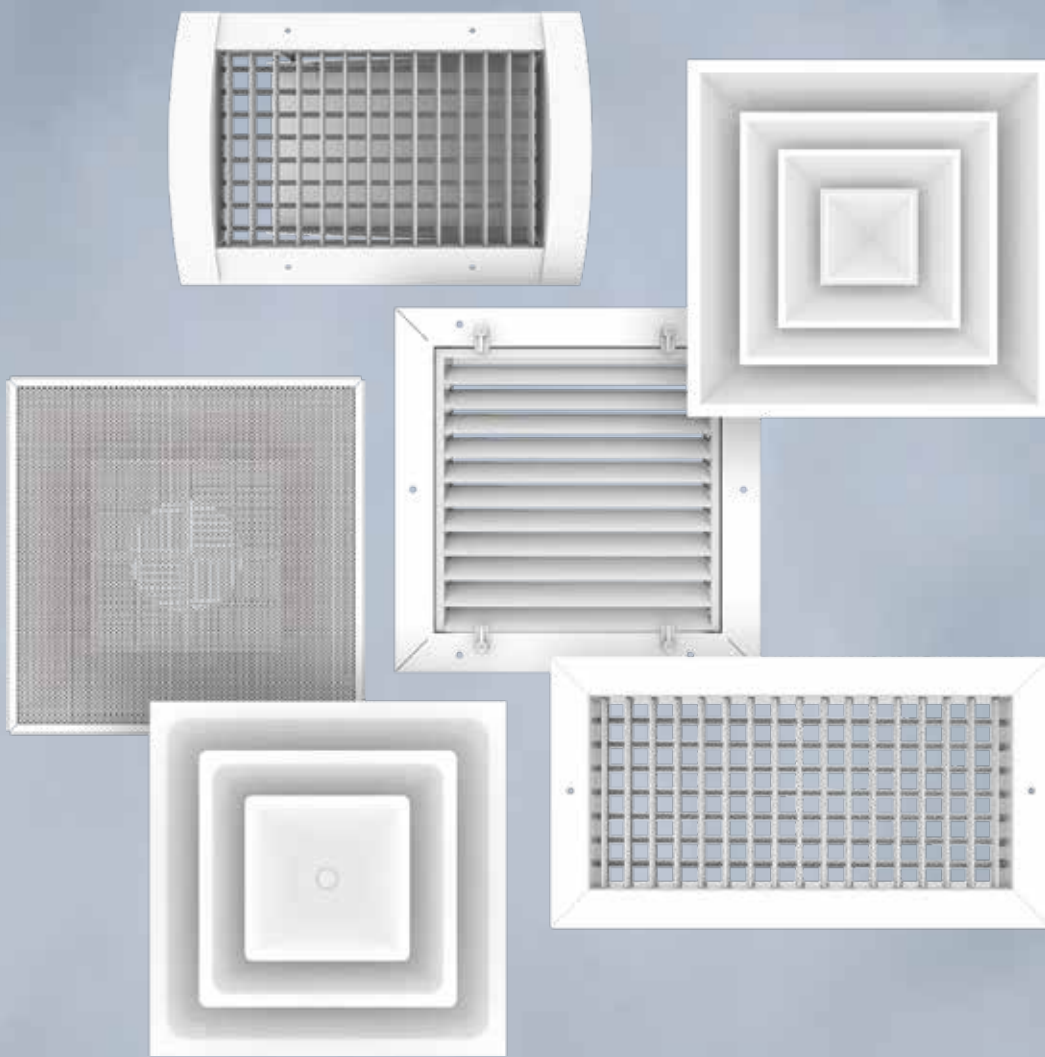


Grilles, Registers and Diffusers



BUILDING VALUE IN AIR.



April
2021

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GRILLES & REGISTERS

- Supply/Return Grilles and Registers
- Spiral Duct Grilles
- Filter Grilles
- Accessories

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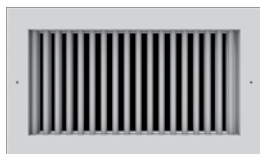
CEILING DIFFUSERS

- Square Face Cone Diffusers
- Louvered Face Diffusers
- Perforated Ceiling Diffusers
- Accessories

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GRILLES AND REGISTERS

Greenheck offers a complete line of Grilles and Registers, including standard supply and return grilles, filter grilles, heavy duty grilles, industrial grilles and a full line of security products.



Supply/Return Grilles and Registers

Greenheck offers a complete line of supply and return grilles that are available in aluminum, steel and stainless steel construction. These products are offered in single and double deflection, perforated face and cube core which fulfills any architectural or performance need.

PAGE 3



Spiral Duct Grilles

Greenheck offers a double deflection and perforated face supply spiral duct grilles as well as a perforated face return. The spiral duct grille is available in both aluminum and galvanized steel construction specifically designed for spiral or round duct applications.

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Filter Grilles

Greenheck offers a complete line of filter grilles which include louvered, cubed core and perforated face. All filter grilles are designed for either 1" or 2" thick filters (by others) and include a hinged face for filter access. Greenheck filter grilles are available in aluminum, steel and stainless steel construction and are an excellent choice for exhaust and return applications

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Grilles and Registers Accessories

Greenheck GRD accessories are primarily designed to improve the overall air handling performance of the system. Proper application of duct and outlet accessories aide in the control of the air distribution system.

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MODEL XG-4000

The XG-4000 series of supply grilles sets the standards for performance and appearance in the industry. They are available in aluminum (XG-4000) and steel (XG-4000S) construction. The XG-4000 is also available in single deflection (XG-4002/XG-4002S), double deflection (XG-4004/XG-4004S) and single deflection with an integral multi-shutter damper (XG-4002M/XG-4002SM). The XG-4000 series is ideal for constant or variable volume systems.

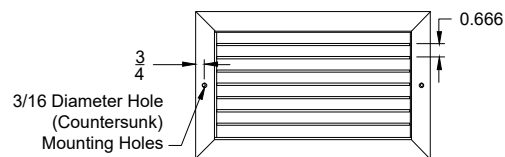
- Available with either vertical or horizontal front blades
- Optional stainless steel construction
- Fully adjustable blades assembled on 2/3" centers
- Optional opposed blade damper available in steel (XG-0BD) or aluminum (XG-0BDA)



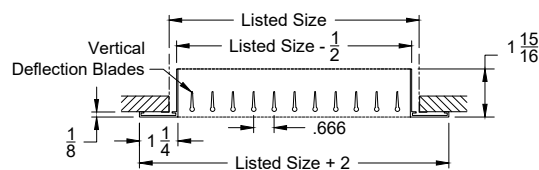
Model: XG-H4002-1 Single Deflection Grille - Horizontal Blades



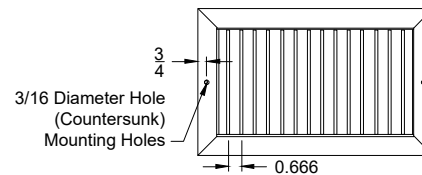
Face View - Horizontal



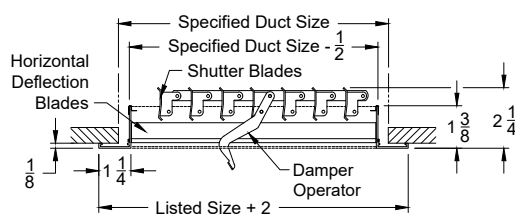
Model: XG-V4002-1 Single Deflection Grille - Vertical Blades



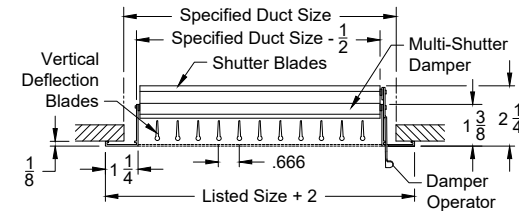
Face View - Vertical Blades



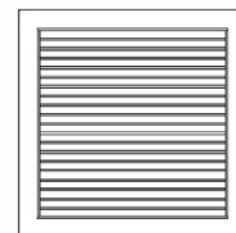
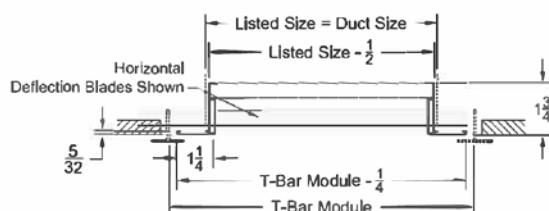
Model: XG-H4002M-1 Single Deflection Register Multi-Shutter Damper - Horizontal Front Blades



Model: XG-V4002M-1 Single Deflection Register Multi-Shutter Damper - Vertical Front Blades

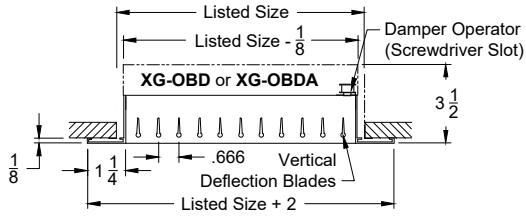


Model: XG-H4002-6/V4002-6 Lay In T-Bar - Single Deflection Grille

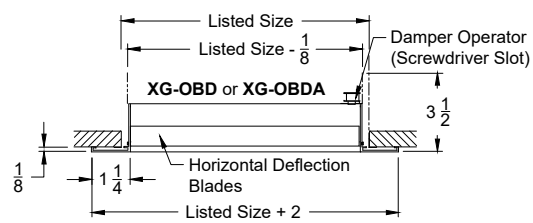


**Front View
(Horizontal Blades Shown)**

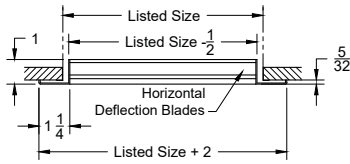
Model: XG-V4002-1 Single Deflection Register - Vertical Blades with Opposed Blade Damper



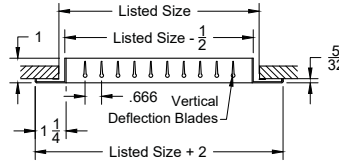
Model: XG-H4002-1 Single Deflection Register - Horizontal Blades with Opposed Blade Damper



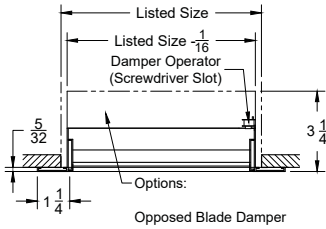
Model: XG-H4002S-1 - Single Deflection Grille With Horizontal Blades



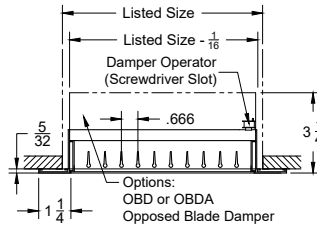
Model: XG-V4002S-1 - Single Deflection Grille With Vertical Blades



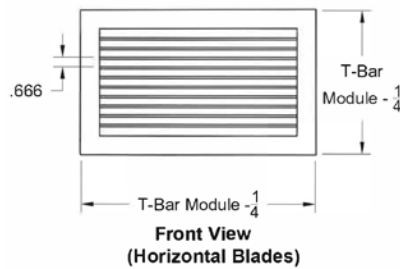
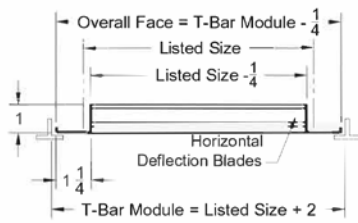
Option: XG-H4002S-1 XG-OB- Single Deflection Register With Opposed Blade Damper With Horizontal Blades



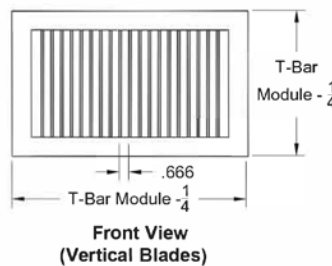
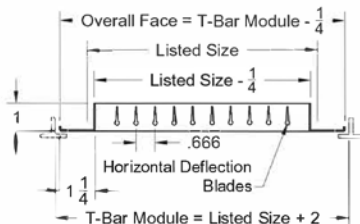
Option: XG-V4002S-1 XG-OB- Single Deflection Register With Opposed Blade Damper With Vertical Opposed Blade Damper



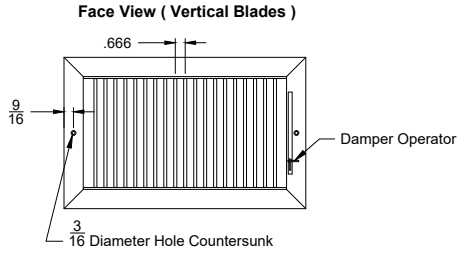
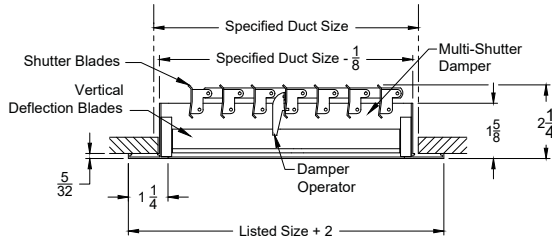
Model: XG-H4002S-6 Single Deflection Grille Lay In T-Bar - Horizontal Blades



