYPE	SLOT WIDTH								
		2 EB		1 EB		00		MM	
		C	O	C	O	C	O	C	O
AA	1	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	1.5	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	2	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	2.5	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
	3	D-1/4	D+1 3/8	D-1/8	D+11/16	D	D	D-1/4	D+11/16
CC AC BA BC	1	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	1.5	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	2	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	2.5	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16
	3	N/A	N/A	N/A	N/A	D	D	D-1/4	D+11/16

BORDER TYPE	SLOT WIDTH						
		MO		2EC		1EC	
		C	O	C	O	C	O
AA	1	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	1.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	3	D-1/8	D+11/32	D-1/4	D	D-1/8	D
CC AC BA BC	1	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	1.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	2.5	D-1/8	D+11/32	D-1/4	D	D-1/8	D
	3	D-1/8	D+11/32	D-1/4	D	D-1/8	D

Note: D = Listed Size.

**FORMATIONS MODEL NUMBER SPECIFICATIONS**  
**ARCHITECTURAL LINEAR**

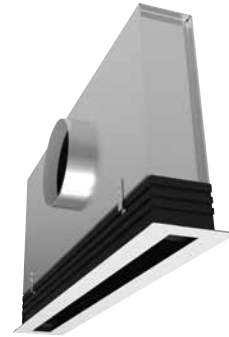
Model	Slot Width	Border Style	Frame Configuration	# of Slots	End Detail	Finish	Mtg Hdw	Pattern Controller									
XG-FAL	10-1"	AA	1 - Surface Mount	1	2EB	20 - White/Black	F1	C - Combo									
	15-1.5"	AC	6 - T-bar Lay in	2	1EB	03 - Black	F2	S - Straight									
	20-2"	BA							2EC	23 - White/Black Face	F3						
	25-2.5"	BC										1EC	F4				
	30-3"	CC												MM	F5		
																MO	F6
															F10		

**MODEL FALC**

Model	Slot Width	Border Style	Frame Configuration	# of Slots	End Detail	Finish	Mtg Hdw	Pattern Controller						
XG-FALC	10-1"	AA	1 - Surface Mount	1	2EB	20 - White/Black	Mounting Brackets	C - Combo						
	15-1.5"	CC	6 - T-bar Lay in	2	1EB	03 - Black	Screws	S - Straight						
	20-2"	AC							2EC	23 - White/Black Face				
	25-2.5"										1EC			
	30-3"												MM	
		OO												

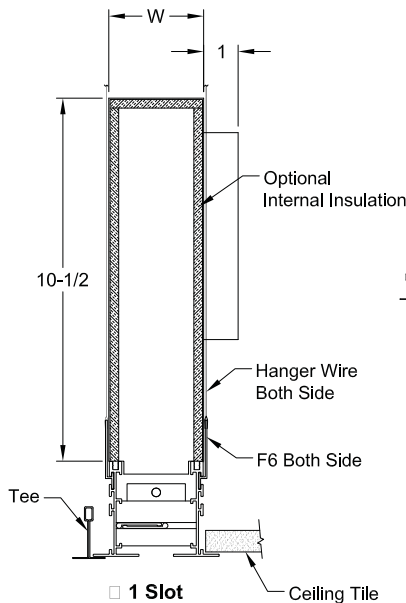
# MODEL XG-FTS (TEE SYSTEM)

The Formations Tee System is a versatile diffuser created from the Formations Linear diffuser. Available in 24", 48" or 60" lengths, with an integral plenum, the XG-FTS ensures the diffuser fits tightly into numerous ceiling suspension systems for a sleek, clean appearance. A perfect choice for installation in an acoustical ceiling, the XG-FTS is easily repositioned, providing great flexibility.

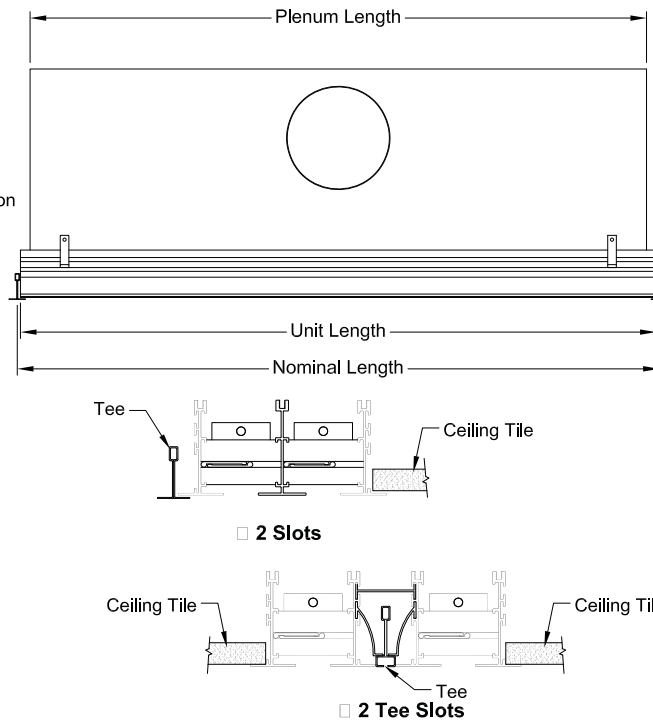


- Manufactured in pre-engineered lengths, the tee system is available in 1", 1 1/2" and 2" slot widths.
- Inlet Sizes – 6", 8", 10", 12" and 14"
- Finish – White Face, Black Interior
- Applications – 15/16" tee system, 9/16" tee system and 9/16" bolt slot tee system
- Available with insulation – model FTSl

Plenum (Installed) End View



Plenum Side View



Models	Formations Unit Slot Width	W (Width) Slots			Nominal Length	Standard available inlets	
		1	2T	2		Round	Oval
XG-FTS, XG-FTS1-10, XG-FTSB, XG-FTSB1-10	1"	2 3/4	6 15/16	5 1/8	24, 48, 60	6	8, 10, 12, 14
XG-FTS, XG-FTS1-15, XG-FTSB, XG-FTSB1-15	1 1/2"	3 3/4	8 15/16	7 1/8	24, 48, 60	6	8, 10, 12, 14
XG-FTS, XG-FTS1-20, XG-FTSB, XG-FTSB1-20	2"	4 3/4	10 15/16	9 1/8	24, 48, 60	6	8, 10, 12, 14

**FORMATIONS MODEL NUMBER SPECIFICATIONS**  
**ARCHITECTURAL LINEAR**

Model	Slot Width	Border Style	Inlet	# of Slots	Length	Finish	Mtg Hdw	Pattern Controller	Available Options
XG-FTS	10-1"	AA	NI - No Inlet	1	24	20 - White/Black	F6	C - Combo	XG-FODR Face Operated Damper
XG-FTSI	15-1.5"		06	2	48		F7	S - Straight	XG-ID Inlet Damper
	20-2"		08		60		F10		XG-ROD Remote Operated Damper
			10						XG-CC Closed Cell Insulation
			12						XG-EI External Insulation
			14						

## FORMATIONS PERFORMANCE DATA

### 1 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM

One Slot — 1" Slot Width	Horizontal Throw	6" Round Inlet	2 ft.	CFM	55	65	80	95	105	120	130	145
				Ps	.044	.067	.096	.129	.168	.212	.261	.315
Pt	.049	.074	.106	.144	.186	.235	.288	.349				
NC	-	19	24	27	30	33	35	37				
Throw	5-7-11	6-9-12	7-9-13	8-10-14	9-11-15	9-11-16	10-12-17	10-13-18				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>135</td> <td>160</td> <td>185</td> <td>210</td> <td>240</td> <td>265</td> <td>290</td> </td></td>	Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>135</td> <td>160</td> <td>185</td> <td>210</td> <td>240</td> <td>265</td> <td>290</td> </td>	6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>135</td> <td>160</td> <td>185</td> <td>210</td> <td>240</td> <td>265</td> <td>290</td>	4 ft.	CFM	110	135	160	185	210	240	265	290
				Ps	.048	.075	.106	.144	.187	.235	.290	.350
Pt	.068	.104	.148	.199	.258	.329	.403	.486				
NC	17	21	26	29	32	35	37	39				
Throw	6-10-15	8-12-17	10-13-19	11-14-20	12-15-21	13-16-23	14-17-24	14-18-25				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>170</td> <td>200</td> <td>235</td> <td>265</td> <td>300</td> <td>330</td> <td>365</td> </td></td>	Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>170</td> <td>200</td> <td>235</td> <td>265</td> <td>300</td> <td>330</td> <td>365</td> </td>	6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>170</td> <td>200</td> <td>235</td> <td>265</td> <td>300</td> <td>330</td> <td>365</td>	5 ft.	CFM	135	170	200	235	265	300	330	365
				Ps	.053	.082	.117	.158	.205	.259	.319	.384
Pt	.083	.129	.182	.247	.319	.405	.495	.600				
NC	18	23	27	31	34	36	39	41				
Throw	9-13-17	11-16-19	13-18-21	15-19-22	17-20-24	18-22-25	19-23-27	19-24-28				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>55</td> <td>65</td> <td>80</td> <td>95</td> <td>105</td> <td>120</td> <td>130</td> <td>145</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>55</td> <td>65</td> <td>80</td> <td>95</td> <td>105</td> <td>120</td> <td>130</td> <td>145</td> </td>	8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>55</td> <td>65</td> <td>80</td> <td>95</td> <td>105</td> <td>120</td> <td>130</td> <td>145</td>	2 ft.	CFM	55	65	80	95	105	120	130	145
				Ps	.043	.056	.094	.126	.164	.207	.255	.307
Pt	.044	.068	.097	.132	.171	.215	.265	.320				
NC		17	22	26	30	33	36	39				
Throw	5-7-11	6-9-12	7-9-13	8-10-14	9-11-15	9-11-16	10-12-17	10-13-18				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>135</td> <td>160</td> <td>185</td> <td>210</td> <td>240</td> <td>265</td> <td>290</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>135</td> <td>160</td> <td>185</td> <td>210</td> <td>240</td> <td>265</td> <td>290</td> </td>	8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>135</td> <td>160</td> <td>185</td> <td>210</td> <td>240</td> <td>265</td> <td>290</td>	4 ft.	CFM	110	135	160	185	210	240	265	290
				Ps	.047	.073	.104	.141	.183	.230	.283	.342
Pt	.054	.084	.119	.160	.208	.264	.324	.391				
NC	-	19	24	28	32	35	38	41				
Throw	6-10-15	8-12-17	10-13-19	11-14-20	12-15-21	13-16-23	14-17-24	14-18-25				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>170</td> <td>200</td> <td>235</td> <td>265</td> <td>300</td> <td>330</td> <td>365</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>170</td> <td>200</td> <td>235</td> <td>265</td> <td>300</td> <td>330</td> <td>365</td> </td>	8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>170</td> <td>200</td> <td>235</td> <td>265</td> <td>300</td> <td>330</td> <td>365</td>	5 ft.	CFM	135	170	200	235	265	300	330	365
				Ps	.052	.080	.114	.155	.201	.253	.311	.376
Pt	.063	.097	.138	.187	.242	.306	.375	.453				
NC	-	20	25	30	34	37	40	42				
Throw	9-13-17	11-16-19	13-18-21	15-19-22	17-20-24	18-22-25	19-23-27	19-24-28				

**FORMATIONS PERFORMANCE DATA**

**1 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 1.5" Slot Width	Horizontal Throw	6" Round Inlet	2 ft.	CFM	55	70	90	110	125	145	160	180
				Ps	.026	.047	.073	.105	.143	.187	.236	.292
Pt	.031	.055	.086	.125	.168	.221	.278	.344				
NC	-	18	23	27	31	34	37	39				
Throw	3-6-11	5-8-12	6-9-14	8-11-15	9-12-17	10-12-18	11-13-19	11-14-20				
One Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>145</td> <td>180</td> <td>215</td> <td>250</td> <td>290</td> <td>325</td> <td>360</td> </td></td>	Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>145</td> <td>180</td> <td>215</td> <td>250</td> <td>290</td> <td>325</td> <td>360</td> </td>	6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>145</td> <td>180</td> <td>215</td> <td>250</td> <td>290</td> <td>325</td> <td>360</td>	4 ft.	CFM	110	145	180	215	250	290	325	360
				Ps	.029	.052	.081	.117	.159	.207	.262	.324
Pt	.049	.086	.133	.191	.260	.343	.433	.534				
NC	-	20	25	29	33	36	39	41				
Throw	5-8-15	7-11-18	9-13-20	11-15-22	12-17-23	14-18-25	15-19-26	16-20-28				
One Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>225</td> <td>270</td> <td>315</td> <td>360</td> <td>405</td> <td>450</td> </td></td>	Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>225</td> <td>270</td> <td>315</td> <td>360</td> <td>405</td> <td>450</td> </td>	6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>225</td> <td>270</td> <td>315</td> <td>360</td> <td>405</td> <td>450</td>	5 ft.	CFM	135	180	225	270	315	360	405	450
				Ps	.032	.057	.089	.128	.175	.228	.289	.356
Pt	.062	.109	.171	.246	.335	.438	.554	.684				
NC	15	21	27	31	34	37	40	43				
Throw	6-11-17	9-14-20	12-18-22	14-21-24	17-22-26	19-24-28	21-25-30	22-26-31				
One Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>55</td> <td>70</td> <td>90</td> <td>110</td> <td>125</td> <td>145</td> <td>160</td> <td>180</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>55</td> <td>70</td> <td>90</td> <td>110</td> <td>125</td> <td>145</td> <td>160</td> <td>180</td> </td>	8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>55</td> <td>70</td> <td>90</td> <td>110</td> <td>125</td> <td>145</td> <td>160</td> <td>180</td>	2 ft.	CFM	55	70	90	110	125	145	160	180
				Ps	.024	.042	.066	.094	.129	.168	.213	.262
Pt	.025	.045	.070	.102	.138	.180	.227	.281				
NC	-	-	19	24	29	33	36	39				
Throw	3-6-11	5-8-12	6-9-14	8-11-15	9-12-17	10-12-18	11-13-19	11-14-20				
One Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>145</td> <td>180</td> <td>215</td> <td>250</td> <td>290</td> <td>325</td> <td>360</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>145</td> <td>180</td> <td>215</td> <td>250</td> <td>290</td> <td>325</td> <td>360</td> </td>	8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>110</td> <td>145</td> <td>180</td> <td>215</td> <td>250</td> <td>290</td> <td>325</td> <td>360</td>	4 ft.	CFM	110	145	180	215	250	290	325	360
				Ps	.026	.047	.073	.105	.143	.187	.236	.292
Pt	.033	.059	.092	.132	.179	.236	.298	.367				
NC	-	-	21	26	31	35	38	41				
Throw	5-8-15	7-11-18	9-13-20	11-15-22	12-17-23	14-18-25	15-19-26	16-20-28				
One Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>225</td> <td>270</td> <td>315</td> <td>360</td> <td>405</td> <td>450</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>225</td> <td>270</td> <td>315</td> <td>360</td> <td>405</td> <td>450</td> </td>	8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>225</td> <td>270</td> <td>315</td> <td>360</td> <td>405</td> <td>450</td>	5 ft.	CFM	135	180	225	270	315	360	405	450
				Ps	.029	.051	.080	.115	.157	.205	.260	.321
Pt	.039	.070	.110	.158	.215	.281	.355	.439				
NC	-	16	22	28	32	36	39	42				
Throw	6-11-17	9-14-20	12-18-22	14-21-24	17-22-26	19-24-28	21-25-30	22-26-31				

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

XG-FTS

**FORMATIONS PERFORMANCE DATA**  
**1 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 2" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	100	120	140	160	180	200	220	240				
				Ps	.044	.063	.086	.112	.142	.176	.212	.253				
				Pt	.050	.072	.097	.127	.161	.199	.241	.286				
				NC	-	18	23	27	30	33	36	38				
				Throw	6-9-15	7-11-16	8-12-17	10-13-19	11-14-20	12-15-21	13-15-22	13-16-23				
		12" Oval Inlet	4 ft.	CFM	200	240	280	320	360	400	440	480				
						Ps	.049	.070	.096	.125	.158	.195	.236	.281		
						Pt	.072	.104	.141	.184	.233	.288	.349	.415		
						NC	15	20	25	29	32	35	38	40		
						Throw	9-13-21	10-15-23	12-17-25	14-19-26	15-20-28	17-21-29	18-22-31	19-23-32		
				5 ft.	CFM	250	300	350	400	450	500	550	600			
						Ps	.054	.077	.105	.137	.174	.215	.260	.309		
						Pt	.090	.130	.176	.230	.292	.360	.436	.518		
						NC	17	22	26	30	34	37	39	42		
						Throw	11-17-23	14-21-25	16-23-28	18-25-29	21-26-31	23-28-33	24-29-34	25-31-36		
One Slot — 2" Slot Width	Horizontal Throw		12" Oval Inlet	2 ft.	CFM	100	120	140	160	180	200	220	240			
					Ps	.043	.062	.085	.111	.140	.173	.209	.249			
					Pt	.045	.065	.088	.115	.146	.180	.218	.259			
					NC	-	17	22	26	30	33	36	38			
					Throw	6-9-15	7-11-16	8-12-17	10-13-19	11-14-20	12-15-21	13-15-22	13-16-23			
						4 ft.	CFM	200	240	280	320	360	400	440	480	
								Ps	.048	.069	.094	.123	.156	.192	.232	.276
								Pt	.055	.079	.108	.141	.179	.221	.267	.318
								NC	-	19	24	28	32	35	38	40
								Throw	9-13-21	10-15-23	12-17-25	14-19-26	15-20-28	17-21-29	18-22-31	19-23-32
						5 ft.	CFM	250	300	350	400	450	500	550	600	
								Ps	.053	.076	.103	.135	.171	.211	.256	.304
								Pt	.064	.092	.125	.164	.207	.256	.310	.369
								NC	-	20	25	29	33	36	39	42
								Throw	11-17-23	14-21-25	16-23-28	18-25-29	21-26-31	23-28-33	24-29-34	25-31-36

**FORMATIONS PERFORMANCE DATA**  
**1 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 2.5" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	130	160	190	220	250	280	310	340
				Ps	.049	.075	.106	.142	.183	.229	.281	.338
Pt	.054	.082	.116	.156	.201	.253	.310	.372				
NC	-	16	22	27	31	34	37	39				
Throw	7-10-17	9-13-19	10-14-20	12-15-22	13-16-23	14-17-25	15-18-26	16-19-27				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> <td>620</td> <td>680</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> <td>620</td> <td>680</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> <td>620</td> <td>680</td>	4 ft.	CFM	260	320	380	440	500	560	620	680
				Ps	.055	.083	.117	.157	.203	.255	.312	.376
Pt	.075	.114	.160	.215	.277	.348	.427	.513				
NC	-	18	24	29	33	36	39	41				
Throw	10-15-24	12-18-26	14-20-29	17-22-31	19-23-33	20-25-35	21-26-37	22-27-38				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> <td>775</td> <td>850</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> <td>775</td> <td>850</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> <td>775</td> <td>850</td>	5 ft.	CFM	325	400	475	550	625	700	775	850
				Ps	.060	.092	.129	.173	.223	.280	.344	.413
Pt	.092	.139	.196	.263	.339	.426	.522	.628				
NC	-	20	25	30	34	37	40	43				
Throw	13-20-27	16-25-29	19-27-32	22-29-34	25-31-37	27-33-39	28-35-41	30-36-43				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>130</td> <td>160</td> <td>190</td> <td>220</td> <td>250</td> <td>280</td> <td>310</td> <td>340</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>130</td> <td>160</td> <td>190</td> <td>220</td> <td>250</td> <td>280</td> <td>310</td> <td>340</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>130</td> <td>160</td> <td>190</td> <td>220</td> <td>250</td> <td>280</td> <td>310</td> <td>340</td>	2 ft.	CFM	130	160	190	220	250	280	310	340
				Ps	.044	.066	.093	.125	.162	.203	.249	.299
Pt	.047	.071	.100	.134	.173	.217	.266	.320				
NC	-	16	22	27	31	34	37	39				
Throw	7-10-17	9-13-19	10-14-20	12-15-22	13-16-23	14-17-25	15-18-26	16-19-27				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> <td>620</td> <td>680</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> <td>620</td> <td>680</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> <td>620</td> <td>680</td>	4 ft.	CFM	260	320	380	440	500	560	620	680
				Ps	.049	.074	.104	.139	.180	.225	.276	.332
Pt	.061	.092	.130	.174	.225	.282	.345	.415				
NC	-	18	24	29	33	36	39	41				
Throw	10-15-24	12-18-26	14-20-29	17-22-31	19-23-33	20-25-35	21-26-37	22-27-38				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> <td>775</td> <td>850</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> <td>775</td> <td>850</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> <td>775</td> <td>850</td>	5 ft.	CFM	325	400	475	550	625	700	775	850
				Ps	.053	.081	.114	.153	.198	.248	.304	.366
Pt	.072	.110	.155	.207	.268	.336	.412	.495				
NC	-	20	25	30	34	37	40	43				
Throw	13-20-27	16-25-29	19-27-32	22-29-34	25-31-37	27-33-39	28-35-41	30-36-43				

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

XG-FTS



**FORMATIONS PERFORMANCE DATA**  
**1 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 3" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	140	170	200	230	260	290	320	350
				Ps	.053	.078	.108	.143	.183	.227	.276	.331
Pt	.059	.087	.120	.159	.203	.252	.307	.367				
NC	-	16	21	25	29	33	35	38				
Throw	7-10-17	8-13-19	10-15-21	11-16-22	13-17-24	14-18-25	15-19-26	16-19-28				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>280</td> <td>340</td> <td>400</td> <td>460</td> <td>520</td> <td>580</td> <td>640</td> <td>700</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>280</td> <td>340</td> <td>400</td> <td>460</td> <td>520</td> <td>580</td> <td>640</td> <td>700</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>280</td> <td>340</td> <td>400</td> <td>460</td> <td>520</td> <td>580</td> <td>640</td> <td>700</td>	4 ft.	CFM	280	340	400	460	520	580	640	700
				Ps	.059	.087	.120	.159	.203	.252	.307	.368
Pt	.082	.121	.168	.222	.283	.352	.429	.513				
NC	-	18	23	27	31	35	37	40				
Throw	10-15-25	12-18-27	14-21-29	16-22-32	18-24-34	20-25-35	21-26-37	22-28-39				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>350</td> <td>425</td> <td>500</td> <td>575</td> <td>650</td> <td>725</td> <td>800</td> <td>875</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>350</td> <td>425</td> <td>500</td> <td>575</td> <td>650</td> <td>725</td> <td>800</td> <td>875</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>350</td> <td>425</td> <td>500</td> <td>575</td> <td>650</td> <td>725</td> <td>800</td> <td>875</td>	5 ft.	CFM	350	425	500	575	650	725	800	875
				Ps	.065	.095	.132	.175	.223	.278	.338	.404
Pt	.101	.149	.206	.273	.349	.434	.528	.632				
NC	-	19	24	29	33	36	39	41				
Throw	13-20-28	16-24-30	19-28-33	21-30-35	24-32-37	27-34-40	29-35-42	30-37-44				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>140</td> <td>170</td> <td>200</td> <td>230</td> <td>260</td> <td>290</td> <td>320</td> <td>350</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>140</td> <td>170</td> <td>200</td> <td>230</td> <td>260</td> <td>290</td> <td>320</td> <td>350</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>140</td> <td>170</td> <td>200</td> <td>230</td> <td>260</td> <td>290</td> <td>320</td> <td>350</td>	2 ft.	CFM	140	170	200	230	260	290	320	350
				Ps	.051	.075	.104	.137	.175	.218	.265	.317
Pt	.054	.080	.111	.146	.187	.233	.283	.339				
NC	-	16	21	25	29	33	35	38				
Throw	7-10-17	8-13-19	10-15-21	11-16-22	13-17-24	14-18-25	15-19-26	16-19-28				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>280</td> <td>340</td> <td>400</td> <td>460</td> <td>520</td> <td>580</td> <td>640</td> <td>700</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>280</td> <td>340</td> <td>400</td> <td>460</td> <td>520</td> <td>580</td> <td>640</td> <td>700</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>280</td> <td>340</td> <td>400</td> <td>460</td> <td>520</td> <td>580</td> <td>640</td> <td>700</td>	4 ft.	CFM	280	340	400	460	520	580	640	700
				Ps	.056	.083	.115	.152	.194	.242	.294	.352
Pt	.070	.104	.144	.190	.243	.302	.368	.440				
NC	-	18	23	27	31	35	37	40				
Throw	10-15-25	12-18-27	14-21-29	16-22-32	18-24-34	20-25-35	21-26-37	22-28-39				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>350</td> <td>425</td> <td>500</td> <td>575</td> <td>650</td> <td>725</td> <td>800</td> <td>875</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>350</td> <td>425</td> <td>500</td> <td>575</td> <td>650</td> <td>725</td> <td>800</td> <td>875</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>350</td> <td>425</td> <td>500</td> <td>575</td> <td>650</td> <td>725</td> <td>800</td> <td>875</td>	5 ft.	CFM	350	425	500	575	650	725	800	875
				Ps	.062	.091	.127	.167	.214	.266	.324	.387
Pt	.084	.124	.171	.227	.290	.360	.439	.525				
NC	-	19	24	29	33	36	39	41				
Throw	13-20-28	16-24-30	19-28-33	21-30-35	24-32-37	27-34-40	29-35-42	30-37-44				

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 1" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	115	145	175	205	235	260	290	320
				Ps	.046	.072	.103	.140	.183	.232	.286	.346
Pt	.054	.084	.121	.165	.215	.271	.335	.405				
NC	-	16	22	27	31	35	38	40				
Throw	7-11-16	9-13-18	11-14-19	12-15-21	13-16-22	14-17-24	14-18-25	15-19-26				
Two Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>235</td> <td>290</td> <td>350</td> <td>410</td> <td>465</td> <td>525</td> <td>580</td> <td>640</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>235</td> <td>290</td> <td>350</td> <td>410</td> <td>465</td> <td>525</td> <td>580</td> <td>640</td> </td>	10" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>235</td> <td>290</td> <td>350</td> <td>410</td> <td>465</td> <td>525</td> <td>580</td> <td>640</td>	2 ft.	CFM	235	290	350	410	465	525	580	640
				Ps	.051	.080	.115	.156	.204	.257	.318	.384
Pt	.083	.129	.186	.254	.329	.418	.513	.622				
NC	-	18	24	29	33	37	40	42				
Throw	10-15-22	12-18-25	15-19-28	17-21-30	18-22-32	19-24-34	20-25-35	21-26-37				
Two Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>295</td> <td>365</td> <td>440</td> <td>510</td> <td>585</td> <td>655</td> <td>730</td> <td>800</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>295</td> <td>365</td> <td>440</td> <td>510</td> <td>585</td> <td>655</td> <td>730</td> <td>800</td> </td>	8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>295</td> <td>365</td> <td>440</td> <td>510</td> <td>585</td> <td>655</td> <td>730</td> <td>800</td>	4 ft.	CFM	295	365	440	510	585	655	730	800
				Ps	.056	.088	.126	.172	.224	.283	.349	.422
Pt	.107	.165	.239	.323	.423	.533	.660	.795				
NC	-	20	26	31	35	38	41	43				
Throw	13-20-25	17-24-28	20-26-31	23-28-33	25-30-35	26-32-38	27-34-40	29-35-42				
Two Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>115</td> <td>145</td> <td>175</td> <td>205</td> <td>235</td> <td>260</td> <td>290</td> <td>320</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>115</td> <td>145</td> <td>175</td> <td>205</td> <td>235</td> <td>260</td> <td>290</td> <td>320</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>115</td> <td>145</td> <td>175</td> <td>205</td> <td>235</td> <td>260</td> <td>290</td> <td>320</td>	4 ft.	CFM	115	145	175	205	235	260	290	320
				Ps	.037	.058	.083	.112	.147	.185	.229	.276
Pt	.041	.064	.092	.125	.163	.205	.254	.307				
NC	-	16	22	27	31	35	38	40				
Throw	7-11-16	9-13-18	11--14-19	12-15-21	13-16-22	14-17-24	14-18-25	15-19-26				
Two Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>235</td> <td>290</td> <td>350</td> <td>410</td> <td>465</td> <td>525</td> <td>580</td> <td>640</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>235</td> <td>290</td> <td>350</td> <td>410</td> <td>465</td> <td>525</td> <td>580</td> <td>640</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>235</td> <td>290</td> <td>350</td> <td>410</td> <td>465</td> <td>525</td> <td>580</td> <td>640</td>	4 ft.	CFM	235	290	350	410	465	525	580	640
				Ps	.041	.064	.092	.125	.163	.206	.254	.307
Pt	.057	.089	.128	.175	.227	.288	.354	.429				
NC	-	18	24	29	33	37	40	42				
Throw	10-15-22	12-18-25	15-19-28	17-21-30	18-22-32	19-24-34	20-25-35	21-26-37				
Two Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>295</td> <td>365</td> <td>440</td> <td>510</td> <td>585</td> <td>655</td> <td>730</td> <td>800</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>295</td> <td>365</td> <td>440</td> <td>510</td> <td>585</td> <td>655</td> <td>730</td> <td>800</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>295</td> <td>365</td> <td>440</td> <td>510</td> <td>585</td> <td>655</td> <td>730</td> <td>800</td>	5 ft.	CFM	295	365	440	510	585	655	730	800
				Ps	.045	.070	.101	.137	.179	.227	.279	.338
Pt	.071	.110	.159	.215	.281	.354	.438	.528				
NC	-	20	26	31	35	38	41	43				
Throw	13-20-25	17-24-28	20-26-31	23-28-33	25-30-35	26-32-38	27-34-40	29-35-42				

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

XG-FTS

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 1.5" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	125	160	190	220	255	285	320	350				
				Ps	.045	.071	.102	.140	.183	.232	.287	.347				
				Pt	.054	.086	.123	.168	.221	.279	.346	.419				
				NC	-	17	23	28	32	36	39	41				
				Throw	6-9-17	8-12-18	9-14-20	11-15-22	12-17-23	14-18-25	15-19-26	16-19-28				
		12" Oval Inlet	4 ft.	CFM	250	315	380	445	510	570	635	700				
						Ps	.050	.079	.114	.155	.203	.258	.319	.386		
						Pt	.086	.136	.198	.271	.355	.447	.553	.671		
						NC	-	19	25	30	34	38	41	43		
					Throw	9-13-23	11-16-26	13-20-29	15-22-31	18-23-33	20-25-35	21-26-37	22-28-39			
				5 ft.	CFM	315	395	475	555	635	715	795	875			
						Ps	.055	.087	.125	.171	.224	.283	.350	.424		
						Pt	.113	.177	.256	.350	.458	.581	.718	.870		
						NC	-	21	27	32	36	39	42	45		
					Throw	12-18-26	15-22-29	18-27-32	21-29-35	24-31-37	27-33-39	29-35-41	30-37-44			
Two Slot — 1.5" Slot Width	Horizontal Throw		12" Oval Inlet	2 ft.	CFM	125	160	180	220	255	285	320	350			
					Ps	.031	.049	.071	.098	.128	.162	.200	.243			
					Pt	.034	.054	.078	.106	.139	.177	.219	.265			
					NC	-	17	22	28	32	35	38	41			
				Throw	6-9-17	8-12-18	9-14-20	11-15-22	12-17-23	14-18-25	15-19-26	16-19-28				
							4 ft.	CFM	250	315	380	445	510	570	635	700
								Ps	.035	.055	.079	.108	.142	.180	.222	.270
								Pt	.046	.073	.105	.144	.189	.238	.295	.358
								NC	-	19	24	30	34	37	40	43
							Throw	9-13-23	11-16-26	13-20-29	15-22-31	18-23-33	20-25-35	21-26-37	22-29-39	
						5 ft.	CFM	315	395	475	555	635	715	795	875	
								Ps	.038	.060	.087	.119	.156	.198	.245	.296
								Pt	.056	.088	.128	.175	.229	.290	.358	.434
								NC	-	20	26	31	35	39	42	44
							Throw	12-18-26	15-22-29	18-27-32	21-29-35	24-31-37	27-33-39	29-35-41	30-37-44	

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 2" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	155	190	225	260	295	330	365	400
				Ps	.065	.097	.137	.183	.235	.294	.360	.432
Pt	.079	.118	.166	.222	.286	.357	.437	.525				
NC	-	16	21	26	30	33	36	38				
Throw	9-13-18	11-14-20	13-16-22	14-17-24	15-18-25	15-19-27	16-20-28	17-21-29				
Two Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>155</td> <td>190</td> <td>225</td> <td>260</td> <td>295</td> <td>330</td> <td>365</td> <td>400</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>155</td> <td>190</td> <td>225</td> <td>260</td> <td>295</td> <td>330</td> <td>365</td> <td>400</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>155</td> <td>190</td> <td>225</td> <td>260</td> <td>295</td> <td>330</td> <td>365</td> <td>400</td>	2 ft.	CFM	155	190	225	260	295	330	365	400
				Ps	.032	.048	.067	.089	.115	.143	.175	.211
Pt	.036	.054	.076	.101	.130	.163	.199	.239				
NC	-	16	21	26	30	33	36	38				
Throw	6-10-18	8-12-20	10-14-22	11-17-24	13-18-25	14-19-27	16-20-28	17-21-29				
Two Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>310</td> <td>380</td> <td>450</td> <td>520</td> <td>590</td> <td>660</td> <td>730</td> <td>800</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>310</td> <td>380</td> <td>450</td> <td>520</td> <td>590</td> <td>660</td> <td>730</td> <td>800</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>310</td> <td>380</td> <td>450</td> <td>520</td> <td>590</td> <td>660</td> <td>730</td> <td>800</td>	4 ft.	CFM	310	380	450	520	590	660	730	800
				Ps	.035	.053	.074	.099	.127	.159	.195	.234
Pt	.052	.079	.110	.147	.190	.238	.291	.349				
NC	-	18	23	28	32	35	38	40				
Throw	9-14-26	11-17-29	14-20-31	16-23-34	18-25-36	20-27-38	22-28-40	24-29-42				
Two Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>390</td> <td>475</td> <td>565</td> <td>650</td> <td>740</td> <td>825</td> <td>915</td> <td>1000</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>390</td> <td>475</td> <td>565</td> <td>650</td> <td>740</td> <td>825</td> <td>915</td> <td>1000</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>390</td> <td>475</td> <td>565</td> <td>650</td> <td>740</td> <td>825</td> <td>915</td> <td>1000</td>	5 ft.	CFM	390	475	565	650	740	825	915	1000
				Ps	.039	.058	.081	.109	.140	.175	.214	.257
Pt	.066	.099	.139	.185	.238	.297	.365	.437				
NC	-	19	24	29	33	36	39	42				
Throw	12-19-29	15-23-32	18-27-35	21-31-37	24-34-40	27-36-42	29-38-44	32-39-47				

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 2.5" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	210	255	300	345	390	430	475	520
				Ps	.061	.088	.122	.160	.203	.252	.306	.365
Pt	.074	.108	.148	.195	.248	.307	.373	.445				
NC	-	18	23	27	31	34	37	39				
Throw	8-12-21	10-15-24	11-17-25	13-19-27	15-20-29	16-22-31	18-23-32	19-24-34				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>425</td> <td>510</td> <td>600</td> <td>690</td> <td>775</td> <td>865</td> <td>950</td> <td>1040</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>425</td> <td>510</td> <td>600</td> <td>690</td> <td>775</td> <td>865</td> <td>950</td> <td>1040</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>425</td> <td>510</td> <td>600</td> <td>690</td> <td>775</td> <td>865</td> <td>950</td> <td>1040</td>	4 ft.	CFM	425	510	600	690	775	865	950	1040
				Ps	.067	.098	.135	.178	.226	.280	.340	.406
Pt	.121	.176	.242	.319	.404	.502	.608	.727				
NC	-	20	25	29	33	36	39	41				
Throw	11-17-30	14-21-33	16-24-36	19-27-39	21-29-41	23-31-43	26-32-45	27-34-47				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>530</td> <td>640</td> <td>750</td> <td>860</td> <td>970</td> <td>1080</td> <td>1190</td> <td>1300</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>530</td> <td>640</td> <td>750</td> <td>860</td> <td>970</td> <td>1080</td> <td>1190</td> <td>1300</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>530</td> <td>640</td> <td>750</td> <td>860</td> <td>970</td> <td>1080</td> <td>1190</td> <td>1300</td>	5 ft.	CFM	530	640	750	860	970	1080	1190	1300
				Ps	.084	.123	.169	.222	.282	.350	.425	.507
Pt	.168	.245	.336	.442	.562	.696	.845	1.009				
NC	16	21	26	31	35	38	41	43				
Throw	15-23-34	18-28-37	22-32-40	25-37-43	28-39-46	31-41-48	34-43-51	37-45-53				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>210</td> <td>255</td> <td>300</td> <td>345</td> <td>390</td> <td>430</td> <td>475</td> <td>520</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>210</td> <td>255</td> <td>300</td> <td>345</td> <td>390</td> <td>430</td> <td>475</td> <td>520</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>210</td> <td>255</td> <td>300</td> <td>345</td> <td>390</td> <td>430</td> <td>475</td> <td>520</td>	2 ft.	CFM	210	255	300	345	390	430	475	520
				Ps	.038	.055	.076	.100	.127	.157	.191	.228
Pt	.046	.067	.092	.121	.154	.191	.232	.277				
NC	-	17	22	26	30	34	36	39				
Throw	8-12-21	10-15-24	11-17-25	13-19-27	15-20-29	16-22-31	18-23-32	19-24-34				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>425</td> <td>510</td> <td>600</td> <td>690</td> <td>775</td> <td>865</td> <td>950</td> <td>1040</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>425</td> <td>510</td> <td>600</td> <td>690</td> <td>775</td> <td>865</td> <td>950</td> <td>1040</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>425</td> <td>510</td> <td>600</td> <td>690</td> <td>775</td> <td>865</td> <td>950</td> <td>1040</td>	4 ft.	CFM	425	510	600	690	775	865	950	1040
				Ps	.042	.061	.084	.111	.141	.175	.212	.254
Pt	.075	.108	.149	.196	.249	.309	.375	.448				
NC	-	19	24	28	32	36	38	41				
Throw	11-17-30	14-21-33	16-24-36	19-27-39	21-29-41	23-31-43	26-32-45	27-34-47				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>530</td> <td>640</td> <td>750</td> <td>860</td> <td>970</td> <td>1080</td> <td>1190</td> <td>1300</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>530</td> <td>640</td> <td>750</td> <td>860</td> <td>970</td> <td>1080</td> <td>1190</td> <td>1300</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>530</td> <td>640</td> <td>750</td> <td>860</td> <td>970</td> <td>1080</td> <td>1190</td> <td>1300</td>	5 ft.	CFM	530	640	750	860	970	1080	1190	1300
				Ps	.046	.068	.093	.122	.155	.192	.234	.279
Pt	.097	.141	.194	.255	.324	.402	.488	.583				
NC	-	20	26	30	34	37	40	42				
Throw	15-23-34	18-28-37	22-32-40	25-37-43	28-39-46	31-41-48	34-43-51	37-45-53				

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT STANDARD BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 3" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	195	240	280	320	365	405	450	490	
				Ps	.027	.039	.054	.072	.092	.114	.139	.166	
				Pt	.038	.056	.078	.102	.131	.163	.199	.238	
				NC	-	16	21	25	29	33	35	38	
				Throw	6-10-20	8-12-23	10-15-25	11-17-26	13-19-28	14-21-30	16-22-31	17-23-33	
			4 ft.	CFM	390	475	560	645	730	810	895	980	
					Ps	.030	.044	.060	.080	.102	.127	.155	.185
					Pt	.075	.111	.154	.203	.260	.322	.392	.470
					NC	-	18	23	27	31	35	37	40
					Throw	8-14-29	12-18-32	14-21-35	16-24-37	18-27-40	20-30-42	22-31-44	24-33-46
			5 ft.	CFM	490	595	700	805	910	1015	1120	1225	
					Ps	.041	.061	.085	.112	.143	.178	.216	.259
					Pt	.113	.166	.230	.304	.389	.484	.589	.705
					NC	-	19	24	29	33	36	39	41
					Throw	11-19-32	15-24-36	18-28-39	21-32-42	24-36-44	27-40-47	30-42-49	32-44-51
Two Slot — 3" Slot Width	Horizontal Throw	12" Oval Inlet	2 ft.	CFM	195	240	280	320	365	405	450	490	
				Ps	.022	.032	.044	.058	.075	.093	.113	.135	
				Pt	.028	.042	.058	.077	.098	.122	.149	.178	
				NC	-	-	20	24	28	32	35	37	
			Throw	6-10-20	8-12-23	10-15-25	11-17-26	13-19-28	14-21-30	16-22-31	17-23-33		
			4 ft.	CFM	390	475	560	645	730	810	895	980	
				Ps	.024	.035	.049	.065	.083	.103	.125	.150	
				Pt	.051	.076	.105	.140	.179	.221	.269	.323	
				NC	-	17	22	26	30	34	37	39	
			Throw	8-14-29	12-18-32	14-21-35	16-24-37	18-27-40	20-30-42	22-31-44	24-33-46		
			5 ft.	CFM	490	595	700	805	910	1015	1120	1225	
				Ps	.026	.039	.054	.071	.091	.113	.138	.165	
				Pt	.070	.103	.142	.188	.240	.298	.363	.435	
				NC	-	18	23	28	32	35	38	41	
			Throw	11-19-32	15-24-36	18-28-39	21-32-42	24-36-44	27-40-47	30-42-49	32-44-51		

**FORMATIONS PERFORMANCE DATA**  
**PRESSURIZED CEILING PLENUM WITH STANDARD BLADE PATTERN CONTROLLER**

1" Slot Width	1 Slot	CFM/LF	25	40	65	80	95	110	125	140
		Ps	.026	.066	.174	.264	.372	.499	.644	.808
		NC	-	16	31	37	42	45	48	51
		Throw	6-9-15	10-13-19	14-17-24	15-19-26	17-20-29	18-22-31	19-23-33	20-25-35
	2 Slot	CFM/LF	40	60	100	120	145	165	190	210
		Ps	.017	.038	.105	.151	.221	.286	.379	.463
		NC	-	-	26	32	38	41	45	47
		Throw	7-10-19	10-15-23	17-21-29	19-23-32	20-25-35	22-27-38	23-29-41	25-30-43
1.5" Slot Width	1 Slot	CFM/LF	30	50	80	95	115	130	150	170
		Ps	.026	.072	.184	.259	.380	.486	.647	.831
		NC	-	16	31	36	41	44	48	50
		Throw	6-9-16	10-15-21	15-19-26	17-20-29	18-22-32	19-24-34	21-25-36	22-27-38
	2 Slot	CFM/LF	45	75	120	145	175	195	225	255
		Ps	.017	.048	.123	.179	.261	.324	.431	.553
		NC	-	-	25	31	37	40	44	47
		Throw	5-9-19	11-16-25	17-23-32	20-25-35	22-28-39	24-29-41	25-31-44	27-33-47
2" Slot Width	1 Slot	CFM/LF	35	55	90	110	135	155	175	195
		Ps	.025	.062	.166	.248	.374	.493	.628	.780
		NC	-	-	27	33	39	42	45	48
		Throw	5-9-17	9-14-22	15-20-28	18-22-31	20-24-34	21-26-37	22-28-39	24-29-41
	2 Slot	CFM/LF	55	85	135	165	205	235	265	295
		Ps	.016	.039	.099	.148	.229	.301	.383	.474
		NC	-	-	20	27	34	38	41	44
		Throw	5-10-20	10-15-27	16-24-34	20-27-38	24-30-42	26-32-45	28-34-48	29-36-51
2.5" Slot Width	1 Slot	CFM/LF	40	60	100	120	145	165	190	210
		Ps	.020	.045	.126	.181	.265	.343	.455	.556
		NC	-	-	23	29	35	38	42	44
		Throw	5-9-18	9-14-23	15-21-29	18-23-39	20-25-35	22-27-38	23-29-41	25-30-43
	2 Slot	CFM/LF	60	90	150	180	220	250	285	315
		Ps	.012	.026	.073	.105	.156	.202	.262	.320
		NC	-	-	17	22	29	33	37	40
		Throw	4-9-20	9-15-28	16-24-36	20-28-39	24-31-44	27-33-47	29-35-50	30-37-52
3" Slot Width	1 Slot	CFM/LF	45	70	115	145	170	200	225	250
		Ps	.021	.051	.138	.219	.301	.416	.527	.650
		NC	-	-	21	29	34	38	42	44
		Throw	5-9-19	10-15-25	16-22-32	20-25-35	22-27-38	24-29-42	25-31-44	27-33-47
	2 Slot	CFM/LF	70	105	175	220	255	300	340	420
		Ps	.011	.025	.070	.111	.150	.207	.266	.406
		NC	-	-	16	23	28	33	37	43
		Throw	4-9-21	9-16-30	17-26-39	22-31-44	25-33-47	29-36-51	31-38-54	35-43-60

**FORMATIONS PERFORMANCE DATA**  
**1 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 1" Slot Width	Horizontal Throw	6" Round Inlet	2 ft.	CFM	20	40	60	80	100	120	140	160
				Ps	.004	.018	.040	.071	.111	.159	.217	.283
Pt	.005	.020	.046	.081	.127	.182	.248	.324				
NC	-	-	20	26	31	35	38	41				
Throw	1-3-7	4-7-11	7-10-14	9-11-16	10-13-18	11-14-19	12-15-21	13-16-22				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>40</td> <td>80</td> <td>120</td> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td> </td></td>	Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>40</td> <td>80</td> <td>120</td> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td> </td>	6" Round Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>40</td> <td>80</td> <td>120</td> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td>	4 ft.	CFM	40	80	120	160	200	240	280	320
				Ps	.005	.020	.044	.079	.123	.177	.241	.314
Pt	.008	.030	.068	.120	.188	.270	.368	.480				
NC	-	-	22	28	33	37	40	43				
Throw	2-4-9	6-9-16	9-14-19	13-16-22	14-18-25	16-19-27	17-21-30	18-22-32				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </td></td>	Horizontal Throw <td rowspan="2">6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </td>	6" Round Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td>	5 ft.	CFM	50	100	150	200	250	300	350	400
				Ps	.005	.022	.049	.086	.135	.195	.265	.346
Pt	.009	.038	.085	.151	.236	.340	.463	.605				
NC	-	16	23	29	34	38	42	45				
Throw	2-5-11	8-13-18	13-18-22	17-21-25	19-24-28	21-26-31	23-28-33	24-30-35				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>20</td> <td>40</td> <td>60</td> <td>80</td> <td>100</td> <td>120</td> <td>140</td> <td>160</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>20</td> <td>40</td> <td>60</td> <td>80</td> <td>100</td> <td>120</td> <td>140</td> <td>160</td> </td>	8" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>20</td> <td>40</td> <td>60</td> <td>80</td> <td>100</td> <td>120</td> <td>140</td> <td>160</td>	2 ft.	CFM	20	40	60	80	100	120	140	160
				Ps	.003	.011	.025	.045	.070	.101	.137	.179
Pt	.003	.012	.027	.049	.076	.109	.149	.194				
NC	-	-	-	21	26	31	35	39				
Throw	1-3-7	4-7-11	7-10-14	9-11-16	10-13-18	11-14-19	12-15-21	13-16-22				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>40</td> <td>80</td> <td>120</td> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>40</td> <td>80</td> <td>120</td> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td> </td>	8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>40</td> <td>80</td> <td>120</td> <td>160</td> <td>200</td> <td>240</td> <td>280</td> <td>320</td>	4 ft.	CFM	40	80	120	160	200	240	280	320
				Ps	.003	.012	.028	.050	.078	.112	.152	.199
Pt	.004	.016	.036	.065	.101	.146	.198	.259				
NC	-	-	17	23	28	33	37	41				
Throw	2-4-9	6-9-16	9-14-19	13-16-22	14-18-25	16-19-27	17-21-30	18-22-32				
One Slot — 1" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </td>	8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>50</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td>	5 ft.	CFM	50	100	150	200	250	300	350	400
				Ps	.003	.014	.031	.055	.086	.123	.168	.219
Pt	.005	.020	.044	.078	.122	.176	.239	.312				
NC	-	-	18	24	30	35	39	42				
Throw	2-5-11	8-13-18	13-18-22	17-21-25	19-24-28	21-26-31	23-28-33	24-30-35				



**FORMATIONS PERFORMANCE DATA**
**1 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 1.5" Slot Width	Horizontal Throw	6" Round Inlet	2 ft.	CFM	30	60	90	120	150	180	210	240		
				Ps	.009	.035	.078	.139	.217	.313	.426	.557		
				Pt	.010	.041	.091	.162	.254	.366	.498	.650		
				NC	-	-	21	27	32	36	39	42		
				Throw	2-3-8	5-8-14	8-12-17	11-14-19	13-15-22	14-17-24	15-18-26	16-19-27		
		8" Oval Inlet	4 ft.	CFM	60	120	180	240	300	360	420	480		
				Ps	.010	.039	.087	.155	.242	.348	.474	.619		
				Pt	.015	.062	.139	.248	.387	.558	.759	.991		
				NC	-	16	23	29	34	38	41	44		
				Throw	2-5-12	8-12-19	12-17-24	15-19-27	18-22-31	19-24-34	21-26-36	22-27-39		
			5 ft.	CFM	75	150	225	300	375	450	525	600		
				Ps	.011	.043	.096	.170	.266	.383	.521	.680		
				Pt	.020	.079	.178	.316	.493	.710	.967	1.263		
				NC	-	17	25	30	35	39	43	46		
				Throw	3-7-13	10-16-22	16-23-27	21-26-31	24-29-34	26-32-38	28-34-41	30-37-43		
One Slot — 1.5" Slot Width	Horizontal Throw		8" Oval Inlet	2 ft.	CFM	30	60	90	120	150	180	210	240	
					Ps	.006	.022	.050	.088	.138	.198	.270	.353	
					Pt	.006	.024	.054	.097	.151	.217	.296	.386	
					NC	-	-	16	22	28	32	37	40	
					Throw	2-3-8	5-8-14	8-12-17	11-14-19	13-15-22	14-17-24	15-18-26	16-19-27	
						4 ft.	CFM	60	120	180	240	300	360	420
					Ps		.006	.024	.055	.098	.153	.220	.300	.392
					Pt		.008	.033	.074	.131	.205	.296	.403	.526
					NC		-	-	18	24	30	34	39	42
					Throw		2-5-12	8-12-19	12-17-24	15-19-27	18-22-31	19-24-34	21-26-36	22-27-39
					5 ft.	CFM	75	150	225	300	375	450	525	600
						Ps	.007	.027	.061	.108	.168	.242	.330	.431
						Pt	.010	.040	.090	.160	.250	.360	.490	.640
						NC	-	-	19	26	31	36	40	44
						Throw	3-7-13	10-16-22	16-23-27	21-26-31	24-29-34	26-32-38	28-34-41	30-37-43

**FORMATIONS PERFORMANCE DATA**

**1 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 2" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	70	100	130	160	190	220	250	280
				Ps	.022	.044	.075	.113	.159	.213	.276	.346
Pt	.023	.047	.080	.121	.170	.228	.294	.369				
NC	-	-	20	25	30	33	37	40				
Throw	5-8-15	8-12-18	10-14-20	13-16-22	14-17-24	15-19-26	16-20-28	17-21-30				
One Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td>	4 ft.	CFM	140	200	260	320	380	440	500	560
				Ps	.024	.049	.083	.125	.177	.237	.306	.384
Pt	.030	.061	.103	.156	.220	.295	.381	.477				
NC	-	17	22	27	3	35	39	42				
Throw	8-12-21	11-17-25	14-20-29	18-22-32	20-24-34	21-26-37	23-28-40	24-30-42				
One Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>175</td> <td>250</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>175</td> <td>250</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>175</td> <td>250</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td>	5 ft.	CFM	175	250	325	400	475	550	625	700
				Ps	.026	.054	.091	.138	.195	.261	.337	.423
Pt	.036	.072	.122	.186	.262	.351	.453	.568				
NC	-	18	24	29	33	37	40	43				
Throw	10-16-23	15-22-28	19-27-32	24-30-35	27-33-39	29-35-41	31-38-44	32-40-47				
One Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>70</td> <td>100</td> <td>130</td> <td>160</td> <td>190</td> <td>220</td> <td>250</td> <td>280</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>70</td> <td>100</td> <td>130</td> <td>160</td> <td>190</td> <td>220</td> <td>250</td> <td>280</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>70</td> <td>100</td> <td>130</td> <td>160</td> <td>190</td> <td>220</td> <td>250</td> <td>280</td>	2 ft.	CFM	70	100	130	160	190	220	250	280
				Ps	.020	.041	.069	.104	.147	.197	.255	.320
Pt	.021	.043	.072	.109	.154	.206	.266	.334				
NC	-	-	20	25	30	33	37	40				
Throw	5-8-15	8-12-18	10-14-20	13-16-22	14-17-24	15-19-26	16-20-28	17-21-30				
One Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>140</td> <td>200</td> <td>260</td> <td>320</td> <td>380</td> <td>440</td> <td>500</td> <td>560</td>	4 ft.	CFM	140	200	260	320	380	440	500	560
				Ps	.022	.045	.077	.116	.164	.219	.283	.355
Pt	.026	.052	.089	.134	.189	.254	.328	.412				
NC	-	17	22	27	32	35	39	42				
Throw	8-12-21	11-17-25	14-20-29	18-22-32	20-24-34	21-26-37	23-38-40	24-30-42				
One Slot — 2" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>175</td> <td>250</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>175</td> <td>250</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>175</td> <td>250</td> <td>325</td> <td>400</td> <td>475</td> <td>550</td> <td>625</td> <td>700</td>	5 ft.	CFM	175	250	325	400	475	550	625	700
				Ps	.024	.050	.084	.128	.180	.241	.311	.391
Pt	.030	.061	.103	.156	.220	.296	.382	.479				
NC	-	18	24	29	33	37	40	43				
Throw	10-16-23	15-22-28	19-27-32	24-30-35	27-33-39	29-35-41	31-38-44	32-40-47				

**FORMATIONS PERFORMANCE DATA**  
**1 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 2.5" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	65	110	150	190	235	275	320	360
				Ps	.016	.042	.081	.133	.197	.274	.364	.467
Pt	.017	.046	.088	.143	.214	.297	.394	.505				
NC	-	-	19	24	29	34	37	41				
Throw	3-4-8	4-6-12	6-9-17	7-11-22	9-13-25	11-16-27	12-18-29	14-21-31				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>130</td> <td>215</td> <td>300</td> <td>385</td> <td>470</td> <td>550</td> <td>635</td> <td>720</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>130</td> <td>215</td> <td>300</td> <td>385</td> <td>470</td> <td>550</td> <td>635</td> <td>720</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>130</td> <td>215</td> <td>300</td> <td>385</td> <td>470</td> <td>550</td> <td>635</td> <td>720</td>	4 ft.	CFM	130	215	300	385	470	550	635	720
				Ps	.017	.047	.090	.147	.219	.305	.404	.518
Pt	.022	.060	.117	.191	.285	.395	.524	.672				
NC	-	-	21	26	31	36	39	43				
Throw	4-5-11	6-9-18	8-12-24	10-16-31	13-19-35	15-23-38	17-26-41	20-29-44				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>165</td> <td>270</td> <td>375</td> <td>480</td> <td>585</td> <td>690</td> <td>795</td> <td>900</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>165</td> <td>270</td> <td>375</td> <td>480</td> <td>585</td> <td>690</td> <td>795</td> <td>900</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>165</td> <td>270</td> <td>375</td> <td>480</td> <td>585</td> <td>690</td> <td>795</td> <td>900</td>	5 ft.	CFM	165	270	375	480	585	690	795	900
				Ps	.019	.051	.099	.162	.241	.335	.445	.570
Pt	.027	.073	.141	.231	.343	.477	.633	.811				
NC	-	15	22	28	33	37	41	44				
Throw	5-7-12	8-12-20	11-16-27	14-21-35	17-26-39	20-30-43	23-35-46	26-39-49				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>65</td> <td>110</td> <td>150</td> <td>190</td> <td>235</td> <td>275</td> <td>320</td> <td>360</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>65</td> <td>110</td> <td>150</td> <td>190</td> <td>235</td> <td>275</td> <td>320</td> <td>360</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>65</td> <td>110</td> <td>150</td> <td>190</td> <td>235</td> <td>275</td> <td>320</td> <td>360</td>	2 ft.	CFM	65	110	150	190	235	275	320	360
				Ps	.015	.040	.076	.125	.186	.259	.344	.440
Pt	.016	.042	.080	.132	.196	.272	.362	.464				
NC	-	-	19	24	29	34	37	41				
Throw	3-4-8	4-6-12	6-9-17	7-11-22	9-13-25	11-16-27	12-18-29	14-21-31				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>130</td> <td>215</td> <td>300</td> <td>385</td> <td>470</td> <td>550</td> <td>635</td> <td>720</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>130</td> <td>215</td> <td>300</td> <td>385</td> <td>470</td> <td>550</td> <td>635</td> <td>720</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>130</td> <td>215</td> <td>300</td> <td>385</td> <td>470</td> <td>550</td> <td>635</td> <td>720</td>	4 ft.	CFM	130	215	300	385	470	550	635	720
				Ps	.016	.044	.085	.139	.207	.288	.382	.489
Pt	.019	.052	.101	.166	.246	.342	.454	.582				
NC	-	-	21	26	31	36	39	43				
Throw	4-5-11	6-9-18	8-12-24	10-16-31	13-19-35	15-23-38	17-26-41	20-29-44				
One Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>165</td> <td>270</td> <td>375</td> <td>480</td> <td>585</td> <td>690</td> <td>795</td> <td>900</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>165</td> <td>270</td> <td>375</td> <td>480</td> <td>585</td> <td>690</td> <td>795</td> <td>900</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>165</td> <td>270</td> <td>375</td> <td>480</td> <td>585</td> <td>690</td> <td>795</td> <td>900</td>	5 ft.	CFM	165	270	375	480	585	690	795	900
				Ps	.018	.048	.093	.153	.227	.316	.420	.538
Pt	.023	.062	.119	.194	.289	.402	.533	.684				
NC	-	15	22	28	33	37	41	44				
Throw	5-7-12	8-12-20	11-16-27	14-21-35	17-26-39	20-30-43	23-35-46	26-39-49				

LINEAR DIFFUSERS  
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XG-FTS

**FORMATIONS PERFORMANCE DATA**

**1 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

One Slot — 3" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	135	180	220	260	305	345	390	430
				Ps	.032	.055	.084	.119	.160	.207	.260	.320
Pt	.037	.064	.098	.139	.187	.242	.305	.374				
NC	-	18	23	28	31	35	38	40				
Throw	5-7-14	6-9-19	8-12-23	9-14-26	11-16-28	12-18-30	14-20-32	15-23-34				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>270</td> <td>355</td> <td>440</td> <td>525</td> <td>610</td> <td>690</td> <td>775</td> <td>860</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>270</td> <td>355</td> <td>440</td> <td>525</td> <td>610</td> <td>690</td> <td>775</td> <td>860</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>270</td> <td>355</td> <td>440</td> <td>525</td> <td>610</td> <td>690</td> <td>775</td> <td>860</td>	4 ft.	CFM	270	355	440	525	610	690	775	860
				Ps	.036	.061	.093	.132	.177	.230	.289	.355
Pt	.057	.098	.150	.214	.288	.371	.467	.575				
NC	-	20	25	30	33	37	40	42				
Throw	7-10-20	9-13-26	11-16-33	13-19-37	15-23-40	17-26-43	19-29-45	21-32-48				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>340</td> <td>445</td> <td>550</td> <td>655</td> <td>760</td> <td>865</td> <td>970</td> <td>1075</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>340</td> <td>445</td> <td>550</td> <td>655</td> <td>760</td> <td>865</td> <td>970</td> <td>1075</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>340</td> <td>445</td> <td>550</td> <td>655</td> <td>760</td> <td>865</td> <td>970</td> <td>1075</td>	5 ft.	CFM	340	445	550	655	760	865	970	1075
				Ps	.039	.067	.102	.145	.195	.253	.318	.391
Pt	.073	.126	.192	.272	.367	.475	.597	.734				
NC	16	22	27	31	35	38	41	44				
Throw	9-14-23	12-18-30	15-22-37	17-26-42	20-30-45	23-35-48	26-39-51	29-43-53				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>220</td> <td>260</td> <td>305</td> <td>345</td> <td>390</td> <td>430</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>220</td> <td>260</td> <td>305</td> <td>345</td> <td>390</td> <td>430</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>135</td> <td>180</td> <td>220</td> <td>260</td> <td>305</td> <td>345</td> <td>390</td> <td>430</td>	2 ft.	CFM	135	180	220	260	305	345	390	430
				Ps	.030	.052	.079	.112	.151	.195	.246	.302
Pt	.033	.057	.088	.124	.167	.217	.273	.335				
NC	-	18	23	28	31	35	38	40				
Throw	5-7-14	6-9-19	8-12-23	9-14-26	11-16-28	12-18-30	14-20-32	15-23-34				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>270</td> <td>355</td> <td>440</td> <td>525</td> <td>610</td> <td>690</td> <td>775</td> <td>860</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>270</td> <td>355</td> <td>440</td> <td>525</td> <td>610</td> <td>690</td> <td>775</td> <td>860</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>270</td> <td>355</td> <td>440</td> <td>525</td> <td>610</td> <td>690</td> <td>775</td> <td>860</td>	4 ft.	CFM	270	355	440	525	610	690	775	860
				Ps	.034	.057	.088	.124	.167	.217	.273	.335
Pt	.047	.080	.122	.174	.234	.302	.381	.468				
NC	-	20	25	30	33	37	40	42				
Throw	7-10-20	9-13-26	11-16-33	13-19-37	15-23-40	17-26-43	19-29-45	21-32-48				
One Slot — 3" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>340</td> <td>445</td> <td>550</td> <td>655</td> <td>760</td> <td>865</td> <td>970</td> <td>1075</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>340</td> <td>445</td> <td>550</td> <td>655</td> <td>760</td> <td>865</td> <td>970</td> <td>1075</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>340</td> <td>445</td> <td>550</td> <td>655</td> <td>760</td> <td>865</td> <td>970</td> <td>1075</td>	5 ft.	CFM	340	445	550	655	760	865	970	1075
				Ps	.037	.063	.096	.137	.184	.239	.300	.369
Pt	.058	.099	.151	.214	.288	.373	.469	.576				
NC	16	22	27	31	35	38	41	44				
Throw	9-14-23	12-18-30	15-22-37	17-26-42	20-30-45	23-35-48	26-39-51	29-43-53				

LINEAR DIFFUSERS  
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FORMATIONS  
LINEAR DIFFUSERS

XG-FTS

**FORMATIONS PERFORMANCE DATA**  
**1 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	70	110	155	200	240	285	325	370
				Ps	.009	.025	.048	.078	.116	.161	.213	.273
Pt	.012	.032	.062	.101	.149	.208	.275	.353				
NC	-	20	26	30	34	37	40	43				
Throw	4-5-10	6-9-13	8-11-15	10-12-18	11-14-19	12-15-21	13-16-23	14-17-24				
One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	CFM	140	225	310	395	480	570	655	740
				Ps	.014	.036	.068	.112	.166	.230	.305	.390
One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	Pt	.025	.065	.124	.203	.300	.419	.555	.709
				NC	-	22	28	32	36	39	42	45
One Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	Throw	5-8-15	8-13-19	12-15-22	14-18-25	16-19-27	17-21-30	18-23-32	20-24-4	
				CFM	175	280	390	495	605	710	820	925
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	Ps	.018	.046	.089	.145	.215	.299	.396	.507
				Pt	.035	.092	.178	.288	.428	.592	.788	1.005
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	NC	15	23	29	34	38	41	44	46	
				Throw	7-10-16	11-17-21	15-21-24	19-23-28	21-26-31	23-28-33	25-30-36	26-32-38
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	CFM	70	110	155	200	240	285	325	370
				Ps	.012	.031	.060	.097	.144	.200	.204	.340
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	Pt	.013	.035	.067	.109	.161	.225	.223	.381
				NC	-	17	22	26	29	32	33	36
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	Throw	4-5-10	6-9-13	8-11-15	10-12-18	11-14-19	12-15-21	13-16-23	14-17-24	
				CFM	140	225	310	395	480	570	655	740
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	Ps	.017	.045	.085	.139	.206	.286	.291	.486
				Pt	.023	.060	.114	.186	.275	.383	.368	.649
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	NC	-	19	24	28	31	34	35	38	
				Throw	5-8-15	8-13-19	12-15-22	14-18-25	16-19-27	17-21-30	18-23-32	20-24-34
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	CFM	175	280	390	495	605	710	820	925
				Ps	.022	.058	.111	.181	.268	.372	.379	.632
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	Pt	.031	.081	.156	.254	.377	.522	.500	.886	
				NC	-	20	26	30	33	35	36	40
One Slot — 1" Slot Width	Vertical Throw	10" Oval Inlet	Throw	7-10-16	11-17-21	15-21-24	19-23-28	21-26-31	23-28-33	25-30-36	26-32-38	

**FORMATIONS PERFORMANCE DATA**

**1 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 1" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	70	110	155	200	240	285	325	370
				Ps	.009	.024	.046	.075	.111	.154	.204	.261
Pt	.010	.026	.050	.082	.121	.168	.223	.286				
NC	-	-	18	23	27	30	33	35				
Throw	4-5-10	6-9-13	8-11-15	10-12-18	11-14-19	12-15-21	13-16-23	14-17-24				
One Slot — 1.5" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	80	140	200	260	320	380	440	500
				Ps	.012	.037	.075	.127	.192	.270	.363	.468
Pt	.016	.048	.098	.166	.251	.354	.475	.614				
NC	-	18	25	30	34	37	40	42				
Throw	3-5-10	6-9-15	9-12-18	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28				
One Slot — 1.5" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	CFM	160	280	400	520	640	760	880	1000
				Ps	.017	.052	.107	.181	.274	.386	.518	.669
Pt	0.032	0.098	0.2	0.338	0.512	0.723	0.969	1.251				
NC	-	20	27	32	36	39	42	44				
Throw	5-7-15	9-13-21	12-18-25	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39				
One Slot — 1.5" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	CFM	200	350	500	650	800	950	1100	1250
				Ps	.022	.068	.139	.235	.356	.502	.673	.869
Pt	.046	.139	.285	.481	.729	1.028	1.378	1.779				
NC	-	22	28	39	37	40	43	46				
Throw	7-10-16	11-17-23	16-24-28	21-27-32	24-30-35	27-33-38	29-35-41	30-37-44				

**FORMATIONS PERFORMANCE DATA**  
**1 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 1.5" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	CFM	80	140	200	260	320	380	440	500		
				Ps	.008	.026	.052	.088	.134	.189	.253	.326		
				Pt	.010	.031	.064	.108	.164	.231	.310	.401		
				NC	-	15	21	26	29	32	34	36		
				Throw	3-5-10	6-9-15	9-12-18	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28		
		12" Oval Inlet	4 ft.	CFM	160	280	400	520	640	760	880	1000		
						Ps	.012	.037	.075	.126	.191	.269	.361	.466
						Pt	.020	.060	.122	.206	.313	.441	.591	.763
						NC	-	17	23	28	31	34	36	38
					Throw	5-7-15	9-13-21	12-18-25	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39	
				5 ft.	CFM	200	350	500	650	800	950	1100	1250	
						Ps	.016	.048	.097	.164	.248	.350	.469	.606
						Pt	.027	.084	.171	.289	.438	.618	.829	1.070
						NC	-	19	25	29	32	35	37	40
					Throw	7-10-16	11-17-23	16-24-28	21-27-32	24-30-35	27-33-38	29-35-41	30-37-44	
One Slot — 1.5" Slot Width	Vertical Throw		2 ft.	CFM	80	140	200	260	320	380	440	500		
				Ps	.006	.020	.040	.068	.103	.145	.194	.250		
				Pt	.008	.023	.047	.080	.121	.170	.229	.295		
				NC	-	-	17	22	26	30	32	35		
			Throw	3-5-10	6-9-15	9-12-18	11-14-20	13-16-22	14-17-24	15-18-26	16-20-28			
			4 ft.	CFM	160	280	400	520	640	760	880	1000		
		Ps		.009	.028	.057	.097	.146	.206	.277	.358			
		Pt		.014	.042	.086	.145	.220	.310	.416	.537			
		NC		-	-	19	24	28	32	34	37			
		Throw	5-7-15	9-13-21	12-18-25	16-20-28	18-22-31	20-24-34	21-26-37	23-28-39				
		5 ft.	CFM	200	350	500	650	800	950	1100	1250			
			Ps	.012	.036	.074	.126	.190	.268	.360	.465			
			Pt	.019	.058	.119	.202	.305	.431	.577	.746			
			NC	-	-	21	26	30	33	36	38			
		Throw	7-10-16	11-17-23	16-24-28	21-27-32	24-30-35	27-33-38	29-35-41	30-37-44				

**FORMATIONS PERFORMANCE DATA**

**1 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	70	125	180	235	290	350	405	460
				Ps	.007	.024	.051	.088	.134	.191	.257	.333
Pt	.010	.033	.070	.120	.183	.262	.353	.456				
NC	-	19	25	31	35	38	41	44				
Throw	2-3-7	4-6-12	6-9-18	8-12-22	10-15-24	12-17-26	13-20-28	15-21-30				
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	CFM	135	250	360	470	585	695	810	920
				Ps	.010	.035	.073	.125	.192	.272	.367	.476
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	Pt	.021	.071	.148	.254	.391	.554	.749	.969
				NC	-	21	27	33	37	40	43	46
One Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	Throw	3-5-10	6-9-18	8-13-25	11-17-31	14-21-34	16-25-37	19-28-40	22-30-43	
				CFM	170	310	450	590	730	870	1010	1150
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	Ps	.014	.045	.095	.163	.249	.354	.477	.619
				Pt	.030	.101	.213	.366	.560	.795	1.071	1.389
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	NC	-	22	29	34	38	41	44	47	
				Throw	4-6-11	8-12-20	11-17-28	15-22-34	18-28-38	22-33-42	26-38-45	29-41-48
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	CFM	70	125	180	235	290	350	405	460
				Ps	.006	.020	.041	.071	.109	.155	.209	.271
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	Pt	.007	.024	.051	.088	.134	.191	.258	.334	
				NC	-	15	22	26	30	32	35	37
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	Throw	2-3-7	4-6-12	6-9-18	8-12-22	10-15-24	12-17-26	13-20-28	15-21-30	
				CFM	135	250	360	470	585	695	810	920
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	Ps	.008	.028	.059	.102	.156	.221	.298	.387
				Pt	.014	.047	.098	.167	.257	.365	.493	.638
One Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	NC	-	17	24	28	32	34	37	39	
				Throw	3-5-10	6-9-18	8-13-25	11-17-31	14-21-34	16-25-37	19-28-40	22-30-43
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	170	310	450	590	730	870	1010	1150
				Ps	.011	.037	.077	.132	.203	.288	.388	.503
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	Pt	.020	.065	.137	.236	.361	.513	.691	.896	
				NC	-	19	25	30	33	36	38	41
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	Throw	4-6-11	8-12-20	11-17-28	15-22-34	18-28-38	22-33-42	26-38-45	29-41-48	
				CFM	70	125	180	235	290	350	405	460
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	4 ft.	Ps	.004	.012	.026	.044	.067	.095	.129	.167
				Pt	.005	.015	.031	.054	.082	.117	.158	.205
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	NC	-	-	18	23	27	31	33	36	
				Throw	2-3-7	4-6-12	6-9-18	8-12-22	10-15-24	12-17-26	13-20-28	15-21-30
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	4 ft.	CFM	135	250	360	470	585	695	810	920
				Ps	.005	.017	.036	.063	.096	.136	.184	.238
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	Pt	.008	.029	.060	.102	.157	.223	.302	.390	
				NC	-	-	20	25	29	33	35	38
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	Throw	3-5-10	6-9-18	8-13-25	11-17-31	14-21-34	16-25-37	19-28-40	22-30-43	
				CFM	170	310	450	590	730	870	1010	1150
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	5 ft.	Ps	.007	.022	.047	.081	.125	.177	.239	.309
				Pt	.012	.040	.084	.144	.220	.313	.422	.547
One Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	NC	-	-	22	27	31	34	37	39	
				Throw	4-6-11	8-12-20	11-17-28	15-22-34	18-28-38	22-33-42	26-38-45	29-41-48

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

XG-FTS



**FORMATIONS PERFORMANCE DATA**  
**1 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

One Slot — 2.5" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	195	290	385	480	575	670	765	860
				Ps	.017	.037	.065	.101	.145	.196	.256	.324
Pt	.023	.052	.091	.142	.204	.277	.361	.456				
NC	-	22	27	32	35	38	40	42				
Throw	6-9-18	9-13-24	12-18-28	15-22-31	17-24-34	20-26-37	23-28-39	24-29-41				
One Slot — 3" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft. <th>CFM</th> <th>195</th> <th>290</th> <th>385</th> <th>480</th> <th>575</th> <th>670</th> <th>765</th> <th>860</th> </td></td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft. <th>CFM</th> <th>195</th> <th>290</th> <th>385</th> <th>480</th> <th>575</th> <th>670</th> <th>765</th> <th>860</th> </td></td>	12" Oval Inlet <td rowspan="2">2 ft. <th>CFM</th> <th>195</th> <th>290</th> <th>385</th> <th>480</th> <th>575</th> <th>670</th> <th>765</th> <th>860</th> </td>	2 ft. <th>CFM</th> <th>195</th> <th>290</th> <th>385</th> <th>480</th> <th>575</th> <th>670</th> <th>765</th> <th>860</th>	CFM	195	290	385	480	575	670	765	860
				Ps	.015	.033	.058	.090	.130	.176	.229	.290
Pt	.022	.048	.085	.132	.189	.257	.335	.423				
NC	-	-	20	24	28	31	33	35				
Throw	6-9-18	9-13-24	12-18-28	15-22-31	17-24-34	20-26-37	23-29-39	24-29-41				
One Slot — 2.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th> </td></td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th> </td></td>	12" Oval Inlet <td rowspan="2">4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th> </td>	4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th>	CFM	390	580	770	960	1150	1340	1530	1720
				Ps	.024	.053	.093	.144	.207	.281	.366	.462
Pt	.051	.113	.199	.310	.444	.603	.786	.994				
NC	17	24	29	34	37	40	42	44				
Throw	8-13-25	12-19-34	17-25-39	21-31-44	25-34-48	29-37-52	32-39-55	34-41-59				
One Slot — 3" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th> </td></td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th> </td></td>	12" Oval Inlet <td rowspan="2">4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th> </td>	4 ft. <th>CFM</th> <th>390</th> <th>580</th> <th>770</th> <th>960</th> <th>1150</th> <th>1340</th> <th>1530</th> <th>1720</th>	CFM	390	580	770	960	1150	1340	1530	1720
				Ps	.021	.047	.083	.129	.185	.251	.328	.414
Pt	.049	.108	.190	.295	.423	.574	.748	.946				
NC	-	17	22	26	30	33	35	37				
Throw	8-13-25	12-19-34	17-25-39	21-31-44	25-34-48	29-37-52	32-39-55	34-41-59				
One Slot — 2.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th> </td></td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th> </td></td>	12" Oval Inlet <td rowspan="2">5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th> </td>	5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th>	CFM	490	725	965	1200	1440	1675	1915	2150
				Ps	.031	.068	.120	.187	.269	.365	.475	.601
Pt	.074	.163	.288	.446	.641	.869	1.134	1.432				
NC	18	25	31	35	38	41	43	45				
Throw	11-17-28	17-25-38	22-33-44	28-42-49	33-45-54	39-49-58	43-52-62	45-56-66				
One Slot — 3" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th> </td></td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th> </td></td>	12" Oval Inlet <td rowspan="2">5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th> </td>	5 ft. <th>CFM</th> <th>490</th> <th>725</th> <th>965</th> <th>1200</th> <th>1440</th> <th>1675</th> <th>1915</th> <th>2150</th>	CFM	490	725	965	1200	1440	1675	1915	2150
				Ps	.028	.061	.108	.168	.241	.327	.426	.538
Pt	.071	.156	.275	.426	.613	.831	1.085	1.369				
NC	-	18	24	28	31	34	37	39				
Throw	11-17-28	17-25-38	22-33-44	28-42-49	33-45-54	39-49-58	43-52-62	45-56-66				

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 1" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	110	145	180	215	250	290	325	360		
				Ps	.037	.065	.102	.147	.200	.261	.331	.408		
				Pt	.044	.078	.121	.174	.236	.310	.392	.484		
				NC	-	17	22	26	30	34	37	40		
				Throw	6-10-15	9-13-18	11-14-20	13-15-22	14-17-24	15-18-25	15-19-27	16-20-28		
		10" Oval Inlet	4 ft.	CFM	215	290	360	430	505	575	550	720		
				Ps	.041	.073	.113	.163	.222	.290	.367	.454		
				Pt	.068	.122	.189	.271	.371	.483	.613	.755		
				NC	-	19	24	28	32	36	39	42		
				Throw	9-14-22	12-18-25	15-20-28	18-22-31	19-24-33	21-25-36	22-27-38	23-28-40		
			5 ft.	CFM	270	360	450	540	630	720	810	900		
				Ps	.045	.080	.125	.180	.244	.319	.404	.499		
				Pt	.087	.155	.243	.349	.476	.621	.786	.971		
				NC	-	20	25	30	34	37	40	43		
				Throw	12-18-24	16-24-28	21-27-32	24-29-35	26-32-37	28-34-40	29-36-42	31-38-45		
Two Slot — 1" Slot Width	Horizontal Throw		10" Oval Inlet	2 ft.	CFM	110	145	180	215	250	290	325	360	
					Ps	.033	.058	.091	.131	.179	.233	.295	.365	
					Pt	.036	.065	.101	.145	.197	.258	.327	.403	
		NC			-	17	22	26	30	34	37	40		
		Throw			6-10-15	9-13-18	11-14-20	13-15-22	14-17-24	15-18-25	15-19-27	16-20-28		
					4 ft.	CFM	215	290	360	430	505	575	550	720
						Ps	.036	.065	.101	.146	.198	.259	.328	.405
						Pt	.050	.090	.140	.201	.274	.357	.454	.559
						NC	-	19	24	28	32	36	39	42
						Throw	9-14-22	12-18-25	15-20-28	18-22-31	19-24-33	21-25-36	22-27-38	23-28-40
					5 ft.	CFM	270	360	450	540	530	720	810	900
						Ps	.040	.071	.111	.160	.218	.285	.361	.446
						Pt	.062	.110	.172	.247	.336	.439	.556	.686
		NC	-	20		25	30	34	37	40	43			
		Throw	12-18-24	16-24-28		21-27-32	24-29-35	26-32-37	28-34-40	29-36-42	31-38-45			

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 1.5" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	95	125	155	185	215	250	280	310
				Ps	.018	.033	.051	.073	.100	.130	.165	.203
Pt	.024	.042	.065	.093	.127	.166	.210	.259				
NC	-	17	22	27	31	34	37	40				
Throw	4-7-14	6-9-17	8-11-18	9-14-20	11-15-22	12-17-23	14-18-25	15-18-26				
Two Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>185</td> <td>250</td> <td>310</td> <td>370</td> <td>435</td> <td>495</td> <td>560</td> <td>620</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>185</td> <td>250</td> <td>310</td> <td>370</td> <td>435</td> <td>495</td> <td>560</td> <td>620</td> </td>	8" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>185</td> <td>250</td> <td>310</td> <td>370</td> <td>435</td> <td>495</td> <td>560</td> <td>620</td>	4 ft.	CFM	185	250	310	370	435	495	560	620
				Ps	.020	.036	.056	.081	.111	.145	.183	.226
Pt	.040	.073	.112	.161	.221	.287	.366	.450				
NC	-	19	24	29	33	36	39	42				
Throw	5-10-19	9-13-23	11-16-26	13-19-29	15-22-31	17-23-33	19-25-35	21-26-37				
Two Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>235</td> <td>310</td> <td>390</td> <td>465</td> <td>545</td> <td>620</td> <td>700</td> <td>775</td> </td></td>	Horizontal Throw <td rowspan="2">8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>235</td> <td>310</td> <td>390</td> <td>465</td> <td>545</td> <td>620</td> <td>700</td> <td>775</td> </td>	8" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>235</td> <td>310</td> <td>390</td> <td>465</td> <td>545</td> <td>620</td> <td>700</td> <td>775</td>	5 ft.	CFM	235	310	390	465	545	620	700	775
				Ps	.022	.040	.062	.089	.122	.159	.201	.248
Pt	.055	.096	.151	.215	.295	.383	.486	.598				
NC	15	21	26	30	34	38	41	43				
Throw	7-13-22	12-17-26	14-22-29	17-26-32	20-29-35	23-31-37	26-33-39	29-35-41				
Two Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>95</td> <td>125</td> <td>155</td> <td>185</td> <td>215</td> <td>250</td> <td>280</td> <td>310</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>95</td> <td>125</td> <td>155</td> <td>185</td> <td>215</td> <td>250</td> <td>280</td> <td>310</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>95</td> <td>125</td> <td>155</td> <td>185</td> <td>215</td> <td>250</td> <td>280</td> <td>310</td>	2 ft.	CFM	95	125	155	185	215	250	280	310
				Ps	.017	.030	.047	.068	.092	.120	.152	.188
Pt	.019	.033	.051	.074	.100	.132	.166	.205				
NC	-	17	22	26	30	34	37	39				
Throw	4-7-14	6-9-17	8-11-18	9-14-20	11-15-22	12-17-23	14-18-25	15-18-26				
Two Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>185</td> <td>250</td> <td>310</td> <td>370</td> <td>435</td> <td>495</td> <td>560</td> <td>620</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>185</td> <td>250</td> <td>310</td> <td>370</td> <td>435</td> <td>495</td> <td>560</td> <td>620</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>185</td> <td>250</td> <td>310</td> <td>370</td> <td>435</td> <td>495</td> <td>560</td> <td>620</td>	4 ft.	CFM	185	250	310	370	435	495	560	620
				Ps	.019	.033	.052	.075	.102	.134	.169	.209
Pt	.025	.045	.070	.100	.136	.178	.226	.278				
NC	-	19	24	28	32	36	39	41				
Throw	5-10-19	9-13-23	11-16-26	13-19-29	15-22-31	17-23-33	19-25-35	21-26-37				
Two Slot — 1.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>235</td> <td>310</td> <td>390</td> <td>465</td> <td>545</td> <td>620</td> <td>700</td> <td>775</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>235</td> <td>310</td> <td>390</td> <td>465</td> <td>545</td> <td>620</td> <td>700</td> <td>775</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>235</td> <td>310</td> <td>390</td> <td>465</td> <td>545</td> <td>620</td> <td>700</td> <td>775</td>	5 ft.	CFM	235	310	390	465	545	620	700	775
				Ps	.021	.037	.057	.083	.113	.147	.186	.230
Pt	.031	.054	.085	.122	.166	.216	.274	.338				
NC	-	20	25	30	34	37	40	43				
Throw	7-13-22	12-17-26	14-22-29	17-26-32	20-29-35	23-31-37	26-33-39	29-35-41				

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 2" Slot Width	Horizontal Throw	8" Oval Inlet	2 ft.	CFM	100	140	175	210	250	285	325	360				
				Ps	.015	.028	.044	.065	.090	.119	.151	.188				
				Pt	.021	.039	.062	.091	.126	.166	.213	.264				
				NC	-	17	22	27	31	35	38	41				
				Throw	6-9-15	8-12-17	11-14-20	12-15-22	14-17-23	14-18-25	15-19-27	16-20-28				
		12" Oval Inlet	4 ft.	CFM	200	275	350	425	500	570	645	720				
						Ps	.016	.031	.049	.072	.100	.132	.168	.209		
						Pt	.040	.075	.121	.178	.246	.321	.410	.511		
						NC	-	19	24	29	33	37	40	43		
					Throw	4-9-18	7-12-25	11-16-28	13-19-31	15-22-33	17-25-36	19-27-38	22-28-40			
				5 ft.	CFM	255	345	440	530	625	715	810	900			
						Ps	.018	.034	.054	.080	.110	.145	.185	.230		
						Pt	.056	.103	.167	.243	.337	.443	.567	.701		
						NC	-	20	26	30	34	38	41	44		
					Throw	5-12-20	10-17-28	14-21-31	17-26-34	20-30-37	23-34-40	26-36-42	29-38-45			
Two Slot — 2" Slot Width	Horizontal Throw		12" Oval Inlet	2 ft.	CFM	100	140	175	210	250	285	325	360			
					Ps	.013	.024	.039	.057	.079	.104	.133	.165			
		Pt			.015	.028	.044	.065	.090	.119	.152	.188				
		NC			-	17	22	27	31	35	38	41				
		Throw		3-6-13	5-9-17	7-11-20	9-14-22	11-16-23	12-18-25	14-19-27	15-20-28					
						4 ft.	CFM	200	275	350	425	500	570	645	720	
								Ps	.014	.027	.043	.063	.088	.116	.147	.183
								Pt	.022	.040	.065	.096	.132	.174	.222	.276
								NC	-	19	24	29	33	37	40	43
							Throw	4-9-18	7-12-25	11-16-28	13-19-31	15-22-33	17-25-36	19-27-38	22-28-40	
						5 ft.	CFM	255	345	440	530	625	715	810	900	
								Ps	.016	.030	.048	0.07	.090	.127	.162	.201
								Pt	.028	.051	.082	0.12	.167	.219	.280	.347
								NC	-	20	26	30	34	38	41	44
							Throw	5-12-20	10-17-28	14-21-31	17-26-34	20-30-37	23-34-40	26-36-42	29-38-45	

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 2.5" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	140	185	230	275	320	370	415	460
				Ps	.015	.027	.042	.061	.083	.108	.137	.169
Pt	.021	.037	.058	.083	.113	.140	.188	.232				
NC	-	17	22	26	30	33	37	39				
Throw	4-8-16	6-11-20	9-13-23	11-16-25	12-18-27	14-20-28	16-21-30	18-23-32				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <th>4 ft.</th> <td>CFM</td> <td>275</td> <td>370</td> <td>460</td> <td>550</td> <td>645</td> <td>735</td> <td>830</td> <td>920</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <th>4 ft.</th> <td>CFM</td> <td>275</td> <td>370</td> <td>460</td> <td>550</td> <td>645</td> <td>735</td> <td>830</td> <td>920</td> </td>	10" Oval Inlet <th>4 ft.</th> <td>CFM</td> <td>275</td> <td>370</td> <td>460</td> <td>550</td> <td>645</td> <td>735</td> <td>830</td> <td>920</td>	4 ft.	CFM	275	370	460	550	645	735	830	920
			Ps	.017	.030	.047	.068	.092	.120	.152	.188	
Pt	.039	.071	.110	.157	.216	.281	.357	.439				
NC	-	19	24	28	32	35	39	41				
Throw	5-11-22	9-15-28	12-19-32	15-22-35	17-26-38	20-28-40	22-30-43	25-32-45				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">10" Oval Inlet <th>5 ft.</th> <td>CFM</td> <td>345</td> <td>460</td> <td>575</td> <td>690</td> <td>805</td> <td>920</td> <td>1035</td> <td>1150</td> </td></td>	Horizontal Throw <td rowspan="2">10" Oval Inlet <th>5 ft.</th> <td>CFM</td> <td>345</td> <td>460</td> <td>575</td> <td>690</td> <td>805</td> <td>920</td> <td>1035</td> <td>1150</td> </td>	10" Oval Inlet <th>5 ft.</th> <td>CFM</td> <td>345</td> <td>460</td> <td>575</td> <td>690</td> <td>805</td> <td>920</td> <td>1035</td> <td>1150</td>	5 ft.	CFM	345	460	575	690	805	920	1035	1150
			Ps	.019	.033	.052	.074	.101	.132	.167	.207	
Pt	.054	.096	.150	.216	.294	.384	.486	.599				
NC	-	20	25	30	33	37	40	43				
Throw	7-15-25	12-20-32	17-25-36	20-30-39	23-35-42	27-38-45	30-41-48	33-43-50				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <th>2 ft.</th> <td>CFM</td> <td>140</td> <td>185</td> <td>230</td> <td>275</td> <td>320</td> <td>370</td> <td>415</td> <td>460</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <th>2 ft.</th> <td>CFM</td> <td>140</td> <td>185</td> <td>230</td> <td>275</td> <td>320</td> <td>370</td> <td>415</td> <td>460</td> </td>	12" Oval Inlet <th>2 ft.</th> <td>CFM</td> <td>140</td> <td>185</td> <td>230</td> <td>275</td> <td>320</td> <td>370</td> <td>415</td> <td>460</td>	2 ft.	CFM	140	185	230	275	320	370	415	460
			Ps	.014	.025	.039	.056	.076	.099	.125	.155	
Pt	.017	.031	.048	.069	.094	.124	.156	.193				
NC	-	16	21	25	29	32	35	38				
Throw	4-8-16	6-11-20	9-13-23	11-16-25	12-18-27	14-20-28	16-21-30	18-23-32				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <th>4 ft.</th> <td>CFM</td> <td>275</td> <td>370</td> <td>460</td> <td>550</td> <td>645</td> <td>735</td> <td>830</td> <td>920</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <th>4 ft.</th> <td>CFM</td> <td>275</td> <td>370</td> <td>460</td> <td>550</td> <td>645</td> <td>735</td> <td>830</td> <td>920</td> </td>	12" Oval Inlet <th>4 ft.</th> <td>CFM</td> <td>275</td> <td>370</td> <td>460</td> <td>550</td> <td>645</td> <td>735</td> <td>830</td> <td>920</td>	4 ft.	CFM	275	370	460	550	645	735	830	920
			Ps	.015	.028	.043	.062	.084	.110	.139	.172	
Pt	.029	.052	.081	.116	.159	.207	.263	.324				
NC	-	18	23	27	31	34	37	40				
Throw	5-11-22	9-15-28	12-19-32	15-22-35	17-26-38	20-28-40	22-30-43	25-32-45				
Two Slot — 2.5" Slot Width <td rowspan="2">Horizontal Throw <td rowspan="2">12" Oval Inlet <th>5 ft.</th> <td>CFM</td> <td>345</td> <td>460</td> <td>575</td> <td>690</td> <td>805</td> <td>920</td> <td>1035</td> <td>1150</td> </td></td>	Horizontal Throw <td rowspan="2">12" Oval Inlet <th>5 ft.</th> <td>CFM</td> <td>345</td> <td>460</td> <td>575</td> <td>690</td> <td>805</td> <td>920</td> <td>1035</td> <td>1150</td> </td>	12" Oval Inlet <th>5 ft.</th> <td>CFM</td> <td>345</td> <td>460</td> <td>575</td> <td>690</td> <td>805</td> <td>920</td> <td>1035</td> <td>1150</td>	5 ft.	CFM	345	460	575	690	805	920	1035	1150
			Ps	.017	.030	.047	.068	.093	.121	.153	.189	
Pt	.038	.068	.107	.154	.209	.273	.346	.427				
NC	-	19	24	28	32	36	39	42				
Throw	7-15-25	12-20-32	17-25-36	20-30-39	23-35-42	27-38-45	30-41-48	33-43-50				

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE HORIZONTAL THROW WITH GREENHECK PLENUM**

Two Slot — 3" Slot Width	Horizontal Throw	10" Oval Inlet	2 ft.	CFM	150	200	250	300	350	400	450	500				
				Ps	.015	.027	.042	.061	.083	.108	.137	.169				
				Pt	.022	.039	.061	.087	.119	.156	.197	.243				
				NC	-	17	22	26	30	34	37	40				
				Throw	3-7-16	6-10-21	9-13-23	10-16-26	12-18-28	14-21-30	16-22-32	17-23-33				
		12" Oval Inlet	4 ft.	CFM	300	400	500	600	700	800	900	1000				
						Ps	.017	.030	.047	.068	.092	.120	.152	.188		
						Pt	.044	.078	.121	.174	.237	.310	.392	.485		
						NC	-	19	24	28	32	36	39	42		
						Throw	5-10-22	8-15-29	12-18-33	15-22-36	17-26-39	20-29-42	22-32-45	25-33-53		
				5 ft.	CFM	375	500	625	750	875	1000	1125	1250			
						Ps	.019	.033	.052	.074	.101	.132	.167	.206		
						Pt	.060	.107	.168	.241	.328	.429	.543	.670		
						NC	-	20	25	30	34	37	40	43		
						Throw	6-14-25	11-20-33	16-25-37	20-30-41	23-35-44	26-40-47	30-42-50	33-45-53		
Two Slot — 3" Slot Width	Horizontal Throw		12" Oval Inlet	2 ft.	CFM	150	200	250	300	350	400	450	500			
					Ps	.014	.026	.040	.058	.079	.103	.130	.160			
					Pt	.018	.033	.051	.074	.101	.131	.166	.205			
		NC			-	16	21	25	29	32	35	38				
							Throw	3-7-16	6-10-21	9-13-23	10-16-26	12-18-28	14-21-30	16-22-32	17-23-33	
						4 ft.	CFM	300	400	500	600	700	800	900	1000	
								Ps	.016	.029	.045	.064	.087	.114	.144	.178
								Pt	.032	.057	.089	.129	.175	.229	.290	.358
								NC	-	18	23	27	31	34	37	40
							Throw	5-10-22	8-15-29	12-18-33	15-22-36	17-26-39	20-29-42	22-32-45	25-33-47	
						5 ft.	CFM	375	500	625	750	875	1000	1125	1250	
								Ps	.018	.031	.049	.071	.096	.125	.159	.196
								Pt	.043	.076	.119	.172	.234	.305	.386	.477
				NC	-		19	24	29	32	36	39	42			
				Throw	6-14-25	11-20-33	16-25-37	20-30-41	23-35-44	26-40-47	30-42-50	33-45-53				

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

XG-FTS

**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

Two Slot — 1" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	95	150	205	260	315	370	425	480				
				Ps	.013	.032	.059	.095	.139	.192	.253	.323				
				Pt	.018	.045	.083	.134	.197	.271	.358	.457				
				NC	-	20	25	30	33	36	39	42				
				Throw	3-4-8	4-6-13	6-9-17	7-11-22	9-13-27	10-16-30	12-18-32	14-20-34				
		10" Oval Inlet	4 ft.	CFM	190	300	410	520	630	740	850	960				
						Ps	.018	.045	.084	.135	.198	.274	.361	.461		
						Pt	.039	.097	.182	.293	.430	.593	.782	.997		
						NC	-	22	27	32	35	38	41	44		
						Throw	4-6-11	6-9-18	8-12-25	10-16-31	13-19-38	15-22-42	17-26-45	19-29-48		
				5 ft.	CFM	240	375	515	650	790	925	1065	1200			
						Ps	.023	.059	.109	.176	.258	.356	.470	.599		
						Pt	.057	.140	.264	.422	.621	.840	1.130	1.437		
						NC	15	23	29	33	37	40	43	45		
						Throw	5-8-13	8-12-20	11-17-28	14-21-35	17-25-42	20-30-47	23-34-51	26-39-54		
Two Slot — 1" Slot Width	Vertical Throw		10" Oval Inlet	2 ft.	CFM	95	150	205	260	315	370	425	480			
					Ps	.007	.018	.034	.055	.081	.111	.147	.187			
					Pt	.010	.025	.047	.075	.110	.152	.200	.256			
		NC			-	16	22	26	29	31	33	35				
		Throw			3-4-8	4-6-13	6-9-17	7-11-22	9-13-27	10-16-30	12-18-32	14-20-34				
						4 ft.	CFM	190	300	410	520	630	740	850	960	
								Ps	.010	.026	.049	.078	.115	.159	.210	.267
								Pt	.021	.053	.099	.159	.233	.321	.424	.541
								NC	-	18	24	28	31	33	35	37
								Throw	4-6-11	6-9-18	8-12-25	10-16-31	13-19-38	15-22-42	17-26-45	19-29-48
						5 ft.	CFM	240	375	515	650	790	925	1065	1200	
								Ps	.014	.034	.063	.102	.150	.206	.272	.347
								Pt	.031	.076	.142	.227	.335	.461	.609	.775
				NC	-		20	25	29	32	35	37	39			
				Throw	5-8-13		8-12-20	11-17-28	14-21-35	17-25-42	20-30-47	23-34-51	26-39-54			