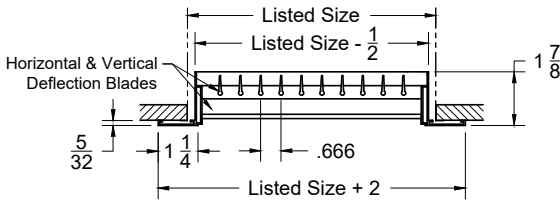
Model: XG-V4002S-6 Single Deflection Grille Lay In T-Bar - Vertical Blades



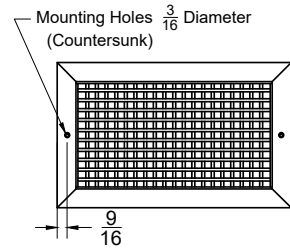
**Model: XG-4002SM (Single Deflection Register)
(Multi-Shutter Damper-Vertical Blades)**



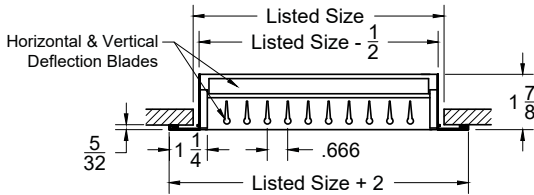
**Model: XG-H4004-1 (Double Deflection
Grille)(Horizontal Front Blades)**



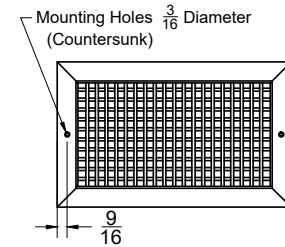
**Face View (Double Deflection)
(Horizontal Front Blades)**



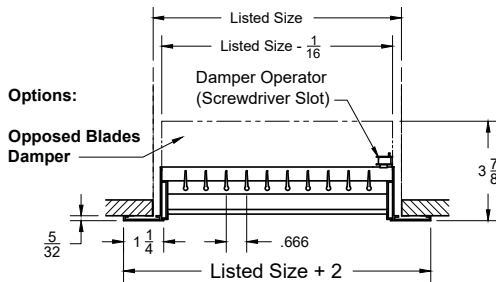
**Model: XG-V4004-1 (Double Deflection Grille)
(Vertical Front Blades)**



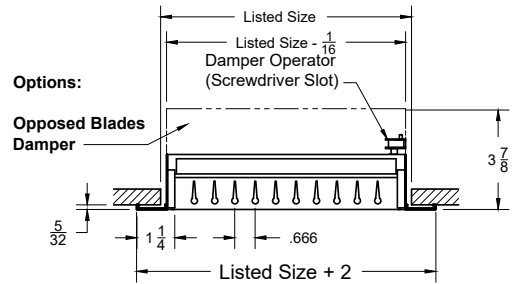
**Face View (Double Deflection)
(Vertical Front Blades)**



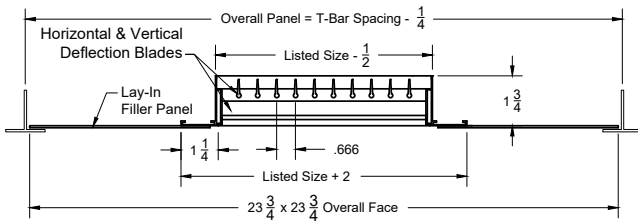
**Model: XG-H4004-1 (Double Deflection Register)
(With Damper-Horizontal Front Blades)**



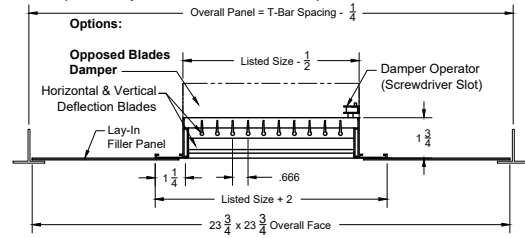
**Model: XG-V4004-1 (Double Deflection Register)
(With Damper-Vertical Front Blades)**



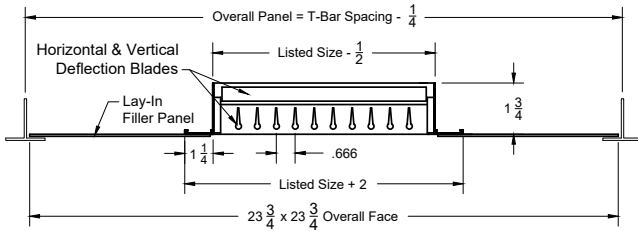
Model: XG-H4004-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel (Horizontal Front Blades)



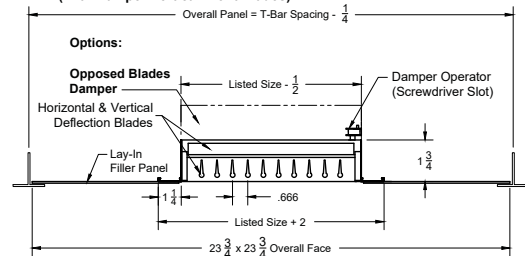
Model: XG-H4004-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel (With Damper - Horizontal Front Blades)



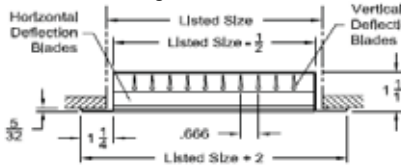
Model: XG-V4004-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel (Vertical Front Blades)



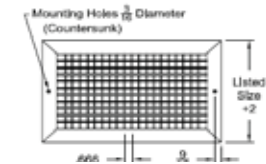
Model: XG-V4004-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel (With Damper Vertical Front Blades)



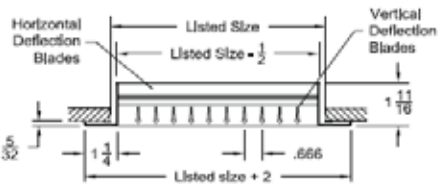
XG-H4004S-1 Sidewall / Ceiling Surface Mount / Horizontal Front Blades



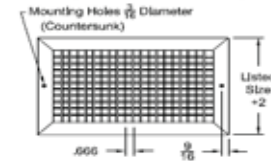
Front View (Double Deflection) (Horizontal Front Blades)



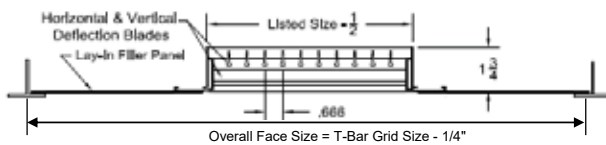
XG-V4004S-1 Sidewall / Ceiling Surface Mount Vertical Front Blades



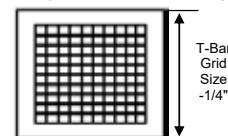
Front View (Double Deflection) (Vertical Front Blades)



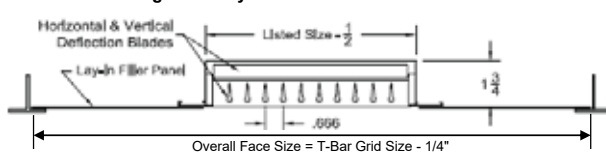
XG-H4004S-6 Ceiling T-Bar Lay-In Horizontal Front Blades



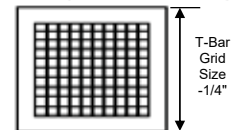
Front View (Double Deflection) (Horizontal Front Blades)



XG-4004S-6 Ceiling T-Bar Lay-In Vertical Front Blades



Front View (Double Deflection) (Vertical Front Blades)



SERIES XG-4000 SPECIFICATIONS

SUPPLY – SINGLE DEFLECTION – ALUMINUM/STEEL – MODEL XG-4002/XG-4002S

- Air outlets shall be model XG-V4002/XG-V4002S (vertical front blades) or XG-H4002/XG-H4002S (horizontal front blades) manufactured by Greenheck. Units shall be single deflection supply grilles of aluminum (XG-4002) or steel (XG-4002S) construction and a single set of vertical blades. The units shall be the size and quantity as outlined in the plans and specifications. Border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center. Deflector blades shall be individually adjustable. Units designed for surface mounting applications shall be provided with screw holes in the face of the device. Blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.
- Optional opposed blade damper shall be constructed of steel (Model XG-0BD) or aluminum (Model XG-0BDA).
- Damper must be operable from the face of the register.

SUPPLY – DOUBLE DEFLECTION – ALUMINUM/STEEL – MODEL XG-4004/XG-4004S

- Air outlets shall be model XG-V4004/XG-V4004S (vertical front blades) or XG-H4004/XG-H4004S (horizontal front blades) manufactured by Greenheck. Units shall be double deflection supply grilles of aluminum (XG-4004) or steel (XG-4004S) construction with front vertical blades and rear horizontal blades. The units shall be the size and quantity as outlined in the plans and specifications. Border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center. Deflector blades shall be individually adjustable. Units designed for surface mounting applications and be provided with screw holes in the face of the device. Blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.

- Optional opposed blade damper shall be constructed of steel (Model XG-0BD) or aluminum (Model XG-0BDA).
- Damper must be operable from the face of the register.

SUPPLY – SINGLE DEFLECTION – MULTI-SHUTTER DAMPER – ALUMINUM/ STEEL – MODEL XG-4002M/XG-4002SM

- Air outlets shall be model XG-V4002M/XG-V4002SM (vertical front blades) or XG-H4002M/XG-H4002SM (horizontal front blades) manufactured by Greenheck. Units shall be single deflection supply with a face operated multi-shutter damper. Units shall be single deflection supply grilles of aluminum (XG-4002M) or steel (XG-4002SM) construction and a single set of vertical blades. The units shall be the size and quantity as outlined in the plans and specifications. Border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center. Deflector blades shall be individually adjustable. Units designed for surface mounting applications shall be provided with screw holes in the face of the device. Blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.

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.

XG-4000 MODEL NUMBER SPECIFICATION SINGLE/DOUBLE DEFLECTION SURFACE MOUNT

Model		Neck											
		6	8	10	12	14	16	18	20	22	24	26	
XG-V4002-1	Al. - Vertical Blade - Single Def.												
XG-H4002-1	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X	
XG-V4002S-1	Steel - Vertical Blade - Single Def.	5	X	X	X	X	X	X	X	X	X	X	
XG-H4002S-1	Steel - Horizontal Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X	
XG-V4004-1	Al. - Vertical Blade - Double Def.	8	X	X	X	X	X	X	X	X	X	X	
XG-H4004-1	Al. - Horizontal Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X	
XG-V4004S-1	Steel - Vertical Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X	
XG-H4004S-1	Steel - Horizontal Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46	X	X	X	X	X	X	X	X	X	X	
		48	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LI-PF	Lay-In Plaster Frame
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XG-4000 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION SURFACE MOUNT

Model		Neck											
		28	30	32	34	36	38	40	42	44	46	48	
XG-V4002-1	Al. - Vertical Blade - Single Def.												
XG-H4002-1	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X	
XG-V4002S-1	Steel - Vertical Blade - Single Def.	5	X	X	X	X	X	X	X	X	X	X	
XG-H4002S-1	Steel - Horizontal Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X	
XG-V4004-1	Al. - Vertical Blade - Double Def.	8	X	X	X	X	X	X	X	X	X	X	
XG-H4004-1	Al. - Horizontal Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X	
XG-V4004S-1	Steel - Vertical Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X	
XG-H4004S-1	Steel - Horizontal Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46	X	X	X	X	X	X	X	X	X	X	
		48	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LI-PF	Lay-In Plaster Frame
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XG-4000 MODEL NUMBER SPECIFICATION SINGLE/DOUBLE DEFLECTION LAY-IN

Model		Neck										Module
		6	8	10	12	14	16	18	20	22	24	
XG-V4002-6	Al. - Vertical Blade - Single Def.		X	X								12 x 12
XG-H4002-6	Al. - Horizontal Blade - Single Def.	4	X	X								
XG-V4002S-6	Steel - Vertical Blade - Single Def.	6	X	X								
XG-H4002S-6	Steel - Horizontal Blade - Single Def.	8	X	X								
XG-V4004-6	Al. - Vertical Blade - Double Def.	10			X							24 x 12
XG-H4004-6	Al. - Horizontal Blade - Double Def.	4	X	X	X	X	X	X	X			
XG-V4004S-6	Steel - Vertical Blade - Double Def.	6	X	X	X	X	X	X	X	X		
XG-H4004S-6	Steel - Horizontal Blade - Double Def.	8	X	X	X	X	X	X	X	X		24 x 24
		10								X		
		4	X	X	X	X	X	X	X	X		
		6	X	X	X	X	X	X	X	X		
		8	X	X	X	X	X	X	X	X		
		10	X	X	X	X	X	X	X	X		
		12	X	X	X	X	X	X	X	X		
		14	X	X	X	X	X	X	X	X		
		16	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X		
		22								X		
		4	X	X	X	X	X	X	X	X	X	48 x 24
		6	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TB-PF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

**XG-4000 MODEL NUMBER SPECIFICATION
 SINGLE/DOUBLE DEFLECTION LAY-IN**

Model		Neck											Module	
		26	28	30	32	34	36	38	40	42	44	46		
XG-V4002-6	Al. - Vertical Blade - Single Def.		X	X	X	X	X	X	X	X	X	X		48 x 24
XG-H4002-6	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X		
XG-V4002S-6	Steel - Vertical Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X		
XG-H4002S-6	Steel - Horizontal Blade - Single Def.	8	X	X	X	X	X	X	X	X	X	X		
XG-V4004-6	Al. - Vertical Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X		
XG-H4004-6	Al. - Horizontal Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X		
XG-V4004S-6	Steel - Vertical Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X		
XG-H4004S-6	Steel - Horizontal Blade - Double Def.	16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X	X		
		22											X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TB-PF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-ITR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

**XG-4000 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION LAY-IN**

Model		Neck											Module
		6	8	10	12	14	16	18	20	22	24		
XG-V4002-6	Al. - Vertical Blade - Single Def.		X	X	X	X	X	X	X	X	X	X	48 x 48
XG-H4002-6	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X	
XG-V4002S-6	Steel - Vertical Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X	
XG-H4002S-6	Steel - Horizontal Blade - Single Def.	8	X	X	X	X	X	X	X	X	X	X	
XG-V4004-6	Al. - Vertical Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X	
XG-H4004-6	Al. - Horizontal Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X	
XG-V4004S-6	Steel - Vertical Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X	
XG-H4004S-6	Steel - Horizontal Blade - Double Def.	16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46											

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TB-PF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-4000 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION LAY-IN

Model		Neck											46	Module
		26	28	30	32	34	36	38	40	42	44			
XG-V4002-6	Al. - Vertical Blade - Single Def.		X	X	X	X	X	X	X	X	X	X		48 x 48
XG-H4002-6	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X		
XG-V4002S-6	Steel - Vertical Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X		
XG-H4002S-6	Steel - Horizontal Blade - Single Def.	8	X	X	X	X	X	X	X	X	X	X		
XG-V4004-6	Al. - Vertical Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X		
XG-H4004-6	Al. - Horizontal Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X		
XG-V4004S-6	Steel - Vertical Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X		
XG-H4004S-6	Steel - Horizontal Blade - Double Def.	16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X	X		
		22	X	X	X	X	X	X	X	X	X	X		
		24	X	X	X	X	X	X	X	X	X	X		
		26	X	X	X	X	X	X	X	X	X	X		
		28	X	X	X	X	X	X	X	X	X	X		
		30	X	X	X	X	X	X	X	X	X	X		
		32	X	X	X	X	X	X	X	X	X	X		
		34	X	X	X	X	X	X	X	X	X	X		
		36	X	X	X	X	X	X	X	X	X	X		
		38	X	X	X	X	X	X	X	X	X	X		
		40	X	X	X	X	X	X	X	X	X	X		
		42	X	X	X	X	X	X	X	X	X	X		
		44	X	X	X	X	X	X	X	X	X	X		
		46											X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TB-PF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

**XG-4000 MODEL NUMBER SPECIFICATION
SINGLE DEFLECTION – MULTI-SHUTTER DAMPER**

Model		Neck										Available Finishes		
XG-V4002M-1	Aluminum - Vertical Blade		6	8	10	12	14	16	18	20	22	24	Standard	
XG-H4002M-1	Aluminum - Horizontal Blade	4	X	X	X	X	X	X	X	X	X	X	01	White
XG-V4002SM-1	Steel - Vertical Blade	5	X	X	X	X	X	X	X	X	X	X	Optional	
XG-H4002SM-1	Steel - Horizontal Blade	6	X	X	X	X	X	X	X	X	X	X	02	Satin Silver
		8	X	X	X	X	X	X	X	X	X	X	03	Black
		10	X	X	X	X	X	X	X	X	X	X	24	Mill (Al. Construction Only)
		12	X	X	X	X	X	X	X	X	X	X	28	Custom Color
		14	X	X	X	X	X	X	X	X	X	X		
		16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X	X		
		22	X	X	X	X	X	X	X	X	X	X		
		24	X	X	X	X	X	X	X	X	X	X		

SERIES XG-4000 PERFORMANCE DATA
MODELS XG-H/V4002, XG-H/V4004, XG-H/V4002M, XG-H/V4002S, XG-H/V4004S, XG-H/V4002SM

Size	Nk Vel		200	300	400	500	600	700	800	1000
	Pt		.007	.015	.027	.042	.061	.083	.108	.169
06x04	Ac ft ²	CFM	24	36	48	60	72	84	96	120
	0.17	NC	-	-	-	-	-	-	11	18
	Throw		2-4-8	4-6-11	5-8-13	7-10-14	8-11-16	9-12-17	10-13-18	12-14-20
06x06	Ac ft ²	CFM	38	57	76	95	114	133	152	190
	0.25	NC	-	-	-	-	-	10	13	20
	Throw		4-8-17	7-12-21	10-15-24	12-17-26	14-20-28	15-21-30	17-23-32	19-24-34
08x08 10x06 12x05	Ac ft ²	CFM	73	110	146	183	219	256	292	365
	0.42	NC	-	-	-	-	11	13	16	22
	Throw		3-6-14	6-10-19	9-14-22	11-17-25	14-19-27	16-21-29	18-22-31	20-25-35
12x06	Ac ft ²	CFM	82	123	164	205	246	287	328	410
	0.50	NC	-	-	-	11	11	13	16	23
	Throw		3-7-15	7-11-20	10-15-24	12-18-26	15-20-29	17-22-31	19-24-33	21-26-37
10x08 14x6	Ac ft ²	CFM	93	140	186	233	279	326	372	465
	0.56	NC	-	-	-	10	12	14	17	23
	Throw		3-7-16	7-12-22	10-16-25	13-19-28	16-22-31	18-23-33	20-25-35	23-28-40
10x10 12x08 16x06	Ac ft ²	CFM	118	172	238	297	357	414	478	592
	0.69	NC	-	-	-	11	13	15	18	24
	Throw		4-8-18	8-13-25	12-18-28	15-22-32	18-25-35	20-27-37	23-28-40	26-32-45
14x08 18x06	Ac ft ²	CFM	134	201	267	335	394	468	534	661
	0.67	NC	-	-	-	11	13	15	18	25
	Throw		4-9-19	9-14-26	13-20-30	16-23-34	19-26-37	23-29-41	25-30-42	27-34-47
12x10 20x06	Ac ft ²	CFM	145	218	290	363	435	509	582	729
	0.83	NC	-	-	10	11	13	16	18	25
	Throw		4-9-19	9-15-27	13-19-31	16-24-35	19-27-38	23-29-41	26-31-44	29-35-49
16x08 22x06	Ac ft ²	CFM	153	230	306	383	459	536	612	765
	0.89	NC	-	-	10	12	14	16	19	25
	Throw		4-9-20	9-15-28	13-20-32	17-25-36	20-28-39	23-30-43	26-32-46	29-36-51
14x10 28x05	Ac ft ²	CFM	170	255	340	425	510	595	680	850
	0.85	NC	-	-	10	12	14	16	19	26
	Throw		4-10-21	10-16-29	14-21-34	18-26-38	21-29-42	25-32-45	28-34-48	31-38-54
12x12 24x06 18x08	Ac ft ²	CFM	176	263	351	439	527	615	701	878
	0.88	NC	-	-	10	12	14	16	19	26
	Throw		8-19-38	14-25-46	21-31-51	25-37-56	29-43-60	33-46-64	37-48-68	41-51-72
30x06 18x10	Ac ft ²	CFM	213	320	426	533	640	746	853	1066
	1.07	NC	-	10	11	13	15	17	20	27
	Throw		5-11-24	11-18-33	16-24-38	20-29-42	24-33-46	27-36-50	31-38-54	35-42-60

SERIES XG-4000 PERFORMANCE DATA
MODELS XG-H/V4002, XG-H/V4004, XG-H/V4002M, XG-H/V4002S, XG-H/V4004S, XG-H/V4002SM

Size		Nk Vel	200	300	400	500	600	700	800	1000
		Pt	.007	.015	.027	.042	.061	.083	.108	.169
14x14	Ac ft ²	CFM	244	366	488	610	732	853	975	1219
	1.22	NC	-	10	12	13	15	18	21	27
	Throw			5-12-25	12-19-35	17-25-41	21-31-45	25-35-50	29-38-54	33-41-57
36x06 18x12	Ac ft ²	CFM	257	366	514	643	771	900	1028	1285
	1.29	NC	10	11	12	14	16	18	21	28
	Throw			5-12-26	12-19-36	17-26-42	22-32-47	26-36-51	30-39-55	34-42-59
22x10	Ac ft ²	CFM	273	410	546	683	819	956	1092	1385
	1.37	NC	10	11	12	14	16	18	21	28
	Throw			6-12-27	12-20-37	18-27-43	22-33-48	27-37-53	31-40-57	35-43-61
30x08 24x10	Ac ft ²	CFM	295	442	589	736	884	1031	1178	1472
	1.48	NC	10	11	13	14	16	19	21	28
	Throw			6-13-28	13-21-39	18-28-45	23-35-50	28-39-55	32-42-59	36-45-63
16x16	Ac ft ²	CFM	323	485	646	808	969	1131	1292	1615
	1.62	NC	11	12	13	15	17	19	22	28
	Throw			6-14-29	14-22-40	19-29-47	24-36-52	29-40-57	34-44-62	38-47-66

PERFORMANCE NOTES FOR SERIES XG-4000
All data is tested in accordance with ANSI/ASHRAE 70-2006.
DEFINITION OF UNITS
CFM Air volume is cubic feet per minute

Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute

fpm Velocity of air stream in Feet per Minute

Throw Throw distance in feet are for terminal velocities of 150 fpm, 100 fpm and 50 fpm respectively

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

Pt Total pressures in inches of water

Ac Actual Core Free Area in square feet

SERIES XG-4000 PERFORMANCE DATA
MODELS XG-H/V4002, XG-H/V4004, XG-H/V4002M, XG-H/V4002S, XG-H/V4004S, XG-H/V4002SM

Size	Nk Vel		200	300	400	500	600	700	800	1000
	Ac ft ²	Pt	.007	.015	.027	.042	.061	.083	.108	.169
24x12 36x08 48x06	Ac ft ²	CFM	364	546	727	909	1090	1272	1453	1816
	1.82	NC	11	12	13	15	17	20	22	29
	Throw		6-13-30	14-23-43	20-31-50	26-38-55	31-43-61	36-46-66	40-50-70	45-55-78
18x18	Ac ft ²	CFM	414	621	87	1034	1240	1447	1653	2066
	2.07	NC	12	13	14	16	18	20	23	29
	Throw		7-15-33	15-25-46	22-33-53	27-41-59	33-46-65	38-49-70	43-53-75	48-59-84
30x12 36x10	Ac ft ²	CFM	456	685	914	1142	1371	1600	1829	2386
	2.28	NC	12	13	14	16	18	20	23	30
	Throw		7-16-34	16-26-48	23-34-56	29-43-62	34-48-68	40-52-74	45-56-79	51-62-88
20x20	Ac ft ²	CFM	515	772	1030	1287	1545	1802	2059	2574
	2.59	NC	13	14	15	17	19	21	24	30
	Throw		8-17-37	17-27-51	24-37-59	30-46-66	37-51-72	43-55-78	48-59-83	54-66-93
24x18 36x12	Ac ft ²	CFM	550	826	1101	1377	1653	1928	2204	2755
	2.75	NC	13	14	15	17	19	21	24	31
	Throw		8-18-38	18-28-53	25-38-61	32-47-68	38-53-75	44-57-81	50-61-86	56-68-96
22x22 24x20 48x10	Ac ft ²	CFM	626	940	1254	1567	1881	2195	2509	3136
	3.13	NC	13	14	16	17	19	22	25	31
	Throw		8-19-40	19-30-56	27-40-65	34-50-73	40-56-80	47-61-86	53-65-92	59-73-103
24x24 36x16 48x12	Ac ft ²	CFM	750	116	1501	1877	2252	2628	3003	3754
	3.75	NC	14	15	16	18	20	23	25	32
	Throw		9-21-44	21-33-62	29-44-71	37-55-80	44-62-87	52-67-94	58-71-101	65-80-113
30x24 36x20	Ac ft ²	CFM	946	1297	1848	1999	2350	2701	3052	3754
	4.73	NC	15	16	17	19	21	23	26	33
	Throw		10-23-50	19-34-66	29-43-75	35-52-82	41-62-89	47-68-96	53-72-102	65-80-113
28x28	Ac ft ²	CFM	1030	1546	2061	2577	3093	3608	4124	5155
	5.15	NC	16	17	18	19	21	24	27	33
	Throw		11-24-52	24-39-72	34-52-83	43-65-93	52-72-102	60-78-110	68-83-118	76-93-132
36x24 48x18	Ac ft ²	CFM	1140	1709	2278	2846	3415	3984	4553	5690
	5.70	NC	16	17	18	20	22	24	27	34
	Throw		11-25-54	25-41-76	36-54-88	45-68-98	54-76-107	63-82-116	72-88-124	80-98-139
30x30	Ac ft ²	CFM	1190	1784	2378	2971	3565	4159	4753	5940
	5.95	NC	16	17	18	20	22	24	27	34
	Throw		12-26-56	26-42-78	37-56-90	46-69-100	56-78-110	65-84-119	73-90-127	82-100-142