**FORMATIONS PERFORMANCE DATA**

**2 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

Two Slot — 1" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	95	150	205	260	315	370	425	480				
				Ps	.009	.022	.041	.066	.097	.134	.177	.226				
				Pt	.010	.026	.049	.078	.115	.159	.209	.267				
				NC	-	-	18	22	26	29	32	34				
				Throw	3-4-8	4-6-13	6-9-17	7-11-22	9-13-27	10-16-30	12-18-32	14-20-34				
			4 ft.	CFM	190	300	410	520	630	740	850	960				
					Ps	.013	.032	.059	.095	.139	.192	.253	.323			
					Pt	.019	.048	.089	.143	.210	.290	.383	.488			
					NC	-	-	20	24	28	31	34	36			
					Throw	4-6-11	6-9-18	8-12-25	10-16-31	13-19-38	15-22-42	17-26-45	19-29-48			
			5 ft.	CFM	240	375	515	650	790	925	1065	1200				
					Ps	.016	.041	.076	.123	.181	.249	.329	.419			
					Pt	.027	.066	.124	.199	.293	.403	.533	.678			
					NC	-	16	21	26	29	33	35	37			
					Throw	5-8-13	8-12-20	11-17-28	14-21-35	17-25-42	20-30-47	23-34-51	26-39-54			
Two Slot — 1.5" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	195	310	420	530	645	755	870	980				
				Ps	.027	.066	.123	.198	.290	.400	.527	.672				
				Pt	.049	.122	.226	.362	.533	.732	.968	1.231				
				NC	-	20	26	30	34	37	40	42				
				Throw	5-7-14	7-11-21	10-15-29	12-18-36	15-22-39	18-26-43	20-30-46	23-34-49				
						4 ft.	CFM	390	615	840	1065	1290	1510	1735	1960	
								Ps	.038	.095	.176	.283	.415	.572	.753	.960
								Pt	.127	.315	.587	.943	1.384	1.899	2.506	3.197
								NC	-	22	28	32	36	39	42	44
								Throw	6-10-19	10-15-30	14-21-41	17-26-51	21-32-56	25-37-60	28-43-65	32-48-69
						5 ft.	CFM	490	770	1050	1330	1610	1890	2170	2450	
								Ps	.050	.123	.229	.368	.539	.743	.979	1.249
								Pt	.190	.469	.871	1.398	2.048	2.823	3.721	4.743
								NC	16	24	29	34	37	40	43	46
								Throw	9-13-22	14-20-34	18-28-46	23-35-57	28-42-62	33-50-68	38-57-72	43-65-77



**FORMATIONS PERFORMANCE DATA**  
**2 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

Two Slot — 1.5" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	CFM	195	310	420	530	645	755	870	980
				Ps	.018	.044	.081	.131	.192	.264	.348	.444
Pt	.029	.072	.134	.214	.315	.433	.573	.729				
NC	-	20	25	29	32	34	37	39				
Throw	5-7-14	7-11-21	10-15-29	12-18-36	15-22-39	18-26-43	20-30-46	23-34-49				
Two Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>615</td> <td>840</td> <td>1065</td> <td>1290</td> <td>1510</td> <td>1735</td> <td>1960</td> </td></td>	Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>615</td> <td>840</td> <td>1065</td> <td>1290</td> <td>1510</td> <td>1735</td> <td>1960</td> </td>	10" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>615</td> <td>840</td> <td>1065</td> <td>1290</td> <td>1510</td> <td>1735</td> <td>1960</td>	4 ft.	CFM	390	615	840	1065	1290	1510	1735	1960
				Ps	.025	.063	.116	.187	.274	.377	.497	.634
Pt	.071	.175	.326	.524	.768	1.054	1.391	1.775				
NC	-	22	27	31	34	36	39	41				
Throw	6-10-19	10-15-30	14-21-41	17-26-51	21-32-56	25-37-60	28-43-65	32-48-69				
Two Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>770</td> <td>1050</td> <td>1330</td> <td>1610</td> <td>1890</td> <td>2170</td> <td>2450</td> </td></td>	Vertical Throw <td rowspan="2">10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>770</td> <td>1050</td> <td>1330</td> <td>1610</td> <td>1890</td> <td>2170</td> <td>2450</td> </td>	10" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>770</td> <td>1050</td> <td>1330</td> <td>1610</td> <td>1890</td> <td>2170</td> <td>2450</td>	5 ft.	CFM	490	770	1050	1330	1610	1890	2170	2450
				Ps	.033	.081	.151	.243	.356	.490	.646	.824
Pt	.104	.258	.479	.768	1.126	1.551	2.045	2.607				
NC	16	23	29	32	35	38	40	43				
Throw	9-13-22	14-20-34	18-28-46	23-35-57	28-42-62	33-50-68	38-57-72	43-65-77				
Two Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>195</td> <td>310</td> <td>420</td> <td>530</td> <td>645</td> <td>755</td> <td>870</td> <td>980</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>195</td> <td>310</td> <td>420</td> <td>530</td> <td>645</td> <td>755</td> <td>870</td> <td>980</td> </td>	12" Oval Inlet <td rowspan="2">2 ft.</td> <td>CFM</td> <td>195</td> <td>310</td> <td>420</td> <td>530</td> <td>645</td> <td>755</td> <td>870</td> <td>980</td>	2 ft.	CFM	195	310	420	530	645	755	870	980
				Ps	.017	.042	.077	.124	.181	.250	.330	.420
Pt	.024	.059	.109	.174	.256	.352	.466	.593				
NC	-	-	18	23	26	29	32	34				
Throw	5-7-14	7-11-21	10-15-29	12-18-36	15-22-39	18-26-43	20-30-46	23-34-49				
Two Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>615</td> <td>840</td> <td>1065</td> <td>1290</td> <td>1510</td> <td>1735</td> <td>1960</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>615</td> <td>840</td> <td>1065</td> <td>1290</td> <td>1510</td> <td>1735</td> <td>1960</td> </td>	12" Oval Inlet <td rowspan="2">4 ft.</td> <td>CFM</td> <td>390</td> <td>615</td> <td>840</td> <td>1065</td> <td>1290</td> <td>1510</td> <td>1735</td> <td>1960</td>	4 ft.	CFM	390	615	840	1065	1290	1510	1735	1960
				Ps	.024	.059	.110	.177	.259	.357	.471	.600
Pt	.051	.127	.237	.381	.558	.767	1.012	1.291				
NC	-	-	20	25	28	31	34	36				
Throw	6-10-19	10-15-30	14-21-41	17-26-51	21-32-56	25-37-60	28-43-65	32-48-69				
Two Slot — 1.5" Slot Width <td rowspan="2">Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>770</td> <td>1050</td> <td>1330</td> <td>1610</td> <td>1890</td> <td>2170</td> <td>2450</td> </td></td>	Vertical Throw <td rowspan="2">12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>770</td> <td>1050</td> <td>1330</td> <td>1610</td> <td>1890</td> <td>2170</td> <td>2450</td> </td>	12" Oval Inlet <td rowspan="2">5 ft.</td> <td>CFM</td> <td>490</td> <td>770</td> <td>1050</td> <td>1330</td> <td>1610</td> <td>1890</td> <td>2170</td> <td>2450</td>	5 ft.	CFM	490	770	1050	1330	1610	1890	2170	2450
				Ps	.031	.077	.143	.230	.337	.464	.612	.780
Pt	.074	.184	.341	.548	.803	1.106	1.458	1.859				
NC	-	16	22	26	30	33	36	38				
Throw	9-13-22	14-20-34	18-28-46	23-35-57	28-42-62	33-50-68	38-57-72	43-65-77				

**FORMATIONS PERFORMANCE DATA**

**2 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

Two Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	2 ft.	CFM	170	260	350	440	530	620	710	800
				Ps	.044	.104	.188	.296	.430	.589	.772	.980
Pt	.061	.143	.259	.409	.594	.812	1.065	1.353				
NC	-	-	19	23	27	30	32	34				
Throw	3-5-10	5-8-16	7-11-21	9-13-27	11-16-29	13-19-32	14-22-34	16-24-36				
Two Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	4 ft.	CFM	340	520	700	880	1060	1240	1420	1600
				Ps	.063	.148	.268	.424	.614	.841	1.103	1.400
Two Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	5 ft.	Pt	.131	.305	.553	.874	1.269	1.736	2.277	2.890
				NC	-	16	21	25	29	32	34	36
Two Slot — 2" Slot Width	Vertical Throw	8" Oval Inlet	Throw	5-7-15	7-11-22	10-15-30	13-19-38	15-23-41	18-27-45	20-31-48	23-34-51	
				CFM	425	650	875	1100	1325	1550	1775	2000
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	2 ft.	Ps	.082	.192	.348	.551	.799	1.093	1.434	1.820
				Pt	.187	.438	.794	1.255	1.821	2.492	3.268	4.149
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	NC	-	18	23	27	30	33	36	38
				Throw	7-10-16	10-15-25	13-20-34	17-25-42	20-31-46	24-36-50	27-41-54	31-46-57
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	CFM	170	260	350	440	530	620	710	800
				Ps	.008	.019	.035	.056	.081	.110	.145	.184
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	Pt	.017	.039	.072	.113	.164	.225	.294	.374
				NC	-	21	26	29	32	35	37	40
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	Throw	3-5-10	5-8-16	7-11-21	9-13-27	11-16-29	13-19-32	14-22-34	16-24-36	
				CFM	340	520	700	880	1060	1240	1420	1600
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	4 ft.	Ps	.012	.028	.050	.079	.115	.158	.207	.262
				Pt	.046	.108	.196	.309	.449	.614	.806	1.023
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	NC	15	23	28	31	34	37	39	42
				Throw	5-7-15	7-11-22	10-15-30	13-19-38	15-23-41	18-27-45	20-31-48	23-34-51
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	CFM	425	650	875	1100	1325	1550	1775	2000	
				Ps	.015	.036	.065	.103	.150	.205	.269	.341
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	5 ft.	Pt	.069	.162	.293	.463	.671	.919	1.205	1.529
				NC	17	24	29	33	36	38	41	43
Two Slot — 2" Slot Width	Vertical Throw	10" Oval Inlet	Throw	7-10-16	10-15-25	13-20-34	17-25-42	20-31-46	24-36-50	27-41-54	31-46-57	

## FORMATIONS PERFORMANCE DATA

### 2 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM

Two Slot — 2" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	170	260	350	440	530	620	710	800		
				Ps	.008	.020	.036	.057	.083	.113	.148	.188		
				Pt	.014	.032	.058	.092	.133	.182	.239	.303		
				NC	-	17	22	27	30	33	36	38		
				Throw	3-5-10	5-8-16	7-11-21	9-13-27	11-16-29	13-19-32	14-22-34	16-24-36		
			4 ft.	CFM	340	520	700	880	1060	1240	1420	1600		
				Ps	.012	.028	.051	.081	.118	.161	.212	.269		
				Pt	.033	.077	.139	.220	.320	.438	.574	.729		
				NC	-	19	24	29	32	35	38	40		
				Throw	5-7-15	7-11-22	10-15-30	13-19-38	15-23-41	18-27-45	20-31-48	23-34-51		
			5 ft.	CFM	425	650	875	1100	1325	1550	1775	2000		
				Ps	.016	.037	.067	.106	.153	.210	.275	.349		
				Pt	.048	.113	.204	.323	.469	.642	.841	1.068		
				NC	-	20	26	30	34	37	39	41		
				Throw	7-10-16	10-15-25	13-20-34	17-25-42	20-31-46	24-36-50	27-41-54	31-46-57		
Two Slot — 2.5" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	215	330	440	550	665	775	890	1000		
				Ps	.009	.021	.038	.060	.086	.118	.155	.196		
				Pt	.017	.041	.073	.114	.166	.226	.297	.376		
				NC	-	17	23	27	30	33	36	38		
				Throw	4-6-12	6-9-18	8-12-24	10-15-30	12-18-33	14-21-35	16-24-38	18-27-40		
				4 ft.	CFM	430	655	880	1105	1330	1550	1775	2000	
						Ps	.013	.030	.054	.085	.123	.169	.221	.280
						Pt	.046	.107	.193	.305	.441	.600	.787	.999
						NC	-	19	25	29	32	35	38	40
						Throw	6-8-17	8-13-25	11-17-34	14-21-42	17-26-46	20-30-50	23-34-54	26-38-57
				5 ft.	CFM	540	820	1100	1380	1660	1940	2220	2500	
						Ps	.017	.039	.070	.111	.160	.219	.287	.364
						Pt	.069	.160	.288	.453	.656	.895	1.173	1.487
						NC	-	21	26	30	34	37	39	41
						Throw	7-11-19	11-17-28	15-23-38	19-28-47	23-34-52	27-40-56	31-46-60	34-52-64

**FORMATIONS PERFORMANCE DATA**

**2 SLOT COMBO BLADE VERTICAL THROW WITH GREENHECK PLENUM**

Two Slot — 3" Slot Width	Vertical Throw	12" Oval Inlet	2 ft.	CFM	430	595	760	925	1090	1250	1415	1580
				Ps	.022	.042	.068	.101	.139	.185	.236	.294
				Pt	.055	.105	.172	.254	.353	.465	.596	.743
				NC	-	19	24	28	31	34	36	38
				Throw	7-11-21	10-15-30	13-19-35	15-23-39	18-27-42	21-31-45	23-34-48	26-36-51
			4 ft.	CFM	865	1190	1520	1850	2175	2505	2830	3160
				Ps	.031	.060	.097	.144	.199	.264	.337	.420
				Pt	.166	.314	.512	.759	1.049	1.391	1.776	2.214
				NC	16	21	26	30	33	36	38	40
				Throw	10-15-30	14-21-42	18-27-50	22-32-55	25-38-59	29-44-64	33-48-68	37-51-72
			5 ft.	CFM	1080	1490	1900	2310	2720	3130	3540	3950
				Ps	.041	.078	.126	.187	.259	.343	.439	.546
				Pt	.250	.477	.775	1.145	1.588	2.103	2.690	3.350
				NC	17	23	28	31	34	37	39	41
				Throw	14-20-34	19-28-47	24-36-55	29-43-61	34-51-66	39-59-71	44-64-76	50-68-80

**FORMATIONS PERFORMANCE DATA**  
**PRESSURIZED CEILING PLENUM WITH COMBO BLADE PATTERN CONTROLLER**  
**HORIZONTAL FLOW**

1" Slot Width	1 Slot	CFM/LF	25	40	65	80	95	110	125	140
		Ps	.023	.058	.152	.230	.325	.436	.563	.706
		NC	-	21	35	40	45	49	52	55
		Throw	6-11-15	9-13-19	12-17-24	13-19-27	14-20-29	15-22-31	16-23-33	17-25-35
	2 Slot	CFM/LF	40	60	100	120	145	165	190	210
		Ps	.015	.033	.092	.133	.194	.251	.333	.406
		NC	-	18	30	35	41	44	48	51
		Throw	5-13-19	10-16-23	15-21-30	16-23-33	18-25-36	19-27-38	20-29-41	21-30-43
1.5" Slot Width	1 Slot	CFM/LF	30	50	80	95	115	130	150	170
		Ps	.023	.063	.160	.226	.331	.423	.563	.723
		NC	-	19	31	36	41	45	48	52
		Throw	5-12-16	9-15-21	13-19-27	14-20-29	16-23-32	17-24-34	18-26-36	19-27-39
	2 Slot	CFM/LF	45	75	120	145	175	195	225	255
		Ps	.013	.037	.094	.137	.200	.248	.330	.424
		NC	-	16	26	31	36	39	44	47
		Throw	6-14-20	12-18-26	16-23-33	18-25-36	19-28-39	20-29-41	22-32-45	23-34-47
2" Slot Width	1 Slot	CFM/LF	35	55	90	110	110	155	175	195
		Ps	.025	.061	.162	.242	.242	.481	.613	.761
		NC	-	15	27	33	33	42	46	48
		Throw	4-12-18	9-16-22	14-20-28	15-22-31	15-22-31	18-26-37	19-28-39	20-29-41
	2 Slot	CFM/LF	55	85	135	165	165	235	265	295
		Ps	.015	.037	.093	.139	.139	.283	.360	.446
		NC	-	-	23	28	28	37	41	44
		Throw	4-13-22	9-19-27	16-24-35	19-27-38	19-27-38	22-32-46	24-34-48	25-36-51
2.5" Slot Width	1 Slot	CFM/LF	40	60	100	120	145	165	190	210
		Ps	.025	.056	.156	.225	.329	.426	.564	.689
		NC	-	-	24	29	34	38	42	44
		Throw	4-12-19	8-16-23	14-21--30	16-23-33	18-25-36	19-27-38	20-29-41	21-30-43
	2 Slot	CFM/LF	60	90	150	180	220	250	285	315
		Ps	.014	.033	.091	.130	.195	.252	.327	.400
		NC	-	-	20	24	29	33	37	39
		Throw	3-13-23	7-19-28	15-26-36	19-28-40	22-31-44	22-37-47	25-35-50	26-37-53
3" Slot Width	1 Slot	CFM/LF	45	70	115	145	170	200	225	250
		Ps	.023	.055	.149	.237	.325	.450	.570	.703
		NC	-	-	23	29	33	38	41	44
		Throw	4-12-20	9-18-25	15-23-32	18-25-36	19-27-39	21-30-42	22-32-45	23-33-47
	2 Slot	CFM/LF	70	105	175	220	255	300	340	375
		Ps	.014	.032	.090	.142	.191	.264	.339	.413
		NC	-	-	19	25	28	33	36	39
		Throw	3-14-25	7-20-30	16-28-39	21-31-44	23-34-47	25-36-51	27-39-55	28-41-58

**FORMATIONS PERFORMANCE DATA**  
**PRESSURIZED CEILING PLENUM WITH COMBO BLADE PATTERN CONTROLLER**  
**VERTICAL FLOW**

1" Slot Width	1 Slot	CFM/LF	50	75	100	120	140	160	180	200
		Ps	.033	.074	.131	.189	.257	.335	.424	.524
		NC	-	20	25	29	32	34	36	38
		Throw	3-11-18	4-15-22	5-18-25	6-19-27	7-21-29	9-22-31	10-24-33	11-25-35
	2 Slot	CFM/LF	75	115	150	180	210	240	270	300
		Ps	.022	.052	.089	.128	.174	.227	.287	.355
		NC	-	18	23	26	29	32	34	36
		Throw	3-12-22	4-18-27	6-22-30	7-24-33	8-26-36	9-27-39	10-29-41	11-30-43
1.5" Slot Width	1 Slot	CFM/LF	65	95	125	150	175	200	225	250
		Ps	.027	.068	.100	.145	.197	.257	.326	.402
		NC	-	18	24	27	30	33	35	37
		Throw	3-12-20	4-17-24	5-20-28	7-22-30	8-23-33	9-25-35	10-26-37	11-28-39
	2 Slot	CFM/LF	110	160	215	255	300	340	385	425
		Ps	.023	.049	.089	.125	.174	.223	.286	.349
		NC	-	18	24	27	30	32	35	37
		Throw	3-14-26	5-21-31	7-26-36	8-28-40	9-30-43	11-32-46	12-35-49	13-36-51
2" Slot Width	1 Slot	CFM/LF	100	150	200	240	280	320	360	400
		Ps	.039	.089	.158	.227	.309	.403	.511	.630
		NC	-	22	27	31	33	36	38	40
		Throw	4-16-25	6-22-30	8-25-35	9-27-39	11-29-42	12-31-45	14-33-47	15-35-50
	2 Slot	CFM/LF	150	225	300	360	420	480	540	600
		Ps	.027	.060	.106	.153	.208	.272	.344	.425
		NC	-	19	25	28	31	34	36	38
		Throw	4-17-30	6-25-37	8-30-43	10-33-47	11-36-51	13-39-55	14-41-58	16-43-61
2.5" Slot Width	1 Slot	CFM/LF	125	190	250	300	350	400	450	500
		Ps	.041	.095	.164	.237	.322	.421	.533	.658
		NC	-	22	27	31	33	36	38	40
		Throw	4-18-28	6-24-34	8-28-39	10-30-43	12-33-47	13-35-50	15-37-53	17-39-56
	2 Slot	CFM/LF	190	285	375	450	525	600	675	750
		Ps	.028	.064	.111	.160	.217	.284	.359	.443
		NC	-	19	25	28	31	34	36	38
		Throw	5-19-34	7-29-42	9-34-48	11-37-53	13-40-57	14-43-61	16-46-65	18-48-68
3" Slot Width	1 Slot	CFM/LF	150	225	300	360	420	480	540	600
		Ps	.047	.106	.189	.272	.370	.484	.612	.756
		NC	-	22	27	31	33	36	38	40
		Throw	5-19-30	7-26-37	9-30-43	11-33-47	13-36-51	15-39-55	17-41-58	18-43-61
	2 Slot	CFM/LF	225	340	450	540	630	720	810	900
		Ps	.032	.073	.128	.184	.250	.327	.413	.510
		NC	-	19	25	28	31	34	36	38
		Throw	5-21-37	7-31-46	10-37-53	12-41-58	14-44-62	16-47-67	18-50-71	20-53-75

## PERFORMANCE NOTES FOR FORMATIONS SERIES

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

CFM/LF Cubic Feet per Minute per Linear Foot (air)

Velocity Velocity of air stream in Feet per Minute

Ps Negative static pressure (inches of water column)

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re:  $10^{-12}$  watts minus a 10dB room attenuation in all octave bands

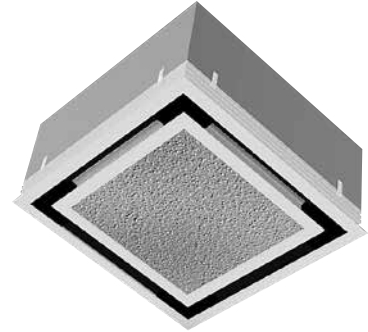
1. All pressures are given in inches of water.
2. Isothermal throws are given for velocities of 150, 100 and 50 FPM.
3. Throw values are based on a 1-way discharge from the slot with the controller set at 0 discharge. For 2-way discharges, throw is based upon the number and size of the slots throwing in each direction, with the total supply air flow split equally between all slots in the unit.
4. Data was collected in accordance to ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
5. Correction factor tables are only to be used with continuous pressurized ceiling plenum performance data.

Table 1. NC Correction For Length					
Length (feet)	2	4	6	8	10
Supply	-2	+0	+2	+3	+5
Return	+0	+3	+5	+6	+8

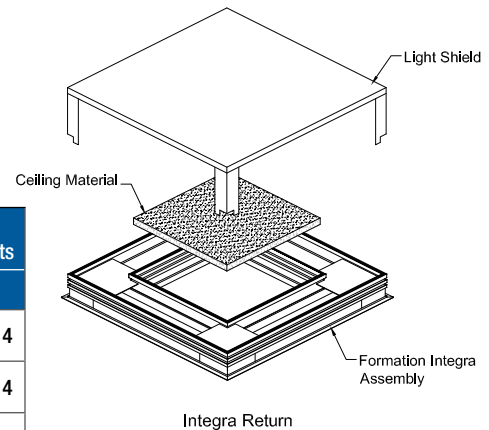
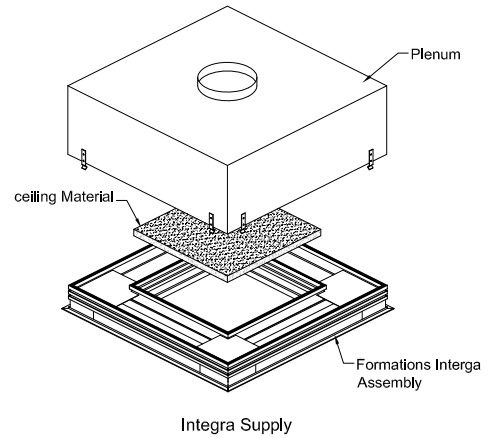
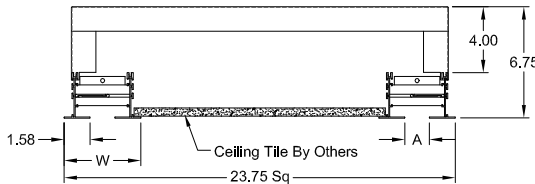
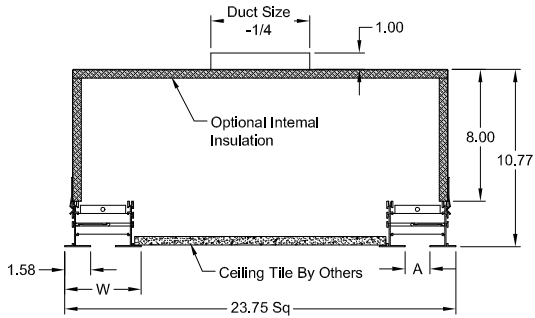
Table 2. Throw Correction Multiplier For Length					
Length (feet)	2	4	8	10	12
Throw Correction	0.72	0	1.5	1.7	1.8

# MODEL XG-FAI (INTEGRA)

The appeal of Formations Integra is its design. Laying in an acoustical tee bar or hard ceiling, the specified ceiling material becomes the face of the Integra diffuser that fully integrates the ceiling and the diffuser. Integra is available in 1", 1.5" and 2" slot widths. Constructed of extruded aluminum, Integra diffusers are available for either supply or return and can be field adjusted for one-, two-, three- or four-way directional air flow. Air patterns can be adjusted for horizontal or vertical throws.

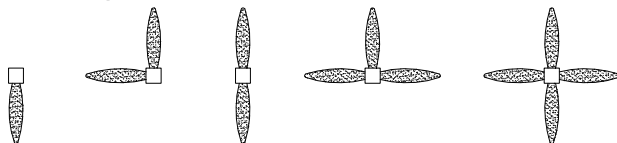


- Available size – 24 x 24
- Available inlets – 6", 8", 10", 12", 14" or no inlet
- Finish – white face with black interior
- Optional steel center panel



Models	Formations Unit A Slot Width	Number of Slots	W (width)	Standard available inlets
				Round
XG-FAI, XG-FAII, XG-FAIR, XG-FAIB, XG-FAIBI, XG-FAIBR-10	1"	1	4 1/8	6, 8, 10, 12, 14
XG-FAI, XG-FAII, XG-FAIR, XG-FAIB, XG-FAIBI, XG-FAIBR-15	1 1/2"	1	4 5/8	6, 8, 10, 12, 14
XG-FAI, XG-FAII, XG-FAIR, XG-FAIB, XG-FAIBI, XG-FAIBR-20	2"	1	5 1/8	6, 8, 10, 12, 14

Optional Supply Air Patterns





## FORMATIONS MODEL NUMBER SPECIFICATIONS

### ARCHITECTURAL LINEAR

Model	Slot Width	Border Style	Inlet	# of Slots	Length	Finish	Mtg Hdw	Pattern Controller	Available Options	
XG-AI	10-1"	AA	NI - No Inlet	1	24 x 24	20 - White/Black	F1	C - Combo	XG-FODR	Face Operated Damper
XG-FAII	15-1.5"		06				F6	S - Straight	XG-ID	Inlet Damper
XG-FAIR	20-2"		08						XG-ROD	Remote Operated Damper
			10						XG-CC	Closed Cell Insulation
			12						XG-EI	External Insulation
			14							

**GREENHECK INTEGRA 24 X 24**

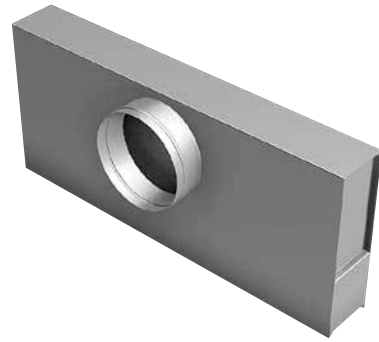
1.5" Slot Width	Four Way Throw	6" Inlet	CFM	80	120	155	190	225	260	300
			Ps	.024	.049	.084	.128	.181	.244	.315
Pt	.035	.072	.123	.187	.264	.355	.459			
NC	-	17	23	28	32	36	39			
Throw	3-5-10	5-7-13	6-9-14	7-11-16	9-2-17	10-13-19	12-14-20			
1.5" Slot Width	Four Way Throw	8" Inlet	CFM	85	120	160	195	230	265	300
			Ps	.013	.026	.043	.065	.091	.122	.157
Pt	.016	.033	.056	.084	.118	.158	.203			
NC	-	18	24	29	33	36	40			
Throw	3-5-10	5-7-13	6-9-15	8-11-16	9-12-18	10-13-19	12-14-20			
1.5" Slot Width	Four Way Throw	10" Inlet	CFM	90	130	165	205	240	275	315
			Ps	0.009	0.018	0.03	0.045	0.063	0.084	0.108
Pt	0.011	0.022	0.036	0.054	0.075	0.1	0.129			
NC	-	19	25	30	34	37	40			
Throw	4-5-11	5-8-13	7-10-15	8-12-17	9-13-18	11-14-19	12-15-21			
1.5" Slot Width	Four Way Throw	12" Inlet	CFM	100	140	175	210	245	280	320
			Ps	.008	.014	.023	.034	.046	.061	.077
Pt	.009	.016	.026	.038	.052	.069	.087			
NC	-	20	26	31	35	38	41			
Throw	4-6-12	5-8-14	7-10-15	8-12-17	10-13-18	11-14-19	12-15-21			
1.5" Slot Width	Three Way Throw	6" Inlet	CFM	70	100	125	155	180	210	235
			Ps	.021	.041	.066	.099	.137	.182	.233
Pt	.029	.056	.092	.137	.190	.252	.323			
NC	-	17	23	28	32	35	39			
Throw	2-4-7	3-5-10	4-6-13	5-8-14	6-9-16	7-10-17	8-12-18			
1.5" Slot Width	Three Way Throw	8" Inlet	CFM	75	105	130	160	190	215	245
			Ps	.012	.022	.035	.052	.072	.095	.121
Pt	.015	.027	.044	.065	.090	.118	.151			
NC	-	18	24	29	33	36	39			
Throw	3-4-8	3-5-10	4-7-13	5-8-15	6-9-16	7-11-17	8-12-18			
1.5" Slot Width	Three Way Throw	10" Inlet	CFM	75	105	135	165	195	225	255
			Ps	0.007	0.014	0.023	0.035	0.049	0.065	0.084
Pt	0.008	0.016	0.027	0.041	0.057	0.076	0.097			
NC	-	18	24	29	34	37	40			
Throw	2-4-7	3-5-10	4-7-13	5-8-15	6-10-16	7-11-17	8-13-18			
1.5" Slot Width	Three Way Throw	12" Inlet	CFM	70	105	135	165	195	225	260
			Ps	.005	.009	.016	.024	.034	.046	.060
Pt	.005	.011	.018	.027	.038	.051	.066			
NC	-	18	24	29	34	38	41			
Throw	2-4-7	3-5-10	4-7-13	5-8-15	7-10-16	8-11-17	9-13-19			

LINEAR DIFFUSERS  
AND GRILLES

FORMATIONS  
LINEAR DIFFUSERS

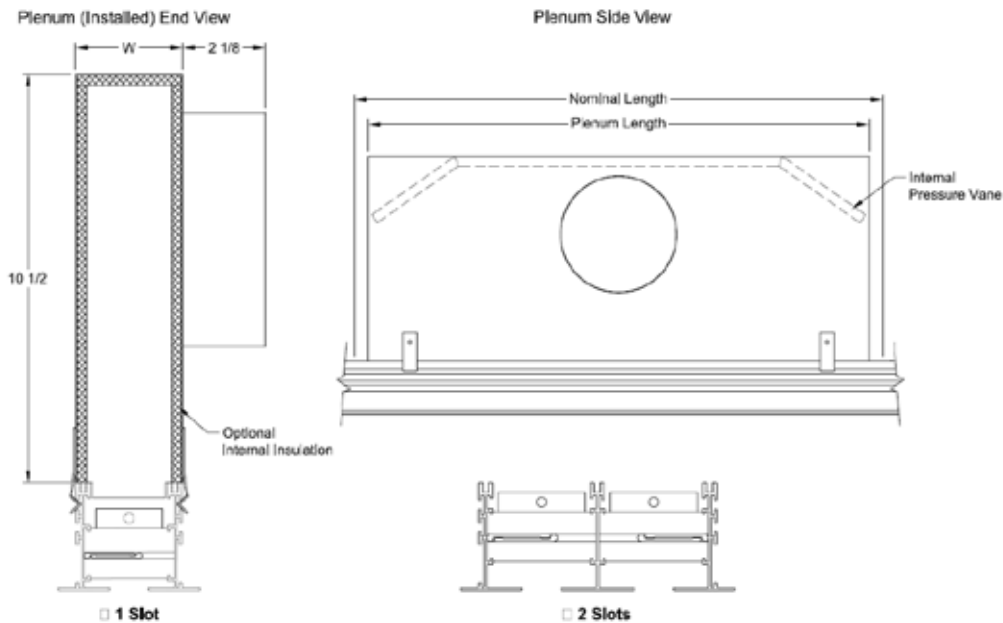
XG-FAI

# MODEL XG-UP-FAL



The Formations plenum, model XG-UP-FAL, is designed to connect model XG-FAL to the ducted supply or return system. The XG-UP-FAL is constructed from coated steel and is offered with standard 6" round inlet and oval inlets up to 14". The overall height of the plenum is 10 1/2".

- Available with 1/2" insulation, model XG-UPI-FAL
- Optional external insulation, EI, and internal closed cell insulation, CC, are also available
- Standard inlet sizes 6", 8", 10", 12", 14" or NI (no inlet)
- Available in 24", 36", 48", 60" and 72" lengths



Inlet Chart			
Size	Type	A	B
6	Round	5 7/8	
8	Oval	5 7/8	8 15/16
10	Oval	5 7/8	12 1/16
12	Oval	5 7/8	15 1/4
14	Oval	5 7/8	18 7/16

Insulation Options?	
STD	Standard Insulation 1/2" Fiberglass
CC	Closed Cell Foam
EI	Externally Insulated 1/2" Foilback Fiberglass

Models	Formation Unit Slot Width	Number of Slots	W (width)	Nominal Length
XG-FAP, XG-FAPI-10	1	1	2 3/4	24, 36, 48, 60
XG-FAP, XG-FAPI-15	1 1/2	1	3 3/4	24, 36, 48, 60
XG-FAP, XG-FAPI-20	2	1	4 3/4	24, 36, 48, 60
XG-FAP, XG-FAPI-25	2 1/5	1	5 3/4	24, 36, 48, 60
XG-FAP, XG-FAPI-30	3	1	6 3/4	24, 36, 48, 60

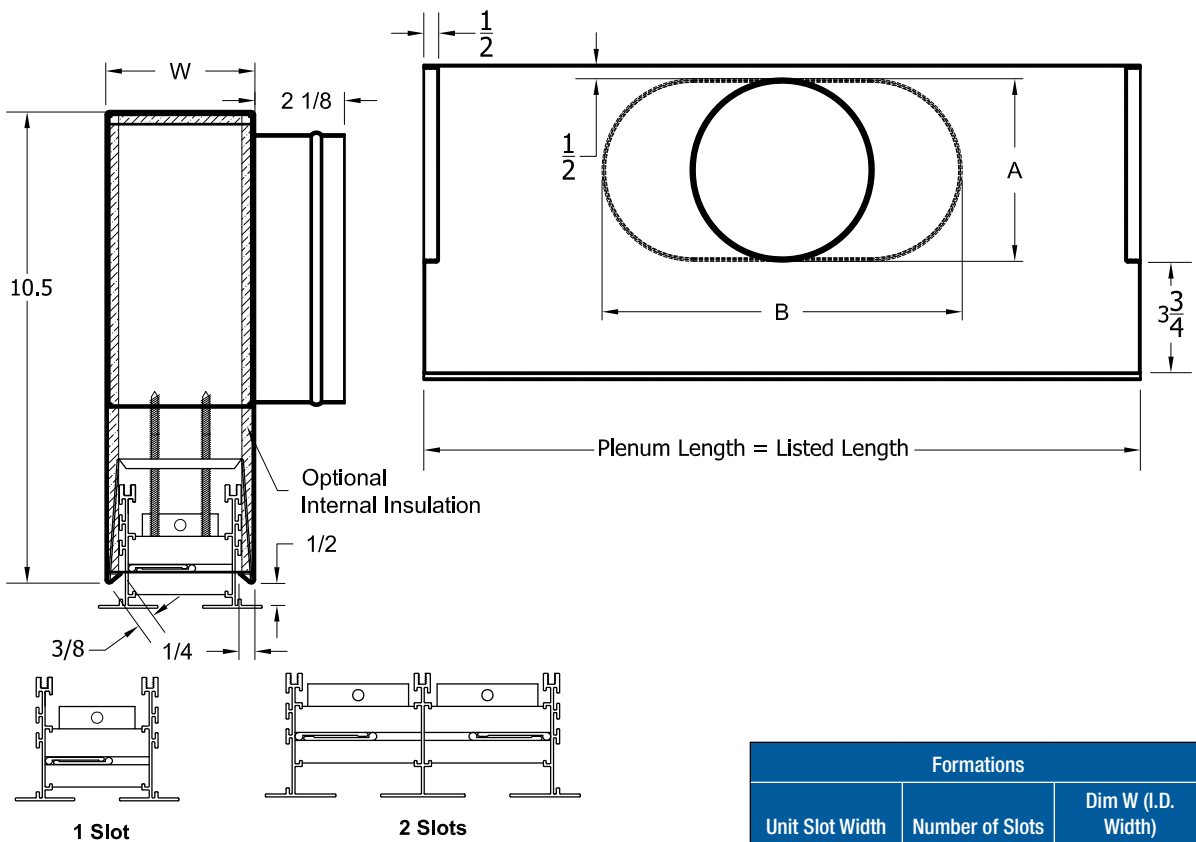
Models	Formation Unit Slot Width	Number of Slots	W (width)	Nominal Length
XG-FAP, XG-FAPI-10	1	1	5 1/8	24, 36, 48, 60
XG-FAP, XG-FAPI-15	1 1/2	1	7 1/8	24, 36, 48, 60
XG-FAP, XG-FAPI-20	2	1	9 1/8	24, 36, 48, 60
XG-FAP, XG-FAPI-25	2 1/5	1	11 1/8	24, 36, 48, 60
XG-FAP, XG-FAPI-30	3	1	13 1/8	24, 36, 48, 60

# MODEL XG-UP-FALC



The Formations hemmed plenum, model XG-UP-FALC, is designed to connect model XG-FALC to the ducted supply or return system. The XG-UP-FALC is constructed from coated steel and is offered with standard 6" round inlet and oval inlets up to 14". The overall height of the plenum is 10 1/2".

- Available with 1/2" insulation, model XG-UPI-FALC
- Optional external insulation, EI, and internal closed cell insulation, CC, are also available
- Standard inlet sizes 6", 8", 10", 12", 14" or NI (no inlet)
- Available in 24", 36", 48", 60" and 72" lengths



Inlet Chart			
Size	Type	A	B
6	Round	5 7/8	
8	Oval	5 7/8	8 15/16
10	Oval	5 7/8	12 1/16
12	Oval	5 7/8	15 1/4
14	Oval	5 7/8	18 7/16

Formations		
Unit Slot Width	Number of Slots	Dim W (I.D. Width)
1"	1	3 1/4
1.5"	1	4 1/4
2"	1	5 1/4
2.5"	1	6 1/4
3"	1	7 1/4
1"	2	5 5/8
1.5"	2	7 5/8
2"	2	9 5/8
2.5"	2	11 5/8
3"	2	13 5/8

## FORMATIONS MODEL SPECIFICATIONS

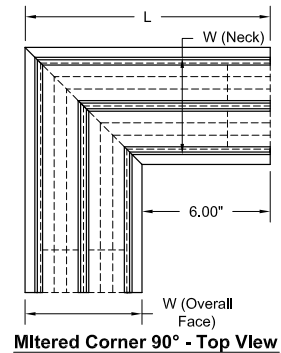
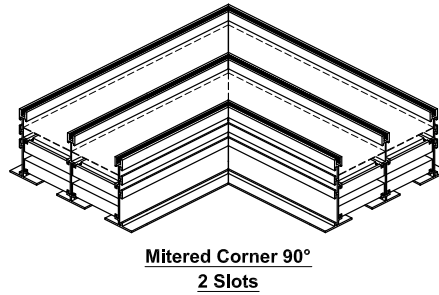
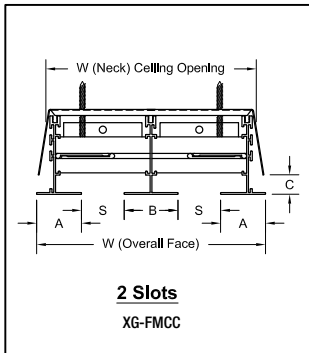
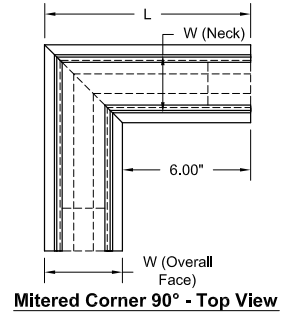
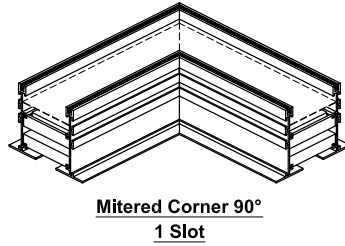
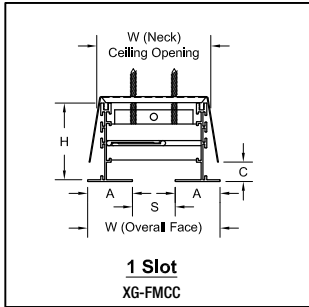
### MODEL XG-UP/XG-UPI

Model	Slot Width	Frame Style	Inlet	# of Slots	Length	End Detail	Pattern Controller	Available Options	
XG-UP-FAL	10-1"	- 1	NI - No Inlet	1	24"	2EB	C - Combo	XXG-FODR	Face Operated Damper
XG-UPI-FAL	15-1.5"	- 6	06	2	36"	1EB	S - Straight	XG-ID	Inlet Damper
XG-UP-FALC	20-2"		08		48"	2EC		XG-ROD	Remote Operated Damper
XG-UPI-FALC	25-2.5"		10		60"	1EC		XG-CC	Closed Cell Insulation
	30-3"		12		72"	MM		XG-EI	External Insulation
			14			00			

**FORMATIONS MITERED CORNER 90°**

XG-FMC - FORMATION MITERED CORNER UNIT

XG-FMCC - FORMATION MITERED CORNER CONCEAL MOUNT UNIT

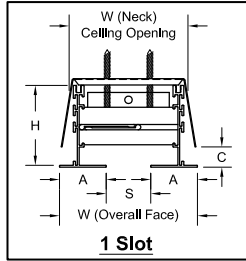


Model: FMC/FMCC 90					
Model	Number of Slots	Slot Width	L	W (Neck)	W (Face OA)
XG-FMC-10/XG-FMCC-10 90	1	1"	9 5/8	2 7/16	3 5/8
XG-FMC-15/XG-FMCC-15 90		1 1/2"	10 5/8	3 7/16	4 5/8
XG-FMC-20/XG-FMCC-20 90		2"	11 5/8	4 7/16	5 5/8
XG-FMC-25/XG-FMCC-25 90		2 1/2"	12 5/8	5 7/16	6 5/8
XG-FMC-30/XG-FMCC-30 90		3"	13 5/8	6 7/16	7 5/8
XG-FMC-10/XG-FMCC-10 90	2	1"	12	4 13/16	6
XG-FMC-15/XG-FMCC-15 90		1 1/2"	14	6 13/16	8
XG-FMC-20/XG-FMCC-20 90		2"	16	8 13/16	10
XG-FMC-25/XG-FMCC-25 90		2 1/2"	18	10 13/16	12
XG-FMC-30/XG-FMCC-30 90		3"	20	12 13/16	14

**FORMATIONS MITERED CORNERS 135°**

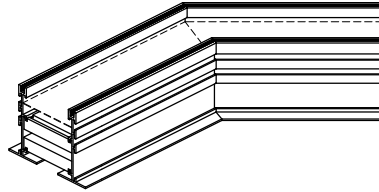
XG-FMC - FORMATIONS MITERED CORNER UNIT

XG-FMCC - FORMATIONS MITERED CORNER CONCEAL MOUNT UNIT



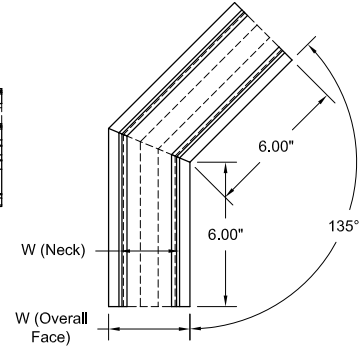
**1 Slot**

XG-FMCC

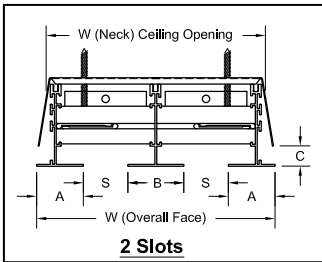


**Mitered Corner 135°**

**1 Slot**

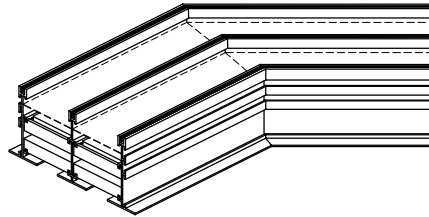


**Mitered Corner 135° - Top View**



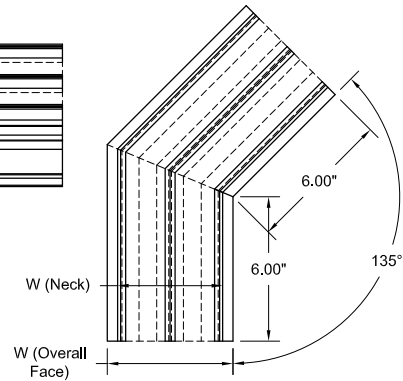
**2 Slots**

XG-FMCC



**Mitered Corner 135°**

**2 Slot**



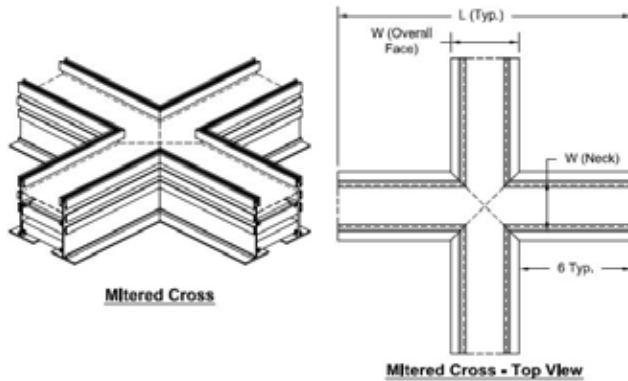
**Mitered Corner 135° - Top View**

Model: FMC/FMCC 135				
Model	Number of Slots	Slot Width	W (Neck)	W (Face OA)
XG-FMC-10/XG-FMCC-10 135	1	1"	2 7/16	3 5/8
XG-FMC-15/XG-FMCC-15 135		1 1/2"	3 7/16	4 5/8
XG-FMC-20/XG-FMCC-20 135		2"	4 7/16	5 5/8
XG-FMC-25/XG-FMCC-25 135		2 1/2"	5 7/16	6 5/8
XG-FMC-30/XG-FMCC-30 135		3"	6 7/16	7 5/8
XG-FMC-10/XG-FMCC-10 135	2	1"	4 13/16	6
XG-FMC-15/XG-FMCC-15 135		1 1/2"	6 13/16	8
FXG-MC-20/XG-FMCC-20 135		2"	8 13/16	10
XG-FMC-25/XG-FMCC-25 135		2 1/2"	10 13/16	12
XG-FMC-30/XG-FMCC-30 135		3"	12 13/16	14

**FORMATIONS MITERED UNIT**

XG-FAC - FORMATIONS MITERED CROSS UNIT

XG-FACC - FORMATIONS MITERED CROSS CONCEAL MOUNT

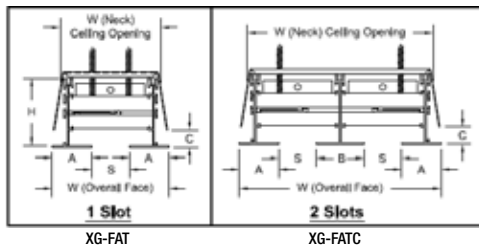
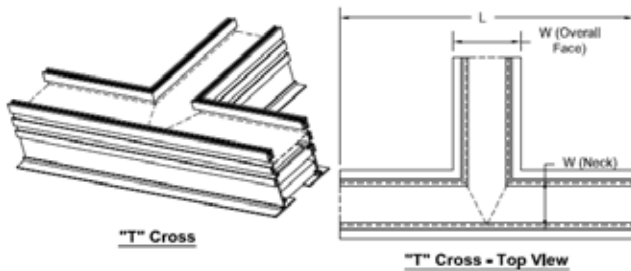


Mitered Cross					
Model	Number of Slots	Slot Width	L	W (Neck)	W (Face OA)
XG-FAC/ XG-FACC-10	1	1"	15 5/8	2 7/16	3 5/8
XG-FAC/ XG-FACC-15		1 1/2"	16 5/8	3 7/16	4 5/8
XG-FAC/ XG-FACC-20		2"	17 5/8	4 7/16	5 5/8
XG-FAC/ XG-FACC-25		2 1/2"	18 5/8	5 7/16	6 5/8
XG-FAC/ XG-FACC-30		3"	19 5/8	6 7/16	7 5/8
XG-FAC/ XG-FACC-10	2	1"	18	4 13/16	6
XG-FAC/ XG-FACC-15		1 1/2"	20	6 13/16	8
XG-AC/ XG-FACC-20		2"	22	8 13/16	10
XG-FAC/ XG-FACC-25		2 1/2"	24	10 13/16	12
XG-FAC/ XG-FACC-30		3"	26	12 13/16	14

**FORMATIONS MITERED TEE UNIT**

XG-FAT - FORMATIONS MITERED TEE UNIT

XG-FATC - FORMATIONS MITERED TEE CONCEAL MOUNT



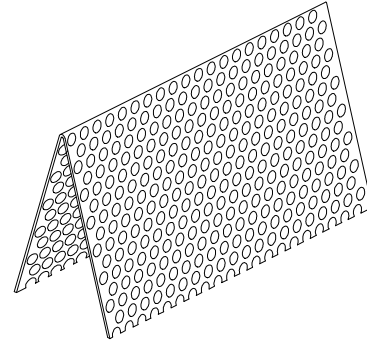
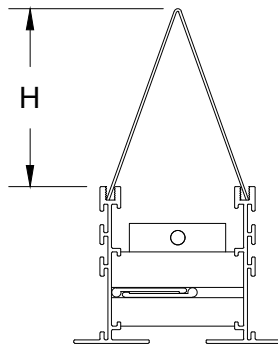
"T" Cross					
Model	Number of Slots	Slot Width	L	W (Neck)	W (Face OA)
XG-FAT/ XG-FATC-10	1	1"	15 5/8	2 7/16	3 5/8
XG-FAT/ XG-FATC-15		1 1/2"	16 5/8	3 7/16	4 5/8
XG-FAT/ XG-FATC-20		2"	17 5/8	4 7/16	5 5/8
XG-FAT/ XG-FATC-25		2 1/2"	18 5/8	5 7/16	6 5/8
XG-FAT/ XG-FATC-30		3"	19 5/8	6 7/16	7 5/8
XG-FAT/ XG-FATC-10	2	1"	18	4 13/16	6
XG-FAT/ XG-FATC-15		1 1/2"	20	6 13/16	8
XG-FAT/ XG-FATC-20		2"	22	8 13/16	10
XG-FAT/ XG-FATC-25		2 1/2"	24	10 13/16	12
XG-FAT/ XG-FATC-30		3"	26	12 13/16	14



## FORMATIONS ACCESSORIES

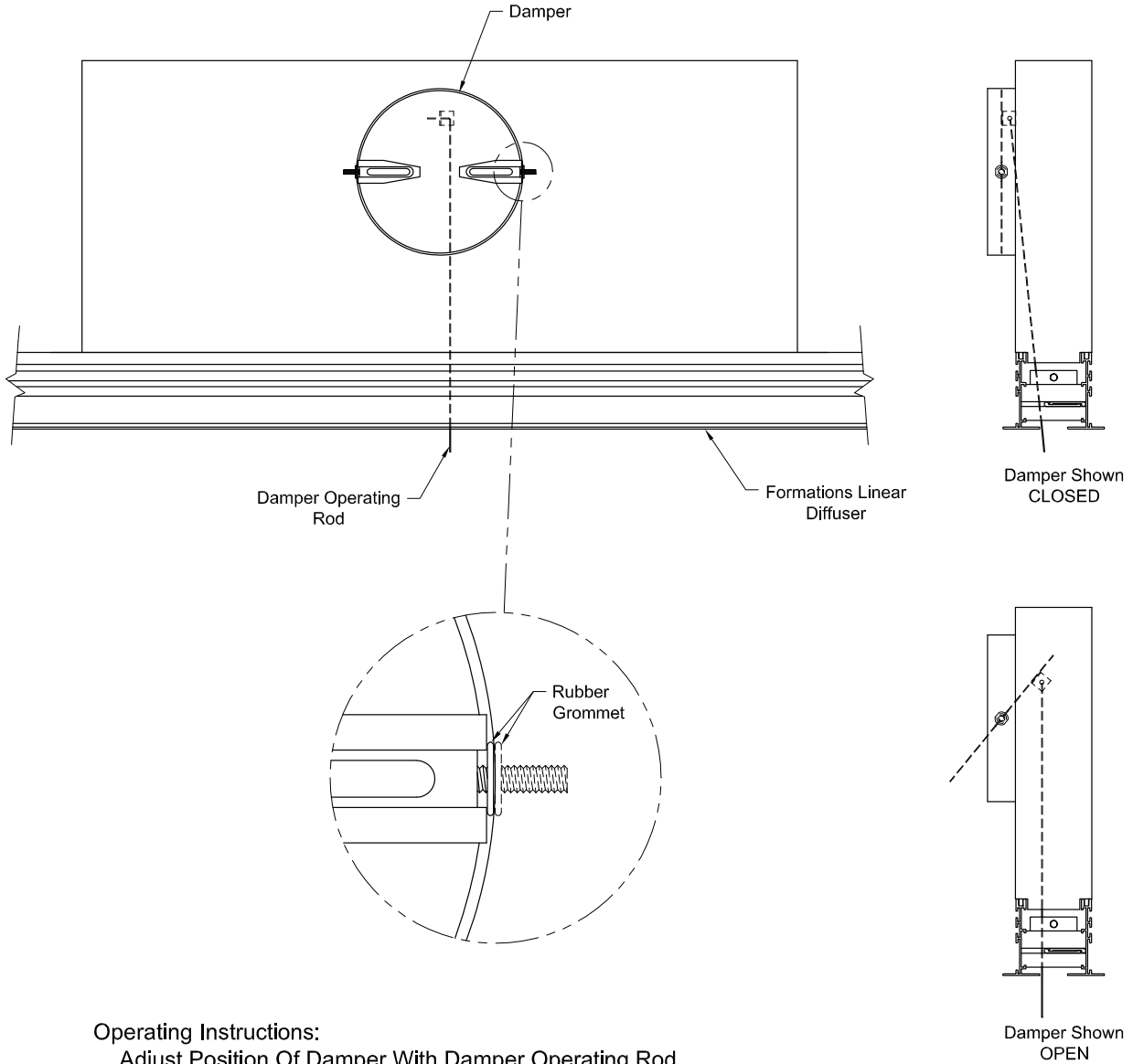
### LIGHT SHIELD

**Model: XG-FAR-10 = 1" Slot = Non Insulation**  
**Model: XG-FAR-15 = 1 1/2" Slot = Non Insulation**  
**Model: XG-FAR-20 = 2" Slot = Non Insulation**  
**Model: XG-FAR-25 = 2 1/2" Slot = Non Insulation**  
**Model: XG-FAR-30 = 3" Slot = Non Insulation**



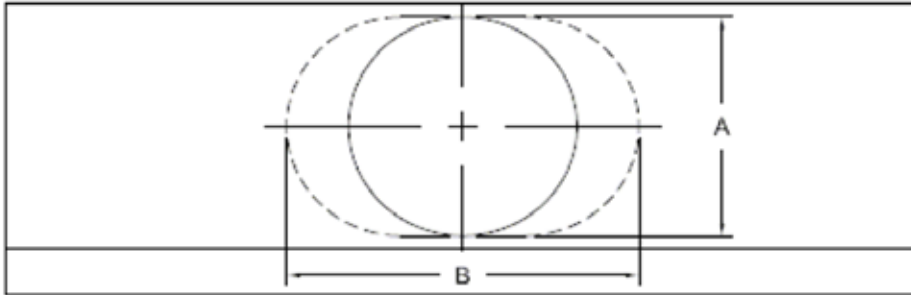
Slot Number	Slot Width	DIM H
1	1	3 1/8
	1 1/2	3 1/8
	2	3 1/8
	2 1/2	3 1/8
	3	3 1/8
Slot Number	Slot Width	DIM H
2	1	2 3/4
	1 1/2	3
	2	3 3/4
	2 1/2	5
	3	5 3/4

**FORMATIONS ACCESSORIES**  
**XG-FODR — FACE OPERATED DAMPER ROD**

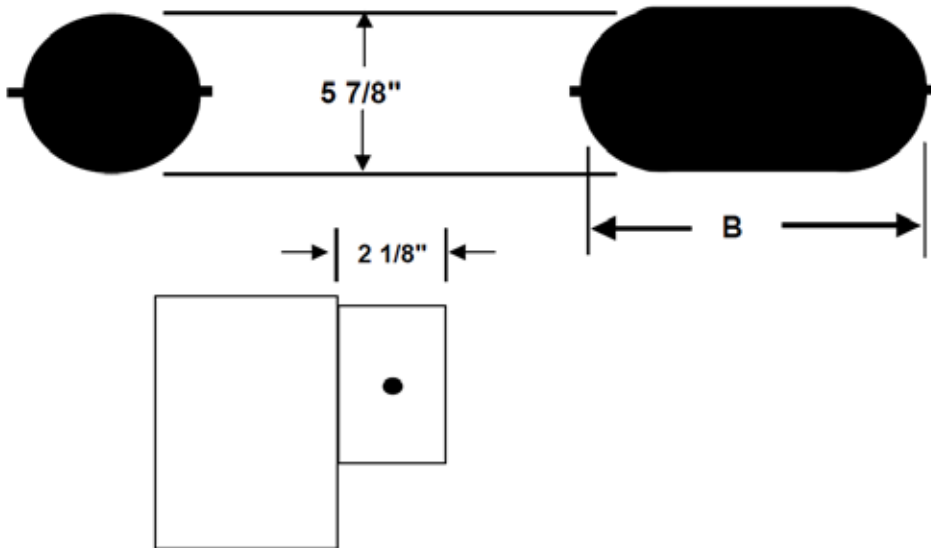


**Operating Instructions:**  
Adjust Position Of Damper With Damper Operating Rod,  
Bend Damper Operating Rod to Conceal Behind Face Slot.

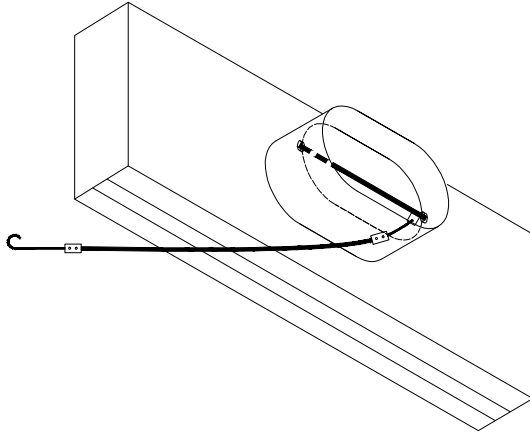
**FORMATIONS ACCESSORIES**  
**XG-ID - INLET DAMPER**



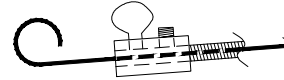
Available Inlets	Round Dim. (A)	Oval Dim. (A x B)
6	5 - 7/8	-
8	-	5 - 7/8 x 8 - 15/16
10	-	5 - 7/8 x 12 - 1/16
12	-	5 - 7/8 x 15 - 1/4
14	-	5 - 7/8 x 18 - 7/16



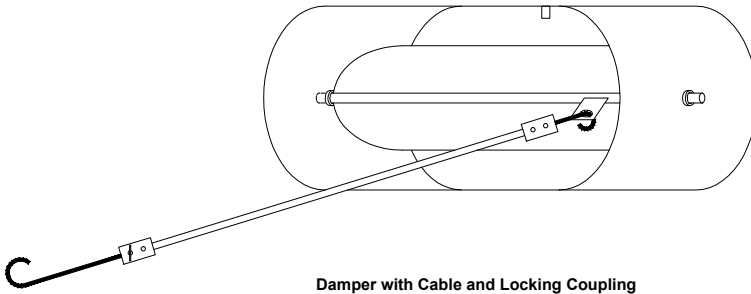
**FORMATIONS ACCESSORIES**  
**XG-ROD - REMOTE OPERATED DAMPER**



Damper Installed



Operator with Locking Coupler



Damper with Cable and Locking Coupling

Available
6"
8"
10"
12"

# LINEAR SLOT DIFFUSERS

The Greenheck line of linear diffusers is designed for applications such as perimeter office space, airport terminals, convention centers and shopping malls. These diffusers are aesthetically pleasing without compromising performance.

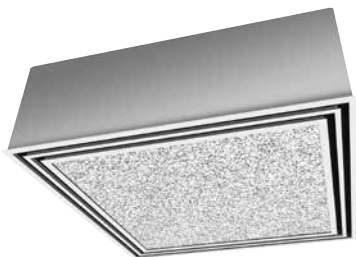
ALUMINUM LINEAR SLOT DIFFUSER



ALUMINUM SPIRAL PIPE SLOT DIFFUSER



ALUMINUM MODULAR SLOT DIFFUSER



PLENUMS



**Aluminum Linear Slot Diffuser.** The XG-6600 series is an excellent choice for continuous linear applications where the diffuser can direct air along the perimeter wall or glass and towards the occupied area to maximize comfort.

XG-6600 – Aluminum linear supply

XG-6600-R – Aluminum linear return.

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**Aluminum Spiral Pipe Slot Diffuser.** The XG-6600-SP series is designed to integrate into exposed spiral duct systems. The pattern controllers are fully adjustable and can be set from horizontal to vertical discharge.

XG-6610-SP – Aluminum spiral pipe supply

XG-6610-RSP – Aluminum spiral pipe return

PAGE 100

**Aluminum Modular Slot Diffuser.** The XG-6600-SQ series modular slot diffuser is designed for lay-in ceiling grids including standard T-bar, Tegular and Donn Finline. The design allows a ceiling tile (by others) to be installed from the face of the diffuser without having to remove the plenum.

XG-6600-SQ – Aluminum modular supply

XG-6600-SQI – Aluminum modular supply – Insulated

XG-6600-SQR – Aluminum modular return

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**Plenums.** The UP-XG-6600 series plenum is designed to connect the XG-6600 series linear slot diffuser to the ducted supply or return.

UP-XG-6600 – Boot plenum

UPI-XG-6600 – Boot plenum - Insulated

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# MODEL XG-6600

Air outlets shall be model XG-6600 (supply) or XG-6610SPR (return) linear slot diffusers manufactured by GREENHECK. Units shall be constructed of heavy gauge extruded aluminum. The units shall be the size and quantity as outline in the plans and specifications. Units shall be available with 1" slot widths.



For supply linear slot diffusers, the pattern controller shall be curved, aerodynamically shaped, capable of adjustment from the face of the diffuser. The pattern controller shall allow adjustment from vertical to horizontal patterns as well as damper the volume through the face of the diffuser. Pattern controllers shall be aluminum construction. Steel pattern controllers are not acceptable.

For return linear slot diffuser, the unit will be provided without pattern controllers to minimize pressure drop and noise. Linear slot diffusers shall be available in one-piece sections up to 6 ft. Units shall be available with one to four slots.

Supply units shall be furnished with the face white and the pattern controller black.

## Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70- 2006.

Model XG-XG-6675 (10-6 & 12-6)								
S=3/4 Slot	Number Of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	2	3 1/2	5	6 1/2	8	9 3/4	11	12 1/2
D2	2 1/2	4	5 1/2	7	8 1/2	10 1/4	11 1/2	13
W	3	4 1/2	6	7 1/2	9	10 1/2	12	13 1/2

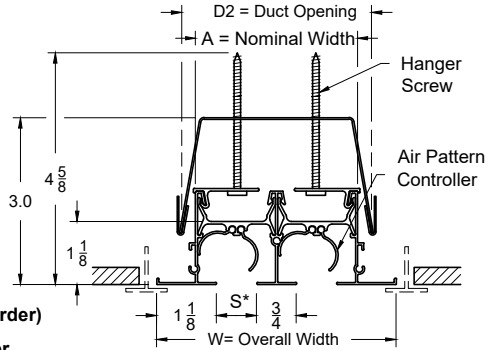
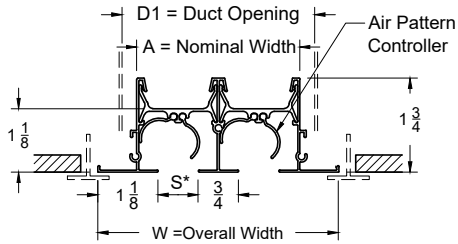
Model XG-XG-6610 (10-6 & 12-6)								
S=1 Slot	Number Of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/4	4	5 5/8	7 1/2	9 1/4	11	12 3/4	14 1/2
D2	2 3/4	4 1/2	6 1/8	8	9 3/4	11 1/2	13 1/4	15
W	3 1/4	5	6 3/4	8 1/2	10 1/4	12	13 3/4	15 1/2

Model XG-6615 (10-6 & 12-6)								
S=1 1/2 Slot	Number Of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 3/4	5	7 1/4	9 1/2	N/A	N/A	N/A	N/A
D2	3 1/4	6	7 3/4	10	N/A	N/A	N/A	N/A
W	3 3/4	6	8 1/4	10 1/2	N/A	N/A	N/A	N/A

# MODEL XG-6600

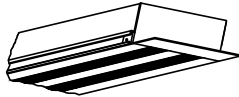
Models: XG-6600-10-6  
(Lay in T-Bar - 1 1/8" Border - No Hardware)

Model: XG-6600-12-6  
(Lay in T-Bar - 1 1/8" Border - With Hardware)

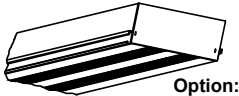


(XG-6600-10-6 & XG-6600-12-6 Models - End Border)

Option: End Border

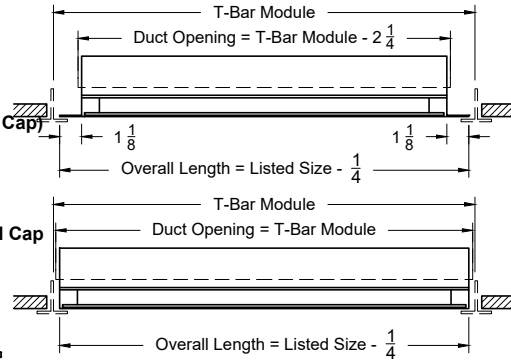
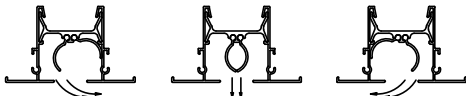


(XG-6600-10-6 & XG-6600-12-6 Models - End Cap)



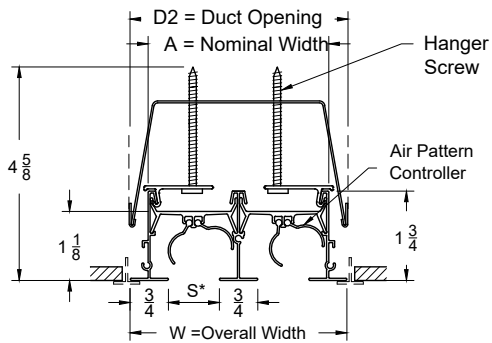
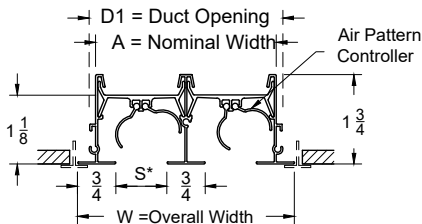
Option: End Cap

Air Deflection Patterns

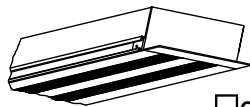


Model: XG-6600-20-6 (3/4" Border - Lay in T-Bar)  
(No Hardware)

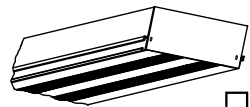
Model: XG-6600-22-6 (3/4" Border - Lay in T-Bar)  
(With Hanger Bracket - Concealed Mount)



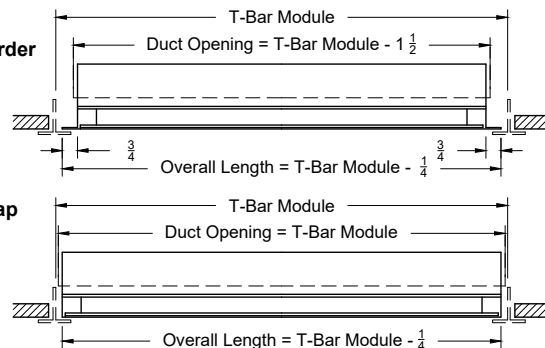
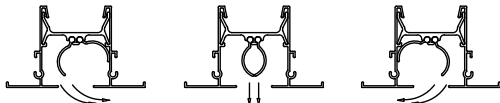
Option: End Border



Option: End Cap



Air Deflection Patterns





Model XG-6650 (20-6 & 22-6)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 11/16	2 13/16	4 3/16	5 3/8	6 9/16	8 1/8	9 7/16	10 5/16
D2	1 13/16	3 1/16	4 5/16	5 9/16	6 13/16	8 1/16	9 5/16	10 9/16
W	2	3 1/4	4 1/2	5 3/4	7	8 1/4	9 1/2	10 3/4

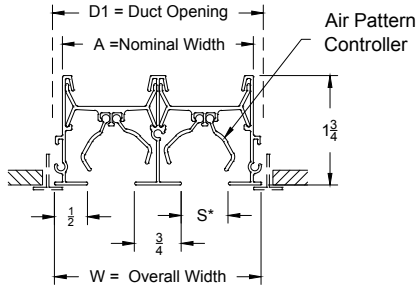
Model XG-6675 (20-6 & 22-6)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	1 13/16	2 5/16	5	6 5/8	7 13/16	9 5/16	10 13/16	12 1/4
D2	2 1/16	3 9/16	5 1/16	6 9/16	8 1/16	9 9/16	11 1/16	12 9/16
W	2 1/4	3 3/4	5 1/4	6 3/4	8 1/4	9 3/4	11 1/4	12 3/4

Model XG-6610 (20-6 & 22-6)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/8	3 15/16	5 5/8	7 3/8	9 1/4	10 7/8	13 3/4	14 1/2
D2	2 5/16	4 1/16	5 13/16	7 9/16	9 5/16	11 1/16	12 13/16	14 9/16
W	2 1/2	4 1/4	6	7 3/4	9 1/2	11 1/4	13	14 3/4

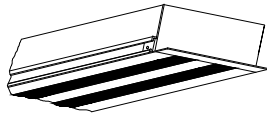
Model XG-6615 (20-6 & 22-6)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 5/8	4 7/8	7 1/8	9 3/8	N/A	N/A	N/A	N/A
D2	2 13/16	5 1/16	7 5/16	9 9/16	N/A	N/A	N/A	N/A
W	3	5 1/4	7 1/2	9 3/4	N/A	N/A	N/A	N/A

# MODEL XG-6600

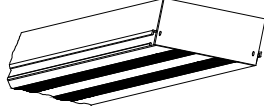
Model:  XG-6600-30-6 ( 1/2" Border )  
(Lay in T-Bar - No Hardware)



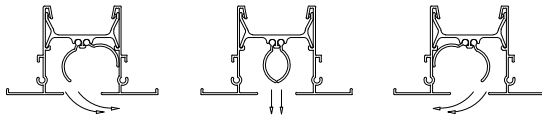
Option:  End Border



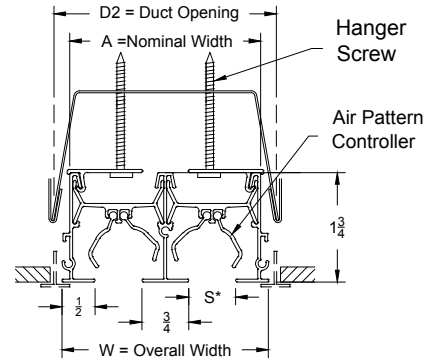
Option:  End Cap



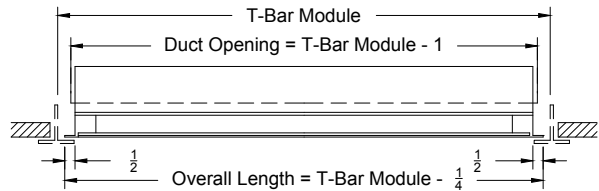
Air Deflection Patterns



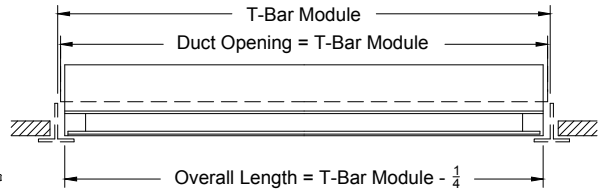
Model:  XG-6600-32-6 ( 1/2" Border - Lay in T-Bar )  
(With Concealed Mount Hardware)



End Border (Models: XG-6600-30-6 and XG-6600-32-6)



End Cap (Models: XG-6600-30-6 and XG-6600-32-6)



Model XG-6650 (30-6 & 32-6)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 9/16	2 13/16	4 1/16	5 5/16	6 9/16	7 13/16	9 1/16	10 5/16
D2	1 13/16	3 1/16	4 5/16	5 9/16	6 13/16	8 1/16	9 5/16	10 9/16
W	1 9/16	2 13/16	4 1/16	5 5/16	6 9/16	7 13/16	9 1/16	10 5/16

Model XG-6675 (30-6 & 32-6)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	1 13/16	3 5/16	4 13/16	6 5/16	7 13/16	9 5/16	10 13/16	12 5/16
D2	2 1/16	3 9/16	5 1/16	6 9/16	8 1/16	9 9/16	11 1/16	12 9/16
W	1 13/16	3 5/16	4 13/16	6 5/16	7 13/16	9 5/16	10 13/16	12 5/16

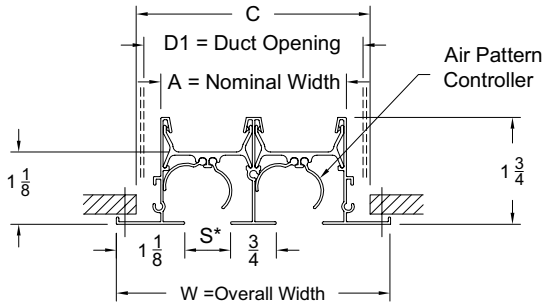
Model XG-6610 (30-6 & 32-6)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/16	3 13/16	5 9/16	7 5/16	9 1/16	10 13/16	12 9/16	14 5/16
D2	2 5/16	4 1/16	5 13/16	7 9/16	9 5/16	11 1/16	12 13/16	14 9/16
W	2 1/16	3 13/16	5 9/16	7 5/16	9 1/16	10 13/16	12 9/16	14 5/16

Model XG-6615 (30-6 & 32-6)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 9/16	4 13/16	7 1/16	9 5/16	N/A	N/A	N/A	N/A
D2	2 13/16	5 1/16	7 5/16	9 9/16	N/A	N/A	N/A	N/A
W	5 1/8	7 3/8	9 5/8	11 7/8	N/A	N/A	N/A	N/A

# MODEL XG-6600

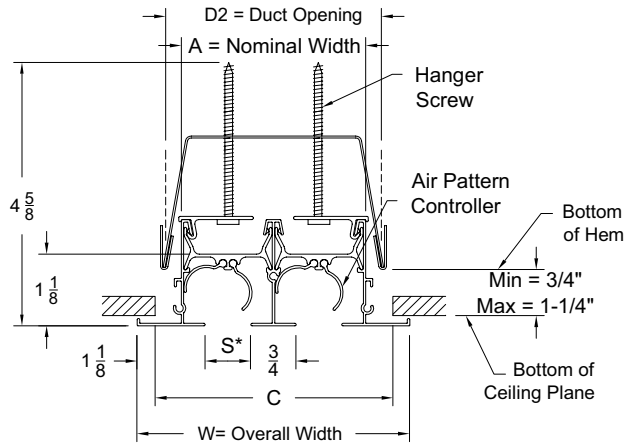
Models: XG-6600-11-1

(Face Screw Mounting -  
1 1/8" Border - No Hardware)

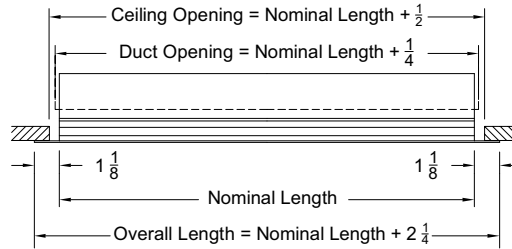
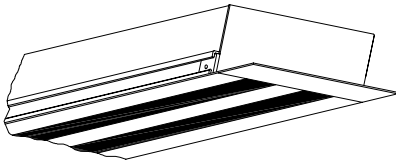


Models: XG-6600-12-1

(Concealed Surface Mount -  
1 1/8" Border - With Hardware)



End Border



Model XG-6650 (11-1 & 12-1)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 3/4	3	4 1/4	5 1/2	6 3/4	8	9 1/4	10 1/2
D2	2 1/4	3 1/2	4 3/4	6	7 1/4	8 1/2	9 3/4	11
C	1 7/8	3 1/8	4 3/8	5 5/8	6 7/8	8 1/8	9 3/8	10 5/8
W	2 3/4	4	5 1/4	6 1/2	7 3/4	9	10 1/4	11 1/2

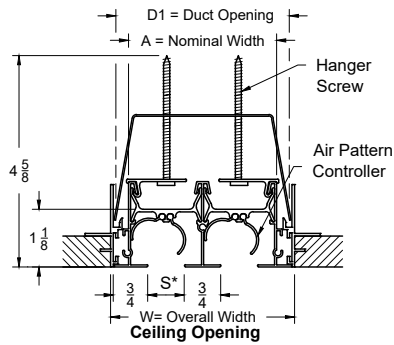
Model XG-6675 (11-1 & 12-1)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	2	3 1/2	5	6 1/2	8	9 3/4	11	12 1/2
D2	2 1/2	4	5 1/2	7	8 1/2	10 1/4	11 1/2	13
C	2 1/8	3 5/8	5 1/8	6 5/8	8 1/8	9 7/8	11 1/8	12 5/8
W	3	4 1/2	6	7 1/2	9	10 1/2	12	13 1/2

Model XG-6610 (11-1 & 12-1)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/4	4	5 5/8	7 1/2	9 1/4	11	12 3/4	14 1/2
D2	2 3/4	4 1/2	6 1/8	8	9 3/4	11 1/2	13 1/4	15
C	2 3/8	4 1/8	5 3/4	7 5/8	9 3/8	11 1/8	12 7/8	14 5/8
W	3 1/4	5	6 3/4	8 1/2	10 1/4	12	13 3/4	15 1/2

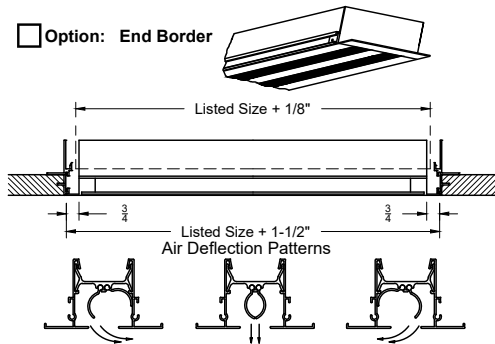
Model XG-6615 (11-1 & 12-1)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 3/4	5	7 1/4	9 1/2	N/A	N/A	N/A	N/A
D2	3 1/4	6	7 3/4	10	N/A	N/A	N/A	N/A
C	2 7/8	5	7 3/8	9 5/8	N/A	N/A	N/A	N/A
W	3 3/4	6	8 1/4	10 1/2	N/A	N/A	N/A	N/A

# MODEL XG-6600

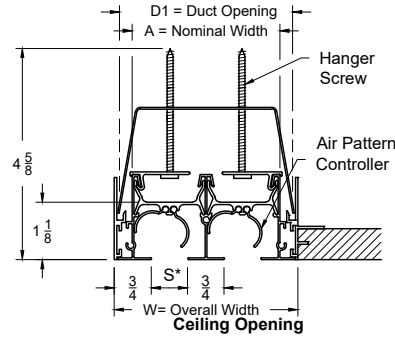
**Model: XG-6600-22-73 ( 3/4" Border Concealed Spline)(Concealed Mount - Plaster Frames)**



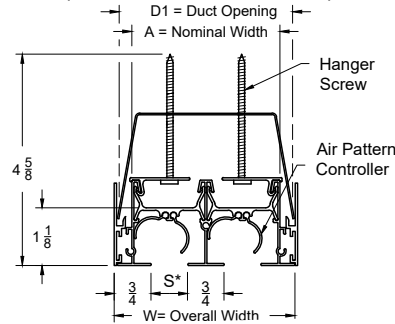
Option: End Border



**Model: XG-6600-22-74 ( 3/4" Border Concealed Spline) (Concealed Mount - Wall Frame / Plaster Frame)**



**Model: XG-6600-22-75 ( 3/4" Border Concealed Spline) (Concealed Mount - Wall Frames)**



Model XG-6650 (22-73, 22-74 & 77-75)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 11/16	2 13/16	4 3/16	5 3/8	6 9/16	8 1/8	9 7/16	10 5/16
W	2 1/8	3 3/8	4 5/8	5 7/8	7 1/8	8 3/8	9 5/8	10 7/8

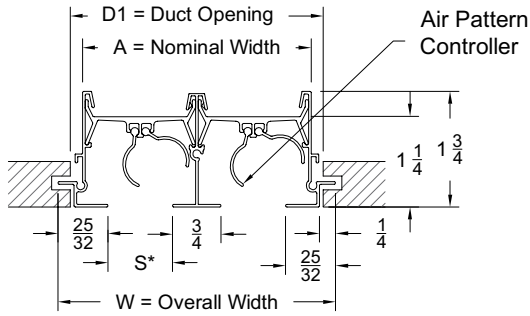
Model XG-6675 (22-73, 22-74 & 77-75)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	1 13/16	2 5/16	5	6 5/8	7 13/16	9 5/16	10 13/16	12 1/4
W	2 3/8	3 7/8	5 3/8	6 7/8	8 3/8	9 7/8	11 3/8	12 7/8

Model XG-6610 (22-73, 22-74 & 77-75)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/8	3 15/16	5 5/8	7 3/8	9 1/4	10 7/8	13 3/4	14 1/2
W	2 5/8	4 3/8	6 1/8	7 7/8	9 5/8	11 3/8	13 1/8	14 7/8

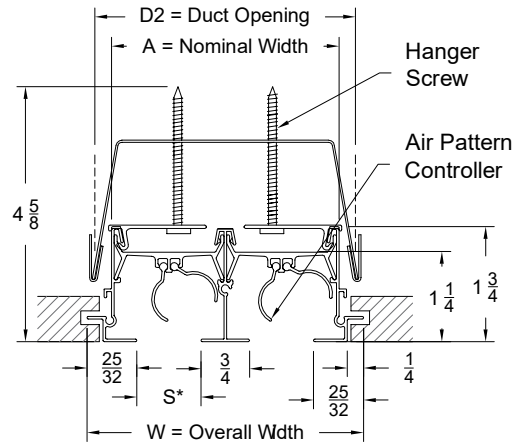
Model XG-6615 (22-73, 22-74 & 77-75)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 5/8	4 7/8	7 1/8	9 3/8	N/A	N/A	N/A	N/A
W	3 1/8	5 3/8	7 5/8	9 7/8	N/A	N/A	N/A	N/A

# MODEL XG-6600

Models: XG-6600-40-7  
(Concealed Spine - No Hardware)

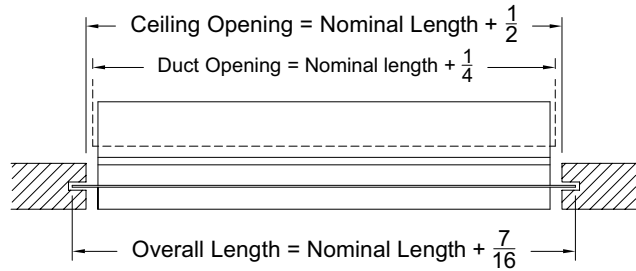
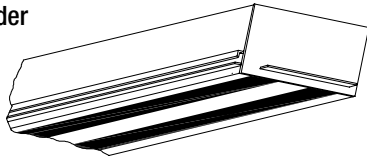


Models: XG-6600-42-7  
(Concealed Spine -with  
Concealed Mounting Hardware)



Side View (XG-6600-40-7 & XG-6600 42-7 - End Border)

End Border





Model XG-6650 (40-7 & 42-7)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 9/16	2 13/16	4 1/16	5 5/16	6 9/16	7 13/16	9 1/16	10 5/16
D2	1 7/8	3 1/8	4 3/8	5 5/8	6 7/8	8 1/8	9 3/8	10 5/8
W	2 1/16	3 5/16	4 9/16	5 13/16	7 1/16	8 5/16	9 9/16	10 13/16

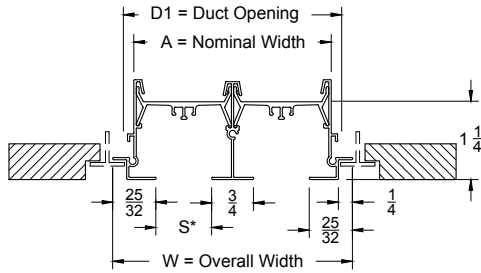
Model XG-6675 (40-7 & 42-7)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	1 13/16	3 5/16	4 13/16	6 5/16	7 13/16	9 5/16	10 13/16	12 5/16
D2	2 1/8	3 5/8	5 1/8	6 5/8	8 1/8	9 5/8	11 1/8	12 5/8
W	2 5/16	3 13/16	5 5/16	6 13/16	8 5/16	9 13/16	11 5/16	12 13/16

Model XG-6610 (40-7 & 42-7)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/16	3 13/16	5 9/16	7 5/16	9 1/16	10 13/16	12 9/16	14 5/16
D2	2 3/8	4 1/8	5 7/8	7 5/8	9 3/8	11 1/8	12 7/8	14 5/8
W	2 9/16	4 5/16	6 1/16	7 13/16	9 9/16	11 5/16	13 1/16	14 13/16

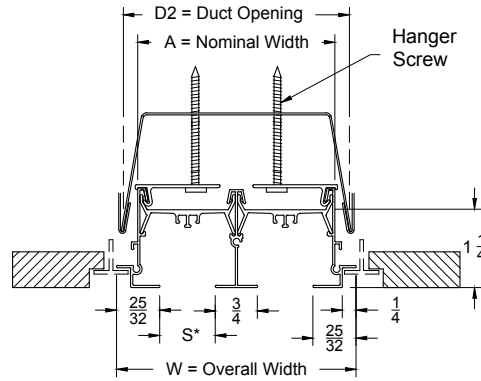
Model XG-6615 (40-7 & 42-7)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 9/16	4 13/16	7 1/16	9 5/16	N/A	N/A	N/A	N/A
D2	2 7/8	5 1/8	7 3/8	9 5/8	N/A	N/A	N/A	N/A
W	3 1/16	5 5/16	7 9/16	9 13/16	N/A	N/A	N/A	N/A

# MODEL XG-6600

Model: XG-6600R-40-8  
(Drop Face - No Hardware)

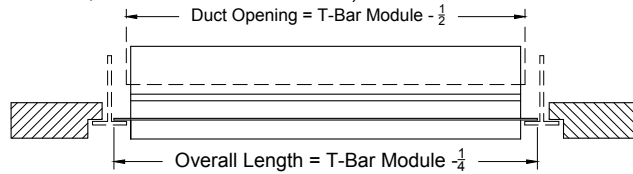
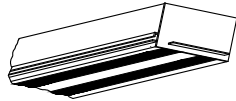


Model: XG-6600R-42-8  
(Drop Face - With Concealed Mounting Hardware)



Side View (XG-6600R-40-8, XG-6600-42-8 & End Border)

End Border



Model XG-6650 (40-8 & 42-8)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 9/16	2 13/16	4 1/16	5 5/16	6 9/16	7 13/16	9 1/16	10 5/16
D2	1 7/8	3 1/8	4 3/8	5 5/8	6 7/8	8 1/8	9 3/8	10 5/8
W	2 1/16	3 5/16	4 9/16	5 13/16	7 1/16	8 5/16	9 9/16	10 13/16

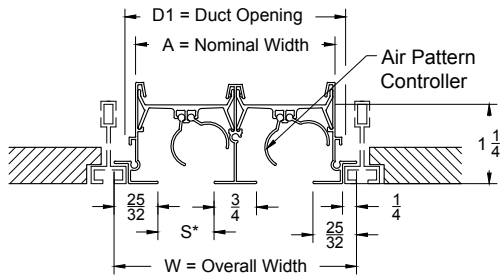
Model XG-6675 (40-8 & 42-8)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	1 13/16	3 5/16	4 13/16	6 5/16	7 13/16	9 5/16	10 13/16	12 5/16
D2	2 1/8	3 5/8	5 1/8	6 5/8	8 1/8	9 5/8	11 1/8	12 5/8
W	2 5/16	3 13/16	5 5/16	6 13/16	8 5/16	9 13/16	11 5/16	12 13/16

Model XG-6610 (40-8 & 42-8)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/16	3 13/16	5 9/16	7 5/16	9 1/16	10 13/16	12 9/16	14 5/16
D2	2 3/8	4 1/8	5 7/8	7 5/8	9 3/8	11 1/8	12 7/8	14 5/8
W	2 9/16	4 5/16	6 1/16	7 13/16	9 9/16	11 5/16	13 1/16	14 13/16

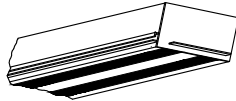
Model XG-6615 (40-8 & 42-8)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 9/16	4 13/16	7 1/16	9 5/16	N/A	N/A	N/A	N/A
D2	2 7/8	5 1/8	7 3/8	9 5/8	N/A	N/A	N/A	N/A
W	3 1/16	5 5/16	7 9/16	9 13/16	N/A	N/A	N/A	N/A

# MODEL XG-6600

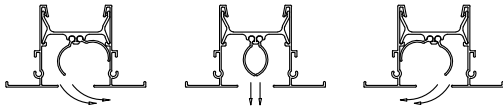
□ Model: XG-6600-40-9  
(Narrow Tee 9/16 Face - No Hardware)



□ End Border

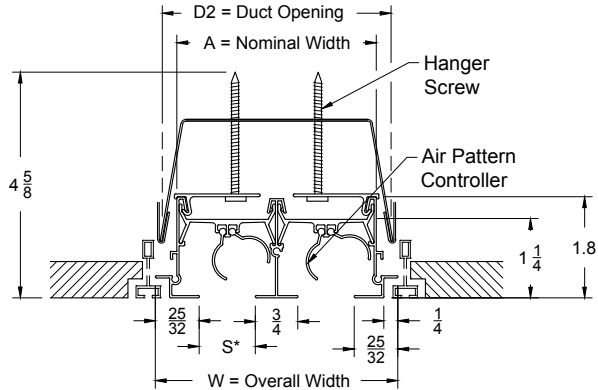


Air Deflection Patterns

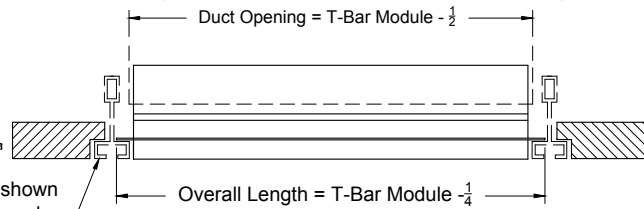


XG-6600-40-9 Model shown with Bolt Grid as an alternate application

□ Model: XG-6600-42-9 (Narrow Tee 9/16 Face)  
(With Concealed Mount Hardware)



Side View (XG-6600-40-9, XG-6600-42-9 & End Border)



Model XG-6650 (40-9 & 42-9)								
S=1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 5/16	2 9/16	3 13/16	5 1/16	6 5/16	7 9/16	8 13/16	10 1/16
D1	1 9/16	2 13/16	4 1/16	5 5/16	6 9/16	7 13/16	9 1/16	10 5/16
D2	1 7/8	3 1/8	4 3/8	5 5/8	6 7/8	8 1/8	9 3/8	10 5/8
W	2 1/16	3 5/16	4 9/16	5 13/16	7 1/16	8 5/16	9 9/16	10 13/16

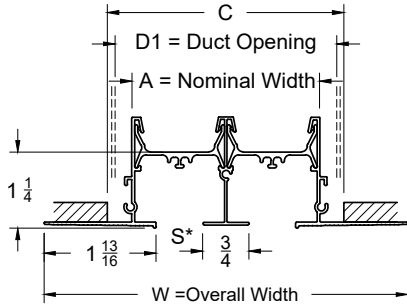
Model XG-6675 (40-9 & 42-9)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/16
D1	1 13/16	3 5/16	4 13/16	6 5/16	7 13/16	9 5/16	10 13/16	12 5/16
D2	2 1/8	3 5/8	5 1/8	6 5/8	8 1/8	9 5/8	11 1/8	12 5/8
W	2 5/16	3 13/16	5 5/16	6 13/16	8 5/16	9 13/16	11 5/16	12 13/16