SERIES XG-4000 PERFORMANCE DATA
**MODELS XG-H/V4002, XG-H/V4004, XG-H/V4002M, XG-H/V4002S, XG-H/V4004S,
XG-H/V4002SM**

Size		Nk Vel	200	300	400	500	600	700	800	1000
		Pt	.007	.015	.027	.042	.061	.083	.108	.169
32x30	Ac ft ²	CFM	1270	1905	2540	3175	3810	4445	5080	6350
	6.35	NC	17	18	19	21	23	25	28	34
	Throw		12-27-57	27-43-80	38-57-93	48-72-104	57-80-113	67-87-123	76-93-131	85-104-147
36x28 42x24	Ac ft ²	CFM	1330	1996	2663	3329	3995	4661	5328	6660
	6.65	NC	17	18	19	21	23	25	28	34
	Throw		12-27-59	27-44-82	39-59-95	49-73-106	59-82-116	69-89-126	77-95-134	87-106-150
36x30	Ac ft ²	CFM	1430	2146	2863	3579	4295	5011	5728	7160
	7.15	NC	17	18	19	21	23	25	28	35
	Throw		13-28-61	28-46-85	41-61-98	51-76-110	61-85-120	71-92-130	80-98-139	90-110-156
36x32 48x24 34x34	Ac ft ²	CFM	1525	2288	3051	3814	4578	5341	6104	7630
	7.63	NC	17	18	19	21	23	26	28	35
	Throw		13-29-63	29-47-88	42-63-102	52-79-114	63-88-124	73-95-134	83-102-144	93-114-161
36x36	Ac ft ²	CFM	1730	2593	3455	4318	5180	6043	6905	8630
	8.65	NC	18	19	20	22	24	26	29	35
	Throw		14-31-67	31-50-94	45-67-108	56-84-121	67-94-132	78-101-143	88-108-153	99-121-171
38x38	Ac ft ²	CFM	1930	2894	3858	4821	5785	6749	7713	9640
	9.65	NC	18	19	20	22	24	27	29	36
	Throw		15-33-71	33-53-99	47-71-114	59-88-128	71-99-140	83-107-151	93-114-161	104-128-181

PERFORMANCE NOTES FOR SERIES XG-4000
All data is tested in accordance with ANSI/ASHRAE 70-2006.
DEFINITION OF UNITS
CFM Air volume is cubic feet per minute
Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute
fpm Velocity of air stream in Feet per Minute
Throw Throw distance in feet are for terminal velocities of 150 fpm, 100 fpm and 50 fpm respectively
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
Pt Total pressures in inches of water
Ac Actual Core Free Area in square feet

SERIES XG-4000 PERFORMANCE DATA

MODELS XG-H/V4002, XG-H/V4004, XG-H/V4002M, XG-H/V4002S, XG-H/V4004S, XG-H/V4002SM

Size		Nk Vel	100	200	300	400	500	600	700	800
		Pt	.002	.007	.015	.027	.042	.061	.083	.108
42x36	Ac ft ²	CFM	1010	2020	3030	4040	5050	6060	7070	8080
	10.10	NC	15	18	19	21	22	24	27	29
	Throw		4-8-34	15-34-72	34-54-101	48-72-117	60-91-131	72-101-143	85-109-155	95-117-165
40x40	Ac ft ²	CFM	1070	2140	3210	4280	5350	6420	7490	8560
	10.70	NC	15	19	20	21	23	25	27	30
	Throw		4-9-35	15-35-75	35-56-104	50-75-120	62-93-134	75-104-147	87-113-159	98-120-170
48x36	Ac ft ²	CFM	1160	2316	3473	4629	5785	6941	8098	9254
	11.60	NC	15	19	20	21	23	25	27	30
	Throw		4-9-36	16-36-78	36-58-108	52-78-125	65-97-140	78-108-153	90-117-165	102-125-177
42x42	Ac ft ²	CFM	1180	2363	3545	4728	5910	7093	8275	9458
	11.80	NC	15	19	20	21	23	25	27	30
	Throw		4-9-37	16-37-78	37-59-109	52-78-126	65-98-141	78-109-155	91-118-167	103-126-179
44x44	Ac ft ²	CFM	1300	2599	3898	5196	6495	7794	9093	10391
	13.00	NC	16	20	21	22	24	26	28	31
	Throw		4-10-38	17-38-82	38-62-115	55-82-133	68-103-148	82-115-162	96-124-175	108-133-187
48x42	Ac ft ²	CFM	1360	2713	4065	5418	6770	8123	9475	10828
	13.60	NC	16	20	21	22	24	26	28	31
	Throw		4-10-40	17-39-84	39-63-117	56-84-135	70-105-151	84-117-166	98-127-179	110-135-191
46x46	Ac ft ²	CFM	1420	2843	4265	5688	7110	8533	9955	11378
	14.20	NC	16	20	21	22	24	26	28	31
	Throw		4-10-40	18-40-86	40-64-120	57-86-139	72-107-155	86-120-170	100-130-183	113-139-196
48x48	Ac ft ²	CFM	1550	3101	4653	6204	7755	9306	10858	12409
	15.50	NC	17	20	21	22	24	26	29	32
	Throw		5-10-42	19-42-90	42-67-125	60-90-145	75-112-162	90-125-177	105-135-192	118-145-205

PERFORMANCE NOTES FOR SERIES XG-4000

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

DEFINITION OF UNITS

CFM Air volume is cubic feet per minute

Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute

fpm Velocity of air stream in Feet per Minute

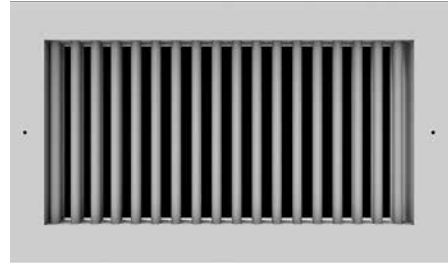
Throw Throw distance in feet are for terminal velocities of 150 fpm, 100 fpm and 50 fpm respectively

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

Pt Total pressures in inches of water

Ac Actual Core Free Area in square feet

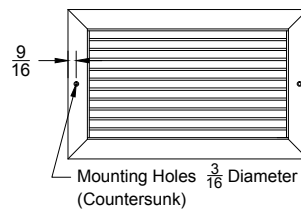
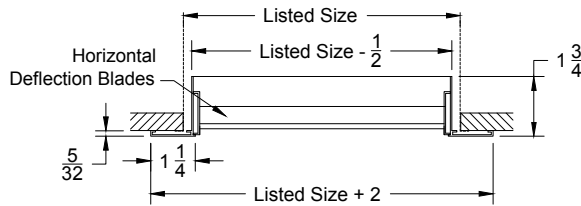
MODEL XG-4000-AF



The XG-4000-AF series is Greenheck's premier product, offering superior construction and high performance with aerodynamic airfoil blades. The XG-4000-AF is available in aluminum (XG-4000-AF) and steel (XG-4000S-AF) construction. It is also available in single deflection (XG-4002-AF/XG-4002S-AF) and double deflection (XG-4004-AF/XG-4004S-AF).

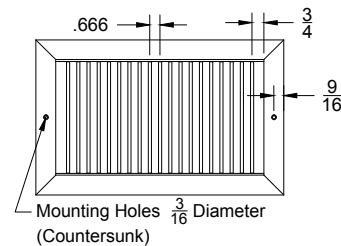
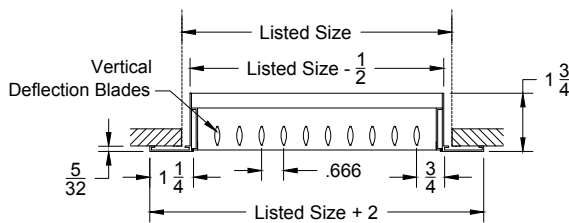
- Available with either vertical or horizontal front blades
- Fully adjustable blades assembled on 2/3" center
- Extruded aluminum airfoil blades
- Optional opposed blade damper available in steel (XG-OBD) or aluminum (XG-OBDA)

Model: XG-H4002-AF-1 - Single Deflection Grille With Horizontal Blades



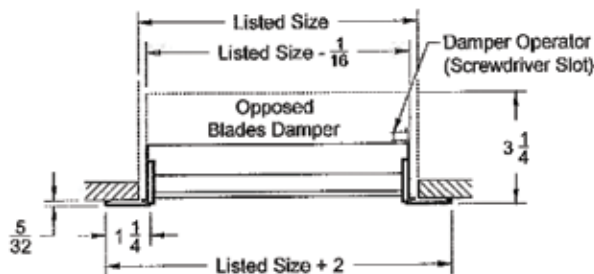
**Front View
(Horizontal Blades)**

Model: XG-V4002-AF-1 - Single Deflection Grille With Vertical Blades

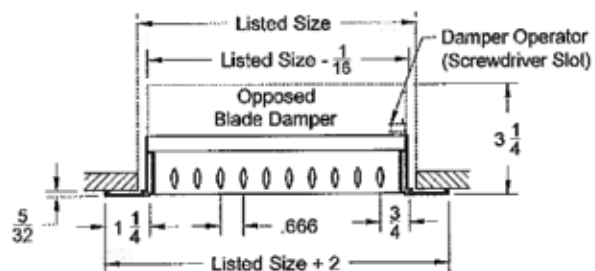


**Front View
(Vertical Blades)**

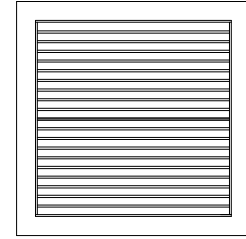
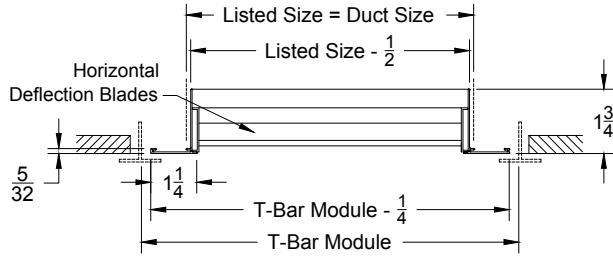
Model: XGH4002-AF-1 XG-OBD Single Deflection Register With Opposed Blade Damper - With Horizontal Blades



Model: XGV4002-AF-1 XG-OBD - Single Deflection Register With Opposed Blade Damper - With Vertical Blades

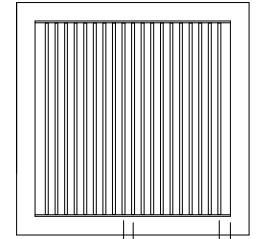
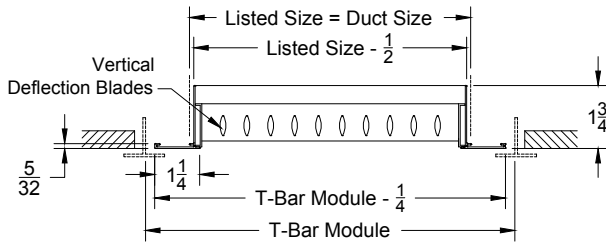


Model: XG-H4002-AF-6 Lay In T-Bar - Single Deflection Grille With Horizontal Blades



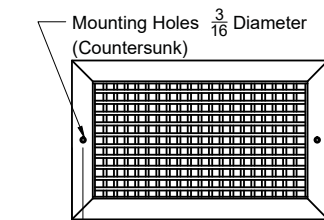
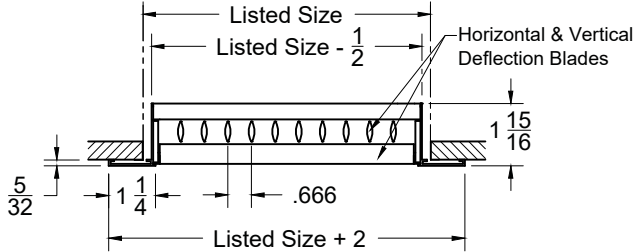
**Front View
(Horizontal Blades)**

Model: XG-V4002-AF-6 Lay In T-Bar - Single Deflection Grille With Vertical Blades



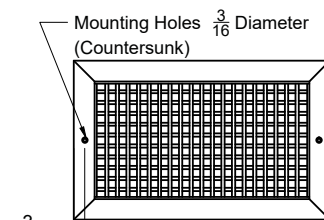
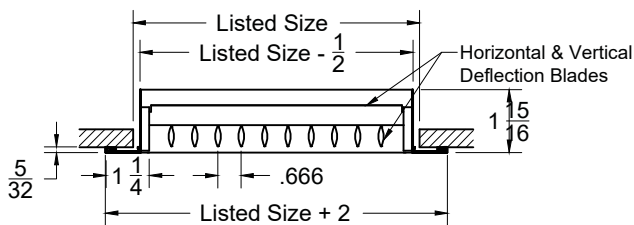
**Front View
(Vertical Blades)**