Model XG-6610 (40-9 & 42-9)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/16	3 13/16	5 9/16	7 5/16	9 1/16	10 13/16	12 9/16	14 5/16
D2	2 3/8	4 1/8	5 7/8	7 5/8	9 3/8	11 1/8	12 7/8	14 5/8
W	2 9/16	4 5/16	6 1/16	7 13/16	9 9/16	11 5/16	13 1/16	14 13/16

Model XG-6615 (40-9 & 42-9)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 9/16	4 13/16	7 1/16	9 5/16	N/A	N/A	N/A	N/A
D2	2 7/8	5 1/8	7 3/8	9 5/8	N/A	N/A	N/A	N/A
W	3 1/16	5 5/16	7 9/16	9 13/16	N/A	N/A	N/A	N/A

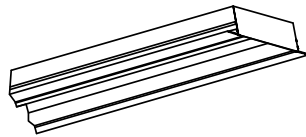
# MODEL XG-6600

**Model: XG-6600R-50-1 (Surface Mount  
- No Hardware/Tape and Spackle)**

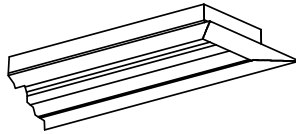


\* Recommended Face Screw Mount  
for 50-1, Screw Holes not Provided

End Cap

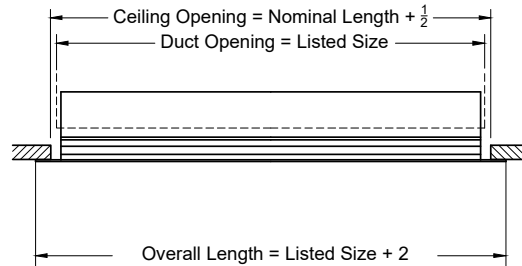
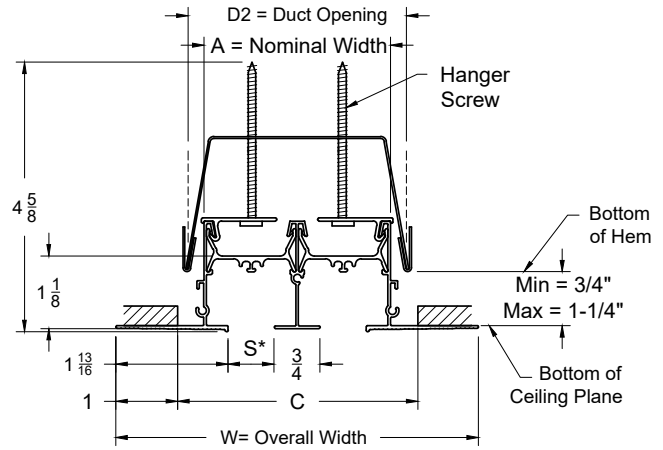


Mitered Border



Air Deflection Patterns

**Model: XG-6600R-52-1 ( Concealed Surface Mount  
- 1 13/16" Border - With Hardware )**



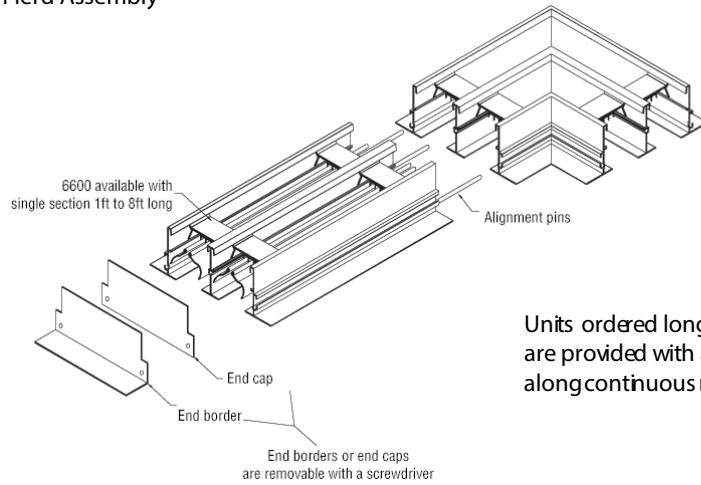
Model XG-6675 (50-1 & 52-1)								
S=3/4 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 9/16	3 1/16	4 9/16	6 1/16	7 9/16	9 1/16	10 9/16	12 1/8
D1	2	3 1/2	5	6 1/2	8	9 3/4	11	12 1/2
D2	2 1/2	4	5 1/2	7	8 1/2	10 1/4	11 1/2	13
C	2 1/8	3 5/8	5 1/8	6 5/8	8 1/8	9 7/8	11 1/8	12 5/8
W	4 3/8	5 7/8	7 3/8	8 7/8	10 3/8	11 7/8	13 3/8	14 7/8

Model XG-6610 (50-1 & 52-1)								
S=1 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	1 13/16	3 9/16	5 5/16	7 1/16	8 13/16	10 9/16	12 5/16	14 1/16
D1	2 1/4	4	5 5/8	7 1/2	9 1/4	11	12 3/4	14 1/2
D2	2 3/4	4 1/2	6 1/8	8	9 3/4	11 1/2	13 1/4	15
C	2 3/8	4 1/8	5 3/4	7 5/8	9 3/8	11 1/8	12 7/8	14 5/8
W	4 5/8	6 3/8	8 1/8	9 7/8	11 5/8	13 3/8	15 1/8	16 7/8

Model XG-6615 (50-1 & 52-1)								
S=1 1/2 Slot	Number of Slots							
	1	2	3	4	5	6	7	8
A	2 5/16	4 9/16	6 13/16	9 1/16	N/A	N/A	N/A	N/A
D1	2 3/4	5	7 1/4	9 1/2	N/A	N/A	N/A	N/A
D2	3 1/4	6	7 3/4	10	N/A	N/A	N/A	N/A
C	2 7/8	5	7 3/8	9 5/8	N/A	N/A	N/A	N/A
W	5 1/8	7	9 5/8	11 7/8	N/A	N/A	N/A	N/A

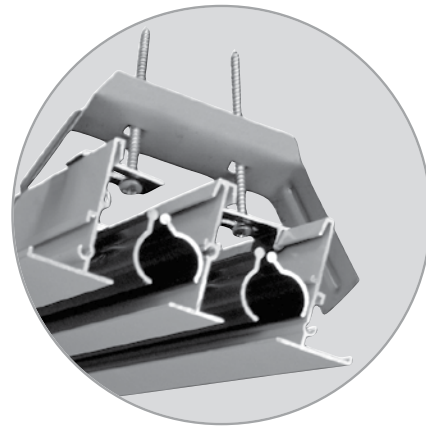
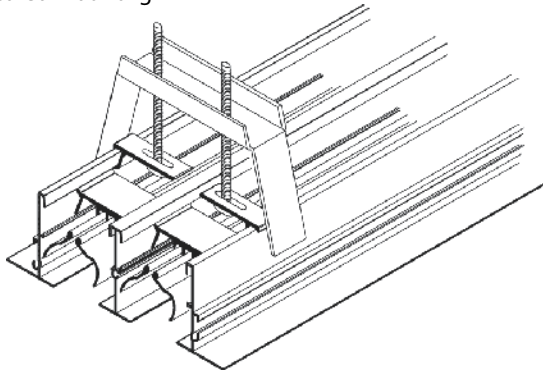
## SERIES XG-6600 INSTALLATION

### Field Assembly



Units ordered longer than 8ft are shipped in multiple sections. Units are provided with alignment pins to keep the XG-6600 diffusers straight along continuous runs.

### Concealed Mounting



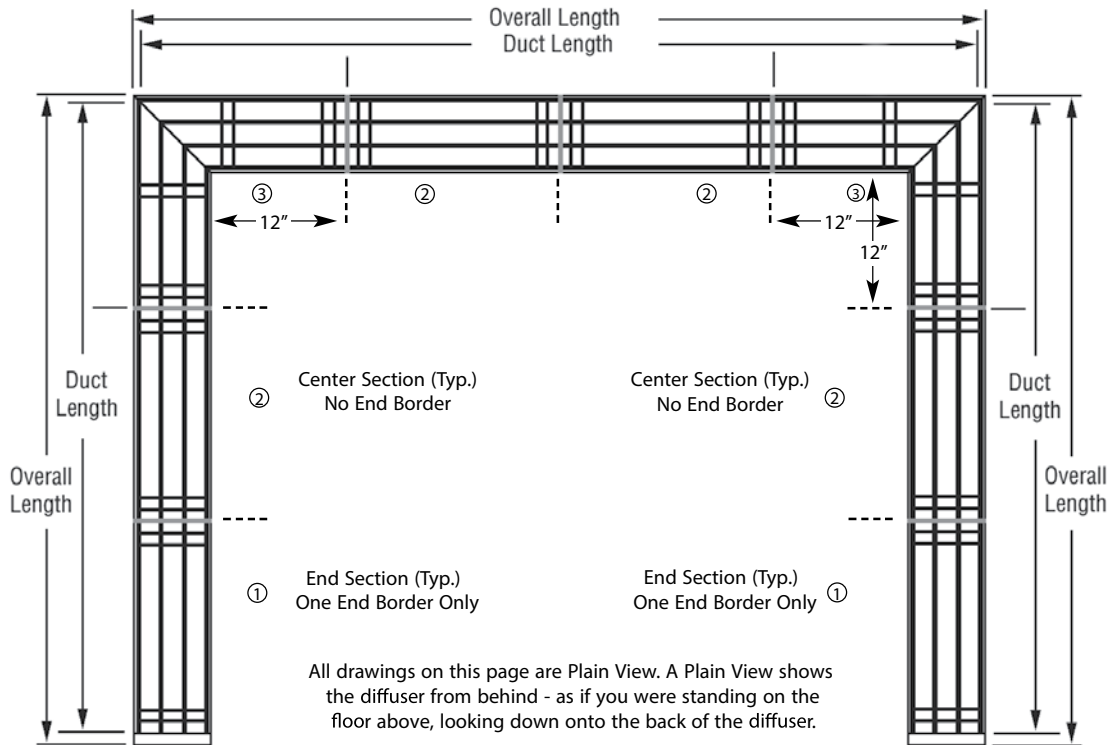
- Concealed Mounting makes installation easy
- Units are inserted into hemmed plenum and secured in place by tightening screws through the face



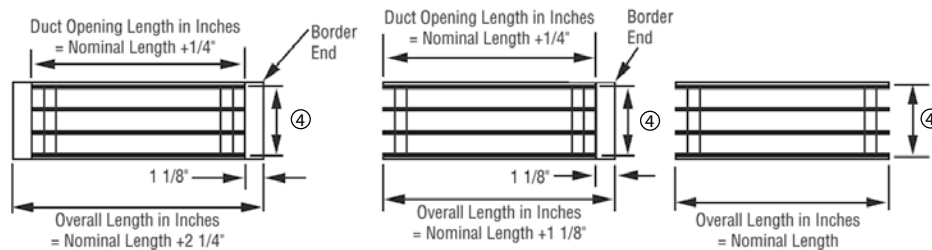
## SERIES XG-6600 INSTALLATION

MODELS XG-6650-11-1 Surface Mount

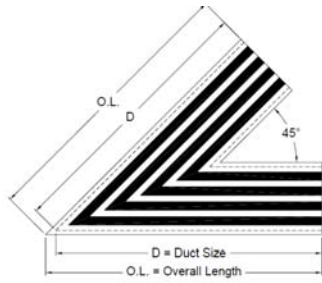
MODELS XG-6650-12-1 Concealed Mounting



**Single Section, Two End Borders** (Not Shown)    ① **End Section, One End Border**    ② **Center Section, No End Borders**

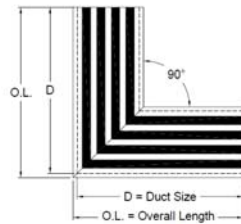


③ 12" Inside Leg Face Dimension



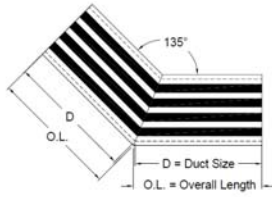
**XG-6650MC 45 1/2" Slot**  
**XG-6675MC 45 3/4" Slot**  
**XG-6610MC 45 1" Slot**  
**XG-6615MC 45 1-1/2" Slot**

Number of Slots	Duct Size (All Models)	Mitered Corner Models (1/2", 3/4", or 1" Slot)				
		XG-6600MC 11-1 XG-6600MC 12-1 XG-6600MC 10-6 XG-6600MC 12-6	XG-6600MC-20-6 XG-6600MC-22-73 XG-6600MC-20-74	XG-6600MC-30-6	XG-6600MC-40-7 XG-6600MC-42-7 XG-6600MC-40-8	XG-6600MC-40-9
		O.L.	O.L.	O.L.	O.L.	O.L.
1 - 2	24	24 3/4	24 27/32	24 5/16	24 29/32	24 29/32
3 - 5	36	36 3/4	36 27/32	36 5/16	36 29/32	36 29/32
6 - 8	48	48 3/4	48 27/32	48 5/16	48 29/32	48 29/32



**XG-6650MC 90 1/2" Slot**  
**XG-6675MC 90 3/4" Slot**  
**XG-6610MC 90 1" Slot**  
**XG-6615MC 90 1-1/2" Slot**

Number of Slots	Duct Size (All Models)	Mitered Corner Models (1/2", 3/4", or 1" Slot)				
		XG-6600MC 11-1 XG-6600MC 12-1 XG-6600MC 10-6 XG-6600MC 12-6	XG-6600MC-20-6 XG-6600MC-22-73 XG-6600MC-20-74	XG-6600MC-30-6	XG-6600MC-40-7 XG-6600MC-42-7 XG-6600MC-40-8	XG-6600MC-40-9
		O.L.	O.L.	O.L.	O.L.	O.L.
1 - 2	12	12 23/32	12 11/32	12 1/8	12 3/8	12 3/8
4 - 8	24	24 23/32	24 11/32	24 1/8	24 3/8	24 3/8



**XG-6650MC 135 1/2" Slot**  
**XG-6675MC 135 3/4" Slot**  
**XG-6610MC 135 1" Slot**  
**XG-6615MC 135 1-1/2" Slot**

Number of Slots	Duct Size (All Models)	Mitered Corner Models (1/2", 3/4", or 1" Slot)				
		XG-6600MC 11-1 XG-6600MC 12-1 XG-6600MC 10-6 XG-6600MC 12-6	XG-6600MC-20-6 XG-6600MC-22-73 XG-6600MC-20-74	MXG-6600MC-30-6	XG-6600MC-40-7 XG-6600MC-42-7 XG-6600MC-40-8	XG-6600MC-40-9
		O.L.	O.L.	O.L.	O.L.	O.L.
1 - 2	12	12 13/32	12 1/4	12 5/32	12 9/32	12 9/32
4 - 8	24	24 13/32	24 1/4	24 5/32	24 9/32	24 9/32

### SPECIAL ANGLE

**XG-6650MC SA 1/2" Slot**  
**XG-6675MC SA 3/4" Slot**  
**XG-6610MC SA 1" Slot**  
**XG-6615MC SA 1-1/2" Slot**

**XG-6600 MODEL NUMBER SPECIFICATION**  
**MODEL XG-6600**

Mounting Styles	Border Width	T-bar Lay-in	Surface Mount	Concealed Spline	Drop Face	Narrow Tee	Mud Flange
Screw Mounted	1 1/8		XG-6600-11-1				
Concealed Mtg Hardware	1 1/8	XG-6600-12-6	XG-6600-12-1				
	3/4	XG-6600-22-6					
	1/2	XG-6600-32-6					
	25/32			XG-6600-42-7	XG-6600-42-8	XG-6600-42-9	
	1-13/16						XG-6600-52-1
No Mtg. Hardware	1 1/8	XG-6600-10-6					
	3/4	XG-6600-20-6					
	1/2	XG-6600-30-6					
	25/32			XG-6600-40-7	XG-6600-40-8	XG-6600-40-9	
	1-13/16						XG-6600-50-1

Concealed Spline	Concealed Wall Mounting	Plaster Concealed Wall Mounting
Plaster Mtg Frame	Spline Plaster Mtg Frame	Wall Mtg Frame
3/4 Border XG-6600-22-73	3/4 Border XG-6600-22-74	3/4 Border XG-6600-22-75

Number of Slots Available	Slot Width	Model #	Available Finishes		Available Accessories
1 through 8	1/2	XG-6650	Standard		Boot Plenums
	3/4	XG-6675	20	White / Black PC	
	1	XG-6610	Optional		
	1 1/2	XG-6615	21	Clear Anodized	
			28	Custom Color	

**SERIES XG-6600 PERFORMANCE DATA**  
**MODEL XG-6650 1/2" SLOT - CFM PER LINEAR FOOT**

Slots	Static Pressure	Horizontal Vertical	.005	.021	.047	.083	.130	.188	.255	.334	.422	.521
			.004	.015	.033	.058	.091	.132	.179	.234	.295	.365
1	CFMLF		5	10	15	20	25	30	35	40	45	50
	Horizontal Throw		1-1-6	3-6-12	6-10-14	10-12-17	11-13-19	12-14-20	13-16-22	14-17-24	14-18-25	15-19-26
	Vertical Throw		2	7	9	11	12	13	14	15	16	17
	Horizontal NC		<15	<15	<15	17	22	27	30	34	36	38
	Vertical NC		<15	<15	<15	<15	<15	15	18	22	24	26
2	CFMLF		10	20	30	40	50	60	70	80	90	100
	Horizontal Throw		1-2-8	4-8-17	8-14-20	14-17-24	15-19-26	17-20-29	18-22-31	19-24-33	20-25-35	22-36-37
	Vertical Throw		3	9	13	15	17	18	20	21	23	24
	Horizontal NC		<15	<15	<15	20	25	30	33	37	39	41
	Vertical NC		<15	<15	<15	<15	<15	18	21	25	27	29
3	CFMLF		16	30	45	60	75	90	105	120	135	150
	Horizontal Throw		2-4-13	6-13-20	13-18-25	17-20-29	19-23-32	20-25-35	22-27-38	18-22-31	19-24-33	20-25-35
	Vertical Throw		5	11	16	18	21	23	24	26	28	29
	Horizontal NC		<15	<15	15	22	27	32	35	39	41	43
	Vertical NC		<15	<15	<15	<15	15	20	23	27	29	31
4	CFMLF		20	40	60	80	100	120	140	160	180	200
	Horizontal Throw		3-6-15	10-15-24	15-20-29	19-24-33	22-26-37	24-29-41	26-31-44	27-33-47	29-35-50	31-37-53
	Vertical Throw		5	13	18	21	24	26	28	30	32	34
	Horizontal NC		<15	<15	17	24	29	33	36	40	42	44
	Vertical NC		<15	<15	<15	<15	17	21	24	28	30	32
5	CFMLF		25	50	75	100	125	150	175	200	225	250
	Horizontal Throw		3-7-16	11-16-25	16-23-32	22-26-30	24-30-42	26-32-46	29-35-49	31-37-53	32-40-56	34-42-59
	Vertical Throw		6	19	23	26	29	32	34	37	39	41
	Horizontal NC		<15	<15	19	26	31	35	37	41	43	45
	Vertical NC		<15	<15	<15	<15	19	23	25	29	31	33
6	CFMLF		30	60	90	120	150	180	210	240	270	300
	Horizontal Throw		4-8-20	14-20-29	20-25-35	24-29-41	26-32-46	29-35-50	31-38-54	33-41-58	35-43-61	37-56-65
	Vertical Throw		6	16	23	26	20	32	34	37	39	41
	Horizontal NC		<15	17	20	27	32	36	38	42	44	46
	Vertical NC		<15	<15	<15	15	20	24	26	30	32	35
7	CFMLF		35	70	105	140	175	210	245	280	315	350
	Horizontal Throw		5-9-18	12-18-31	18-27-38	24-31-44	29-35-49	31-38-54	34-41-59	36-44-63	38-47-66	40-49-70
	Vertical Throw		7	17	24	28	31	34	37	40	42	45
	Horizontal NC		<15	18	21	28	33	37	39	43	45	47
	Vertical NC		<15	<15	<15	16	21	25	27	31	33	35
8	CFMLF		40	80	120	160	200	240	280	320	360	400
	Horizontal Throw		6-10-19	13-19-33	19-29-41	26-33-47	31-37-53	33-41-58	36-44-63	39-47-67	41-50-71	45-53-75
	Vertical Throw		7	18	26	30	34	37	40	43	45	48
	Horizontal NC		<15	20	22	29	34	39	40	44	46	48
	Vertical NC		<15	<15	<15	17	22	27	28	32	34	36

**LINEAR DIFFUSERS  
AND GRILLES**
**LINEAR SLOT DIFFUSERS**
**XG-6600**

**SERIES XG-6600 PERFORMANCE DATA**  
**MODEL XG-6675 3/4" SLOT - CFM PER LINEAR FOOT**

Slots	Static Pressure	Horizontal Vertical	0.011	0.024	0.042	0.066	0.095	0.129	0.168	0.213	0.263	0.318
			.007	.014	.025	.040	.057	.077	.101	.128	.158	.191
1	CFMLF		10	15	20	25	30	35	40	45	50	55
	Horizontal Throw		1-2-6	2-4-14	3-6-22	4-10-24	6-14-27	9-19-29	11-22-31	14-26-33	18-24-35	20-26-36
	Vertical Throw		2	6	10	12	13	14	15	16	17	18
	Horizontal NC		<15	<15	<15	15	19	23	25	28	31	33
	Vertical NC		<15	<15	<15	<15	<15	<15	<15	16	19	21
2	CFMLF		20	30	40	50	60	70	80	90	100	110
	Horizontal Throw		1-3-10	3-6-22	5-10-29	7-16-35	10-22-38	14-26-41	19-29-44	22--33-46	25-35-49	27-36-51
	Vertical Throw		4	8	14	17	18	20	21	23	24	25
	Horizontal NC		<15	<15	<15	18	22	26	28	31	34	36
	Vertical NC		<15	<15	<15	<15	<15	<15	16	19	22	24
3	CFMLF		30	45	60	75	90	105	120	135	150	165
	Horizontal Throw		1-3-13	3-7-27	6-13-36	9-20-41	13-27-44	17-32-48	23-36-51	27-39-54	30-41-57	33-43-60
	Vertical Throw		4	10	17	21	23	24	26	28	29	31
	Horizontal NC		<15	<15	<15	20	24	28	30	33	35	37
	Vertical NC		<15	<15	<15	<15	<15	16	18	21	23	25
4	CFMLF		40	60	80	100	120	140	160	180	200	220
	Horizontal Throw		4-10-24	10-18-36	16-24-42	20-30-47	24-36-51	28-39-55	32-42-59	36-44-63	38-47-66	40-49-70
	Vertical Throw		5	11	20	24	26	28	30	32	34	35
	Horizontal NC		<15	15	16	22	25	30	31	35	37	39
	Vertical NC		<15	<15	<15	<15	<15	18	19	23	25	27
5	CFMLF		50	75	100	125	150	175	200	225	250	275
	Horizontal Throw		10-15-30	15-23-41	20-30-47	25-37-52	30-41-57	35-44-62	38-47-66	41-50-70	43-52-74	45-55-78
	Vertical Throw		6	13	22	27	29	31	34	36	38	39
	Horizontal NC		<15	16	17	23	26	32	33	36	38	40
	Vertical NC		<15	<15	<15	<15	<15	20	21	24	20	28
6	CFMLF		60	90	120	150	180	210	240	270	300	330
	Horizontal Throw		10-15-29	15-22-44	20-29-51	24-37-57	29-44-63	34-48-68	39-51-73	44-54-77	47-57-81	49-60-85
	Vertical Throw		6	14	24	29	32	34	37	39	41	43
	Horizontal NC		<15	17	19	24	28	33	34	37	39	41
	Vertical NC		<15	<15	<15	<15	16	21	22	25	27	29
7	CFMLF		70	105	140	175	210	245	280	315	350	385
	Horizontal Throw		11-16-32	16-24-48	21-32-55	26-40-63	32-48-68	37-52-73	42-55-78	48-59-83	51-62-88	53-65-92
	Vertical Throw		7	15	26	31	34	37	40	42	45	47
	Horizontal NC		16	18	20	24	29	34	35	38	40	42
	Vertical NC		<15	<15	<15	<15	17	22	23	26	28	30
8	CFMLF		80	120	160	200	240	280	320	360	400	440
	Horizontal Throw		11-17-34	17-25-51	23-34-59	28-42-66	34-51-73	40-55-78	45-59-84	51-63-89	54-66-94	57-70-99
	Vertical Throw		7	16	28	34	37	40	43	45	48	50
	Horizontal NC		18	19	22	25	30	35	37	39	41	43
	Vertical NC		<15	<15	<15	<15	18	23	25	27	29	31

LINEAR DIFFUSERS AND GRILLES

LINEAR SLOT DIFFUSERS

XG-6600

**SERIES XG-6600 PERFORMANCE DATA**  
**MODEL XG-6610 1" SLOT - CFM PER LINEAR FOOT**

Slots	Static Pressure	Horizontal Vertical	.008	.030	.047	.068	.092	.120	.152	.188	.227	.270
			.003	.012	.020	.028	.037	.040	.061	.076	.092	.109
1	CFMLF		10	20	25	30	35	40	45	50	55	60
	Horizontal Throw		1-2-6	3-6-22	4-10-24	6-14-27	9-19-29	11-22-31	14-23-33	18-24-35	20-26-36	22-27-38
	Vertical Throw		2	10	12	13	14	15	16	17	18	18
	Horizontal NC		<15	<15	<15	<15	19	22	24	26	28	30
	Vertical NC		<15	<15	<15	<15	<15	<15	<15	<15	16	18
2	CFMLF		20	40	50	60	70	80	90	100	110	120
	Horizontal Throw		1-3-10	5-10-29	7-16-35	10-22-38	14-26-41	19-29-44	22-33-46	25-35-49	27-36-51	29-38-54
	Vertical Throw		4	14	17	18	20	21	23	24	25	26
	Horizontal NC		<15	<15	<15	<15	21	25	27	29	31	33
	Vertical NC		<15	<15	<15	<15	<15	<15	15	17	19	21
3	CFMLF		30	60	75	90	105	120	135	150	165	180
	Horizontal Throw		3-7-18	12-18-36	15-23-41	18-27-44	21-32-48	24-26-51	27-39-54	30-41-57	33-43-60	36-44-63
	Vertical Throw		4	17	21	23	24	26	28	29	31	32
	Horizontal NC		<15	<15	<15	17	22	27	28	30	32	34
	Vertical NC		<15	<15	<15	<15	<15	15	16	18	20	22
4	CFMLF		40	80	100	120	140	160	180	200	220	240
	Horizontal Throw		4-10-24	16-24-42	20-30-47	24-36-51	28-39-55	32-42-59	36-44-63	38-47-66	40-49-70	42-51-73
	Vertical Throw		5	20	24	26	28	30	32	34	35	37
	Horizontal NC		<15	<15	15	19	24	29	30	32	34	36
	Vertical NC		<15	<15	<15	<15	<15	17	18	20	22	24
5	CFMLF		50	100	125	150	175	200	225	250	275	300
	Horizontal Throw		10-15-30	20-30-47	25-37-52	30-41-57	35-44-62	38-47-66	41-50-70	43-52-74	45-55-78	47-57-81
	Vertical Throw		6	24	29	32	34	37	39	41	43	45
	Horizontal NC		<15	<15	16	21	25	31	32	34	35	37
	Vertical NC		<15	<15	<15	<15	<15	19	20	22	23	25
6	CFMLF		60	120	150	180	210	240	270	300	330	360
	Horizontal Throw		10-15-29	20-29-51	24-37-57	29-44-63	34-48-68	39-51-73	44-54-77	47-57-81	49-60-85	51-63-89
	Vertical Throw		6	24	29	32	34	37	39	41	43	45
	Horizontal NC		<15	15	17	22	27	33	34	35	36	38
	Vertical NC		<15	<15	<15	<15	<15	21	22	23	24	26
7	CFMLF		70	140	175	210	245	280	315	350	385	420
	Horizontal Throw		11-16-32	21-32-55	26-40-62	32-48-68	37-52-73	42-55-78	48-59-83	51-62-88	53-65-92	55-68-96
	Vertical Throw		7	26	31	34	37	40	42	45	47	49
	Horizontal NC		<15	16	18	24	28	34	36	37	37	39
	Vertical NC		<15	<15	<15	<15	16	22	24	25	25	27
8	CFMLF		80	160	200	240	280	320	360	400	440	480
	Horizontal Throw		11-17-34	23-34-59	28-42-66	34-51-73	40-55-78	45-59-84	51-63-89	54-66-94	57-70-98	59-73-103
	Vertical Throw		7	28	34	37	40	43	47	48	50	52
	Horizontal NC		<15	16	20	26	30	35	37	38	39	41
	Vertical NC		<15	<15	<15	<15	18	23	25	26	27	29

**SERIES XG-6600 PERFORMANCE DATA**  
**MODEL XG-6615 1 1/2" SLOT - CFM PER LINEAR FOOT**

Slots	Static Pressure	Horizontal	0.005	0.038	0.052	0.069	0.089	0.112	0.137	0.165	0.196	0.229
		Vertical	0.006	0.042	0.058	0.077	0.098	0.123	0.151	0.182	0.216	0.253
1	CFM/LF		10	25	30	35	40	45	50	55	60	65
	Horizontal Throw		1-2-6	4-10-24	6-14-27	9-19-29	11-22-31	14-23-33	18-24-35	20-26-36	22-27-38	23-28-39
	Vertical Throw		2	12	13	14	15	16	17	18	18	19
	Horizontal NC		<15	<15	<15	19	22	24	26	28	30	32
	Vertical NC		<15	<15	<15	<15	<15	<15	<15	<15	16	18
2	CFM/LF		20	50	60	70	80	90	100	110	120	130
	Horizontal Throw		1-3-10	7-16-35	10-22-38	14-26-41	19-29-44	22-33-46	25-35-49	27-36-51	29-38-54	32-39-56
	Vertical Throw		4	17	18	20	21	23	24	25	26	27
	Horizontal NC		<15	<15	<15	21	25	27	29	31	33	36
	Vertical NC		<15	<15	<15	<15	<15	15	17	19	21	23
3	CFM/LF		30	75	90	105	120	135	150	165	180	195
	Horizontal Throw		3-7-18	15-23-41	18-27-44	21-32-48	24-36-51	27-39-54	30-41-57	33-43-60	36-44-63	38-46-65
	Vertical Throw		4	21	23	24	26	28	29	31	32	33
	Horizontal NC		<15	<15	17	22	27	28	30	32	34	37
	Vertical NC		<15	<15	<15	<15	15	16	18	20	22	24
4	CFM/LF		40	100	120	140	160	180	200	220	240	260
	Horizontal Throw		4-10-24	20-30-47	24-36-51	28-39-55	32-42-59	36-44-63	38-47-66	40-49-70	42-51-73	44-53-76
	Vertical Throw		5	24	26	28	30	32	34	35	37	38
	Horizontal NC		<15	15	19	24	29	30	32	34	36	39
	Vertical NC		<15	<15	<15	<15	17	18	20	22	24	26



**SERIES XG-6600R PERFORMANCE DATA**  
**MODEL XG-6650R 1/2" SLOT WIDTH**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/ft.	15	20	25	30	35	40
	NC	-	20	27	32	37	41
2	CFM/ft.	35	50	60	70	80	95
	NC	-	22	27	32	37	41
3	CFM/ft.	55	80	95	110	125	150
	NC	-	23	28	33	37	42
4	CFM/ft.	70	100	120	140	155	190
	NC	-	24	30	34	37	44
5	CFM/ft.	90	135	155	180	200	245
	NC	-	25	30	34	37	44
6	CFM/ft.	110	155	195	220	245	300
	NC	-	26	33	37	40	96
7	CFM/ft.	130	185	225	260	290	365
	NC	-	27	33	37	41	47
8	CFM/ft.	140	200	245	280	310	385
	NC	-	28	34	38	42	48

**SERIES XG-6600R PERFORMANCE DATA**  
**MODEL XG-6675R 3/4" SLOT WIDTH**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/ft.	25	35	45	50	55	70
	NC	-	21	29	32	35	42
2	CFM/ft.	55	80	90	100	110	135
	NC	-	25	29	32	35	42
3	CFM/ft.	90	115	140	160	180	220
	NC	-	26	32	36	40	46
4	CFM/ft.	100	140	175	200	225	275
	NC	-	27	34	38	41	47
5	CFM/ft.	140	185	225	260	290	360
	NC	-	28	34	38	42	48
6	CFM/ft.	160	225	275	320	360	440
	NC	-	29	35	40	43	49
7	CFM/ft.	175	250	305	350	395	480
	NC	-	30	36	40	44	50
8	CFM/ft.	200	285	350	400	450	545
	NC	-	31	37	41	45	51

**SERIES XG-6600R PERFORMANCE DATA**  
**MODEL XG-6610R 1" SLOT WIDTH**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/ft.	35	50	60	70	80	95
	NC	-	25	31	36	40	45
2	CFM/ft.	70	100	125	140	155	190
	NC	-	27	33	37	41	47
3	CFM/ft.	105	150	185	210	235	285
	NC	-	29	35	39	43	49
4	CFM/ft.	140	200	250	280	310	380
	NC	-	31	37	41	45	51
5	CFM/ft.	175	250	300	350	390	475
	NC	-	32	38	42	46	52
6	CFM/ft.	210	300	375	420	465	570
	NC	-	33	40	43	47	53
7	CFM/ft.	245	350	425	490	545	665
	NC	-	34	41	44	47	54
8	CFM/ft.	280	400	475	560	620	760
	NC	-	35	42	45	48	55

**SERIES XG-6600R PERFORMANCE DATA**  
**MODEL XG-6615R 1.5" SLOT WIDTH**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/ft.	55	80	90	110	130	145
	NC	-	31	33	42	48	50
2	CFM/ft.	100	140	195	220	245	300
	NC	-	29	39	45	51	55
3	CFM/ft.	135	220	275	310	345	415
	NC	-	33	39	43	45	53
4	CFM/ft.	220	320	400	440	480	590
	NC	-	37	41	45	50	56

## PERFORMANCE NOTES FOR SERIES XG-6600

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

1. On units without UP/UI plenums, pressure drop reported is across the diffuser element only  
The field supply plenum pressure drop should be included when determining system fan requirements  
A good approximation of the static pressure requirements can be calculated by adding the velocity pressure through the plenum inlet to the diffuser section pressure drop
2. NC is based on a 4 ft. section of diffuser  
The following table should be used to calculate sound levels for lengths other than 4 ft.
3. To correct throws for lengths other than the 4 ft. lengths used in determining catalog performance, throws should be adjusted per the following table

NC Correction for Length			
Length (feet)	2	4	6
NC Correction	-2	0	2
Throw Correction Multiplier for Length			
Length (feet)	2	4	8
Throw Correction	-7	1	1.2

4. All pressures are in inches of water
5. Isothermal throws are given for terminal velocities of 150, 100 and 50fpm, based upon 4' section
6. Vertical throw values are based on a 50fpm terminal velocity
7. For Vertical supply subtract one NC
8. For Returns minus pattern controllers, deduct 12 NC
9. Throw values are based on a 1-Way discharge from the slot. For 2-Way discharge, throw is based upon the number and size of the slots throwing in each direction, with the total supply air flow split equally between all slots in the unit
10. Data was collected in accordance to ASHRAE standard 70-2006 Method of Testing for rating the performance of air outlets and inlets

# MODEL XG-6610SP



Air outlets shall be model XG-6610 (supply) or XG-6610SPR (return) linear slot diffusers manufactured by GREENHECK. Units shall be constructed of heavy gauge extruded aluminum. The units shall be the size and quantity as outline in the plans and specifications. Units shall be available with 1" slot widths.

For supply linear slot diffusers, the pattern controller shall be curved, aerodynamically shaped, capable of adjustment from the face of the diffuser. The pattern controller shall allow adjustment from vertical to horizontal patterns as well as damper the volume through the face of the diffuser. Pattern controllers shall be aluminum construction. Steel pattern controllers are not acceptable.

For return linear slot diffuser, the unit will be provided without pattern controllers to minimize pressure drop and noise. Linear slot diffusers shall be available in one-piece sections up to 6 ft. Units shall be available with one to four slots.

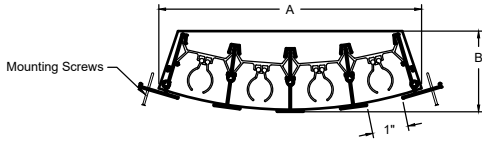
Supply units shall be furnished with the face white and the pattern controller black.

## **Performance Specification**

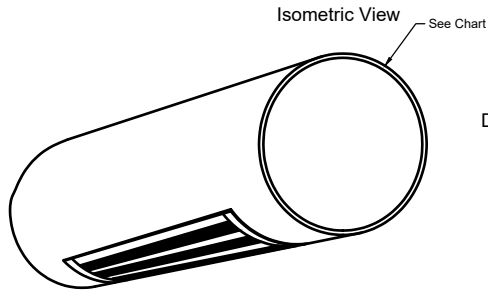
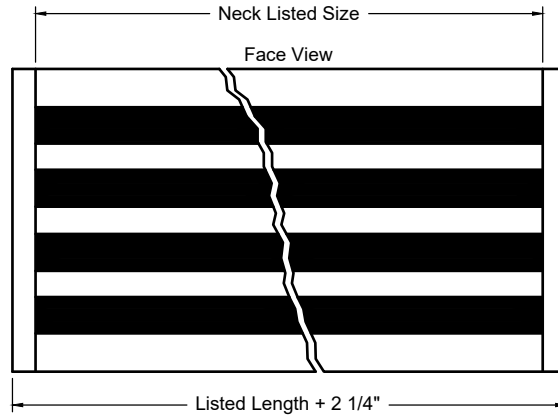
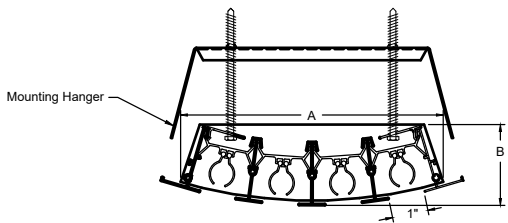
The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70- 2006.

# MODEL XG-6610SP

XG-6610SP-11-1 Supply - Adjustable Linear Slot Diffuser  
Extruded Aluminum - 1" Slot Width



XG-6610SP-12-1 Supply - Adjustable Linear Slot Diffuser  
Extruded Aluminum - 1" Slot Width



$$\text{Duct Opening Length} = \text{Listed Length} + \frac{1}{4}$$

$$\text{Duct Opening Height} = A + \frac{1}{4}$$

Pipe Diameter	Duct Cut Out Opening			
	1 Slot	2 Slots	3 Slots	4 Slots
10	2-1/2"	4-1/4"	N/A	N/A
12, 14	2-1/2"	4-1/4"	6"	N/A
16	2-1/2"	4-1/4"	6"	8"
18, 20, 22	N/A	4-1/8"	6"	7-7/8"
24, 26, 28	N/A	4-1/8"	6"	7-3/4"
30	N/A	4-1/8"	6"	7-3/4"
38	N/A	4-1/8"	6"	7-3/4"

Note: Duct Cut Out Opening = Normal Length + 1/2

**XG-6610 MODEL NUMBER SPECIFICATION**  
**MODEL XG-6610SP/XG-6610RSP**

Model #	Available Frame Styles	Pipe Diameter	Available Slots	Available Finishes	
XG-6610SP - Supply	11	10	1, 2	Standard	
XG-6610RSP - Return	12	12	1, 2, 3	20	White / Black PC
		14	1, 2, 3	Optional	
		16	1, 2, 3, 4	21	Clear Anodized / Black PC
		18	1, 2, 3, 4	28	Custom Color / Black PC
		20	1, 2, 3, 4		
		24	1, 2, 3, 4		
		30	1, 2, 3, 4		

**SERIES XG-6610SP PERFORMANCE DATA**  
**MODEL XG-6610SP 1" SLOT - CFM PER LINEAR FOOT**

Slots	Static Pressure	Horizontal Vertical	.008	.030	.047	.068	.092	.120	.152	.188	.227	.270
			.003	.012	.020	.028	.037	.040	.061	.076	.092	.109
1	CFMLF		10	20	25	30	35	40	45	50	55	60
	Horizontal Throw		1-2-6	3-6-22	4-10-24	6-14-27	9-19-29	11-22-31	14-23-33	18-24-36	20-26-36	22-27-38
	Vertical Throw		2	10	12	13	14	15	16	17	18	18
	Horizontal NC		<15	<15	<15	<15	19	22	24	26	28	30
	Vertical NC		<15	<15	<15	<15	<15	<15	<15	<15	16	18
2	CFMLF		20	40	50	60	70	80	90	100	110	120
	Horizontal Throw		1-3-10	5-10-29	7-16-35	10-22-38	14-26-41	19-29-44	22-33-46	25-35-49	27-36-51	29-38-54
	Vertical Throw		4	14	17	18	20	21	23	24	25	26
	Horizontal NC		<15	<15	<15	<15	21	25	27	29	31	33
	Vertical NC		<15	<15	<15	<15	<15	<15	15	17	19	21
3	CFMLF		30	60	75	90	105	120	135	150	165	180
	Horizontal Throw		3-7-18	12-18-36	15-23-41	18-27-44	21-32-48	24-26-51	27-39-54	30-41-57	33-43-60	36-44-63
	Vertical Throw		4	17	21	23	24	26	28	29	31	32
	Horizontal NC		<15	<15	<15	17	22	27	28	30	32	34
	Vertical NC		<15	<15	<15	<15	<15	15	16	18	20	22
4	CFMLF		40	80	100	120	140	160	180	200	220	240
	Horizontal Throw		4-10-24	16-24-42	20-30-47	24-36-51	28-39-55	32-42-59	36-44-63	38-47-66	40-49-70	42-51-73
	Vertical Throw		5	20	24	26	28	30	32	34	35	37
	Horizontal NC		<15	<15	15	19	24	29	30	32	34	36
	Vertical NC		<15	<15	<15	<15	<15	17	18	20	22	24

**SERIES XG-6610R PERFORMANCE DATA**  
**MODEL XG-6610RSP 1" SLOT WIDTH**

Number of Slots	Inches of Water	Negative Ps					
		.020	.040	.060	.080	.100	.150
1	CFM/ft.	35	50	60	70	80	95
	NC	-	25	31	36	40	45
2	CFM/ft.	70	100	125	140	155	190
	NC	-	27	33	37	41	47
3	CFM/ft.	105	150	185	210	235	285
	NC	-	29	35	39	43	49
4	CFM/ft.	140	200	250	280	310	380
	NC	-	31	37	41	45	51

## PERFORMANCE NOTES FOR SERIES XG-6610

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

- On units without BP/BPI plenums, pressure drop reported is across the diffuser element only  
The field supply plenum pressure drop should be included when determining system fan requirements  
A good approximation of the static pressure requirements can be calculated by adding the velocity pressure through the plenum inlet to the diffuser section pressure drop
- NC is based on a 4 ft. section of diffuser  
The following table should be used to calculate sound levels for lengths other than 4 ft.
- To correct throws for lengths other than the 4 ft. lengths used in determining catalog performance, throws should be adjusted per the following table

NC Correction for Length			
Length (feet)	2	4	6
NC Correction	-2	0	2
Throw Correction Multiplier for Length			
Length (feet)	2	4	8
Throw Correction	-7	1	1.2

- All pressures are in inches of water
- Isothermal throws are given for terminal velocities of 150, 100 and 50fpm, based upon 4' section
- Vertical throw values are based on a 50fpm terminal velocity
- For Vertical supply subtract one NC
- For Returns minus pattern controllers, deduct 12 NC
- Throw values are based on a 1-Way discharge from the slot. For 2-Way discharge, throw is based upon the number and size of the slots throwing in each direction, with the total supply air flow split equally between all slots in the unit
- Data was collected in accordance to ASHRAE standard 70-2006 Method of Testing for rating the performance of air outlets and inlets



# MODEL XG-6600SQ

## LINEAR SLOT DIFFUSER – MODULAR – ALUMINUM – MODELS XG-6600SQ/XG-6600SQI/XG-6600SQR



Air diffusers shall be supply models XG-6600SQ (non-insulated) and XG-6600SQI (insulated) or return model XG-6600SQR manufactured by Greenheck. Units shall be constructed of heavy gauge extruded aluminum. Diffusers shall have 1-4 slots with 1/2", 3/4" or 1" slot widths and 1 1/2" slot widths available with 1 or 2 slots. The units shall be the size and quantity as outlined in the plans and specifications.

The supply units shall be square face ceiling diffusers and shall have a factory installed backpan. The backpan must be of sufficient height to allow the center tile (by the ceiling system manufacturer) to be installed from the diffuser face without disassembling the face from the backpan. Devices without back pan attached to the diffuser face will not be allowed. The pattern controllers shall be curved aerodynamically shaped, capable of adjustment from the face of the diffuser. The pattern controllers shall allow adjustment from vertical to horizontal patterns as well as damper the volume through the face of the diffuser. Pattern controllers shall be aluminum construction. Steel pattern controllers are not acceptable.

The return units shall be square face ceiling diffusers and shall have a factory attached light shield. The light shield must be of sufficient height to allow center tile (by the ceiling system manufacturer) to be installed from the diffuser face without disassembling the face from the light shield. Devices without light shield attached to the diffuser face will not be allowed. The face shall be designed to match the appearance of the supply unit.

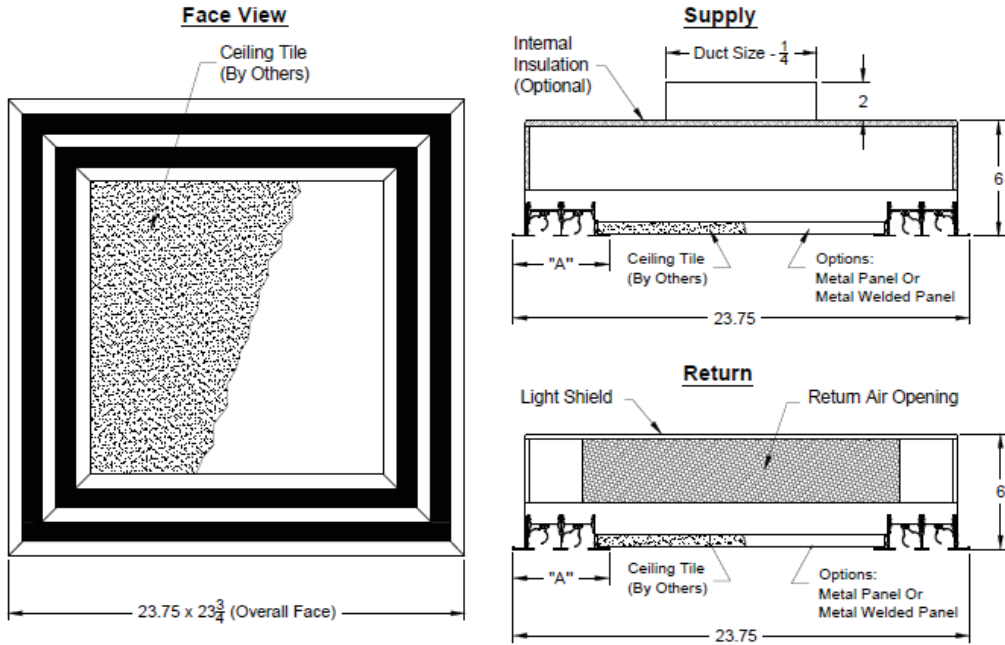
### Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006.