**Model: XG-H4004-AF-1 (Double Deflection Grille)
(Horizontal Front Blades)**



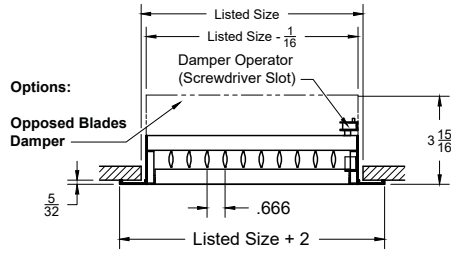
**Face View
(Double Deflection)
(Horizontal Front Blades)**

**Model: XG-V4004-AF-1 (Double Deflection Grille)
(Vertical Front Blades)**

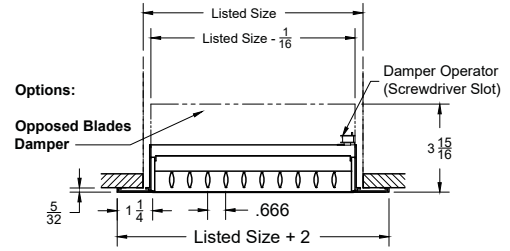


**Face View
(Double Deflection)
(Vertical Front Blades)**

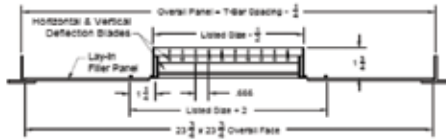
**Model: XG-H4004D-AF-1 OBD (Double Deflection Register)
(Horizontal Front Blades)
With Opposed Blade Damper**



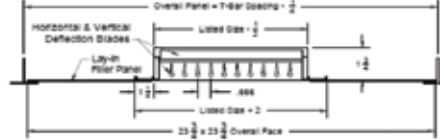
**Model: XG-V4004D-AF-1 OBD (Double Deflection Register)
(Vertical Front Blades)
With Opposed Blade Damper**



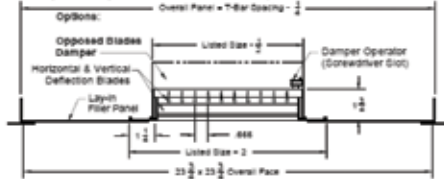
**Model: XG-H4004-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(Horizontal Front Blades)**



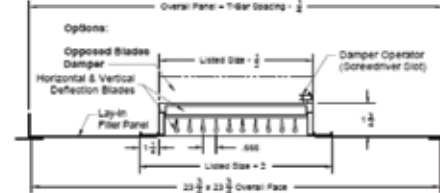
**Model: XG-V4004-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(Vertical Front Blades)**



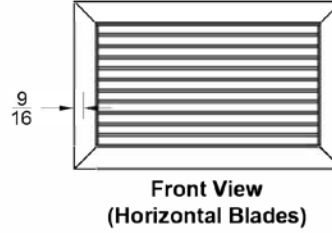
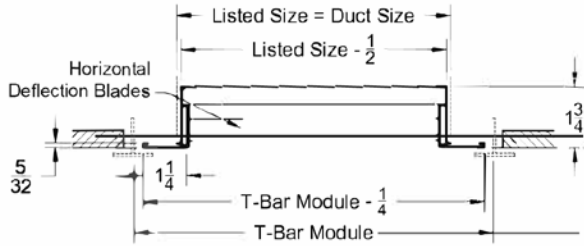
**Model: XG-H4004-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(With Damper - Horizontal Front Blades)**



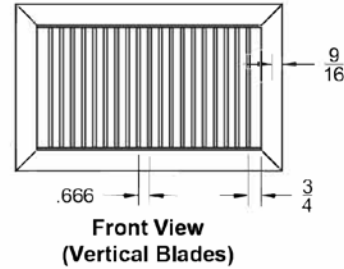
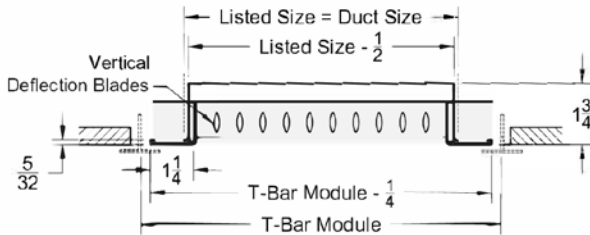
**Model: XG-V4004-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(With Damper Vertical Front Blades)**



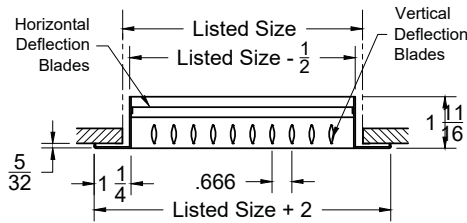
**Model: XG-H4002S-AF-6 Lay In T-Bar - Single Deflection Grille
With Horizontal Blades**



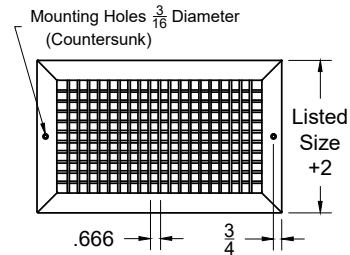
**Model: XG-V4002S-AF-6 Lay In T-Bar - Single Deflection Grille
With Vertical Blades**



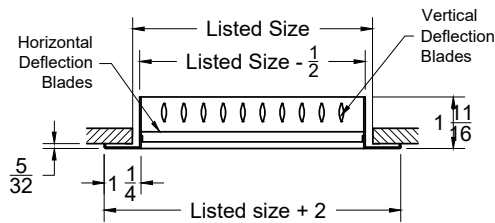
Model: XG-V4004S-AF-1 (Double Deflection Grille - Vertical Front Blades)



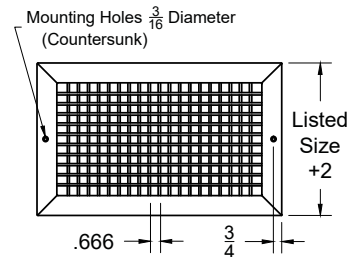
**Front View (Double Deflection)
(Vertical Front Blades)**



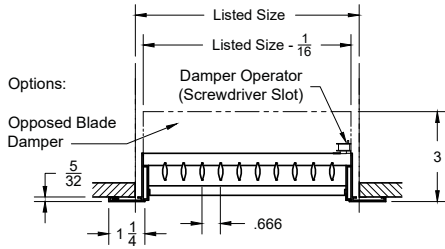
Model: XG-H4004S-AF-1 (Double Deflection Grille - Horizontal Front Blades)



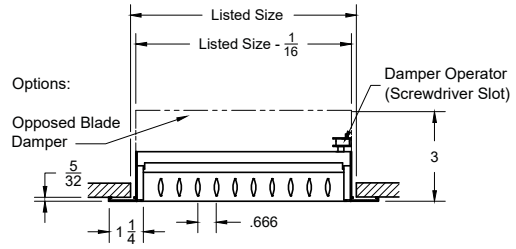
**Front View (Double Deflection)
(Horizontal Front Blades)**



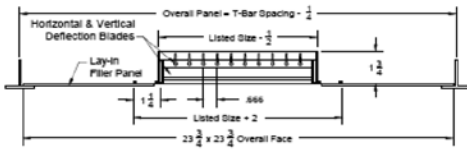
Option: XG-H4004S-AF-1-XG-OBD (Double Deflection Register)
(Horizontal Front Blades)
With Opposed Blade Damper



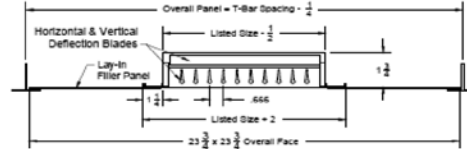
Option: XG-V4004S-AF-1-XG-OBD (Double Deflection Register)
(Vertical Front Blades)
With Opposed Blade Damper



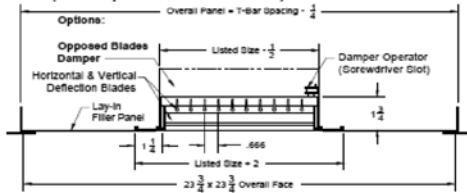
Model: XG-H4004S-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(Horizontal Front Blades)



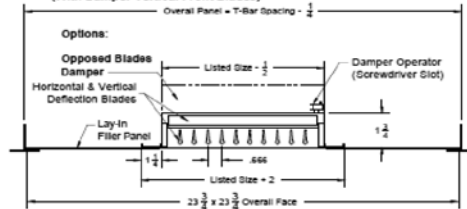
Model: XG-V4004S-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(Vertical Front Blades)



Model: XG-H4004S-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(With Damper - Horizontal Front Blades)



Model: XG-V4004S-AF-6 (Double Deflection Grille) Lay in T-Bar - With Filler Panel
(With Damper Vertical Front Blades)



SERIES XG-4000-AF SPECIFICATIONS

SUPPLY – SINGLE DEFLECTION – AIRFOIL BLADE - ALUMINUM/STEEL – MODEL XG-4002-AF/XG-4002S-AF

- Air outlets shall be model XG-V4002-AF/XG-V4002S-AF (vertical front blades) or XG-H4002-AF/XG-H4002S-AF (horizontal front blades) manufactured by Greenheck. Units shall be single deflection supply grilles of aluminum (XG-4002-AF) or steel (XG-4002S-AF) construction and a single set of vertical blades. The units shall be the size and quantity as outlined in the plans and specifications. Border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center. Deflector blades shall be individually adjustable. Units designed for surface mounting applications shall be provided with screw holes in the face of the device. Blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.
- Optional opposed blade damper shall be constructed of steel (Model XG-OBDA) or aluminum (Model XG-OBDA).
- Damper must be operable from the face of the register.

SUPPLY – DOUBLE DEFLECTION – AIRFOIL BLADE - ALUMINUM/STEEL – MODEL XG-4004-AF/XG-4004S-AF

- Air outlets shall be model XG-V4004/XG-V4004S (vertical front blades) or XG-H4004-AF/XG-H4004S-AF (horizontal front blades) manufactured by Greenheck. Units shall be double deflection supply grilles of aluminum (XG-4004-AF) or steel (XG-4004S-AF) construction with front vertical blades and rear horizontal blades. The units shall be the size and quantity as outlined in the plans and specifications. Border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center. Deflector blades shall be individually adjustable. Units designed for surface mounting applications shall be provided with screw holes in the face of the device. Blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.

- Optional opposed blade damper shall be constructed of steel (Model XG-OBDA) or aluminum (Model XG-OBDA).
- Damper must be operable from the face of the register.

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.

**XG-4000 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION SURFACE MOUNT – AIR FOIL BLADE**

Model		Neck											
		6	8	10	12	14	16	18	20	22	24	26	
XG-V4002-AF-1	Al. - Vertical Blade - Single Def.		X	X	X	X	X	X	X	X	X	X	
XG-H4002-AF-1	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X	
XG-V4002S-AF-1	Steel - Vertical Blade - Single Def.	5	X	X	X	X	X	X	X	X	X	X	
XG-H4002S-AF-1	Steel - Horizontal Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X	
XG-V4004-AF-1	Al. - Vertical Blade - Double Def.	8	X	X	X	X	X	X	X	X	X	X	
XG-H4004-AF-1	Al. - Horizontal Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X	
XG-V4004S-AF-1	Steel - Vertical Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X	
XG-H4004S-AF-1	Steel - Horizontal Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46	X	X	X	X	X	X	X	X	X	X	
		48	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
04	Clear Anodized (Al. Const. Only)	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XG-4000 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION SURFACE MOUNT— AIR FOIL BLADE

Model		Neck											
		28	30	32	34	36	38	40	42	44	46	48	
XG-V4002-AF-1	Al. - Vertical Blade - Single Def.												
XG-H4002-AF-1	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X	
XG-V4002S-AF-1	Steel - Vertical Blade - Single Def.	5	X	X	X	X	X	X	X	X	X	X	
XG-H4002S-AF-1	Steel - Horizontal Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X	
XG-V4004-AF-1	Al. - Vertical Blade - Double Def.	8	X	X	X	X	X	X	X	X	X	X	
XG-H4004-AF-1	Al. - Horizontal Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X	
XG-V4004S-AF-1	Steel - Vertical Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X	
XG-H4004S-AF-1	Steel - Horizontal Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46	X	X	X	X	X	X	X	X	X	X	
		48	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
04	Clear Anodized (Al. Const. Only)	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