### Paint Specification

Process shall be anodic electro-deposition using an anodic acrylic paint. Units shall undergo pre-treatment including a pressurized spray stage using an alkaline cleaner and a de-ionized water rinse.

# MODEL XG-6600SQ



Model	Slot	1 Slot	2 Slot	3 Slot	4 Slot
	Width	A	A	A	A
XG-6650SQ-6	1/2	2 3/4	4	5 1/4	6 1/2
XG-6675SQ-6	3/4	3	4 1/2	6	7 1/2
XG-6610SQ-6	1	3 1/4	5	6 3/4	8 1/2
XG-6615SQ-6	1 1/2	3 3/4	6	N/A	N/A

**SERIES XG-6600SQ MODEL NUMBER SPECIFICATION**  
**SUPPLY - MODULAR SLOT ARCHITECTURAL DIFFUSER**  
**MODEL XG-6600SQ**

Model		Slot Width	# of Slots	Inlet Size	Module
XG-6600SQ-6	T-bar Lay-in	1/2	1	6	24 x 24
XG-6600SQI-6	T-bar Lay-in Insulated	3/4	2	8	
XG-6600SQ-8	Tegular T-bar	1	3	10	
XG-6600SQI-8	Tegular T-bar Insulated		4	12	
XG-6600SQ-9	Donn Finline	1 1/2	1	14	
XG-6600SQI-9	Donn Finline Insulated		2		

Available Finishes		Available Accessories	
Standard		XG-D3	Aluminum Radial Opposed Blade Damper
20	White Face w/ Black PC	XG-G3	Equalizing Grid
Optional		XG-BDS	Butterfly Damper
21	Clear Anodized Face w/ Black PC	XG-RSD	Radial Shutter Damper
28	Custom Color	XG-TBPF	T-Bar Plaster Frame

**RETURN MODULAR SLOT ARCHITECTURAL DIFFUSER**  
**MODEL XG-6600SQR**

Model	Slot Width	# Slots	Module	Available Finishes	
XG-6600SQR-6	T-bar Lay-in	1	24 x 24	Standard	
XG-6600SQR-8	Tegular T-bar	2		20	White Face
XG-6600SQR-9	Donn Finline	3		Optional	
		4		21	Clear Anodized Face
		1		28	Custom Color
	1 1/2	2			

**SERIES XG-6600SQ PERFORMANCE DATA**  
**MODEL XG-6600SQ 1" SLOT WIDTH**

1 Slot 8" Inlet	CFM	100	150	200	250	300	350
	Throw	3-5-10	5-7-13	6-9-15	8-12-18	9-14-20	11-16-22
	Pt	0.023	0.046	0.080	0.122	0.172	0.228
	Ps	0.017	0.034	0.059	0.090	0.125	0.165
	NC	-	-	27	30	38	44
2 Slot 10" Inlet	CFM	150	200	250	330	350	400
	Throw	2-4-10	3-6-12	5-8-15	7-10-17	8-13-21	8-15-24
	Pt	0.030	0.050	0.074	0.103	0.137	0.169
	Ps	0.025	0.041	0.061	0.084	0.110	0.135
	NC	-	-	22	28	35	39
3 Slot 12" Inlet	CFM	200	250	300	350	400	450
	Throw	4-5-10	5-7-13	6-8-16	7-9-19	8-11-21	9-13-23
	Pt	0.028	0.042	0.055	0.074	0.090	0.117
	Ps	0.023	0.035	0.046	0.061	0.074	0.094
	NC	-	-	20	25	29	34
4 Slot 8" Inlet	CFM	250	300	350	400	450	500
	Throw	4-5-10	5-7-13	6-8-15	7-10-19	7-11-20	8-12-22
	Pt	0.034	0.048	0.059	0.071	0.091	0.107
	Ps	0.027	0.038	0.045	0.55	0.68	0.081
	NC	-	20	23	27	30	33

**SERIES XG-6600SQ PERFORMANCE DATA**  
**MODEL XG-6600SQ 3/4" SLOT WIDTH**

1 Slot 6" Inlet	CFM	50	100	150	200	250	300
	Throw	2-3-5	3-5-9	4-8-13	6-10-16	8-12-18	10-15-20
	Pt	0.013	0.039	0.083	0.145	0.219	0.319
	Ps	0.011	0.033	0.071	0.125	0.187	0.272
	NC	-	-	20	28	32	39
2 Slot 10" Inlet	CFM	100	150	200	250	300	350
	Throw	2-4-7	3-6-10	5-8-13	6-10-16	7-12-18	8-14-20
	Pt	0.015	0.033	0.068	0.087	0.124	0.172
	Ps	0.013	0.026	0.049	0.074	0.105	0.145
	NC	-	-	20	24	26	31
3 Slot 10" Inlet	CFM	150	200	250	300	350	400
	Throw	3-4-9	4-5-12	5-7-15	6-9-17	7-11-19	8-13-22
	Pt	0.023	0.040	0.051	0.078	0.117	0.149
	Ps	0.018	0.031	0.048	0.059	0.090	0.115
	NC	-	-	22	25	28	32
4 Slot 12" Inlet	CFM	200	250	300	350	400	450
	Throw	3-4-8	4-5-11	6-9-15	7-10-18	8-11-20	8-13-22
	Pt	0.025	0.038	0.064	0.075	0.092	0.117
	Ps	0.021	0.031	0.044	0.062	0.075	0.094
	NC	-	-	-	22	25	28

**SERIES XG-6600SQ PERFORMANCE DATA**  
**MODEL XG-6600SQ 1/2" SLOT WIDTH**

1 Slot 6" Inlet	CFM	50	100	150	175	200	225
	Throw	4-6-8	6-10-15	8-13-19	12-17-22	15-20-29	18-24-35
	Pt	0.028	0.102	0.227	0.302	0.37	0.42
	Ps	0.023	0.086	0.19	0.251	0.305	0.42
	NC	-	27	35	41	48	52
2 Slot 8" Inlet	CFM	75	125	150	200	250	275
	Throw	3-5-7	4-7-10	5-8-12	7-10-15	9-3-19	11-18-22
	Pt	0.034	0.059	0.122	0.021	0.312	0.39
	Ps	0.03	0.051	0.11	0.18	0.28	0.35
	NC	-	-	24	29	38	45
3 Slot 8" Inlet	CFM	100	150	200	225	250	300
	Throw	2-4-5	3-6-7	5-8-11	6-9-13	7-10-15	9-12-18
	Pt	0.042	0.088	0.146	0.187	0.222	0.312
	Ps	0.036	0.076	0.125	0.16	0.19	0.265
	NC	-	-	21	27	35	43
4 Slot 10" Inlet	CFM	150	200	250	275	300	350
	Throw	3-5-6	5-7-8	7-10-12	8-11-14	9-13-17	11-15-21
	Pt	0.061	0.103	0.153	0.191	0.209	0.282
	Ps	0.056	0.094	0.14	0.175	0.19	0.255
	NC	-	22	28	32	37	40

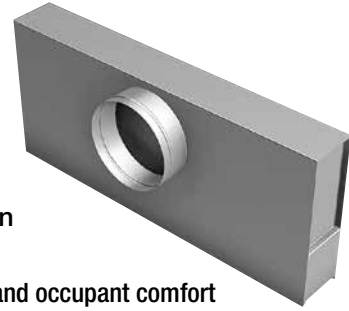
**PERFORMANCE NOTES FOR SERIES XG-6600SQ**

All data is tested in accordance with ANSI/ASHRAE 70-2006.

**DEFINITION OF UNITS**

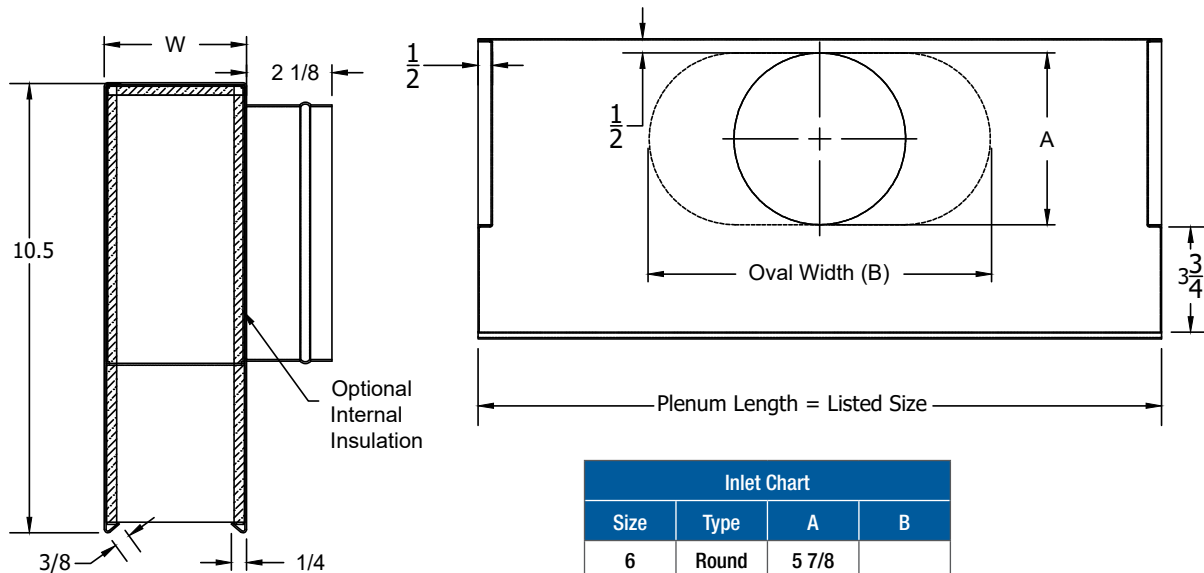
CFM	Cubic Feet per Minute (air)
Horizontal throw	Throw distance in feet at terminal velocities of 150, 100 and 50fpm.
NC	Noise criterion, sound pressure level. NC ratings are based on sound power level (Lw) re: 10 <sup>-12</sup> watts minus a 10 dB room attenuation in all octave bands
Ps	Static pressure = Pt-Pv (inches of water column)
Pt	Total pressure (inches of water column)
Pv	Velocity pressure (inches of water column)
fpm	Velocity of air stream in Feet per Minute

# MODEL UP-XG-6600



Model UP-XG-6600 Boot Plenum is an easily installed, economical accessory to the XG-6600 Linear Slot Diffuser. UP-XG-6600 Boot Plenums are designed to connect the series XG-6600 to the ducted supply or return. Factory supplied units reduce both job site fabrication and installation labor.

- Units provide an even distribution of air into the diffuser to maximize inductions and occupant comfort
- Available widths to fit XG-6600 with 1 to 8 slots
- Standard lengths are 24", 36", 48", 60" and 72"
- UPI-XG-6600 is fully insulated including the end caps. Optional Thermopure insulation is available. External insulation also available
- Available with optional LQ, locking quadrant damper, ID, inlet damper, XG-FODR, face operated damper, or XG-ROD, remote operated damper
- UP-XG-6600 is shipped separately from the XG-6600 linear slot diffuser and requires field attachment



Inlet Chart			
Size	Type	A	B
6	Round	5 7/8	
8	Oval	5 7/8	8 15/16
10	Oval	5 7/8	12 1/16
12	Oval	5 7/8	15 1/4
14	Oval	5 7/8	18 7/16

Model XG-6650	20-6 22-6	30-3 32-6	40-7/42-7 40-8/42-8 40-9/42-9	50-152-1 12-1/11-1 10-6/12-6
Number of Slots	DIM W (I.D. Width)	DIM W (I.D. Width)	DIM W (I.D. Width)	DIM W (I.D. Width)
1	2 3/16	2 1/2	2 1/16	2 1/4
2	3 5/16	3 5/8	3 5/16	3 1/2
3	4 11/16	4 1/2	4 9/16	4 3/4
4	5 7/8	6 3/16	5 13/16	6
5	7 1/16	8 3/8	7 1/16	7 1/4
6	8 5/8	8 7/8	8 5/16	8 7/16
7	9 15/16	10 1/4	9 5/8	9 3/4
8	13 13/16	11 1/8	11 1/8	11

Model XG-6675	20-6 22-6	30-3 32-6	40-7/42-7 40-8/42-8 40-9/42-9	50-152-1 12-1/11-1 10-6/12-6
Number of Slots	DIM W (I.D. Width)	DIM W (I.D. Width)	DIM W (I.D. Width)	DIM W (I.D. Width)
1	2 5/16	2 3/4	2 5/16	2 1/2
2	3 13/16	4 3/16	3 13/16	4
3	5 1/2	5 3/4	5 1/16	5 1/2
4	7 1/8	7 1/4	6 13/16	7
5	8 5/16	8 5/8	8 3/16	8 1/2
6	9 13/16	10 1/8	9 13/16	13 13/16
7	11 5/16	11 5/8	11 5/16	11 7/16
8	12 3/4	13 1/16	12 7/8	13

Model XG-6610	20-6 22-6	30-3 32-6	40-7/42-7 40-8/42-8 40-9/42-9	50-152-1 12-1/11-1 10-6/12-6
Number of Slots	DIM W (I.D. Width)	DIM W (I.D. Width)	DIM W (I.D. Width)	DIM W (I.D. Width)
1	2 5/8	2 15/16	2 9/16	2 3/4
2	4 7/16	4 3/4	3 3/8	4 1/2
3	6 1/8	6 1/2	6 1/16	6 1/8
4	7 7/8	8 3/16	7 13/16	8
5	9 3/4	10 1/16	9 5/8	9 11/16
6	1 3/8	11 3/4	11 3/8	11 1/2
7	14 1/4	13 9/16	13 1/8	13 13/16
8	15	15 1/4	14 7/8	14 15/16

Frame Styles							
Length = L =Listed Size ± Linear End Types							
Description	UP/UIP	Border Size	2 EB	1 EB	No Ends	2 EC	1 EC
T-Bar Lay-in	10 - 6	1 - 1/8	-2 1/2	-1 3/8	±0	- 3/16	-7/8
Screw Mount	11 - 1	Not Recommended For This Frame Style					
Concealed Mount	12 - 1	1 - 1/8	±0	±0	±0	NR**	NR**
T-Bar Lay-in	20 - 6	3/4	-1 3/4	-1	±0	NR**	NR**
T-Bar Lay-in	30 - 6	1/2	-1 1/4	-3/4	±0	NR**	NR**
Concealed Spline	40 - 7	22/32	-7/8	-9/16	±0	NR**	NR**
Drop Face	40 - 8	22/32	-7/8	-9/16	±0	NR**	NR**
Bolt Slot	40 - 9	22/32	-7/8	-9/16	±0	NR**	NR**
Sub Plaster Frame	22 - 73	3/4	-1 3/8	-1	±0	NR**	NR**
Sub Plaster/Wall Frames	22 - 74	3/4	-1 3/8	-1	±0	NR**	NR**
Sub Wall Frames	22 - 75	3/4	-1 3/8	-1	±0	NR**	NR**

Note: \*\* Not Recommended End Type For This Style



## UP-XG-6600 MODEL NUMBER SPECIFICATION

### MODEL UP-XG-6600

Mounting Styles	Border Width	T-bar Lay-in	Surface Mount	Concealed Spline	Drop Face	Narrow Tee	Mud Flange		
Screw Mounted	1 1/8		UP-XG-6600-11-1						
Concealed Mtg Hardware	1 1/8	UP-XG-6600-12-6	UP-XG-6600-12-1						
	3/4	UP-XG-6600-22-6							
	1/2	UP-XG-6600-32-6							
	25/32		UP-XG-6600-42-7					UP-XG-6600-42-8	UP-XG-6600-42-9
	1-13/16								
No Mtg. Hardware	1 1/8	UP-XG-6600-10-6							
	3/4	UP-XG-6600-20-6							
	1/2	UP-XG-6600-30-6							
	25/32		UP-XG-6600-40-7					UP-XG-6600-40-8	UP-XG-6600-40-9
	1-13/16								

Concealed Spline	Concealed Wall Mtg	Plaster Concealed Wall Mounting
Plaster Mtg Frame	Spline Plaster Mtg Frame	Wall Mtg Frame
3/4" Border UP-XG-6600-22-73	3/4" Border UP-XG-6600-22-74	3/4" Border UP-XG-6600-22-75

## UP-XG-6600 MODEL NUMBER SPECIFICATION

### MODEL UPI-XG-6600

Mounting Styles	Border Width	T-bar Lay-in	Surface Mount	Concealed Spline	Drop Face	Narrow Tee	Mud Flange		
Screw Mounted	1 1/8"		UPI-XG-6600-11-1						
Concealed Mtg Hardware	1 1/8"	UPI-XG-6600-12-6	UPI-XG-6600-12-1						
	3/4"	UPI-XG-6600-22-6							
	1/2"	UPI-XG-6600-32-6							
	25/32"		UPI-XG-6600-42-7					UPI-XG-6600-42-8	UPI-XG-6600-42-9
	1-13/16								
No Mtg Hardware	1 1/8"	UPI-XG-6600-10-6							
	3/4"	UPI-XG-6600-20-6							
	1/2"	UPI-XG-6600-30-6							
	25/32"		UPI-XG-6600-40-7					UPI-XG-6600-40-8	UPI-XG-6600-40-9
	1-13/16								

Concealed Spline	Concealed Wall Mtg	Plaster Concealed Wall Mounting
Plaster Mtg Frame	Spline Plaster Mtg Frame	Wall Mtg Frame
3/4" Border UPI-XG-6600-22-73	3/4" Border UPI-XG-6600-22-74	3/4" Border UPI-XG-6600-22-75

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6650 – 1 SLOT**

6" Inlet	2' Length	CFM	15	30	45	60	75	90	105
		Static Pressure	.010	.038	.086	.153	.240	.345	.470
		Horizontal Throw	1-3-9	6-9-18	9-13-23	12-18-27	15-21-30	18-23-33	20-25-35
		NC	<15	20	28	35	41	45	47
	4' Length	CFM	30	60	90	120	150	180	210
		Static Pressure	.016	.063	.142	.252	.394	.567	.772
		Horizontal Throw	2-4-7	5-7-15	7-11-21	10-15-24	12-18-27	15-21-30	17-23-32
		NC	<15	24	34	41	45	46	49
8" Inlet	2' Length	CFM	20	35	50	65	80	95	110
		Static Pressure	.018	.054	.110	.185	.281	.396	.531
		Horizontal Throw	3-6-12	7-10-20	10-15-24	13-19-28	16-22-31	19-24-34	21-26-36
		NC	<15	18	27	33	38	42	44
	4' Length	CFM	40	70	100	130	160	190	220
		Static Pressure	.018	.056	.115	.194	.294	.415	.556
		Horizontal Throw	3-5-10	6-9-17	8-12-22	11-16-25	13-20-28	16-22-31	18-23-33
		NC	<15	24	33	39	43	45	45
10" Inlet	2' Length	CFM	30	45	60	75	90	105	120
		Static Pressure	.056	.126	.225	.351	.505	.688	.899
		Horizontal Throw	6-9-18	9-13-23	12-18-27	15-21-30	18-23-33	20-25-35	22-27-38
		NC	<15	22	29	34	39	42	43
	4' Length	CFM	60	90	120	150	180	210	240
		Static Pressure	.036	.082	.146	.227	.328	.446	.582
		Horizontal Throw	5-7-15	7-11-21	10-15-22	12-18-27	15-21-30	17-23-32	20-24-35
		NC	19	27	34	40	45	48	51
12" Inlet	2' Length	CFM	45	60	75	90	105	120	135
		Static Pressure	.047	.083	.129	.186	.254	.331	.419
		Horizontal Throw	9-13-23	12-18-27	15-21-30	18-23-33	20-25-35	22-27-38	23-28-40
		NC	24	28	32	35	39	42	45
	4' Length	CFM	90	120	150	180	210	240	270
		Static Pressure	.098	.175	.273	.393	.535	.699	.884
		Horizontal Throw	7-11-21	10-15-24	12-18-27	15-21-30	17-23-32	20-24-35	21-26-37
		NC	23	30	36	41	45	48	51

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6650 – 2 SLOT**

6" Inlet	2' Length	CFM	20	40	60	80	100	120	140
		Static Pressure	.007	.028	.064	.114	.178	.256	.349
		Horizontal Throw	1-2-8	4-8-17	8-12-25	11-17-31	14-21-35	17-25-38	12-29-41
		NC	<15	15	25	32	38	43	46
	4' Length	CFM	30	60	90	120	150	180	210
		Static Pressure	.010	.041	.093	.166	.259	.373	.507
		Horizontal Throw	1-2-5	3-5-10	5-8-16	7-10-21	9-13-26	10-16-30	12-18-32
		NC	<15	<15	24	32	37	41	43
8" Inlet	2' Length	CFM	25	45	65	85	105	125	145
		Static Pressure	.007	.023	.049	.084	.128	.181	.244
		Horizontal Throw	1-3-10	5-9-19	9-14-27	12-18-32	15-22-35	17-26-39	20-29-42
		NC	<15	<15	23	29	35	39	43
	4' Length	CFM	50	90	130	170	210	250	290
		Static Pressure	.014	.045	.094	.161	.245	.348	.468
		Horizontal Throw	3-4-9	5-8-16	8-11-23	10-15-29	12-18-32	14-22-35	17-25-38
		NC	<15	20	29	36	41	45	46
10" Inlet	2' Length	CFM	35	55	75	95	115	135	156
		Static Pressure	.013	.032	.059	.095	.139	.191	.252
		Horizontal Throw	3-6-15	7-11-23	10-16-30	13-20-34	16-24-37	19-28-40	21-30-43
		NC	<15	17	23	29	34	38	41
	4' Length	CFM	70	110	150	190	230	270	310
		Static Pressure	.019	.047	.088	.142	.207	.286	.377
		Horizontal Throw	4-6-12	6-10-19	9-13-26	11-16-31	13-20-34	16-23-27	18-27-39
		NC	<15	21	29	35	40	43	45
12" Inlet	2' Length	CFM	50	70	90	110	130	150	170
		Static Pressure	.024	.047	.078	.117	.163	.217	.279
		Horizontal Throw	6-10-21	10-15-29	12-19-33	15-23-36	18-27-39	21-30-42	24-32-45
		NC	<15		17	21	24	28	31
	4' Length	CFM	100	140	180	220	260	300	340
		Static Pressure	.027	.053	.087	.130	.181	.241	.310
		Horizontal Throw	5-9-17	8-12-24	10-16-30	13-19-33	15-23-36	17-26-39	20-29-41
		NC	16	23	29	34	38	41	43

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6650 — 3 SLOT**

6" Inlet	2' Length	CFM	25	50	75	100	125	150	175
		Static Pressure	.008	.033	.073	.130	.203	.293	.398
		Horizontal Throw	1-2-7	3-7-17	7-13-25	11-17-34	14-21-39	17-25-42	20-30-46
		NC	<15	15	24	31	36	40	43
	4' Length	CFM	40	75	115	150	190	225	265
		Static Pressure	.015	.054	.127	.216	.347	.486	.674
		Horizontal Throw	1-2-6	4-5-11	5-8-16	7-11-21	8-13-27	11-16-32	12-19-36
		NC	<15	<15	23	29	36	40	44
8" Inlet	2' Length	CFM	35	55	80	105	130	155	180
		Static Pressure	.009	.022	.046	.079	.122	.173	.233
		Horizontal Throw	2-3-12	4-9-19	8-14-27	12-18-35	15-22-39	18-26-43	20-31-46
		NC	<15	<15	21	28	33	37	41
	4' Length	CFM	70	110	160	210	260	310	360
		Static Pressure	.021	.052	.109	.188	.289	.410	.553
		Horizontal Throw	3-5-10	5-8-16	8-11-23	10-15-30	12-18-36	15-22-39	17-25-42
		NC	<15	18	27	34	39	44	47
10" Inlet	2' Length	CFM	45	65	90	115	140	165	190
		Static Pressure	.011	.023	.044	.072	.106	.147	.195
		Horizontal Throw	3-6-15	5-11-22	10-15-31	13-20-37	16-24-41	19-28-44	21-32-48
		NC	<15	<15	21	27	32	36	39
	4' Length	CFM	90	130	180	230	280	330	380
		Static Pressure	.023	.048	.091	.149	.221	.307	.407
		Horizontal Throw	4-6-13	6-9-18	8-13-25	11-16-33	13-20-36	16-23-39	18-27-42
		NC	<15	20	27	33	38	42	45
12" Inlet	2' Length	CFM	65	85	110	135	160	185	210
		Static Pressure	.022	.038	.063	.095	.133	.178	.229
		Horizontal Throw	5-11-22	9-14-29	12-19-36	15-23-40	18-27-44	21-31-47	24-35-50
		NC	<15	16	20	23	26	29	32
	4' Length	CFM	130	170	220	270	320	370	420
		Static Pressure	.027	.046	.077	.117	.164	.219	.282
		Horizontal Throw	6-9-18	8-12-24	10-16-31	13-19-37	15-23-40	17-26-43	20-30-46
		NC	17	22	27	33	37	41	44

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6650 – 4 SLOT**

6" Inlet	2' Length	CFM	40	65	90	115	140	165	190
		Static Pressure	.018	.047	.090	.147	.218	.302	.401
		Horizontal Throw	1-3-12	3-8-19	7-13-26	11-17-34	14-21-41	16-24-44	19-28-48
		NC	<15	16	24	30	36	39	42
	4' Length	CFM	60	100	<15	175	210	250	285
		Static Pressure	.031	.087	.159	.267	.385	.546	.709
		Horizontal Throw	1-3-7	4-6-12	6-8-17	7-11-21	9-13-26	10-15-31	12-17-35
		NC	<15	16	24	31	35	37	37
8" Inlet	2' Length	CFM	50	80	110	140	170	200	230
		Static Pressure	.014	.036	.069	.112	.164	.228	.301
		Horizontal Throw	2-5-15	5-12-24	10-16-32	14-21-41	17-25-45	20-29-49	23-34-53
		NC	<15	17	24	30	35	39	42
	4' Length	CFM	75	120	165	210	255	300	345
		Static Pressure	.022	.056	.107	.173	.255	.353	.467
		Horizontal Throw	2-5-9	5-7-15	7-10-20	9-13-26	10-16-31	12-18-37	14-21-42
		NC	<15	16	23	29	34	38	40
10" Inlet	2' Length	CFM	60	90	120	150	180	210	240
		Static Pressure	.014	.032	.056	.088	.127	.173	.226
		Horizontal Throw	3-7-18	7-13-26	12-18-35	15-22-42	18-26-46	21-31-50	24-35-54
		NC	<15	17	23	29	33	37	41
	4' Length	CFM	95	135	180	225	270	315	360
		Static Pressure	.021	.043	.077	.120	.174	.236	.308
		Horizontal Throw	4-6-12	6-8-17	7-11-22	9-14-28	11-17-33	13-19-38	15-22-41
		NC	<15	16	23	28	33	36	39
12" Inlet	2' Length	CFM	80	120	160	200	240	280	320
		Static Pressure	.018	.041	.073	.114	.164	.223	.292
		Horizontal Throw	5-12-24	12-18-35	16-24-44	20-29-49	24-35-54	27-41-58	31-44-62
		NC	<15	<15	20	24	28	32	35
	4' Length	CFM	120	180	240	300	360	420	480
		Static Pressure	.018	.040	.071	.111	.159	.217	.283
		Horizontal Throw	5-7-15	7-11-22	10-15-29	12-18-37	15-22-42	17-26-46	20-29-49
		NC	<15	19	25	31	35	39	42

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6675 — 1 SLOT**

6" Inlet	2' Length	CFM	20	35	50	65	80	95	110
		Static Pressure	.014	.043	.088	.148	.224	.316	.424
		Horizontal Throw	1-3-10	4-8-17	8-12-24	10-16-28	13-19-31	15-23-34	10-26-36
		NC	<15	18	26	32	37	41	45
	4' Length	CFM	30	55	75	97.5	120	145	165
		Static Pressure	.009	.026	.054	.091	.137	.194	.259
		Horizontal Throw	2-3-6	4-5-11	5-8-15	7-10-20	8-12-24	10-14-27	11-17-29
		NC	<15	18	25	30	36	40	44
8" Inlet	2' Length	CFM	25	40	55	70	85	100	115
		Static Pressure	.036	.093	.175	.284	.419	.580	.767
		Horizontal Throw	2-5-12	6-10-19	9-13-26	11-17-29	14-20-32	16-24-35	18-26-37
		NC	<15	17	24	30	35	39	41
	4' Length	CFM	40	60	85	105	130	150	175
		Static Pressure	.014	.032	.065	.099	.152	.202	.275
		Horizontal Throw	3-4-8	4-6-12	6-9-17	7-11-21	9-13-25	10-15-27	12-18-30
		NC	<15	17	24	29	34	38	42
10" Inlet	2' Length	CFM	35	45	55	65	75	85	95
		Static Pressure	.085	.140	.210	.293	.390	.501	.625
		Horizontal Throw	4-8-17	7-11-22	9-13-26	10-16-28	12-18-30	14-20-32	15-23-34
		NC	<15	17	22	26	30	33	35
	4' Length	CFM	55	70	85	100	115	130	145
		Static Pressure	.028	.045	.066	.092	.122	.155	.193
		Horizontal Throw	4-6-11	5-7-14	6-9-17	7-10-20	8-12-23	9-13-25	10-15-27
		NC	<15	17	21	25	28	31	34
12" Inlet	2' Length	CFM	50	65	80	95	110	125	140
		Static Pressure	.045	.076	.115	.162	.218	.281	.353
		Horizontal Throw	8-12-24	10-16-28	13-19-31	15-23-34	18-26-36	20-27-39	22-29-41
		NC	<15	<15	19	23	26	29	32
	4' Length	CFM	75	100	120	145	165	190	210
		Static Pressure	.104	.184	.265	.387	.501	.664	.811
		Horizontal Throw	5-8-15	7-10-20	8-12-24	10-15-27	11-17-29	13-19-31	14-21-32
		NC	<15	21	25	30	33	35	37

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6675 – 2 SLOT**

6" Inlet	2' Length	CFM	30	55	80	105	130	155	180
		Static Pressure	.009	.029	.061	.105	.161	.228	.308
		Horizontal Throw	1-3-10	4-9-19	8-14-27	12-18-35	15-22-39	18-26-43	20-31-46
		NC	<15	18	27	33	39	42	44
	4' Length	CFM	45	85	120	160	195	235	270
		Static Pressure	.009	.033	.065	.116	.172	.250	.330
		Horizontal Throw	1-3-6	4-6-12	6-8-17	8-11-23	9-14-28	11-17-33	13-19-37
		NC	<15	18	25	33	37	41	43
8" Inlet	2' Length	CFM	45	65	85	105	125	145	165
		Static Pressure	.007	.023	.049	.084	.128	.181	.244
		Horizontal Throw	1-3-10	5-9-19	9-14-27	12-18-32	15-22-35	17-26-39	20-29-42
		NC	<15	<15	23	29	35	39	43
	4' Length	CFM	70	100	130	160	190	220	250
		Static Pressure	.014	.028	.047	.071	.100	.135	.174
		Horizontal Throw	3-5-10	5-7-14	6-9-18	8-11-23	9-13-27	10-16-31	12-18-35
		NC	<15	17	23	28	33	37	39
10" Inlet	2' Length	CFM	50	70	90	110	130	150	170
		Static Pressure	.023	.045	.074	.111	.155	.207	.265
		Horizontal Throw	3-7-17	6-12-24	10-15-31	12-19-36	15-22-39	17-25-42	19-29-45
		NC	<15	17	22	27	32	35	38
	4' Length	CFM	75	105	135	165	195	225	255
		Static Pressure	.025	.050	.082	.123	.171	.228	.293
		Horizontal Throw	4-5-11	5-7-15	6-10-19	8-12-23	9-14-28	11-16-32	12-18-36
		NC	<15	16	21	26	30	34	37
12" Inlet	2' Length	CFM	73	95	120	145	170	195	220
		Static Pressure	.021	.036	.058	.084	.116	.152	.194
		Horizontal Throw	7-12-25	11-16-32	14-20-38	16-25-42	19-29-45	22-33-48	25-36-51
		NC	<15	18	21	25	28	31	34
	4' Length	CFM	110	145	180	220	255	295	330
		Static Pressure	.025	.044	.068	.102	.137	.183	.229
		Horizontal Throw	5-8-16	7-10-21	8-13-25	10-16-31	12-18-36	14-21-38	16-23-41
		NC	<15	20	24	29	33	36	39

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6675 — 3 SLOT**

6" Inlet	2' Length	CFM	45	70	95	120	145	170	195
		Static Pressure	.012	.029	.053	.084	.122	.168	.221
		Horizontal Throw	1-3-12	3-8-19	6-13-26	10-17-33	13-20-40	16-24-45	18-27-48
		NC	<15	17	24	30	35	39	41
	4' Length	CFM	70	105	145	180	220	255	295
		Static Pressure	.017	.037	.071	.110	.165	.221	.296
		Horizontal Throw	2-4-8	4-6-12	6-8-17	7-10-21	8-13-25	10-15-29	11-17-34
		NC	<15	17	24	29	34	38	41
8" Inlet	2' Length	CFM	55	85	115	145	175	205	235
		Static Pressure	.012	.029	.054	.082	.124	.171	.224
		Horizontal Throw	2-5-15	5-11-24	9-16-32	13-20-40	16-24-46	19-28-50	22-33-53
		NC	<15	18	25	30	35	39	42
	4' Length	CFM	85	130	175	220	265	310	355
		Static Pressure	.013	.031	.057	.090	.130	.178	.233
		Horizontal Throw	2-5-10	5-8-15	7-10-20	8-13-25	10-15-31	12-18-36	14-20-41
		NC	<15	18	24	30	34	39	42
10" Inlet	2' Length	CFM	65	100	130	160	190	220	250
		Static Pressure	.015	.037	.062	.094	.132	.177	.229
		Horizontal Throw	3-7-18	7-14-28	12-18-36	15-22-44	18-26-48	20-30-51	23-35-55
		NC	<15	19	25	30	34	38	41
	4' Length	CFM	100	150	195	240	285	330	375
		Static Pressure	.018	.041	.070	.105	.149	.199	.257
		Horizontal Throw	3-6-12	6-9-17	8-11-23	9-14-28	11-16-33	13-19-38	14-22-42
		NC	<15	18	24	29	34	37	40
12" Inlet	2' Length	CFM	85	120	155	190	225	260	295
		Static Pressure	.022	.043	.072	.108	.152	.203	.261
		Horizontal Throw	5-11-24	10-17-33	14-21-43	18-26-48	21-31-52	24-36-56	27-41-59
		NC	<15	<15	18	22	26	30	33
	4' Length	CFM	130	180	235	285	340	390	445
		Static Pressure	.016	.031	.053	.078	.111	.146	.190
		Horizontal Throw	5-8-15	7-10-21	9-14-27	11-16-33	13-20-29	15-23-44	17-26-47
		NC	<15	18	24	29	33	37	39



**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6675 – 4 SLOT**

6" Inlet	2' Length	CFM	50	80	110	140	170	200	230
		Static Pressure	.011	.029	.055	.089	.131	.181	.239
		Horizontal Throw	1-3-10	3-6-19	5-12-26	9-17-34	13-20-41	16-24-48	18-28-53
		NC	<15	16	23	30	35	39	43
	4' Length	CFM	75	120	165	210	255	300	345
		Static Pressure	.016	.042	.079	.129	.190	.263	.348
		Horizontal Throw	1-3-8	3-6-12	6-8-17	7-11-21	9-13-26	10-15-30	12-17-35
		NC	<15	16	23	29	34	37	39
8" Inlet	2' Length	CFM	70	100	130	160	190	220	250
		Static Pressure	.016	.042	.079	.129	.190	.263	.348
		Horizontal Throw	1-3-8	3-6-12	6-8-17	7-11-21	9-13-26	10-15-30	12-17-35
		NC	<15	18	24	29	33	37	39
	4' Length	CFM	105	150	195	240	285	330	375
		Static Pressure	.017	.034	.057	.086	.122	.163	.211
		Horizontal Throw	2-5-11	5-8-15	7-10-20	8-12-24	10-14-29	11-17-33	13-19-38
		NC	<15	17	23	28	32	36	39
10" Inlet	2' Length	CFM	80	110	140	170	200	230	260
		Static Pressure	.014	.027	.044	.065	.090	.119	.152
		Horizontal Throw	3-6-19	5-12-26	8-1-34	13-20-41	16-24-48	18-28-53	21-31-56
		NC	<15	17	23	27	32	35	38
	4' Length	CFM	125	165	210	255	300	345	390
		Static Pressure	.017	.030	.049	.072	.099	.131	.167
		Horizontal Throw	3-6-13	6-8-17	7-11-21	9-13-26	10-15-20	12-17-35	13-20-39
		NC	<15	16	22	26	30	34	37
12" Inlet	2' Length	CFM	100	140	180	220	260	300	340
		Static Pressure	.007	.014	.023	.034	.047	.063	.081
		Horizontal Throw	4-10-24	9-17-34	14-22-43	18-26-51	21-31-56	24-36-60	27-41-64
		NC	<15	16	20	23	26	29	32
	4' Length	CFM	150	210	270	330	390	450	510
		Static Pressure	.014	.028	.046	.069	.096	.128	.164
		Horizontal Throw	5-8-15	7-11-21	9-14-27	11-17-33	13-20-39	15-23-45	17-26-50
		NC	<15	19	24	28	32	36	39

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6610—1 SLOT**

6" Inlet	2' Length	CFM	30	45	60	75	90	105	120
		Static Pressure	.013	.029	.052	.082	.117	.160	.209
		Horizontal Throw	2-5-12	5-9-19	8-12-25	10-16-30	12-19-33	15-22-35	17-25-38
		NC	16	23	30	35	40	44	46
	4' Length	CFM	45	70	90	115	135	160	180
		Static Pressure	.012	.029	.048	.078	.107	.151	.191
		Horizontal Throw	2-4-8	4-6-12	5-8-16	7-10-20	8-12-23	9-14-28	10-16-30
		NC	16	23	29	34	39	43	46
8" Inlet	2' Length	CFM	40	50	65	80	95	110	125
		Static Pressure	.032	.051	.085	.129	.182	.244	.316
		Horizontal Throw	4-8-17	6-10-21	9-14-27	11-17-31	13-20-34	15-23-36	17-26-39
		NC	17	22	28	33	38	40	42
	4' Length	CFM	60	75	100	120	145	165	190
		Static Pressure	.017	.026	.047	.068	.099	.128	.170
		Horizontal Throw	3-5-10	4-6-13	6-9-17	7-10-21	8-13-25	10-14-29	11-16-31
		NC	17	21	28	32	37	40	43
10" Inlet	2' Length	CFM	40	55	70	85	100	115	130
		Static Pressure	.044	.083	.134	.197	.273	.361	.461
		Horizontal Throw	4-8-17	7-11-23	10-15-29	12-18-32	14-21-35	16-24-37	18-27-39
		NC	16	24	30	35	38	39	39
	4' Length	CFM	60	85	105	130	150	175	195
		Static Pressure	.016	.033	.050	.076	.102	.138	.172
		Horizontal Throw	3-5-10	5-7-15	6-9-18	8-11-23	9-13-26	10-15-30	11-17-31
		NC	<15	21	26	31	35	30	41
12" Inlet	2' Length	CFM	48	65	80	95	110	125	140
		Static Pressure	.018	.033	.050	.071	.095	.123	.154
		Horizontal Throw	5-10-20	9-14-27	11-17-31	13-20-34	15-23-36	17-26-39	19-29-41
		NC	<15	<15	19	23	26	29	32
	4' Length	CFM	70	100	120	145	165	190	210
		Static Pressure	.029	.058	.084	.123	.159	.211	.258
		Horizontal Throw	4-6-12	6-9-17	7-10-21	8-13-25	10-14-29	11-16-31	12-18-32
		NC	<15	21	25	30	33	35	37

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6610— 2 SLOT**

6" Inlet	2' Length	CFM	30	55	80	105	130	155	180
		Static Pressure	.006	.020	.042	.072	.110	.156	.211
		Horizontal Throw	1-2-7	2-6-16	5-12-24	9-15-31	13-19-38	15-23-43	18-26-46
		NC	<15	18	27	33	39	42	44
	4' Length	CFM	45	85	120	160	15	235	270
		Static Pressure	.009	.031	.061	.109	.162	.235	.310
		Horizontal Throw	1-2-6	3-5-10	5-7-15	7-10-20	8-12-24	10-14-29	11-17-33
		NC	<15	18	25	33	37	41	43
8" Inlet	2' Length	CFM	45	65	85	105	125	145	165
		Static Pressure	.017	.035	.059	.090	.128	.172	.223
		Horizontal Throw	2-4-13	3-8-19	6-12-25	9-15-31	12-18-37	14-21-42	16-24-44
		NC	<15	18	24	29	33	37	40
	4' Length	CFM	70	100	130	160	190	220	250
		Static Pressure	.014	.028	.047	.071	.100	.135	.174
		Horizontal Throw	2-4-9	4-6-12	5-8-16	7-10-20	8-12-23	9-13-27	10-15-31
		NC	<15	17	23	28	33	37	39
10" Inlet	2' Length	CFM	50	70	90	110	130	150	170
		Static Pressure	.023	.045	.074	.111	.155	.207	.265
		Horizontal Throw	2-5-15	4-9-21	7-13-26	10-16-232	13-19-38	15-22-42	17-25-45
		NC	<15	17	22	27	32	35	38
	4' Length	CFM	75	105	135	165	195	225	255
		Static Pressure	.012	.024	.039	.059	.082	.109	.140
		Horizontal Throw	2-5-9	4-6-13	6-8-17	7-10-20	8-12-24	9-14-28	10-16-31
		NC	<15	16	21	26	30	34	37
12" Inlet	2' Length	CFM	60	90	120	150	180	210	240
		Static Pressure	.014	.032	.058	.090	.130	.176	.230
		Horizontal Throw	3-7-18	7-13-26	12-18-35	15-22-42	18-26-46	21-31-50	24-35-54
		NC	<15	17	21	26	29	33	36
	4' Length	CFM	90	135	180	225	270	315	360
		Static Pressure	.017	.038	.068	.106	.153	.208	.272
		Horizontal Throw	3-6-11	6-8-17	7-11-22	9-14-28	11-17-33	13-19-39	15-22-42
		NC	<15	18	24	30	34	38	41

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6610— 3 SLOT**

6" Inlet	2' Length	CFM	40	65	90	115	140	165	190
		Static Pressure	.007	.019	.036	.058	.087	.120	.160
		Horizontal Throw	1-2-6	2-4-16	4-8-22	6-13-28	9-17-34	12-20-40	15-23-46
		NC	<15	16	23	29	34	38	41
	4' Length	CFM	60	100	135	175	210	250	285
		Static Pressure	.011	.030	.055	.093	.134	.190	.247
		Horizontal Throw	1-2-6	2-5-10	4-7-44	6-9-18	7-11-21	8-13-25	10-14-29
		NC	<15	16	22	28	33	37	40
8" Inlet	2' Length	CFM	50	80	110	140	170	200	230
		Static Pressure	.010	.026	.049	.080	.117	.162	.215
		Horizontal Throw	1-3-10	3-6-19	5-12-26	9-17-34	13-20-41	16-24-48	18-28-53
		NC	<15	17	24	29	34	38	42
	4' Length	CFM	75	120	165	210	255	300	345
		Static Pressure	.008	.022	.041	.066	.098	.135	.179
		Horizontal Throw	1-3-8	3-6-12	6-8-17	7-11-21	9-13-26	10-15-30	12-17-35
		NC	<15	17	23	28	33	38	41
10" Inlet	2' Length	CFM	60	110	140	170	200	230	260
		Static Pressure	.008	.028	.045	.056	.092	.122	.155
		Horizontal Throw	2-4-14	5-12-26	9-17-34	13-20-41	16-24-48	18-28-53	21-31-56
		NC	<15	21	27	32	36	39	42
	4' Length	CFM	90	165	210	255	300	345	390
		Static Pressure	.008	.026	.042	.062	.086	.113	.145
		Horizontal Throw	2-4-9	6-8-17	7-11-21	9-13-26	10-15-30	12-17-35	13-20-39
		NC	<15	20	26	31	35	38	40
12" Inlet	2' Length	CFM	80	120	160	200	240	280	320
		Static Pressure	.010	.022	.038	.060	.086	.118	.154
		Horizontal Throw	3-6-19	6-14-29	11-19-38	16-24-48	19-29-54	22-34-58	26-38-62
		NC	<15	<15	19	23	28	31	35
	4' Length	CFM	120	180	240	300	360	420	480
		Static Pressure	.009	.021	.038	.059	.084	.115	.150
		Horizontal Throw	3-6-12	6-9-18	8-12-24	10-15-30	12-18-36	14-1-42	16-24-48
		NC	<15	18	25	30	35	38	41

**SERIES XG-6600 UP/UI PERFORMANCE DATA**  
**MODEL UP/UI-XG-6610— 4 SLOT**

6" Inlet	2' Length	CFM	50	80	110	140	170	200	230
		Static Pressure	.009	.022	.042	.069	.101	.140	.185
		Horizontal Throw	1-2-6	2-4-17	3-8-23	6-13-29	8-18-35	12-21-42	15-24-48
		NC	<15	16	23	30	35	39	43
	4' Length	CFM	75	120	165	210	255	300	345
		Static Pressure	.012	.032	.060	.098	.144	.200	.264
		Horizontal Throw	1-2-6	2-5-10	4-7-14	6-9-18	7-11-22	9-13-26	10-15-30
		NC	<15	16	23	29	34	37	39
8" Inlet	2' Length	CFM	70	100	130	160	190	220	250
		Static Pressure	.017	.035	.059	.090	.126	.169	.219
		Horizontal Throw	1-3-13	3-6-21	5-11-27	7-17-33	10-20-39	14-23-46	17-26-52
		NC	<15	18	24	29	33	37	39
	4' Length	CFM	105	150	195	240	285	330	375
		Static Pressure	.013	.027	.045	.068	.096	.129	.166
		Horizontal Throw	2-4-9	3-6-13	5-8-17	7-10-21	8-12-25	10-14-29	11-16-32
		NC	<15	19	26	32	36	40	42
10" Inlet	2' Length	CFM	80	120	160	200	240	280	320
		Static Pressure	.010	.022	.038	.060	.086	.118	.154
		Horizontal Throw	2-4-17	4-9-25	7-17-33	12-21-42	17-25-50	19-29-58	22-33-62
		NC	<15	19	26	32	36	40	42
	4' Length	CFM	125	180	240	300	360	420	480
		Static Pressure	.012	.025	.044	.069	.100	.136	.178
		Horizontal Throw	2-5-11	5-8-16	7-10-21	9-13-26	10-16-31	12-18-36	14-21-42
		NC	<15	18	25	30	35	39	42
12" Inlet	2' Length	CFM	90	140	190	240	290	340	390
		Static Pressure	.007	.017	.031	.050	.073	.101	.132
		Horizontal Throw	2-5-19	6-13-29	10-20-39	17-25-50	20-30-59	24-35-64	27-41-68
		NC	<15	16	21	25	28	32	35
	4' Length	CFM	135	210	285	360	435	510	585
		Static Pressure	.008	.020	.038	.060	.088	.120	.158
		Horizontal Throw	3-6-12	6-9-18	8-12-25	10-16-31	13-19-38	15-22-44	17-25-51
		NC	<15	19	25	30	35	39	42

## PERFORMANCE NOTES FOR SERIES UP/UPI XG-6600

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

1. On units without UP/UPI plenums, pressure drop reported is across the diffuser element only  
The field supply plenum pressure drop should be included when determining system fan requirements  
A good approximation of the static pressure requirements can be calculated by adding the velocity pressure through the plenum inlet to the diffuser section pressure drop
2. NC is based on a 4 ft. section of diffuser  
The following table should be used to calculate sound levels for lengths other than 4 ft.
3. To correct throws for lengths other than the 4 ft. lengths used in determining catalog performance, throws should be adjusted per the following table

NC Correction for Length			
Length (feet)	2	4	6
NC Correction	-2	0	2
Throw Correction Multiplier for Length			
Length (feet)	2	4	8
Throw Correction	-7	1	1.2

4. All pressures are in inches of water
5. Isothermal throws are given for terminal velocities of 150, 100 and 50fpm, based upon 4' section
6. Vertical throw values are based on a 50fpm terminal velocity
7. For Vertical supply subtract one NC
8. For Returns minus pattern controllers, deduct 12 NC
9. Throw values are based on a 1-Way discharge from the slot. For 2-Way discharge, throw is based upon the number and size of the slots throwing in each direction, with the total supply air flow split equally between all slots in the unit
10. Data was collected in accordance to ASHRAE standard 70-2006 Method of Testing for rating the performance of air outlets and inlets

**MODEL UP/UIP-XG-6660 RETURN PERFORMANCE DATA**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/FT	15	20	25	30	35	40
	NC	-	20	27	32	37	41
2	CFM/FT	35	50	60	70	80	95
	NC	-	22	27	32	37	41
3	CFM/FT	55	80	95	110	125	150
	NC	-	23	28	33	37	42
4	CFM/FT	70	100	120	140	155	190
	NC	-	24	30	34	37	44
5	CFM/FT	90	135	155	180	200	245
	NC	-	25	30	34	37	44
6	CFM/FT	110	155	195	220	245	300
	NC	-	26	33	37	40	96
7	CFM/FT	130	185	225	260	290	365
	NC	-	27	33	37	41	47
8	CFM/FT	140	200	245	280	310	385
	NC	-	28	34	38	42	48

**MODEL UP/UIP-XG-6675 DUCT CONNECTED RETURN PERFORMANCE DATA**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/FT	25	35	45	50	55	70
	NC	-	21	29	32	35	42
2	CFM/FT	55	80	90	100	110	135
	NC	-	25	29	32	35	42
3	CFM/FT	90	115	140	160	180	220
	NC	-	26	32	36	40	46
4	CFM/FT	100	140	175	200	225	275
	NC	-	27	34	38	41	47
5	CFM/FT	140	185	225	260	290	360
	NC	-	28	34	38	42	48
6	CFM/FT	160	225	275	320	360	440
	NC	-	29	35	40	43	49
7	CFM/FT	175	250	305	350	395	480
	NC	-	30	36	40	44	50
8	CFM/FT	200	285	350	400	450	545
	NC	-	31	37	41	45	51

**MODEL UP/UIP-XG-6610 DUCT CONNECTED RETURN PERFORMANCE DATA**

Number of Slots	Negative Ps Inches of Water	.020	.040	.060	.080	.100	.150
1	CFM/FT	35	50	60	70	80	95
	NC	-	25	31	36	40	45
2	CFM/FT	70	100	125	140	155	190
	NC	-	27	33	37	41	47
3	CFM/FT	105	150	185	210	235	285
	NC	-	29	35	39	43	49
4	CFM/FT	140	200	250	280	310	380
	NC	-	31	37	41	45	51
5	CFM/FT	175	250	300	350	390	475
	NC	-	32	38	42	46	52
6	CFM/FT	210	300	375	420	465	570
	NC	-	33	40	43	47	53
7	CFM/FT	245	350	425	490	545	665
	NC	-	34	41	44	47	54
8	CFM/FT	280	400	475	560	620	760
	NC	-	35	42	45	48	55



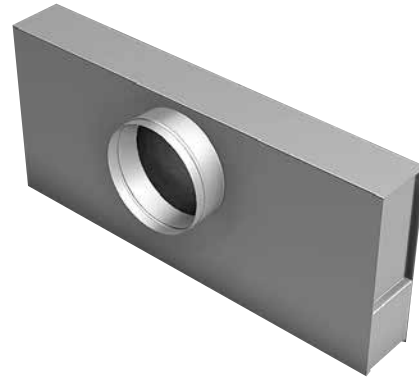
# LINEAR BAR GRILLES

The Greenheck line of linear bar grilles is designed for installation in sidewall, sill or floor and can be used for supply or return air.