**XG-4000-AF-6 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION LAY-IN – AIR FOIL BLADE**

Model		Neck										Module	
		6	8	10	12	14	16	18	20	22	24		
XG-V4002-AF-6	Al. - Vertical Blade - Single Def.												12 x 12
XG-H4002-AF-6	Al. - Horizontal Blade - Single Def.	4	X	X									
XG-V4002S-AF-6	Steel - Vertical Blade - Single Def.	6	X	X									
XG-H4002S-AF-6	Steel - Horizontal Blade - Single Def.	8	X	X									
XG-V4004-AF-6	Al. - Vertical Blade - Double Def.	10			X								24 x 12
XG-H4004-AF-6	Al. - Horizontal Blade - Double Def.	4	X	X	X	X	X	X	X	X			
XG-V4004S-AF-6	Steel - Vertical Blade - Double Def.	6	X	X	X	X	X	X	X	X			
XG-H4004S-AF-6	Steel - Horizontal Blade - Double Def.	8	X	X	X	X	X	X	X	X			
		10								X			24 x 24
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X			
		10	X	X	X	X	X	X	X	X			
		12	X	X	X	X	X	X	X	X			
		14	X	X	X	X	X	X	X	X			
		16	X	X	X	X	X	X	X	X			
		18	X	X	X	X	X	X	X	X			
		20	X	X	X	X	X	X	X	X			
		22								X			
		4	X	X	X	X	X	X	X	X	X		
		6	X	X	X	X	X	X	X	X	X		
		8	X	X	X	X	X	X	X	X	X		
		10	X	X	X	X	X	X	X	X	X		
		12	X	X	X	X	X	X	X	X	X		
		14	X	X	X	X	X	X	X	X	X		
		16	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X		

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-4000-AF-6 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION LAY-IN — AIR FOIL BLADE

Model		Neck											Module
		6	8	10	12	14	16	18	20	22	24		
XG-V4002-AF-6	Al. - Vertical Blade - Single Def.												48 x 48
XG-H4002-AF-6	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X	
XG-V4002S-AF-6	Steel - Vertical Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X	
XG-H4002S-AF-6	Steel - Horizontal Blade - Single Def.	8	X	X	X	X	X	X	X	X	X	X	
XG-V4004-AF-6	Al. - Vertical Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X	
XG-H4004-AF-6	Al. - Horizontal Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X	
XG-V4004S-AF-6	Steel - Vertical Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X	
XG-H4004S-AF-6	Steel - Horizontal Blade - Double Def.	16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

**XG-4000-AF-6 MODEL NUMBER SPECIFICATION
SINGLE/DOUBLE DEFLECTION LAY-IN – AIR FOIL BLADE**

Model		Neck											Module	
		26	28	30	32	34	36	38	40	42	44	46		
XG-V4002-AF-6	Al. - Vertical Blade - Single Def.													48 x 24
XG-H4002-AF-6	Al. - Horizontal Blade - Single Def.	4	X	X	X	X	X	X	X	X	X	X		
XG-V4002S-AF-6	Steel - Vertical Blade - Single Def.	6	X	X	X	X	X	X	X	X	X	X		
XG-H4002S-AF-6	Steel - Horizontal Blade - Single Def.	8	X	X	X	X	X	X	X	X	X	X		
XG-V4004-AF-6	Al. - Vertical Blade - Double Def.	10	X	X	X	X	X	X	X	X	X	X		
XG-H4004-AF-6	Al. - Horizontal Blade - Double Def.	12	X	X	X	X	X	X	X	X	X	X		
XG-V4004S-AF-6	Steel - Vertical Blade - Double Def.	14	X	X	X	X	X	X	X	X	X	X		
XG-H4004S-AF-6	Steel - Horizontal Blade - Double Def.	16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X	X		
		22											X	
		4	X	X	X	X	X	X	X	X	X	X		48 x 48
		6	X	X	X	X	X	X	X	X	X	X		
		8	X	X	X	X	X	X	X	X	X	X		
		10	X	X	X	X	X	X	X	X	X	X		
		12	X	X	X	X	X	X	X	X	X	X		
		14	X	X	X	X	X	X	X	X	X	X		
		16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X	X		
		22	X	X	X	X	X	X	X	X	X	X		
		24	X	X	X	X	X	X	X	X	X	X		
		26	X	X	X	X	X	X	X	X	X	X		
		28	X	X	X	X	X	X	X	X	X	X		
		30	X	X	X	X	X	X	X	X	X	X		
		32	X	X	X	X	X	X	X	X	X	X		
		34	X	X	X	X	X	X	X	X	X	X		
		36	X	X	X	X	X	X	X	X	X	X		
		38	X	X	X	X	X	X	X	X	X	X		
		40	X	X	X	X	X	X	X	X	X	X		
		42	X	X	X	X	X	X	X	X	X	X		
		44	X	X	X	X	X	X	X	X	X	X		
		46											X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill (Al. Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

SERIES XG-4000 PERFORMANCE DATA

MODELS XG-H/V4002-AF, XG-H/V4004-AF, XG-H/V4002S-AF, XG-H/V4004S-AF

Size	Nk Vel		200	300	400	500	600	700	800	1000
	Pt		.007	.015	.027	.042	.061	.083	.108	.169
06x04	Ac ft ²	CFM	24	36	48	60	72	84	96	120
	0.17	NC	-	-	-	-	-	-	11	18
	Throw		2-4-8	4-6-11	5-8-13	7-10-14	8-11-16	9-12-17	10-13-18	12-14-20
06x06	Ac ft ²	CFM	38	57	76	95	114	133	152	190
	0.25	NC	-	-	-	-	-	10	13	20
	Throw		4-8-17	7-12-21	10-15-24	12-17-26	14-20-28	15-21-30	17-23-32	19-24-34
08x08 10x06 12x05	Ac ft ²	CFM	73	110	146	183	219	256	292	365
	0.42	NC	-	-	-	-	11	13	16	22
	Throw		3-6-14	6-10-19	9-14-22	11-17-25	14-19-27	16-21-29	18-22-31	20-25-35
12x06	Ac ft ²	CFM	82	123	164	205	246	287	328	410
	0.50	NC	-	-	-	11	11	13	16	23
	Throw		3-7-15	7-11-20	10-15-24	12-18-26	15-20-29	17-22-31	19-24-33	21-26-37
10x08 14x6	Ac ft ²	CFM	93	140	186	233	279	326	372	465
	0.56	NC	-	-	-	10	12	14	17	23
	Throw		3-7-16	7-12-22	10-16-25	13-19-28	16-22-31	18-23-33	20-25-35	23-28-40
10x10 12x08 16x06	Ac ft ²	CFM	118	172	140	195	357	414	478	592
	0.69	NC	-	-	-	11	13	15	18	24
	Throw		4-8-18	8-13-25	12-18-28	15-22-32	18-25-35	20-27-37	23-28-40	26-32-45
14x08 18x06	Ac ft ²	CFM	134	201	267	335	394	468	534	661
	0.67	NC	-	-	-	11	13	15	18	25
	Throw		4-9-19	9-14-26	13-20-30	16-23-34	19-26-37	23-29-41	25-30-42	27-34-47
12x10 20x06	Ac ft ²	CFM	145	218	290	363	435	509	582	729
	0.83	NC	-	-	10	11	13	16	18	25
	Throw		4-9-19	9-15-27	13-19-31	16-24-35	19-27-38	23-29-41	26-31-44	29-35-49
16x08 22x06	Ac ft ²	CFM	153	230	306	383	459	536	612	765
	0.89	NC	-	-	10	12	14	16	19	25
	Throw		4-9-20	9-15-28	13-20-32	17-25-36	20-28-39	23-30-43	26-32-46	29-36-51
14x10 28x05	Ac ft ²	CFM	170	255	340	425	510	595	680	850
	0.85	NC	-	-	10	12	14	16	19	26
	Throw		4-10-21	10-16-29	14-21-34	18-26-38	21-29-42	25-32-45	28-34-48	31-38-54
12x12 24x06 18x08	Ac ft ²	CFM	176	263	351	439	527	615	701	878
	0.88	NC	-	-	10	12	14	16	19	26
	Throw		8-19-38	14-25-46	21-31-51	25-37-56	29-43-60	33-46-64	37-48-68	41-51-72
30x06 18x10	Ac ft ²	CFM	213	320	426	533	640	746	853	1066
	1.07	NC	-	10	11	13	15	17	20	27
	Throw		5-11-24	11-18-33	16-24-38	20-29-42	24-33-46	27-36-50	31-38-54	35-42-60

SERIES XG-4000 PERFORMANCE DATA
MODELS XG-H/V4002-AF, XG-H/V4004-AF, XG-H/V4002S-AF, XG-H/V4004S-AF

Size		Nk Vel	200	300	400	500	600	700	800	1000
		Pt	.007	.015	.027	.042	.061	.083	.108	.169
14x14	Ac ft ²	CFM	244	366	488	610	732	853	975	1219
	1.22	NC	-	10	12	13	15	18	21	27
	Throw			5-12-25	12-19-35	17-25-41	21-31-45	25-35-50	29-38-54	33-41-57
36x06 18x12	Ac ft ²	CFM	257	366	514	643	771	900	1028	1285
	1.29	NC	10	11	12	14	16	18	21	28
	Throw			5-12-26	12-19-36	17-26-42	22-32-47	26-36-51	30-39-55	34-42-59
22x10	Ac ft ²	CFM	273	410	546	683	819	956	1092	1385
	1.37	NC	10	11	12	14	16	18	21	28
	Throw			6-12-27	12-20-37	18-27-43	22-33-48	27-37-53	31-40-57	35-43-61
30x08 24x10	Ac ft ²	CFM	295	442	589	736	884	1031	1178	1472
	1.48	NC	10	11	13	14	16	19	21	28
	Throw			6-13-28	13-21-39	18-28-45	23-35-50	28-39-55	32-42-59	36-45-63
16x16	Ac ft ²	CFM	323	485	646	808	969	1131	1292	1615
	1.62	NC	11	12	13	15	17	19	22	28
	Throw			6-14-29	14-22-40	19-29-47	24-36-52	29-40-57	34-44-62	38-47-66

PERFORMANCE NOTES FOR SERIES XG-4000
All data is tested in accordance with ANSI/ASHRAE 70-2006.
DEFINITION OF UNITS
CFM Air volume is cubic feet per minute
Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute
fpm Velocity of air stream in Feet per Minute
Throw Throw distance in feet are for terminal velocities of 150 fpm, 100 fpm and 50 fpm respectively
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
Pt Total pressures in inches of water
Ac Actual Core Free Area in square feet

SERIES XG-4000 PERFORMANCE DATA

MODELS XG-H/V4002-AF, XG-H/V4004-AF, XG-H/V4002S-AF, XG-H/V4004S-AF

Size	Nk Vel		200	300	400	500	600	700	800	1000
	Pt		.007	.015	.027	.042	.061	.083	.108	.169
24x12 36x08 48x06	Ac ft ²	CFM	364	546	727	909	1090	1272	1453	1816
	1.82	NC	11	12	13	15	17	20	22	29
	Throw		6-13-30	14-23-43	20-31-50	26-38-55	31-43-61	36-46-66	40-50-70	45-55-78
18x18	Ac ft ²	CFM	414	621	87	1034	1240	1447	1653	2066
	2.07	NC	12	13	14	16	18	20	23	29
	Throw		7-15-33	15-25-46	22-33-53	27-41-59	33-46-65	38-49-70	43-53-75	48-59-84
30x12 36x10	Ac ft ²	CFM	456	685	914	1142	1371	1600	1829	2386
	2.28	NC	12	13	14	16	18	20	23	30
	Throw		7-16-34	16-26-48	23-34-56	29-43-62	34-48-68	40-52-74	45-56-79	51-62-88
20x20	Ac ft ²	CFM	515	772	1030	1287	1545	1802	2059	2574
	2.59	NC	13	14	15	17	19	21	24	30
	Throw		8-17-37	17-27-51	24-37-59	30-46-66	37-51-72	43-55-78	48-59-83	54-66-93
24x18 36x12	Ac ft ²	CFM	550	826	1101	1377	1653	1928	2204	2755
	2.75	NC	13	14	15	17	19	21	24	31
	Throw		8-18-38	18-28-53	25-38-61	32-47-68	38-53-75	44-57-81	50-61-86	56-68-96
22x22 24x20 48x10	Ac ft ²	CFM	626	940	1254	1567	1881	2195	2509	3136
	3.13	NC	13	14	16	17	19	22	25	31
	Throw		8-19-40	19-30-56	27-40-65	34-50-73	40-56-80	47-61-86	53-65-92	59-73-103
24x24 36x16 48x12	Ac ft ²	CFM	750	1125	1501	1877	2252	2628	3003	3754
	3.75	NC	14	15	16	18	20	23	25	32
	Throw		9-21-44	21-33-62	29-44-71	37-55-80	44-62-87	52-67-94	58-71-101	65-80-113
30x24 36x20	Ac ft ²	CFM	946	1297	1848	1999	2350	2701	3052	3754
	4.73	NC	15	16	17	19	21	23	26	33
	Throw		10-23-50	19-34-66	29-43-75	35-52-82	41-62-89	47-68-96	53-72-102	65-80-113
28x28	Ac ft ²	CFM	1030	1546	2061	2577	3093	3608	4124	5155
	5.15	NC	16	17	18	19	21	24	27	33
	Throw		11-24-52	24-39-72	34-52-83	43-65-93	52-72-102	60-78-110	68-83-118	76-93-132
36x24 48x18	Ac ft ²	CFM	1140	1709	2278	2846	3415	3984	4553	5690
	5.70	NC	16	17	18	20	22	24	27	34
	Throw		11-25-54	25-41-76	36-54-88	45-68-98	54-76-107	63-82-116	72-88-124	80-98-139
30x30	Ac ft ²	CFM	1190	1784	2378	2971	3565	4159	4753	5940
	5.95	NC	16	17	18	20	22	24	27	34
	Throw		12-26-56	26-42-78	37-56-90	46-69-100	56-78-110	65-84-119	73-90-127	82-100-142
32x30	Ac ft ²	CFM	1270	1905	2540	3175	3810	4445	5080	6350
	6.35	NC	17	18	19	21	23	25	28	34
	Throw		12-27-57	27-43-80	38-57-93	48-72-104	57-80-113	67-87-123	76-93-131	85-104-147