XG-2000 BAR GRILLES



UP-XG-2000 PLENUM



**XG-2000 Bar Grilles.** The XG-2000 series of linear bar grilles and registers is constructed of high grade aluminum extrusion and is available in a variety of core and border styles.

- XG-2000 – 1" border – 7/32" bars – 1/2" centers
- XG-2100 – 1/2" border – 7/32" bars – 1/2" centers
- XG-2200F – 3/16" border – 7/32" bars – 1/2" centers
- XG-2300 – 1" border – 1/8" bars – 1/4" centers
- XG-2400 – 1/2" border – 1/8" bars – 1/4" centers
- XG-2500 – 1" border – 1/8" bars – 1/2" centers

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**UP-XG-2000 Plenum.** The UP-XG-2000 universal plenum is constructed of galvanized steel and is available with or without insulation.

- UP-XG-2000 – Uninsulated plenum
- UPI-XG-2000 – Insulated plenum

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Series XG-2000 - 1 borders - 7/32 bars - 1/2 centers		
Wall Mounted	Core Only	Floor Mounted
XG-2000 - 0° Deflection	XG-2000CO - 0° Deflection	XG-2000F - 0° Deflection
XG-2015 - 15° Deflection	XG-2015CO - 15° Deflection	XG-2015F - 15° Deflection
XG-2030 - 30° Deflection	XG-2030CO - 30° Deflection	XG-2030F - 30° Deflection

Concealed Mounting Hanger	Plaster Wall & Ceiling With Subframe
XG-2000H - 0° Deflection	XG-2000HP - 0° Deflection
XG-2015H - 15° Deflection	XG-2015HP - 15° Deflection
XG-2030H - 30° Deflection	XG-2030HP - 30° Deflection

Series XG-2100 - 1/2 borders - 7/32 bars - 1/2 centers		
Wall Mounted	Concealed Mounting Hanger	Concealed Spline Subframe
XG-2100 - 0° Deflection	XG-2100H - 0° Deflection	XG-2100HP - 0° Deflection
XG-2115 - 15° Deflection	XG-2115H - 15° Deflection	XG-2115HP - 15° Deflection
XG-2130 - 30° Deflection	XG-2130H - 30° Deflection	XG-2130HP - 30° Deflection

Narrow Subframe	Combination Subframe
XG-2100HW - 0° Deflection	XG-2100HC - 0° Deflection
XG-2115HW - 15° Deflection	XG-2115HC - 15° Deflection
XG-2130HW - 30° Deflection	XG-2130HC - 30° Deflection

Series XG-2200 - 3/16 borders - 7/32 bars - 1/2 centers	
Non Flanged Floor Mounting	Non Flanged Floor Mounting Pencil Proof
XG-2200F - 0° Deflection	XG-2200FP - 0° Deflection
XG-2215F - 15° Deflection	XG-2215FP - 15° Deflection
XG-2230F - 30° Deflection	XG-2230FP - 30° Deflection

Series XG-2300 - 1 borders - 1/8 bars - 1/4 centers		
Wall Mounted	Core Only	Floor Mounted
XG-2300 - 0° Deflection	XG-2300CO - 0° Deflection	XG-2300F - 0° Deflection
XG-2315 - 15° Deflection	XG-2315CO - 15° Deflection	XG-2315F - 15° Deflection
XG-2330 - 30° Deflection	XG-2330CO - 30° Deflection	XG-2330F - 30° Deflection

Concealed Mounting Hanger	Spline Subframe	Concealed Floor Mount
XG-2300H - 0° Deflection	XG-2300HP - 0° Deflection	XG-2300FH - 0° Deflection
XG-2315H - 15° Deflection	XG-2315HP - 15° Deflection	XG-2315FH - 15° Deflection
XG-2330H - 30° Deflection	XG-2330HP - 30° Deflection	XG-2330FH - 30° Deflection

Series XG-2400 - 1/2 borders - 1/8 bars - 1/4 centers		
Wall Mounted	Concealed Mounting Hanger	Spline Subframe
XG-2400 - 0° Deflection	XG-2400H - 0° Deflection	XG-2400HC - 0° Deflection
XG-2415 - 15° Deflection	XG-2415H - 15° Deflection	XG-2415HC - 15° Deflection
XG-2430 - 30° Deflection	XG-2430H - 30° Deflection	XG-2430HC - 30° Deflection

Concealed Spline Subframe	Narrow Subframe
XG-2400HP - 0° Deflection	XG-2400HW - 0° Deflection
XG-2415HP - 15° Deflection	XG-2415HW - 15° Deflection
XG-2430HP - 30° Deflection	XG-2430HW - 30° Deflection

Series XG-2500 - 1 borders - 1/8 bars - 1/2 centers
Wall Mounted
XG-2500 - 0° Deflection
XG-2515 - 15° Deflection
XG-2530 - 30° Deflection

Concealed Mounting Hanger	Plaster Wall & Ceiling With Subframe
XG-2500H - 0° Deflection	XG-2500HP - 0° Deflection
XG-2515H - 15° Deflection	XG-2515HP - 15° Deflection
XG-2530H - 30° Deflection	XG-2530HP - 30° Deflection

# MODEL XG-2000



- 1" Border, 7/32" Bars, 1/2" Centers - Model XG-2000**
- 1/2" Border, 7/32" Bars, 1/2" Centers - Model XG-2100**
- 1" Border, 1/8" Bars, 1/4" Centers - Model XG-2300**
- 1/2" Border, 1/8" Bars, 1/4" Centers - Model XG-2400**

Air outlets shall be Series XG-2000 extruded aluminum linear bar grilles manufactured by GREENHECK. Units shall be designed specifically for sidewall or ceiling applications and be constructed from heavy gauge extruded aluminum. The units shall be the size and quantity as outlined in the plans and specifications.

Deflection bars shall be 0°, 15° or 30° as detailed. Face bars shall be (1/8" or 7/32") wide on (1/4" or 1/2") centers and shall be permanently fixed in position. Borders shall be (1" or 1/2") wide. Auxiliary sub frames shall be furnished as required to fit the wall or ceiling system.

Bar Grilles and Registers shall be furnished with positive holding concealed mounting systems as required. Units shall be furnished in one piece up to 6 feet in length. Continuous sections shall butt together with hairline joints and be provided with interlocking alignment splines. Borders shall be mechanically fastened to provide a neat hairline corner.

## Floor Applications

- 1" Border, 7/32" Bars, 1/2" Centers - Model XG-2000F**
- 3/16" Border, 7/32" Bars, 1/2" Centers (\*Not available for continuous runs) - Model XG-2200F**

Air outlets shall be Series XG-2000 extruded aluminum linear bar grilles manufactured by GREENHECK. Units shall be designed specifically for floor applications and be constructed from heavy gauge extruded aluminum. The units shall be the size and quantity as outlined in the plans and specifications.

Deflection bars shall be 0°, 15°, or 30° as detailed.

Cores shall be removable and shall be held in place by coated steel retaining clips. Face bars shall be a minimum of 7/32" thick. Grille Borders shall be (3/16" or 1") inch wide with 3/16" wide bars. Units shall be specially reinforced for floor installation with 1/8" by 11/16" inch support brackets. Units shall be furnished in one piece up to 6 feet in length. Continuous sections\* shall butt together with hairline joints and be provided with interlocking alignment splines. Bar Grille borders shall be mitered and mechanically fastened to provide a neat hairline corner.

## Pencil Proof Floor

- 1" Border, 17/64" Bars, 1/2" Centers - Model XG-2000FP**
- 3/16" Border, 17/64" Bars, 1/2" Centers (\*Not available for continuous runs) - Model XG-2200FP**

Air outlets shall be Series XG-2000 extruded aluminum linear bar grilles manufactured by GREENHECK. Units shall be designed specifically for pencil proof applications and be constructed from heavy gauge extruded aluminum. The units shall be the size and quantity as outlined in the plans and specifications.

Deflection bars shall be 0°, 15° or 30° as detailed. Face bars shall be 17/64" wide on 1/2" centers and shall be permanently fixed in position. Borders shall be (1" or 3/16") wide as specified.

Bar Grilles and Registers shall be furnished with positive holding concealed mounting systems as required. Grille and Register sections shall be furnished in one piece up to 6 feet in length. Continuous Grille sections shall butt together with hairline joints and shall be provided with interlocking alignment splines. Bar Grille borders shall be mechanically fastened to provide a neat hairline corner.

Cores shall be removable and shall be held in place by coated steel retaining clips. Grilles and Registers shall be specially reinforced for floor or sill installation with 1/8 inch by 11/16 inch support brackets. Units shall be furnished in one piece up to 6 feet in length. Continuous sections\* shall butt together with hairline joints and be provided with interlocking alignment splines. Borders shall be mitered and mechanically fastened to provide a neat hairline corner.

### Optional Accessories

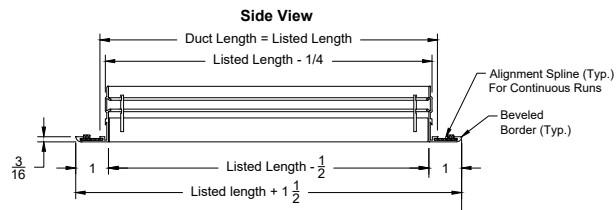
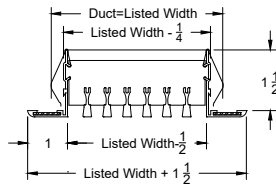
Opposed blade volume control dampers, extractors, and equalizing grids shall be furnished behind active supply sections. Opposed blade volume control dampers shall be furnished behind return sections as required.

Debris screens shall be furnished behind active and return sections as required.

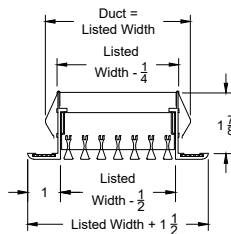
### Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70- 2006.

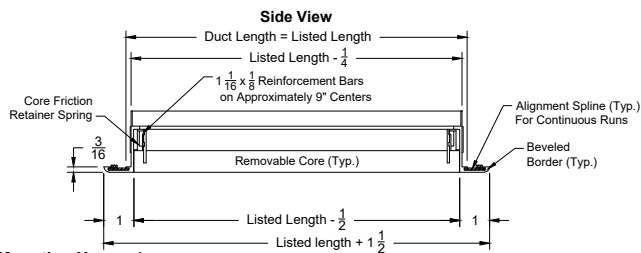
Models: XG-2000, XG-2015, XG-2030 ( Wall Mounting )



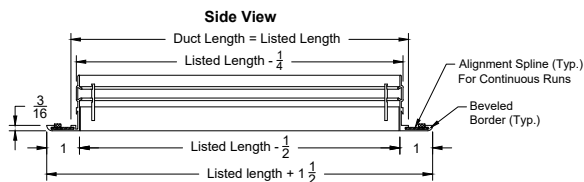
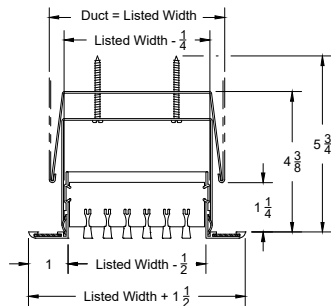
Models: XG-2000 F, XG-2015 F, XG-2030 F, XG-2000 FP (Pencil Proof), XG-2015 FP (Pencil Proof), XG-2030 FP (Pencil Proof) ( Floor /Wall/Sill Mounting )



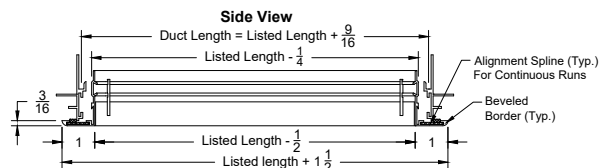
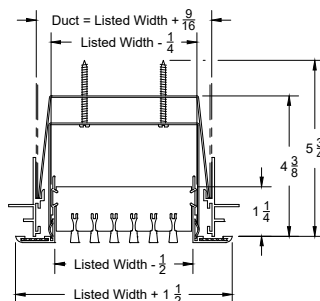
\* 12" Maximum Available Width



Models: XG-2000H, XG-2015H, XG-2030H ( Concealed Mounting Hanger )



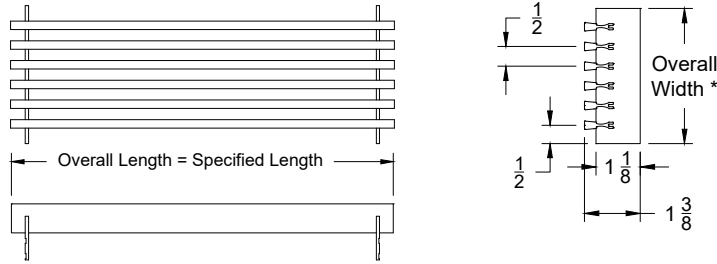
Models: XG-2000 HP, XG-2015 HP, XG-2030 HP ( Spline Subframe For Plaster Wall & Ceilings )



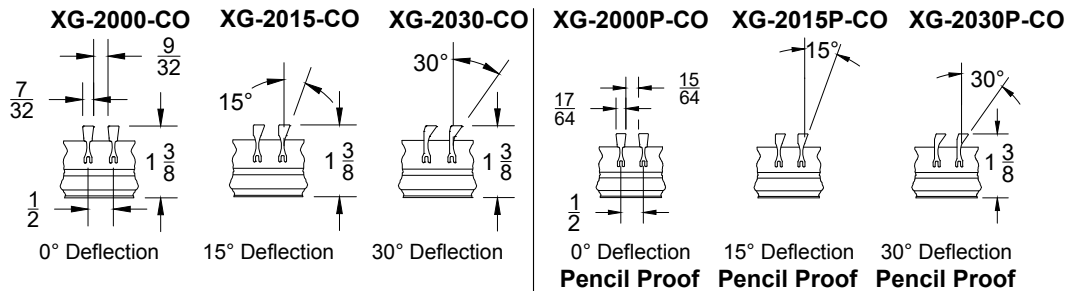
# MODEL XG-2000

Core Only ( XG-2000-CO, XG-2015-CO and XG-2030-CO )  
( XG-2000P-CO, XG-2015P-CO and XG-2030P-CO )

\*\*\*XG-2000 Cores Are Same As XG-2100 Cores\*\*\*

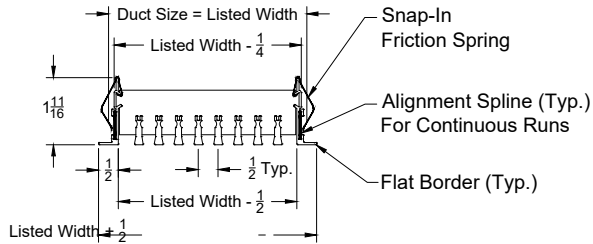


Available Overall Width (Inches)							
Width	Bars	Width	Bars	Width	Bars	Width	Bars
1 1/2	2	7 1/2	14	13 1/2	26	19 1/2	38
2	3	8	15	14	27	20	39
2 1/2	4	8 1/2	16	14 1/2	28	20 1/2	40
3	5	9	17	15	29	21	41
3 1/2	6	9 1/5	18	15 1/3	30	21 1/2	42
4	7	10	19	16	31	22	43
4 1/2	8	10 1/2	20	16 1/2	32	22 1/2	44
5	9	11	21	17	33	23	45
5 1/2	10	11 1/2	22	17 1/2	34	23 1/2	46
6	11	12	23	18	35	24	47
6 1/2	12	12 1/2	24	18 1/2	36	-	-
7	13	13	25	19	37	-	-

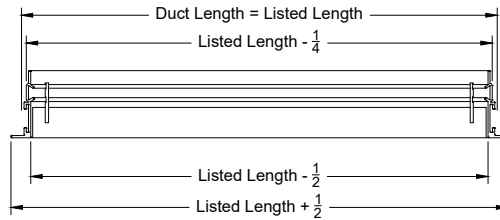


# MODEL XG-2000

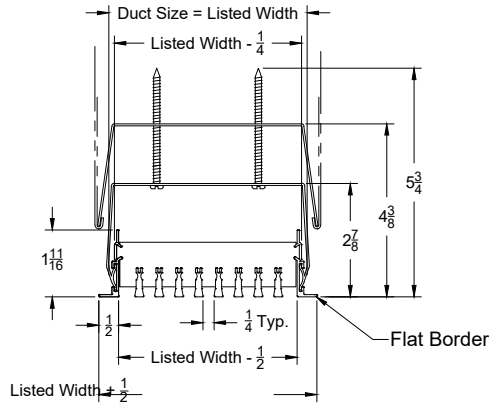
## Models: XG-2100, XG-2115, XG-2130 ( Wall Mounting )



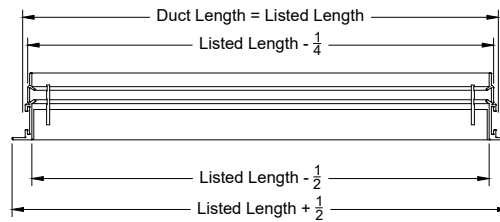
### Side View



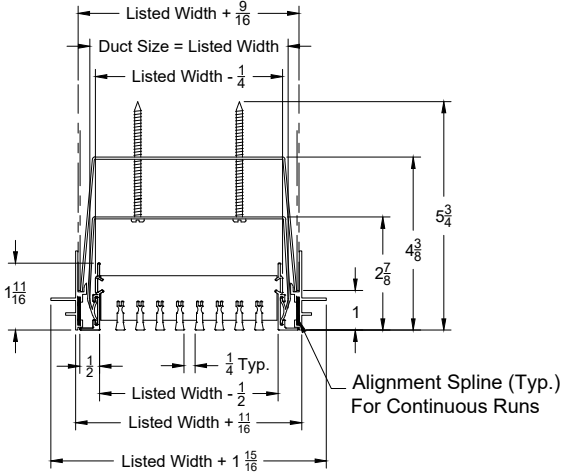
## Models: XG-2100H, XG-2115H, XG-2130H ( Concealed Mounting Hanger )



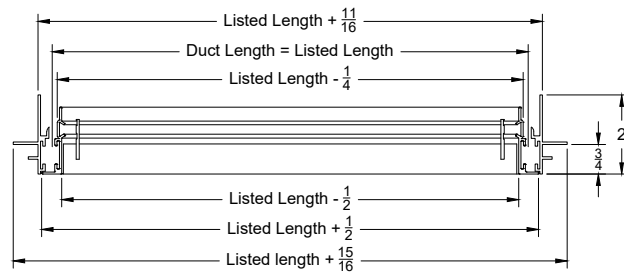
### Side View



## Models: XG-2100HP, XG-2115HP, XG-2130HP ( Concealed Spline Subframe )

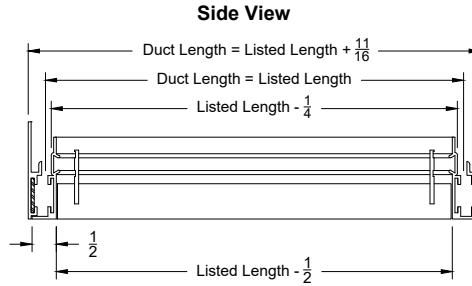
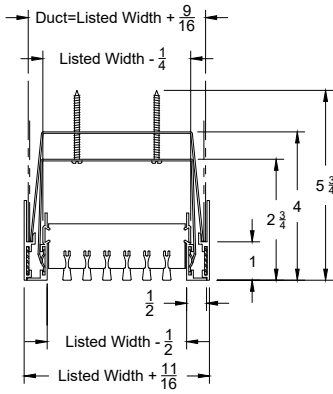


### Side View

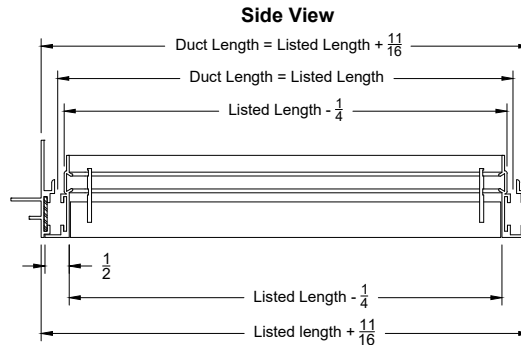
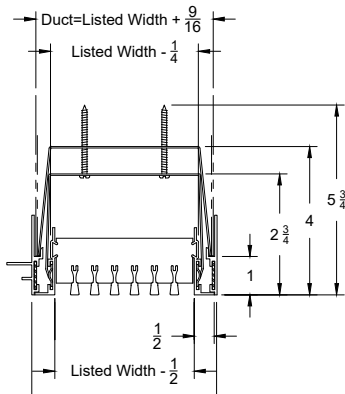


# MODEL XG-2000

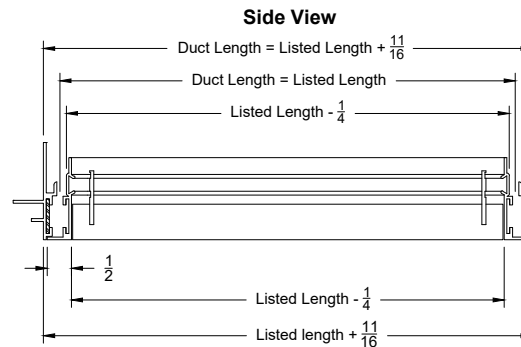
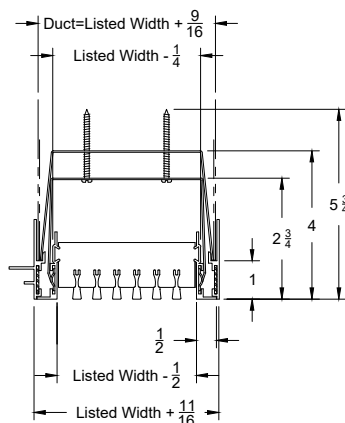
Models: XG-2100 HW, XG-2115 HW, XG-2130 HW ( Narrow Subframe )



Models: XG-2200 HC, XG-2115 HC, XG-2130 HC ( Combination Subframe )

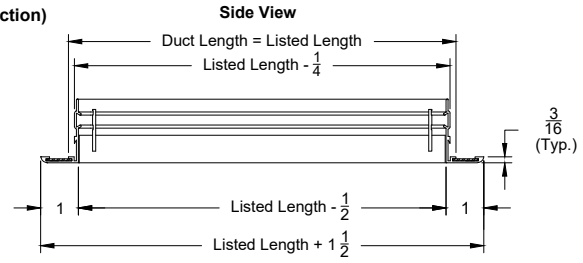
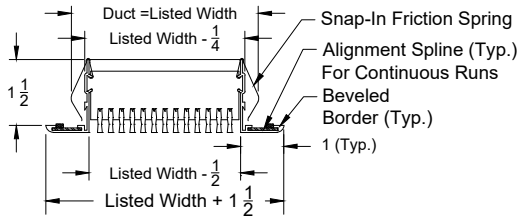


Models: XG-2200 HC, XG-2115 HC, XG-2130 HC ( Combination Subframe )

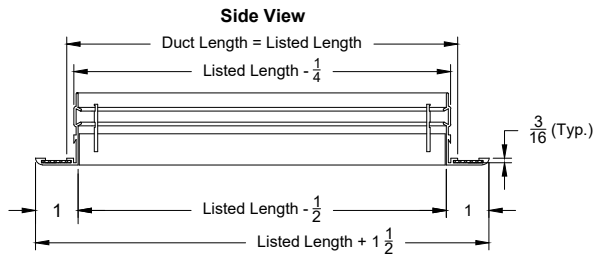
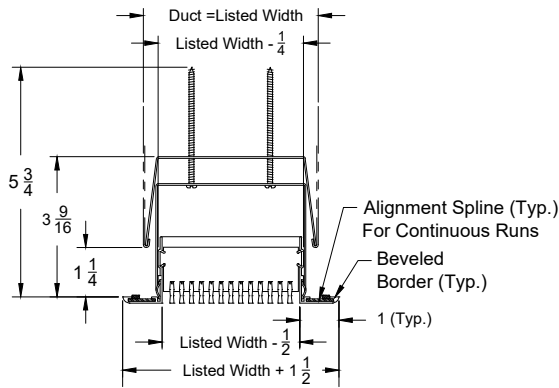




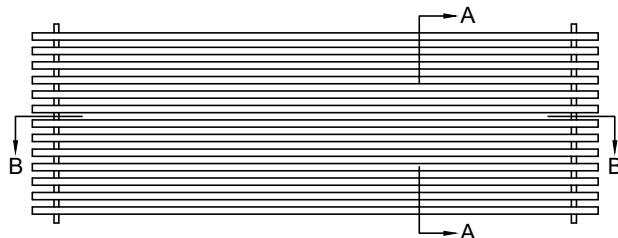
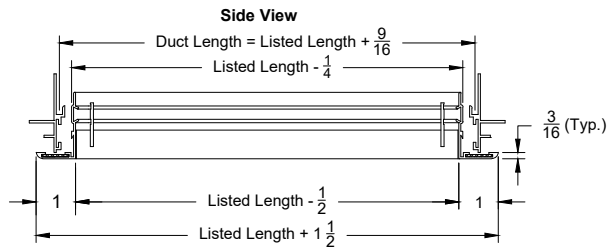
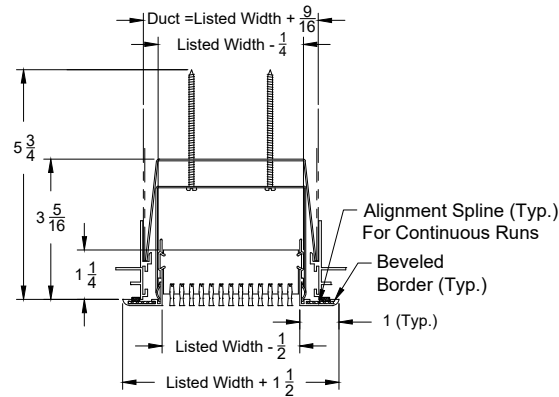
**Models: XG-2300, XG-2315, XG-2330 (Wall Mounting - 0° / 15° / 30° Deflection)**



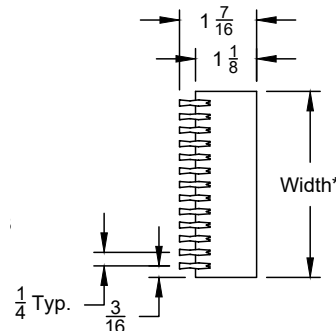
**Models: XG-2300H, XG-2315H, XG-2330H (Concealed Mounting Hangers - 0° / 15° / 30° Deflection)**



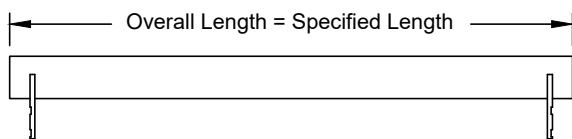
**Models: XG-2300HP, XG-2315HP, XG-2330HP (Concealed Spline Mounting Frame - 0° / 15° / 30° Deflection)**



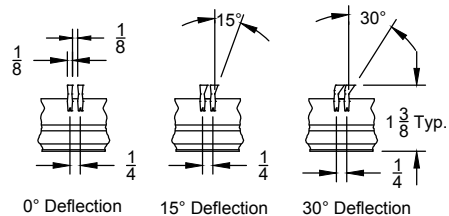
**Face View (All Models)**



**Section A-A - All Models**



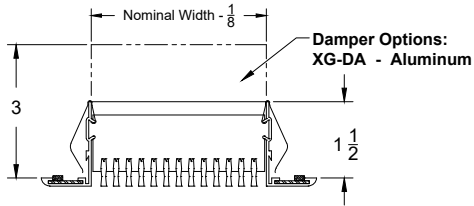
**Section B-B - All Models**



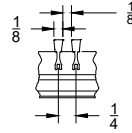
0° Deflection    15° Deflection    30° Deflection

# MODEL XG-2000

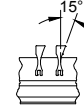
Option: XG-2300, XG-2315, XG-2330 (Register)  
(Wall Mounted - With Damper)



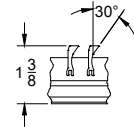
Options: 0°, 15° or 30° Deflection



0° Deflection

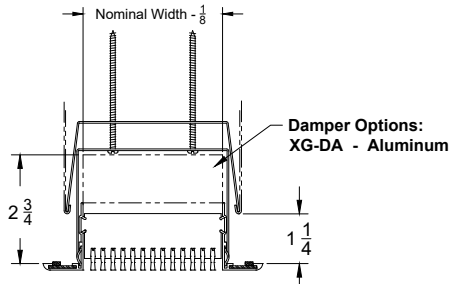


15° Deflection

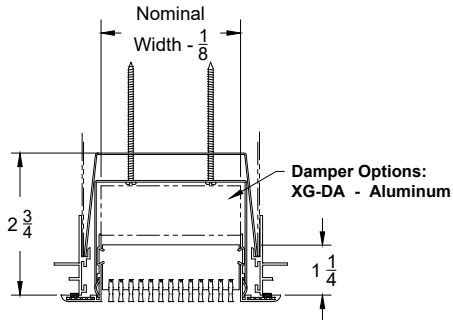


30° Deflection

Option: XG-2300H, XG-2315H, XG-2330H (Register)  
(Concealed Mounting Hangers - With Damper)



Option: XG-2300HP, XG-2315HP, XG-2330HP (Register)  
(Concealed Spline Mounting Frame - With Damper)

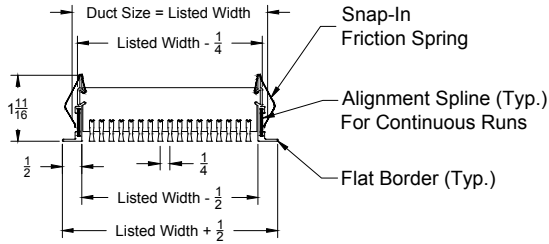


*Available Overall Width (Inches)																						
1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12

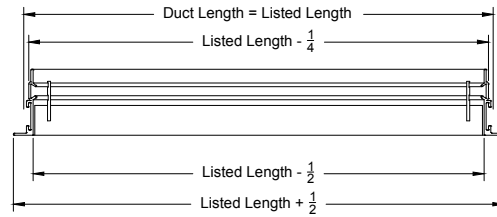
Number of Bars																						
3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47

# MODEL XG-2000

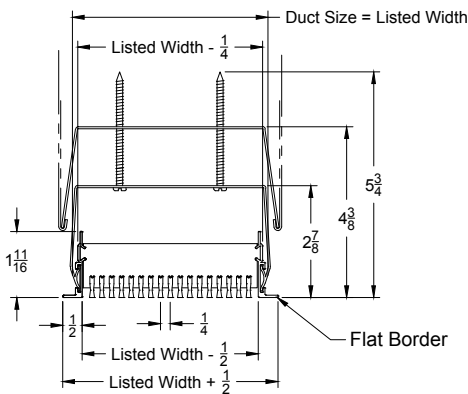
Models: XG-2400, XG-2415, XG-2430 (Wall Mounting - 0° / 15° / 30° Deflection)



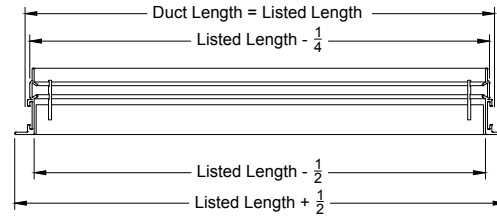
Side View



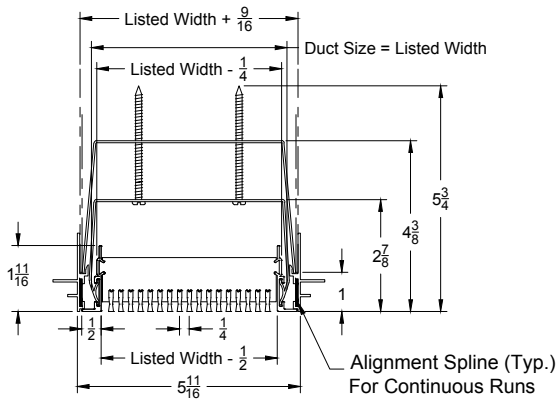
Models: XG-2400H, XG-2415H, XG-2430H (Concealed Mounting Hangers - 0° / 15° / 30° Deflection)



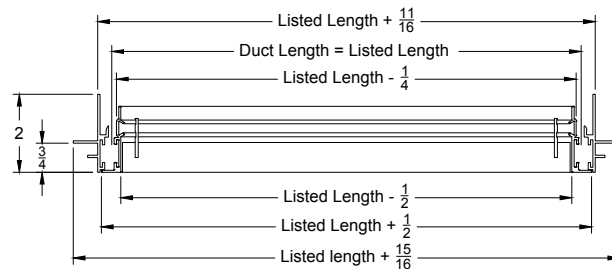
Side View



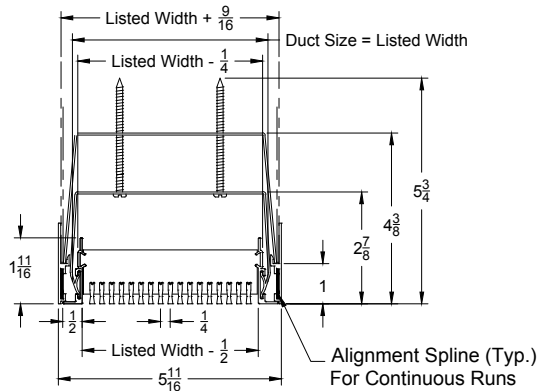
Models: XG-2400HP, XG-2415HP, XG-2430HP (Concealed Spline Mounting Frame - 0° / 15° / 30° Deflection)



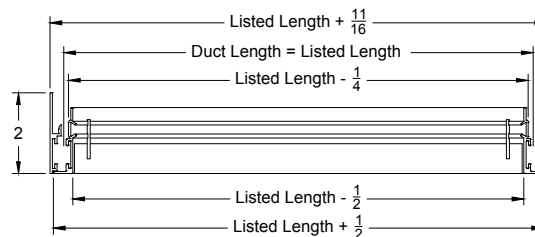
Side View



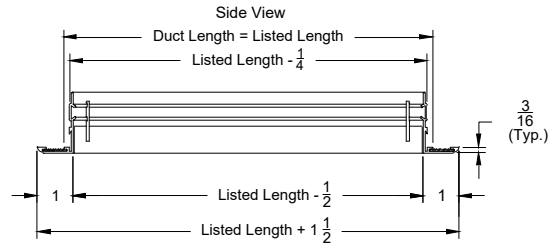
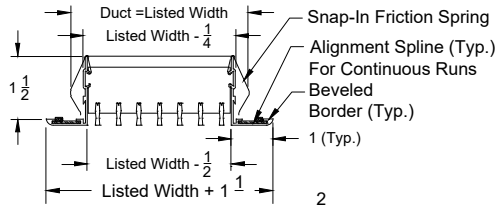
Models: XG-2400 HW, XG-2415 HW, XG-2430 HW (Narrow Mounting Frame - 0° / 15° / 30° Deflection)



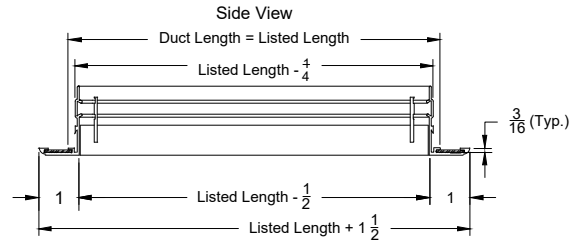
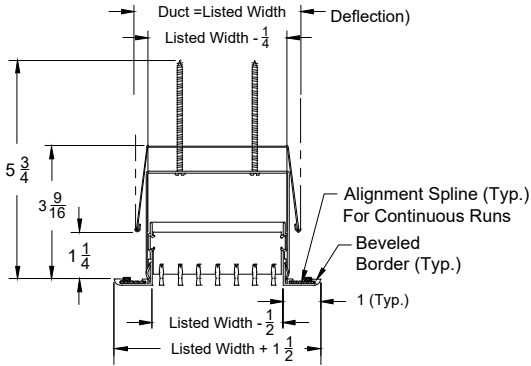
Side View



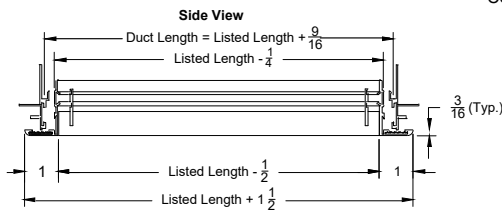
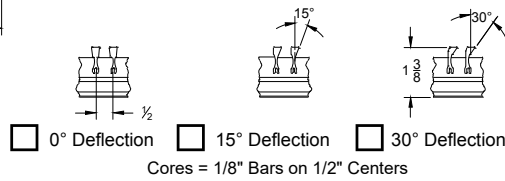
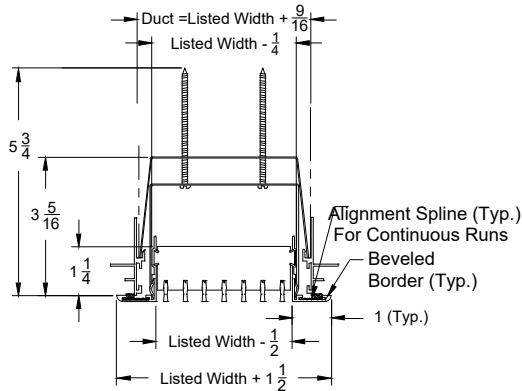
Models: XG-2500, XG-2515, XG-2530 (Wall Mounting - 0° / 15° / 30° Deflection)



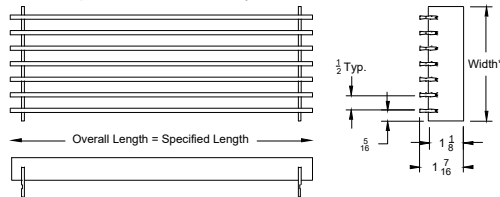
Models: XG-2500H, XG+2515H, 2XG+530H (Concealed Mounting Hangers - 0° / 15° / 30°)



Models: XG-2500HP, XG-2515HP, XG-2530HP (Concealed Spline Mounting Frame With Hangers - 0° / 15° / 30° Deflection)



Option: XG-CO - Core Only



### MODEL XG-2000 NUMBER SPECIFICATION

#### MODEL XG-2000 (1 BORDER - 7/32 BARS - 1/2 CENTERS)

Model	Mounting	Length	Width	End Detail		Available Finishes	
XG-2000	Standard	6 - 72 (One Piece)	1 1/2 - 24 (1/2 Increments)	1EB	One End Border	01	White
XG-2015	H - Concealed Mtg W/ Hanger			2EB	Two End Borders	02	Satin Silver
XG-2030	HP - Spline Subframe / Concealed Mtg F - Floor Mtg FP - Floor Mtg / Pencil Proof			00	Open Ends	03	Black
						04	Clear Anodized
						24	Mill
						28	Custom Color

Available Accessories	
XG-DA	
XG-L9	Equalizing Grid

Available Options	
FSM	
Access Door	
(Access Door not available on floor units)	

#### MODEL XG-2000 CORE ONLY

Model	Length	Width	Available Finishes	
XG-2000CO	6 - 72 (One Piece)	1 1/2 - 24 (1/2 Increments)	01	White
XG-2015CO			02	Satin Silver
XG-2030CO			03	Black
			04	Clear Anodized
			24	Mill
			28	Custom Color

### MODEL XG-2000 NUMBER SPECIFICATION

#### MODEL XG-2000 (1 BORDER - 7/32 BARS - 1/2 CENTERS)

Model	Mounting	Width	Miter Style		Available Finishes	
XG-2000	MC - Standard Miter Corner	1 1/2 - 24 (1/2 Increments)	90	Horizontal 90 Degree	01	White
XG-2015	HMC - Concealed Mtg W/ Hanger Miter Corner		SPEC	Special Miter	02	Satin Silver
XG-2030	HPMC - Spline Subframe / Concealed Mtg Miter Corner		VI	Vertical Inside	03	Black
	FMC - Floor Mtg Miter Corner		V2	Vertical Outside	04	Clear Anodized
	FPMC - Floor Mtg / Pencil Proof Miter Corner				24	Mill
					28	Custom Color

**MODEL XG-2100 NUMBER SPECIFICATION**  
**MODEL XG-2100 (1/2 BORDER - 7/32 BARS - 1/2 CENTERS)**

Model	Mounting	Length	Width	End Detail		Available Finishes	
XG-2100	Standard	6 - 72 (One Piece)	1 1/2 - 24 (1/2 Increments)	1EB	One End Border	01	White
XG-2115	H - Concealed Mtg W/ Hanger			2EB	Two End Borders	02	Satin Silver
XG-2130	HP - Spline Subframe / Concealed Mtg HW - Narrow Subframe / Concealed Mtg HC - Combo Subframe / Concealed Mtg			00	Open Ends	03	Black
						04	Clear Anodized
						24	Mill
						28	Custom Color

Available Accessories	
XG-DA	
XG-L9	Equalizing Grid

Available Options	
Access Door	
(Access Door not available on floor units)	

**MODEL XG-2100 NUMBER SPECIFICATION**  
**MODEL XG-2100 MITER CORNER**

Model	Mounting	Width	Miter Style		Air Flow	
XG-2100	MC - Standard Miter Corner	1 1/2 - 24 (1/2 Increments)	90	Horizontal 90 Degree	00	0 Degree Deflection
XG-2115	HMC - Concealed Mtg W/ Hanger Miter Corner		SPEC	Special Miter	IN	Air Flow In
XG-2130	HPMC - Spline Subframe / Concealed Mtg Miter Corner HWMC - Narrow Subframe / Concealed Mtg Miter Corner HCMC - Combo Subframe / Concealed Mtg Miter Corner		VI	Vertical Inside	OT	Air Flow Out
			V2	Vertical Outside		

Available Finishes	
01	White
02	Satin Silver
03	Black
04	Clear Anodized
24	Mill
28	Custom Color

**MODEL XG-2200 NUMBER SPECIFICATION**  
**MODEL XG-2200 (3/16 BORDER - 7/32 BARS - 1/2 CENTERS)**

Model	Mounting	Length	Width	Finish		Accessories	
XG-2200	F - Floor Mtg	6 - 72	1 1/2 - 8	01	White	XG-L9	Equalizing Grid
XG-2215	FP - Floor Mtg W/Miter	(One Piece)	(1/2 Increments)	02	Satin Silver		
XG-2230				03	Black		
				04	Clear Anodized		
				24	Mill		
				28	Custom Color		

**MODEL XG-2200 NUMBER SPECIFICATION**  
**MODEL XG-2200 MITER CORNER**

Model	Mounting	Width	Miter Style		Air Flow		Available Finishes	
XG-2200	FMC - Floor Mtg Miter Corner	1 1/2 - 8	90	Horizontal 90 Degree	00	0 Degree Deflection	01	White
XG-2215	FPM - Floor Mtg/Pencil Proof Miter Corner	(1/2 Increments)	SPEC	Special Miter	IN	Air Flow In	02	Satin Silver
XG-2230					OT	Air Flow Out	03	Black
							04	Clear Anodized
							24	Mill
							28	Custom Color

**MODEL XG-2300 NUMBER SPECIFICATION**  
**MODEL XG-2300 (1 BORDER - 1/8 BARS - 1/4 CENTERS)**

Model	Mounting	Length	Width	End Detail		Available Finishes	
XG-2300	Standard	6 - 72 (One Piece)	1 1/2 - 12 (1/2 Increments)	1EB	One End Border	01	White
XG-2315	H - Concealed Mtg W/ Hanger			2EB	Two End Borders	02	Satin Silver
XG-2330	HP - Spline Subframe / Concealed Mtg F - Floor Mtg			00	Open Ends	03	Black
						04	Clear Anodized
						24	Mill
						28	Custom Color