CONTINUED

SERIES XG-4000 PERFORMANCE DATA
MODELS XG-H/V4002-AF, XG-H/V4004-AF, XG-H/V4002S-AF, XG-H/V4004S-AF

Size	Nk Vel		200	300	400	500	600	700	800	1000
	Pt		.007	.015	.027	.042	.061	.083	.108	.169
36x28 42x24	Ac ft ²	CFM	1330	1996	2663	3329	3995	4661	5328	6660
		NC	17	18	19	21	23	25	28	34
	Throw		12-27-59	27-44-82	39-59-95	49-73-106	59-82-116	69-89-126	77-95-134	87-106-150
36x30	Ac ft ²	CFM	1430	2146	2863	3579	4295	5011	5728	7160
		NC	17	18	19	21	23	25	28	35
	Throw		13-28-61	28-46-85	41-61-98	51-76-110	61-85-120	71-92-130	80-98-139	90-110-156
36x32 48x24	Ac ft ²	CFM	1525	2288	3051	3814	4578	5341	6104	7630
		NC	17	18	19	21	23	26	28	35
	Throw		13-29-63	29-47-88	42-63-102	52-79-114	63-88-124	73-95-134	83-102-144	93-114-161
34x34	Ac ft ²	CFM	1730	2593	3455	4318	5180	6043	6905	8630
		NC	18	19	20	22	24	26	29	35
	Throw		14-31-67	31-50-94	45-67-108	56-84-121	67-94-132	78-101-143	88-108-153	99-121-171
36x36	Ac ft ²	CFM	1930	2894	3858	4821	5785	6749	7713	9640
		NC	18	19	20	22	24	27	29	36
	Throw		15-33-71	33-53-99	47-71-114	59-88-128	71-99-140	83-107-151	93-114-161	104-128-181
38x38	Ac ft ²	CFM	1930	2894	3858	4821	5785	6749	7713	9640
		NC	18	19	20	22	24	27	29	36
	Throw		15-33-71	33-53-99	47-71-114	59-88-128	71-99-140	83-107-151	93-114-161	104-128-181

PERFORMANCE NOTES FOR SERIES XG-4000
All data is tested in accordance with ANSI/ASHRAE 70-2006.
DEFINITION OF UNITS
CFM Air volume is cubic feet per minute
Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute
fpm Velocity of air stream in Feet per Minute
Throw Throw distance in feet are for terminal velocities of 150 fpm, 100 fpm and 50 fpm respectively
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
Pt Total pressures in inches of water
Ac Actual Core Free Area in square feet

SERIES XG-4000 PERFORMANCE DATA

MODELS XG-H/V4002-AF, XG-H/V4004-AF, XG-H/V4002S-AF, XG-H/V4004S-AF

Size	Nk Vel	Pt	100	200	300	400	500	600	700	800
			.002	.007	.015	.027	.042	.061	.083	.108
42x36	Ac ft ² 10.10	CFM	1010	2020	3030	4040	5050	6060	7070	8080
		NC	15	18	19	21	22	24	27	29
	Throw	4-8-34	15-34-72	34-54-101	48-72-117	60-91-131	72-101-143	85-109-155	95-117-165	
40x40	Ac ft ² 10.70	CFM	1070	2140	3210	4280	5350	6420	7490	8560
		NC	15	19	20	21	23	25	27	30
	Throw	4-9-35	15-35-75	35-56-104	50-75-120	62-93-134	75-104-147	87-113-159	98-120-170	
48x36	Ac ft ² 11.60	CFM	1160	2316	3473	4629	5785	6941	8098	9254
		NC	15	19	20	21	23	25	27	30
	Throw	4-9-36	16-36-78	36-58-108	52-78-125	65-97-140	78-108-153	90-117-165	102-125-177	
42x42	Ac ft ² 11.80	CFM	1180	2363	3545	4728	5910	7093	8275	9458
		NC	15	19	20	21	23	25	27	30
	Throw	4-9-37	16-37-78	37-59-109	52-78-126	65-98-141	78-109-155	91-118-167	103-126-179	
44x44	Ac ft ² 13.00	CFM	1300	2599	3898	5196	6495	7794	9093	10391
		NC	16	20	21	22	24	26	28	31
	Throw	4-10-38	17-38-82	38-62-115	55-82-133	68-103-148	82-115-162	96-124-175	108-133-187	
48x42	Ac ft ² 13.60	CFM	1360	2713	4065	5418	6770	8123	9475	10828
		NC	16	20	21	22	24	26	28	31
	Throw	4-10-40	17-39-84	39-63-117	56-84-135	70-105-151	84-117-166	98-127-179	110-135-191	
46x46	Ac ft ² 14.20	CFM	1420	2843	4265	5688	7110	8533	9955	11378
		NC	16	20	21	22	24	26	28	31
	Throw	4-10-40	18-40-86	40-64-120	57-86-139	72-107-155	86-120-170	100-130-183	113-139-196	
48x48	Ac ft ² 15.50	CFM	1550	3101	4653	6204	7755	9306	10858	12409
		NC	17	20	21	22	24	26	29	32
	Throw	5-10-42	19-42-90	42-67-125	60-90-145	75-112-162	90-125-177	105-135-192	118-145-205	

PERFORMANCE NOTES FOR SERIES XG-4000

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

DEFINITION OF UNITS

CFM Air volume is cubic feet per minute

Nk Vel Neck Velocity is the airstream velocity in the duct just before it reaches the supply outlet; measured in feet per minute

fpm Velocity of air stream in Feet per Minute

Throw Throw distance in feet are for terminal velocities of 150 fpm, 100 fpm and 50 fpm respectively

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

Pt Total pressures in inches of water

Ac Actual Core Free Area in square feet

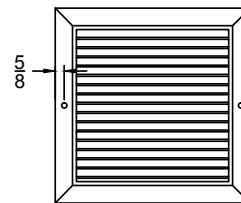
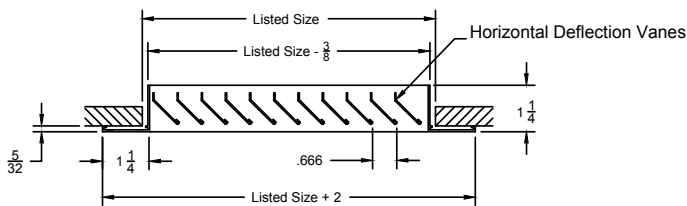
MODEL XG-RH

The XG-RH series of return and exhaust grilles is available in a selection of styles and features designed to meet today's performance standards. The XG-RH series is available in aluminum (XG-RH), extruded aluminum (XG-RHE) and steel (XG-SRH) construction.

- Horizontal blades fixed at 40° deflection
- Optional stainless steel construction
- Available in multiple frame styles
 - 1 — Surface Mount
 - 6 — T-bar Lay-in
 - 7 — Concealed Spline
 - 8 — Tegular Lay-in
 - 9 — Donn Finline/Bolt Slot
- Optional hinged face

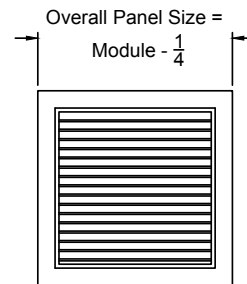
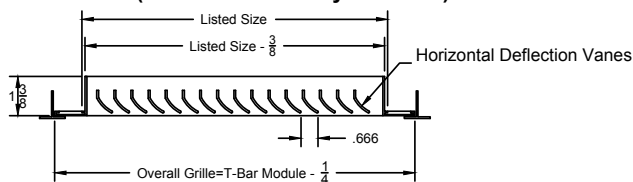


Model: XG-RH-1 (Return Grille - Surface Mount)



Face View (XG-RH-1 Model)

Model: XG-RH-6 (Return Grille - Lay in T-Bar)

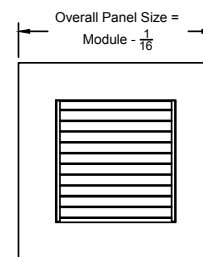
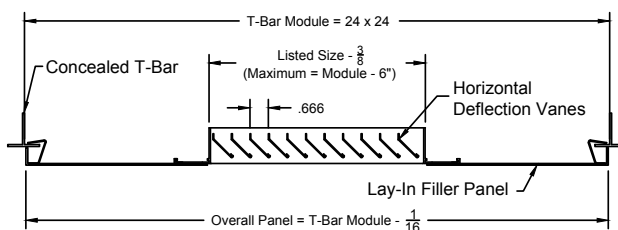


Face View (XG-RH-6 Model)

Module Size	Neck Size	Module Size	Neck Size	Module Size	Neck Size
12 x 12	10 x 10	24 x 24	22 x 22	36 x 36	34 x 34
12 x 24	10 x 22	24 x 48	22 x 46	48 x 48	46 x 46

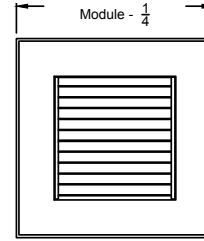
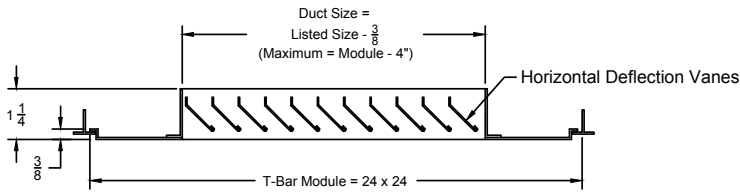
Standard -6 Sizes

Model: XG-RH-7 (Return Grille - Concealed T-Bar Lay in)



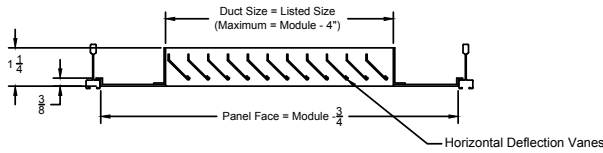
Face View (XG-RH-7 Model)

Model: XG-RH-8 (Return Grille - Tegular Ceiling Lay in)

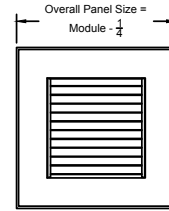


Face View (XG-RH-8 Model)

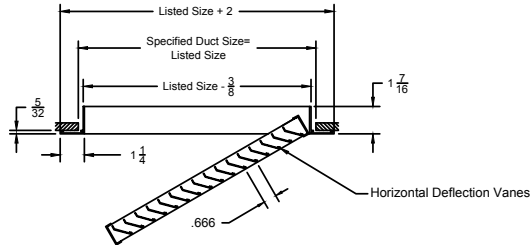
Model: XG-RH-9 (Aluminum Return Grille - Donn Finline Lay-in)



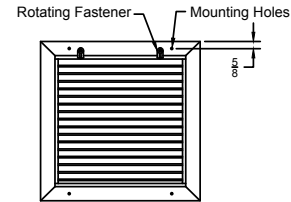
Face View (XG-RH-9 Model)



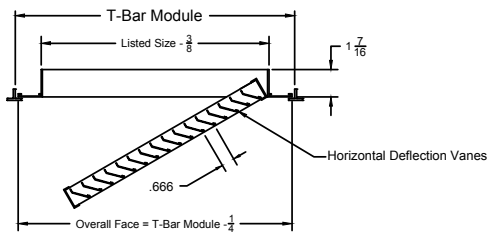
Model: XG-RH-H-1 (Aluminum Return Grille - Surface Mount - Hinged Core)



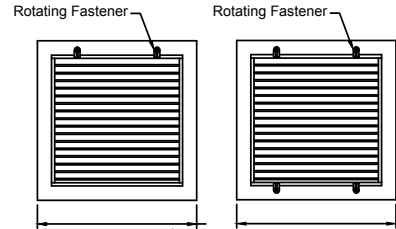
Face View (XG-RH-H-1)



Model: XG-RH-H-6 (Aluminum Return Grille - T-Bar Mount - Hinged Core)

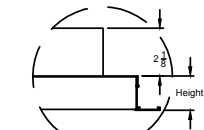
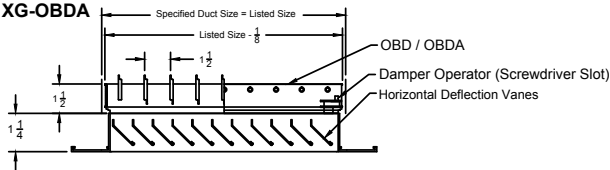