Available Accessories	
XG-DA	
XG-L9	Equalizing Grid

Available Options	
FSM	
Access Door	
(Access Door not available on floor units)	

**MODEL XG-2300 CORE ONLY**

Model	Length	Width	Available Finishes	
XG-2300C0	6 - 72 (One Piece)	1 1/2 - 12 (1/2 Increments)	01	White
XG-2315C0			02	Satin Silver
XG-2330C0			03	Black
			04	Clear Anodized
			24	Mill
			28	Custom Color

**MODEL XG-2300 MITER CORNER**

Model	Mounting	Width	Miter Style		Air Flow	
XG-2300	MC - Standard Miter Corner	1 1/2 - 12 (1/2 Increments)	90	Horizontal 90 Degree	00	0 Degree Deflection
XG-2315	HMC - Concealed Mtg W/ Hanger Miter Corner		SPEC	Special Miter	IN	Air Flow In
XG-2330	HPMC - Spline Subframe / Concealed Mtg Miter Corner FMC - Floor Mtg Miter Corner FPMC - Floor Mtg / Pencil Proof Miter Corner		VI	Vertical Inside	OT	Air Flow Out
			V2	Vertical Outside		

Available Finishes	
01	White
02	Satin Silver
03	Black
04	Clear Anodized
24	Mill
28	Custom Color



### MODEL XG-2400 NUMBER SPECIFICATION

#### MODEL XG-2400 (1/2 BORDER - 7/32 BARS - 1/2 CENTERS)

Model	Mounting	Length	Width	End Detail		Available Finishes	
XG-2400	Standard	6 - 72 (One Piece)	1 1/2 - 12 (1/2 Increments)	1EB	One End Border	01	White
XG-2415	H - Concealed Mtg W/ Hanger			2EB	Two End Borders	02	Satin Silver
XG-2430	HP - Spline Subframe / Concealed Mtg			00	Open Ends	03	Black
	HW - Narrow Subframe / Concealed Mtg					04	Clear Anodized
	HC - Combo Subframe / Concealed Mtg			24	Mill		
						28	Custom Color

Available Accessories	
XG-DA	
XG-L9	Equalizing Grid

Available Options	
FSM	
Access Door	
(Access Door not available on floor units)	

### MODEL XG-2400 MITER CORNER

Model	Mounting	Width	Miter Style		Air Flow	
XG-2400	MC - Standard Miter Corner	1 1/2 - 12 (1/2 Increments)	90	Horizontal 90 Degree	00	0 Degree Deflection
XG-2415	HMC - Concealed Mtg W/ Hanger Miter Corner		SPEC	Special Miter	IN	Air Flow In
XG-2430	HPMC - Spline Subframe / Concealed Mtg Miter Corner		VI	Vertical Inside	OT	Air Flow Out
	HWMC - Narrow Subframe / Concealed Mtg Miter Corner		V2	Vertical Outside		
	HCMC - Combo Subframe / Concealed Mtg Miter Corner					

Available Finishes	
01	White
02	Satin Silver
03	Black
04	Clear Anodized
24	Mill
28	Custom Color

**MODEL XG-2500 NUMBER SPECIFICATION**  
**MODEL XG-2500 (1 BORDER - 7/32 BARS - 1/2 CENTERS)**

Model	Mounting	Length	Width	End Detail		Available Finishes	
XG-2500	Standard	6 - 72 (One Piece)	1 1/2 - 24 (1/2 Increments)	1EB	One End Border	01	White
XG-2515	H - Concealed Mtg W/ Hanger			2EB	Two End Borders	02	Satin Silver
XG-2530	HP - Spline Subframe / Concealed Mtg			00	Open Ends	03	Black
						04	Clear Anodized
						24	Mill
						28	Custom Color

Available Accessories	
XG-DA	
XG-L9	Equalizing Grid

Available Options	
FSM	
Access Door	
(Access Door not available on floor units)	

**MODEL XG-2500 MITER CORNER**

Model	Mounting	Width	Miter Style		Air Flow	
XG-2500	MC - Standard Miter Corner	1 1/2 - 24 (1/2 Increments)	90	Horizontal 90 Degree	00	0 Degree Deflection
XG-2515	HMC - Concealed Mtg W/ Hanger Miter Corner		SPEC	Special Miter	IN	Air Flow In
XG-2530	HPMC - Spline Subframe / Concealed Mtg Miter Corner		VI	Vertical Inside	OT	Air Flow Out
			V2	Vertical Outside		

Available Finishes	
01	White
02	Satin Silver
03	Black
04	Clear Anodized
24	Mill
28	Custom Color

**SERIES XG-2000 PERFORMANCE DATA**  
**MODEL XG-2000, XG-2100, XG-2200 (0° AND 15° DEFLECTION)**

Listed Width (in inches)	Outlet Velocity (V <sub>k</sub> )	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.016	.031	.051	.062	.076	.090	.105
	Static Pressure (Ps)	.012	.024	.040	.050	.060	.072	.084
	NC	-	15	20	23	26	29	31
1 1/2 .062	Flow CFM / FT	31	43	56	62	68	74	81
	Throw Sill or Floor	6-9	9-13	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	8-11	11-16	13-18	14-20	15-22	17-24	17-25
2 .086	Flow CFM / FT	43	60	77	86	95	103	112
	Throw Sill or Floor	5-8	8-12	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	7-10	10-15	13-18	14-20	15-22	17-24	17-25
2 1/2 .110	Flow CFM / FT	55	77	99	110	121	132	143
	Throw Sill or Floor	6-9	9-13	11-16	13-18	13-19	15-21	15-22
	Throw Side Wall	8-11	11-16	14-20	16-23	17-24	18-26	20-28
3 .130	Flow CFM / FT	65	91	117	130	143	156	169
	Throw Sill or Floor	7-10	10-15	13-18	15-21	15-22	17-24	18-26
	Throw Side Wall	8-12	13-18	15-22	17-25	18-26	20-28	21-30
3 1/2 .152	Flow CFM / FT	76	106	137	152	167	182	198
	Throw Sill or Floor	7-10	10-15	13-18	15-21	15-22	17-24	18-26
	Throw Side Wall	9-13	13-18	16-23	18-26	20-26	21-30	21-30
4 .176	Flow CFM / FT	88	123	158	176	194	211	229
	Throw Sill or Floor	8-11	12-16	14-20	16-23	18-26	19-27	20-29
	Throw Side Wall	10-14	15-22	17-25	20-29	22-32	24-34	25-36
5 .220	Flow CFM / FT	110	154	198	220	242	264	286
	Throw Sill or Floor	8-12	13-18	15-21	17-24	18-26	19-27	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
6 .265	Flow CFM / FT	133	186	239	265	292	318	345
	Throw Sill or Floor	8-12	13-18	15-22	17-25	18-26	20-28	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
8 .356	Flow CFM / FT	178	249	320	356	392		
	Throw Sill or Floor	10-14	13-19	15-22	18-26	19-27		
	Throw Side Wall	12-17	17-24	20-28	23-33	24-34		
10 .446	Flow CFM / FT	223	312	401	446			
	Throw Sill or Floor	10-15	15-22	18-26	21-30			
	Throw Side Wall	13-19	20-28	23-33	26-37			
12 .536	Flow CFM / FT	268	375	482				
	Throw Sill or Floor	12-17	22-31	21-33				
	Throw Side Wall	15-21	24-35	27-38				

**SERIES XG-2000 PERFORMANCE DATA**  
**MODEL XG-2000, XG-2100, XG-2200 (30° DEFLECTION)**

Listed Width (in inches)	Outlet Velocity (V <sub>k</sub> )	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.020	.040	.067	.081	.100	.119	.139
	Static Pressure (Ps)	.017	.034	.056	.070	.084	.100	.118
	NC	15	20	25	28	31	34	36
1 1/2 .062	Flow CFM / FT	35	49	64	71	78	84	92
	Throw Sill or Floor	5-8	8-12	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	7-9	10-14	12-16	14-20	15-22	17-24	17-25
2 .086	Flow CFM / FT	49	68	88	98	108	118	128
	Throw Sill or Floor	6-9	9-13	10-14	11-16	13-18	13-19	14-20
	Throw Side Wall	8-10	10-15	13-18	15-21	16-23	17-27	18-26
2 1/2 .110	Flow CFM / FT	63	88	113	126	138	151	163
	Throw Sill or Floor	6-9	9-13	11-16	13-18	13-19	15-21	15-22
	Throw Side Wall	8-11	11-16	14-60	16-23	17-24	18-26	20-28
3 .130	Flow CFM / FT	74	104	133	148	163	178	193
	Throw Sill or Floor	7-10	10-14	13-18	15-21	15-22	17-24	18-26
	Throw Side Wall	8-12	13-18	15-22	17-25	18-26	20-28	21-30
3 1/2 .152	Flow CFM / FT	87	121	156	173	191	208	226
	Throw Sill or Floor	7-10	10-15	13-18	14-20	15-21	15-22	17-24
	Throw Side Wall	8-12	13-19	16-23	18-26	20-28	21-30	22-32
4 .176	Flow CFM / FT	100	140	180	201	221	241	261
	Throw Sill or Floor	8-11	13-18	15-21	17-24	18-26	19-27	21-30
	Throw Side Wall	10-14	15-22	17-25	20-29	22-32	24-34	25-36
5 .220	Flow CFM / FT	126	176	226	251	276	301	326
	Throw Sill or Floor	8-12	13-18	15-22	17-25	18-26	20-28	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
6 .265	Flow CFM / FT	151	212	272	302	333	363	393
	Throw Sill or Floor	9-13	13-18	15-22	17-25	18-26	20-28	21-30
	Throw Side Wall	10-15	15-22	19-27	22-31	23-33	24-35	27-38
8 .356	Flow CFM / FT	203	284	366	406	447		
	Throw Sill or Floor	10-14	13-19	15-22	18-26	19-27		
	Throw Side Wall	12-17	17-24	20-28	23-33	24-34		
10 .446	Flow CFM / FT	254	356	458	509			
	Throw Sill or Floor	10-15	15-22	18-26	21-30			
	Throw Side Wall	13-19	20-28	23-33	26-37			
12 .536	Flow CFM / FT	306	428	550				
	Throw Sill or Floor	12-17	22-31	21-30				
	Throw Side Wall	15-21	24-35	27-38				

## PERFORMANCE NOTES FOR SERIES XG-2000

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

VK Outlet Velocity

Pt Total pressure (inches of water column)

Ps Static pressure =  $P_t - P_v$  (inches of water column)

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re:  $10^{-12}$  watts minus a 10dB room attenuation in all octave bands

Throw Total distance (in feet) covered by an airstream before its maximum velocity falls to a preselected terminal level ( $V_t$ ) of 150fpm and 50fpm respectively.

**SERIES XG-2300 PERFORMANCE DATA**  
**MODEL XG-2300, XG-2400 (0° AND 15° DEFLECTION)**

Listed Width (in inches) and effective Free Area	Outlet Velocity (V <sub>k</sub> )	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.020	.038	.062	.076	.091	.110	.128
	Static Pressure (Ps)	.015	.029	.049	.061	.073	.088	.102
	NC	15	18	24	28	31	35	37
1.5 .062	Flow CFM / FT	31	44	56	63	69	75	81
	Throw Sill or Floor	7-11	11-16	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	10-13	13-19	16-22	17-24	18-26	20-29	20-30
2 .086	Flow CFM / FT	43	60	77	85	94	102	111
	Throw Sill or Floor	6-10	10-14	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	8-12	12-18	16-22	17-24	18-26	20-29	20-30
2.5 .110	Flow CFM / FT	55	77	99	110	121	132	143
	Throw Sill or Floor	7-11	11-16	13-19	16-22	16-23	18-25	18-26
	Throw Side Wall	10-13	13-19	17-24	19-28	20-29	22-31	24-34
3 .130	Flow CFM / FT	65	91	117	130	143	156	169
	Throw Sill or Floor	8-12	12-17	16-22	17-24	18-25	18-26	20-29
	Throw Side Wall	10-14	16-22	18-26	20-30	22-31	24-34	25-36
3.5 .152	Flow CFM / FT	76	107	137	153	168	183	198
	Throw Sill or Floor	8-12	12-18	16-22	18-25	18-26	20-29	22-31
	Throw Side Wall	10-14	16-22	18-26	20-30	22-31	24-34	25-36
4 .176	Flow CFM / FT	88	123	158	176	193	210	228
	Throw Sill or Floor	10-13	16-22	17-24	1-29	22-31	23-32	24-35
	Throw Side Wall	12-18	18-26	20-30	24-35	26-38	29-41	30-43
5 .220	Flow CFM / FT	110	154	198	220	242	264	286
	Throw Sill or Floor	10-14	16-22	18-25	20-29	22-30	23-32	25-36
	Throw Side Wall	12-18	18-26	22-31	25-36	26-38	29-41	31-44
6 .265	Flow CFM / FT	133	186	239	265	292	318	345
	Throw Sill or Floor	10-14	16-22	18-26	20-30	22-32	24-34	25-36
	Throw Side Wall	12-18	18-26	23-32	26-37	28-40	30-43	32-46
8 .356	Flow CFM / FT	178	249	320	356	391		
	Throw Sill or Floor	12-17	16-23	18-26	22-31	23-33		
	Throw Side Wall	14-20	20-29	24-34	28-40	29-43		
10 .446	Flow CFM / FT	223	312	401	445			
	Throw Sill or Floor	12-18	18-26	22-31	25-36			
	Throw Side Wall	16-23	24-34	28-40	31-44			
12 .536	Flow CFM / FT	268	375	482				
	Throw Sill or Floor	14-20	26-37	25-36				
	Throw Side Wall	18-20	29-42	32-46				

**SERIES XG-2300 PERFORMANCE DATA**  
**MODEL XG-2300, XG-2400 (30° DEFLECTION)**

Listed Width (in inches)	Outlet Velocity (V <sub>k</sub> )	500	700	900	1000	1100	1200	1300
	Total Pressure (Pt)	.016	.031	.051	.062	.076	.090	.105
	Static Pressure (Ps)	.012	.024	.040	.050	.061	.072	.084
	NC	0	20	23	26	29	31	36
1.5 .062	Flow CFM / FT	36	50	65	71	79	86	94
	Throw Sill or Floor	7-11	11-16	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	10-13	13-19	16-22	17-24	18-26	20-29	20-30
2 .086	Flow CFM / FT	48	68	88	97	108	117	127
	Throw Sill or Floor	6-10	10-14	12-17	13-19	16-22	16-23	17-24
	Throw Side Wall	8-12	12-18	16-22	17-24	18-26	20-29	20-30
2.5 .110	Flow CFM / FT	63	88	114	125	139	152	164
	Throw Sill or Floor	7-11	11-16	13-19	16-22	16-23	18-25	18-26
	Throw Side Wall	10-13	13-19	17-24	19-28	20-29	22-31	24-34
3 .130	Flow CFM / FT	74	105	135	148	164	179	194
	Throw Sill or Floor	8-12	12-17	16-22	17-24	18-25	18-26	20-29
	Throw Side Wall	10-14	16-22	18-26	20-30	22-31	24-34	25-36
3.5 .152	Flow CFM / FT	87	123	156	174	193	211	228
	Throw Sill or Floor	8-12	12-18	16-22	18-25	18-26	20-29	22-31
	Throw Side Wall	10-14	16-23	19-28	22-31	24-34	25-36	26-38
4 .176	Flow CFM / FT	100	141	181	200	221	242	262
	Throw Sill or Floor	10-13	16-22	17-24	19-28	22-31	23-32	24-35
	Throw Side Wall	12-17	18-26	20-30	24-35	26-38	29-41	30-43
5 .220	Flow CFM / FT	125	177	228	251	278	304	329
	Throw Sill or Floor	10-14	16-22	18-25	20-29	22-31	23-32	25-36
	Throw Side Wall	12-17	18-26	22-31	25-36	26-38	29-41	31-44
6 .265	Flow CFM / FT	157	213	274	302	335	366	396
	Throw Sill or Floor	10-14	16-22	18-26	20-30	22-31	24-34	25-36
	Throw Side Wall	12-18	18-26	23-32	26-37	28-40	30-43	32-46
8 .356	Flow CFM / FT	202	286	367	405	449		
	Throw Sill or Floor	12-17	16-23	18-26	22-31	23-33		
	Throw Side Wall	14-20	20-29	23-32	28-40	29-43		
10 .446	Flow CFM / FT	254	358	461	507			
	Throw Sill or Floor	12-18	18-26	22-31	25-36			
	Throw Side Wall	16-23	20-29	28-40	31-44			
12 .536	Flow CFM / FT	305	431	554				
	Throw Sill or Floor	14-20	20-28	25-36				
	Throw Side Wall	18-25	29-42	32-46				

## PERFORMANCE NOTES FOR SERIES XG-2300

All data is tested in accordance with ANSI/ASHRAE 70-2006.

### DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

VK Outlet Velocity

Pt Total pressure (inches of water column)

Ps Static pressure = Pt-Pv (inches of water column)

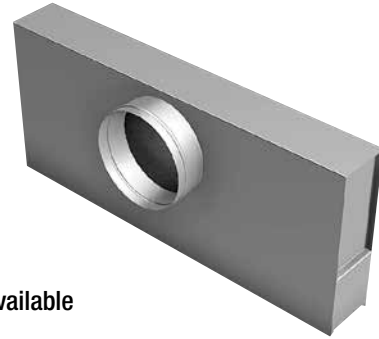
NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re:  $10^{-12}$  watts minus a 10dB room attenuation in all octave bands

Throw Total distance (in feet) covered by an airstream before its maximum velocity falls to a preselected terminal level (Vt) of 150fpm and 50fpm respectively.

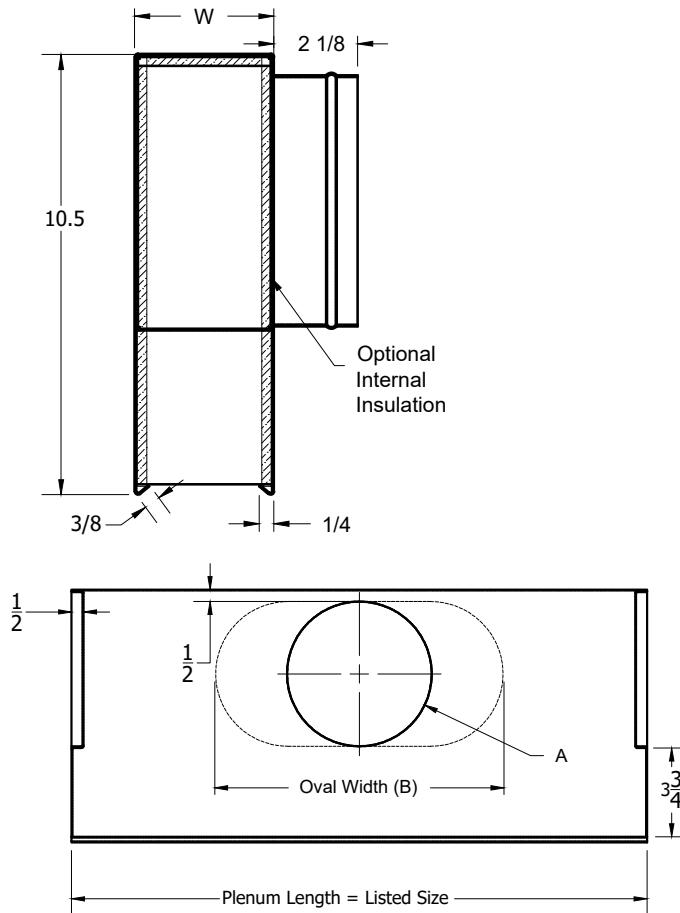


# MODEL UP-XG-2000

The models UP-XG-2000 (un-insulated) and UPI-XG-2000 (insulated) are designed to connect the XG-2000 series to the ducted supply or return system. The UP-vXG-2000 is constructed of galvanized steel. The height of the plenum is 10".



- Standard insulation on UPI-XG-2000 is 1/2" Fiberglass
- Optional external insulation and internal closed cell foam insulation are also available
- Standard inlet sizes are 6" (round) or 8", 10", 12" and 14" (oval)
- Standard lengths available are 24", 36", 48", 60" and 72"



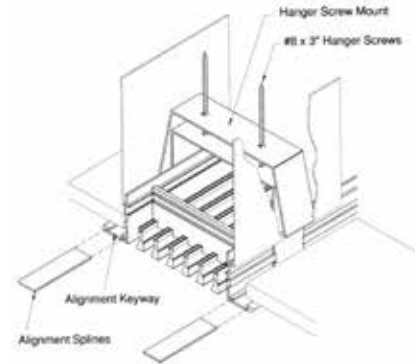
Inlet Chart			
Size	Type	A	B
6	Round	5 7/8	
8	Oval	5 7/8	8 15/16
10	Oval	5 7/8	12 1/16
12	Oval	5 7/8	15 1/4
14	Oval	5 7/8	18 7/16

Linear Bar Grilles Width	DIM W (O.D. Width)	XG-2000H, XG-2100H, XG-2300H, XG-2400H	
		Linear Bar Grilles Width	DIM W (O.D. Width)
1.5	1.875	13	13.375
2	2.375	13.5	13.875
2.5	2.875	14	14.375
3	3.375	14.5	14.875
3.5	3.875	15	15.375
4	4.375	15.5	15.875
4.5	4.875	16	16.375
5	5.375	16.5	16.875
5.5	5.875	17	17.375
6	6.375	17.5	17.875
6.5	6.875	18	18.375
7	7.375	18.5	18.875
7.5	7.875	19	19.375
8	8.375	19.5	19.875
8.5	8.875	20	20.375
9	9.375	20.5	20.875
9.5	9.875	21	21.375
10	10.375	21.5	21.875
10.5	10.875	22	22.375
11	11.375	22.5	22.875
11.5	11.875	23	23.375
12	12.375	23.5	23.875
12.5	12.875	24	24.375

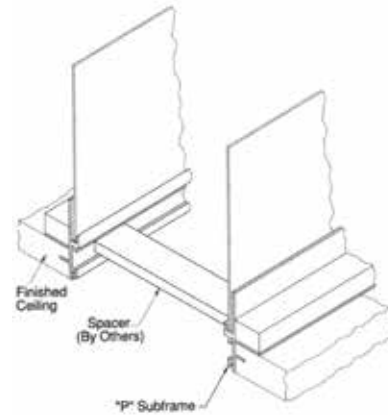
## INSTALLATION INFORMATION

The hanger bracket mounting system is also designed to work well with factory supplied subframe material – both “P” and “W” styles. In order to ensure a satisfactory subframe installation, the following procedures should be followed:

- The factory supplied subframe material should be cut to the proper length (i.e., the nominal size of the Grille).
- The neck of the subframe should be attached to the outside of the ductwork with the ends of the duct nestled in the channel of the subframe extrusion.
- Care should be taken that the face of the subframe material is parallel to the finished surface, and, if being used as a plaster ground, the “P” subframe is recessed the proper distance from the designed finish wall.
- The long sides of the subframe must be braced with appropriately sized spacer bars to prevent distortion of the subframe dimensionally, especially during plastering. Note: this bracing must be done prior to plastering.
- The spacer bars should remain in place until the Grille is installed, and, in a long run, should be removed only when each Grille section is ready for installation. Subframe material used on long runs should be aligned section to section by use of the factory supplied alignment splines. In addition to serving as a plaster ground, the “P” style auxiliary subframe is designed to accommodate standard concealed spline ceiling tiles. The “W” style auxiliary subframe is installed in much the same manner as the “P” style subframe, except that it is usually placed in a ceiling directly against a sidewall. Note that Model XG-2000 Bar Grilles cannot be used with a “W” style subframe next to a wall because the 1” border of the Grille would overlap the subframe.



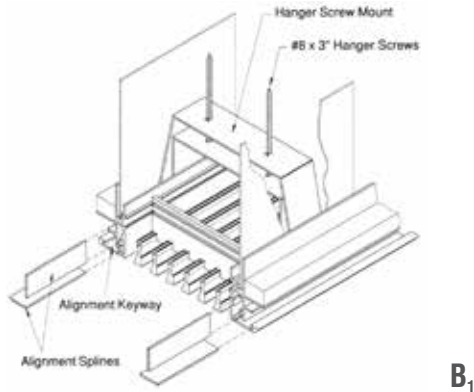
## HANGER BRACKET INSTALLATION INTO HEMMED DUCTS



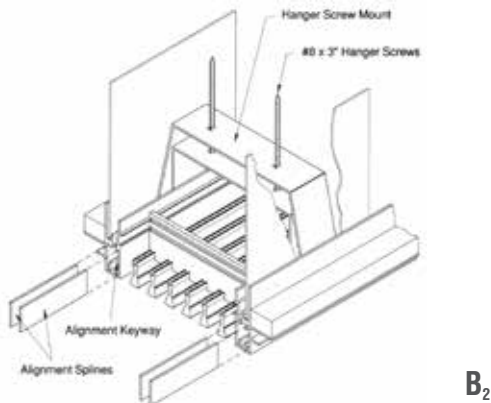
## AUXILLARY SUBFRAME PREPARATION "P" AND "W" STYLES

## INSTALLATION INFORMATION

### HANGER BRACKET INSTALLATION INTO AUXILIARY SUBFRAME



Series XG-2000 and XG-2300 Linear Bar Grilles and Registers are easily installed into auxiliary subframe material using factory supplied hanger brackets and leveling screws according to the following instructions:

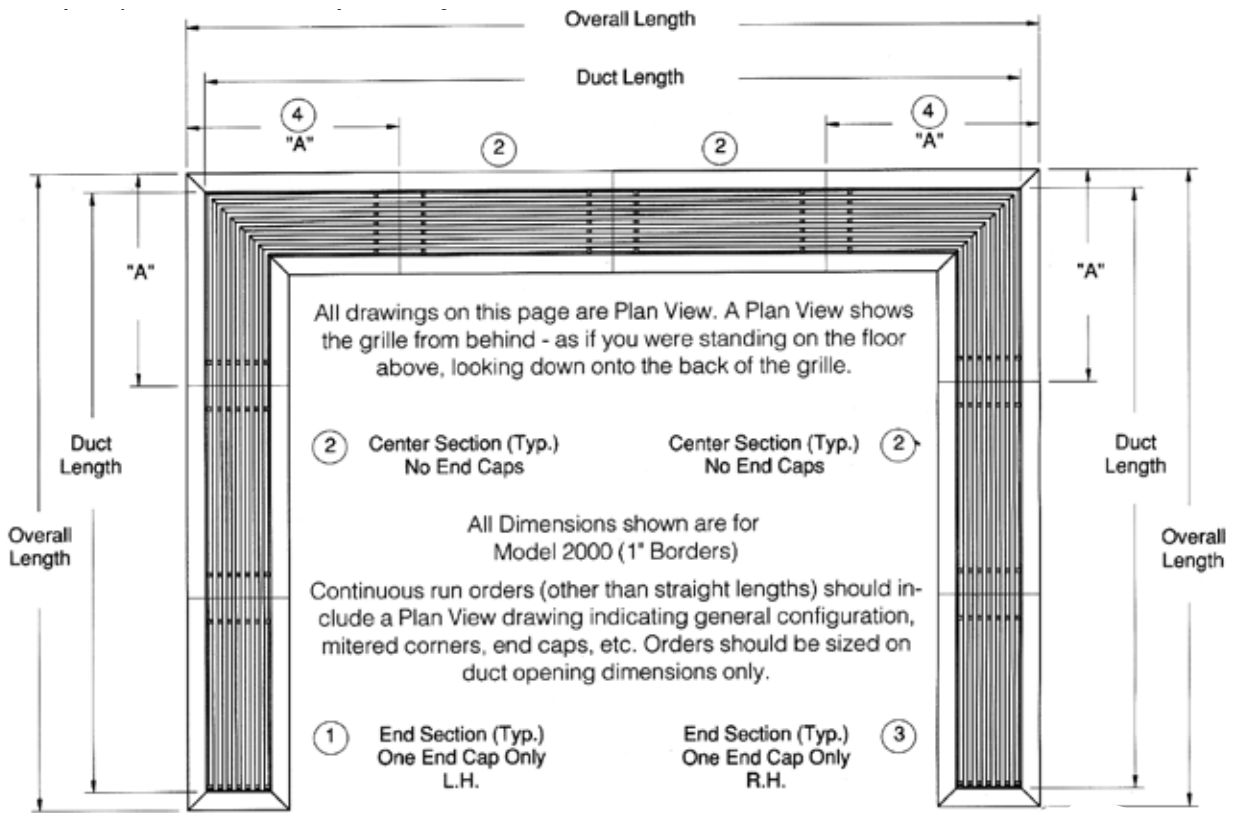


Model XG-2100 units – 1/2 inch Borders Model XG-2100 Bar Grilles and Registers are installed into auxiliary subframes following basically the procedures outlined above. Special care must be taken, however, in the installation of the XG-2100 unit due to the extremely narrow frame borders of these units. Installation should proceed as follows:

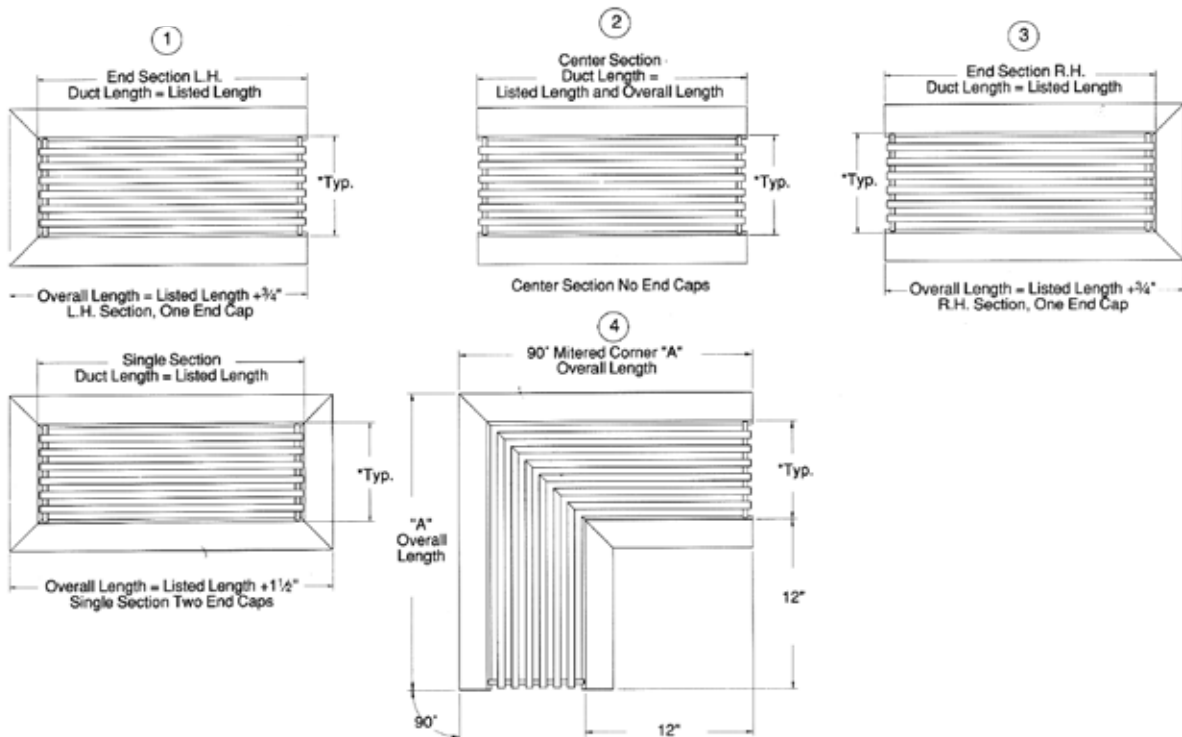
In order to ensure a satisfactory installation, the following procedures should be followed:

- Arrange the appropriate number of hanger brackets and hanger screw mounts (shipped unattached) on the neck of the Grille, positioning the brackets over the hanger screw mounts.
- Insert the supplied #8 X 3" screws through their mounts and into the proper hole in the hanger brackets, locking the Grille and hangers together.
- Position the Grille carefully in the duct opening and press into position, pushing the legs of the hanger brackets past the extruded channel of the auxiliary subframe, allowing them to snap into position (if necessary, press the hanger brackets upward with the screws to seat the brackets properly).
- Tighten the screws to draw the Grille firmly against the ceiling or sidewall, adjusting the tension to accommodate any variation in the mounting surface. In installations where long runs are composed of many separate units, the same procedure should be followed on each Grille section, taking care to use the factory supplied alignment splines to ensure a smooth and unbroken appearance.

## DIMENSIONS AND CONTINUOUS RUNS



LINEAR BAR GRILLES



UP-XG-2000/UPIXG-2000

# LOUVER FACE LINEARS

The Series XG-LFL are designed for continuous length applications where the clean lines of a louver face diffuser are desirable.



## Model XG-LFL-1W One Way Louver Face Linear Diffuser

- Available in either surface mount (-1 border) or T-bar lay-in (-6 border) options
- Can be used for supply or return applications
- Available in continuous lengths from 18"-1200" and is offered in 6", 9" and 12" widths

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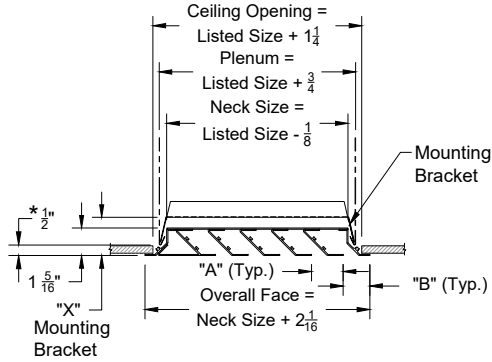
## Model XG-LFL-2W Two Way Louver Face Linear Diffuser

- The XG-LFL-2W includes all the same features of the XG-LFL-1W but is provided with a Two Way air pattern.

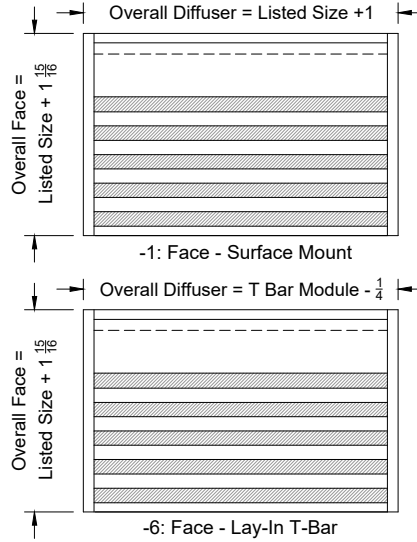
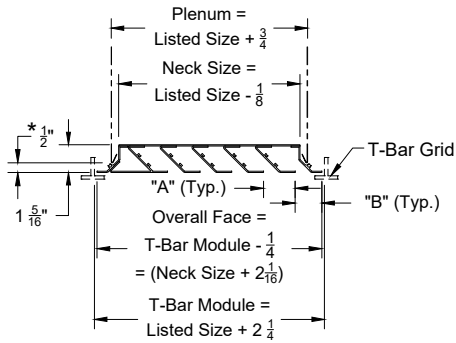
PAGE 160

# Submittal Series XG-LFL-1-WAY

**Model: XG-LFL-1W-1, Surface Mount, With 1 Way Air Pattern**

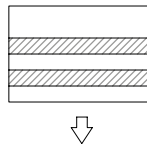


**Model: XG-LFL-1W-6, Lay In T-Bar Mount, With 1 Way Air Pattern**



Listed Size (Available Widths)	6	9	12
Neck Size	5 7/8	6 7/8	11 7/8
Overall Face Width	8	11	15
Blade Spacing "A"	1 5/8	1 9/16	1 9/16
End Spacing "B"	1 3/8	1 5/16	1 5/16
"X" Height - W/O - Damper	2	2	2
"X" Height - With - Damper	3 1/2	3 1/2	3 1/2

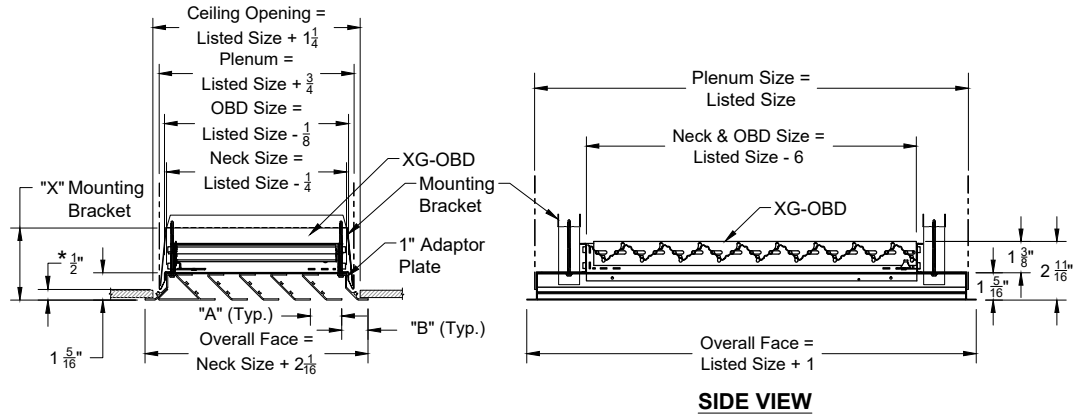
1-Way



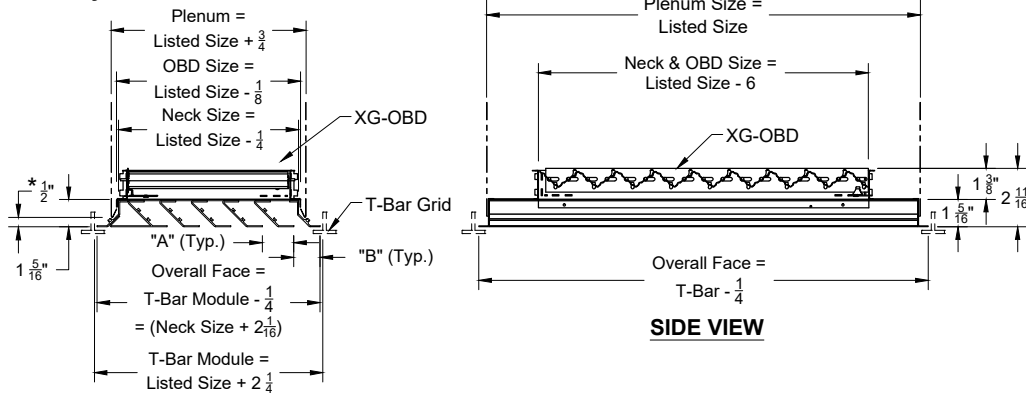
\*Dimension indicates the distance needed for clearance from the bottom of the duct to the ceiling line and must be maintained for proper fit.

# Submittal Series XG-LFL-1-WAY

**Model: XG-LFL-1W-1, Concealed Mount, With 1 Way Air Pattern & XG-OBD**

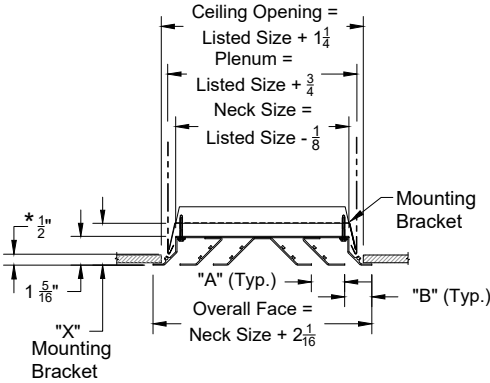


**Model: XG-LFL-1W-6, Lay In T-Bar Mount, With 1 Way Air Pattern & XG-OBD**

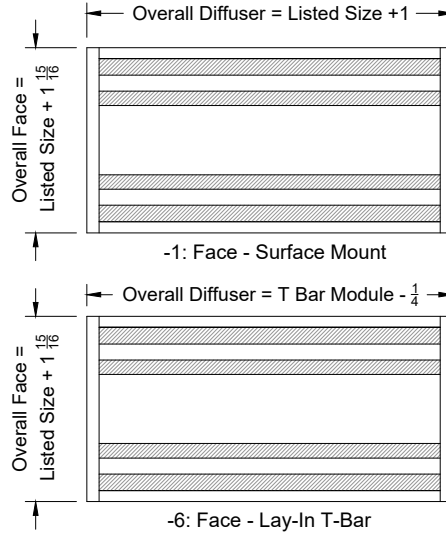
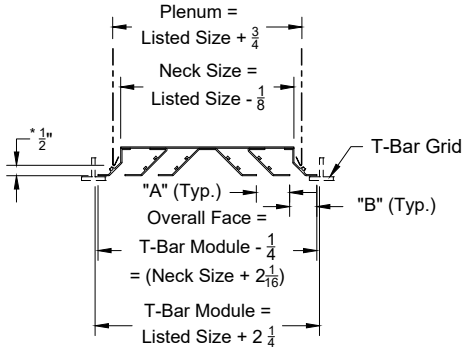


# Submittal Series XG-LFL-2-WAY

**Model: XG-LFL-2W-1, Surface Mount, With 2 way Air Pattern**

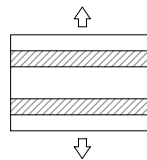


**Model: XG-LFL-2W-6, Lay In T-Bar Mount, With 2 Way Air Pattern**



Listed Size (Available Widths)	6	9	12
Neck Size	5 7/8	6 7/8	11 7/8
Overall Face Width	8	11	14
Blade Spacing "A"	-	1 3/4	1 11/16
End Spacing "B"	1 3/4	1 1/2	1 7/16
"X" Height - W/O - Damper	2	2	2
"X" Height - With - Damper	3 1/2	3 1/2	3 1/2

2-Way

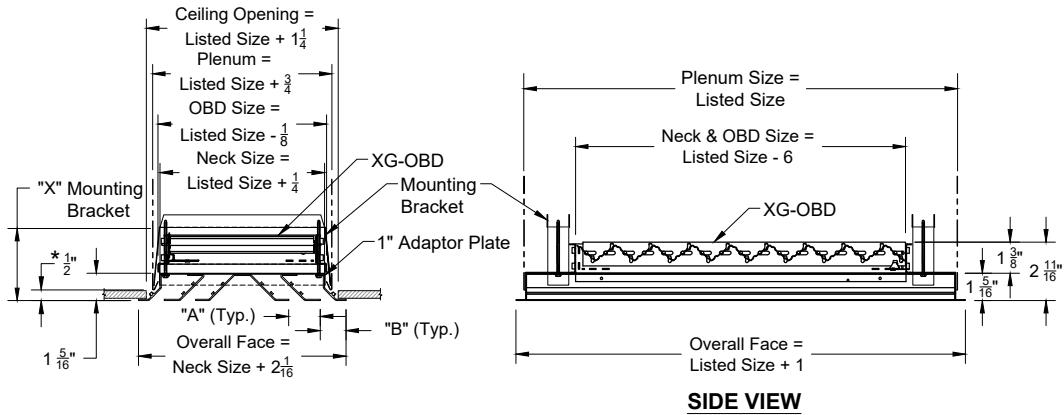


\*Dimension indicates the distance needed for clearance from the bottom of the duct to the ceiling line and must be maintained for proper fit.

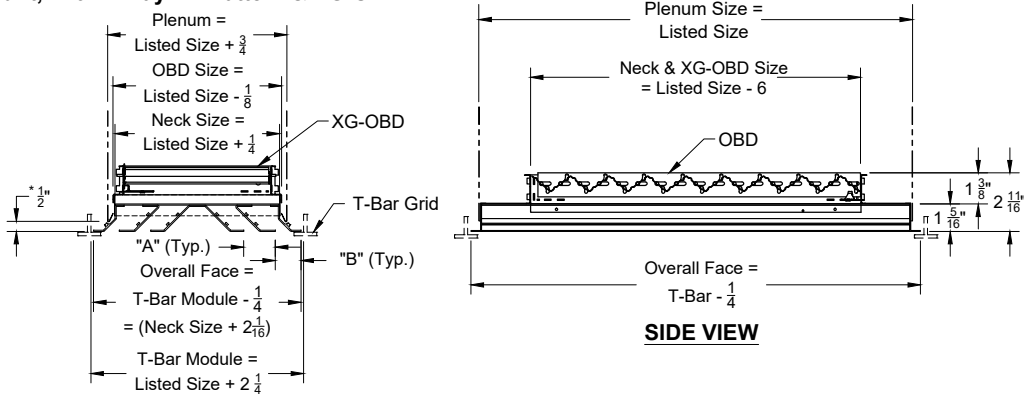


# Submittal Series XG-LFL-2-WAY

## Model: XG-LFL-2W-1, Concealed Mount, With 2 way Air Pattern



## Model: XG-LFL-2W-6, Lay In T-Bar Mount, With 2 Way Air Pattern & XG-OBD



**LOUVER FACE LINEAR DIFFUSER PERFORMANCE DATA**  
**MODEL SERIES XG-LFL**

		Unit Neck Width									
1-Way	6"	CFM/LF	20	40	60	80	100	120	140	160	180
		Pt	0.004	0.014	0.032	0.057	0.088	0.127	0.173	0.226	0.286
		Throw	1-4-10	6-10-20	10-15-26	14-20-30	16-24-33	20-26-36	23-28-39	24-30-42	26-31-44
		NC	-	-	-	-	17	23	30	32	35
	9"	CFM/LF	35	65	100	132	165	198	231	264	297
		Pt	0.005	0.016	0.037	0.065	0.102	0.146	0.199	0.260	0.330
		Throw	3-6-13	9-13-26	13-19-33	17-26-39	21-30-43	26-33-47	29-36-50	31-39-54	33-41-57
		NC	-	-	-	-	21	27	34	37	40
	12"	CFM/LF	45	95	140	185	235	280	325	380	420
		Pt	0.004	0.018	0.040	0.070	0.113	0.161	0.216	0.296	0.320
		Throw	4-8-16	10-16-31	16-23-39	21-31-45	26-36-51	31-39-56	34-42-60	37-45-64	39-48-68
		NC	-	-	-	22	32	38	43	45	50
2-Way	6"	CFM/LF	15	30	45	55	70	80	90	105	120
		Pt	0.004	0.014	0.032	0.057	0.088	0.127	0.173	0.226	0.286
		Throw	1-2-9	4-9-16	9-12-21	11-16-24	14-19-27	16-21-30	19-23-32	20-24-34	21-26-36
		NC	-	-	-	-	-	-	-	18	20
	9"	CFM/LF	25	55	75	105	135	155	185	210	240
		Pt	0.005	0.016	0.037	0.065	0.102	0.146	0.199	0.260	0.300
		Throw	2-4-11	8-11-24	11-17-30	16-24-34	19-27-39	24-30-42	26-32-45	28-34-49	30-36-51
		NC	-	-	-	-	17	23	29	32	35
	12"	CFM/LF	40	80	120	160	200	240	280	320	360
		Pt	0.004	0.018	0.040	0.070	0.113	0.161	0.216	0.296	0.320
		Throw	4-7-14	9-14-29	14-21-36	19-29-42	24-33-47	29-36-51	32-39-56	34-42-59	36-44-63
		NC	-	-	-	18	26	32	36	41	44

**PERFORMANCE NOTES FOR MODEL SERIES XG-LFL**

All data is tested in accordance with ANSI/ASHRAE 70-2006.

**DEFINITION OF UNITS**

CFM/LF Cubic Feet per Minute (air) / per Linear Ft.

Pt Total pressure (inches of water column)

Throw Distance in feet @50fpm terminal velocity with 10°FΔT cooling differential.

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10<sup>-12</sup> watts minus a 10dB room attenuation in all octave bands

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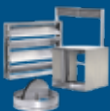


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