Face View (XG-RH-H-6) Removable Core



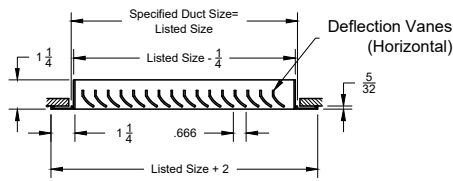
See Page 1 For Standard T-Bar Module Size T-Bar Module - $\frac{1}{4}$

**Options:
XG-OBD and XG-OBDA**

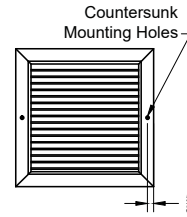


**XG-TR
TXG-R Deep
Transition Square / Rectangular
To Round**

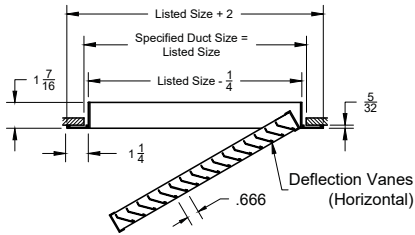
Model: XG-RHE-1 (Return Grille - Surface Mount)



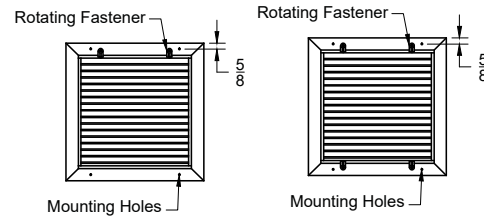
Face View (Model XG-RHE-1)



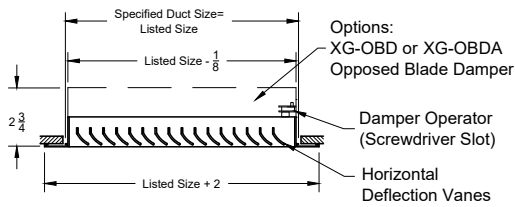
Model: XG-RHE-H-1 (Return Grille - Surface Mount - Hinged Core / Removable Core)



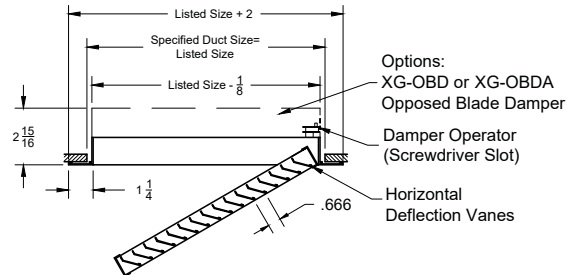
Face View (Hinged)



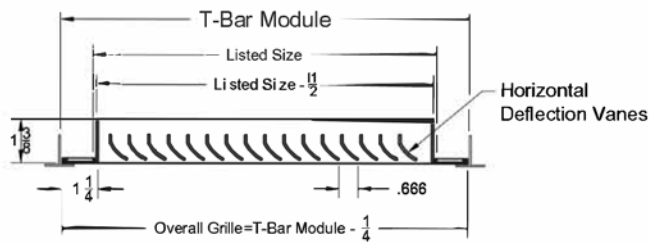
Model: XG-RHE-1 XG-OBD (Return Register - Surface Mount) with Opposed Blade Damper



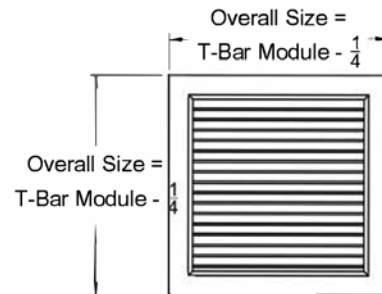
Model: XG-RHE-1 XG-OBD (Return Register - Hinged Core) with Opposed Blade Damper



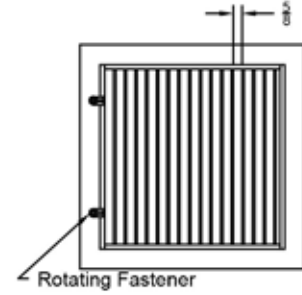
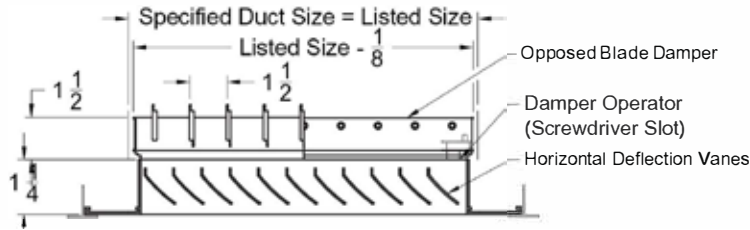
Model: XG-RHE-6 (Return Grille - Lay In T-Bar)



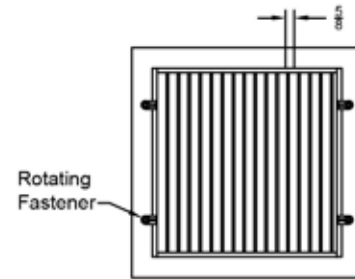
Face view



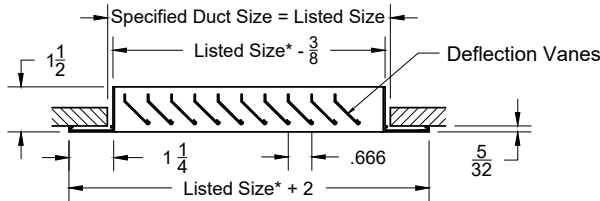
**Model: XG-RHE-6 XG-OBD (Return Register -with
Opposed Blade Damper - Lay In T-Bar)**



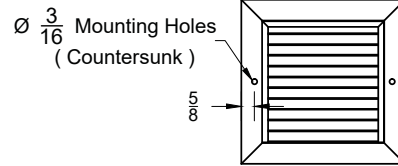
Removable Core



Model: XG-RH-1 (Steel Return Grille - Surface Mount)

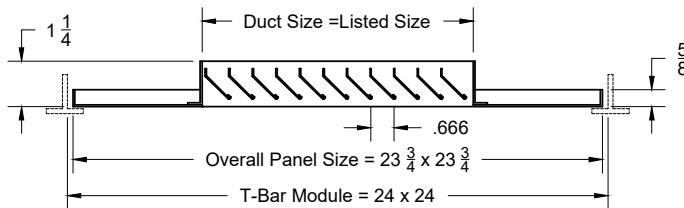


Face View (XG-SRH-1 Model)

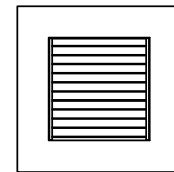


* See Catalog For Standard Listed Size.

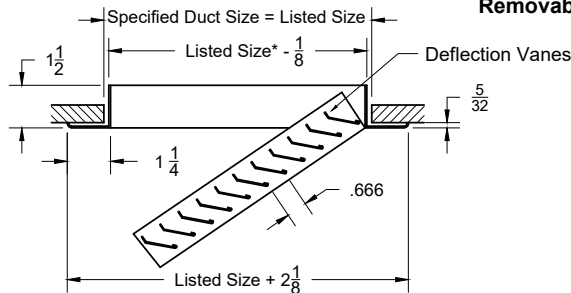
Model: XG-SRH-6 (Steel Return Grille And Panel - Lay In T-Bar)



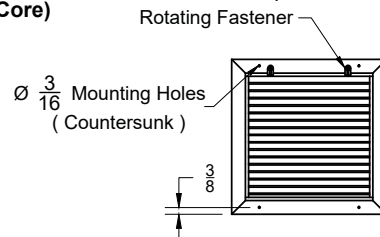
Face View (XG-SRH-6 Model)



**Model: XG-SRH-H-1 (Steel Return Grille - Surface Mount - Hinged Core /
Removable Core)**



Face View (XG-SRH-H-1 Model)



* See Catalog For Standard Listed Size.

SERIES XG-RH SPECIFICATIONS

RETURN — FIXED HORIZONTAL BLADE — ALUMINUM/EXTRUDED ALUMINUM/STEEL — MODELS XG-RH/XG-RHE/XG-SRH

- Air inlets shall be model XG-RH/XG-RHE/XG-SRH manufactured by Greenheck. Units shall be return or exhaust grilles of aluminum (XG-RH), extruded aluminum (XG-RHE) or steel (XG-SRH) construction and a single set of fixed deflection blades. The units shall be the size and quantity as outlined in the plans and specifications. The border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center set at 40°. The units shall be designed to integrate into the specified ceiling system.
- Optional Hinged face and Removable face will allow access to concealed equipment.
- Optional opposed blade damper shall be constructed of steel (Model XG-OBD) or aluminum (Model XG-OBDA). Damper must be operable from the face of the register.

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.

XG-RH MODEL NUMBER SPECIFICATION

SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — SURFACE MOUNT

Model		Neck										
		6	8	10	12	14	16	18	20	22	24	26
XG-RH-1	Rolled Form Aluminum Sidewall Return Grille											
XG-RHE-1	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X	X	X	X	X	X	X
XG-SRH-1	Steel Sidewall Return Grille	5	X	X	X	X	X	X	X	X	X	X
XG-RH-H-1	Rolled Form Aluminum Hinged Sidewall Return Grille	6	X	X	X	X	X	X	X	X	X	X
XG-RHE-H-1	Extruded Aluminum Hinged Sidewall Return Grille	8	X	X	X	X	X	X	X	X	X	X
XG-SRH-H-1	Steel Hinged Sidewall Return Grille	10	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X
		38	X	X	X	X	X	X	X	X	X	X
		40	X	X	X	X	X	X	X	X	X	X
		42	X	X	X	X	X	X	X	X	X	X
		44	X	X	X	X	X	X	X	X	X	X
		46	X	X	X	X	X	X	X	X	X	X
		48	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
04	Clear Anodized (RHE-1 Units Only)	IS	Insect Screen
24	Mill (Aluminum Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — SURFACE MOUNT

Model		Neck											
		28	30	32	34	36	38	40	42	44	46	48	
XG-RH-1	Rolled Form Aluminum Sidewall Return Grille												
XG-RHE-1	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X	X	X	X	X	X	X	
XG-SRH-1	Steel Sidewall Return Grille	5	X	X	X	X	X	X	X	X	X	X	
XG-RH-H-1	Rolled Form Aluminum Hinged Sidewall Return Grille	6	X	X	X	X	X	X	X	X	X	X	
XG-RHE-H-1	Extruded Aluminum Hinged Sidewall Return Grille	8	X	X	X	X	X	X	X	X	X	X	
XG-SRH-H-1	Steel Hinged Sidewall Return Grille	10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46	X	X	X	X	X	X	X	X	X	X	
		48	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
04	Clear Anodized (RHE-1 Units Only)	IS	Insect Screen
24	Mill (Aluminum Construction Only)	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting



XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck											Module
		6	8	10	12	14	16	18	20	22	24		
XG-RH-6	Rolled Form Aluminum Sidewall Return Grille												12 x 12
XG-RHE-6	Extruded Aluminum Sidewall Return Grille	4	X	X									
XG-RH-H-6	Rolled Form Aluminum - Hinged Face	6	X	X									
XG-RHE-H-6	Extruded Aluminum - Hinged Face	8	X	X									
		10			X								24 x 12
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X			
		10								X			24 x 24
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X			
		10	X	X	X	X	X	X	X	X			
		12	X	X	X	X	X	X	X	X			
		14	X	X	X	X	X	X	X	X			
		16	X	X	X	X	X	X	X	X			
		18	X	X	X	X	X	X	X	X			
		20	X	X	X	X	X	X	X	X			
		22								X			36 x 24
		4	X	X	X	X	X	X	X	X	X	X	
		6	X	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck												Module
		26	28	30	32	34	36	38	40	42	44	46		
XG-RH-6	Rolled Form Aluminum Sidewall Return Grille		X	X	X	X								36 x 24
XG-RHE-6	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X								
XG-RH-H-6	Rolled Form Aluminum - Hinged Face	6	X	X	X	X								
XG-RHE-H-6	Extruded Aluminum - Hinged Face	8	X	X	X	X								
		10	X	X	X	X								
		12	X	X	X	X								
		14	X	X	X	X								
		16	X	X	X	X								
		18	X	X	X	X								
		20	X	X	X	X								
		22	X	X	X	X	X							

Available Finishes		Available Accessories	
Standard		XG-OBD	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck											Module
		6	8	10	12	14	16	18	20	22	24		
XG-RH-6	Rolled Form Aluminum Sidewall Return Grille												
XG-RHE-6	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X	X	X	X	X	X	X	
XG-RH-H-6	Rolled Form Aluminum - Hinged Face	6	X	X	X	X	X	X	X	X	X	X	
XG-RHE-H-6	Extruded Aluminum - Hinged Face	8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		4	X	X	X	X	X	X	X	X	X	X	
		6	X	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	

36 x 36

48 x 24

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck											Module
XG-RH-6	Rolled Form Aluminum Sidewall Return Grille	26	28	30	32	34	36	38	40	42	44	46	
XG-RHE-6	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X							36 x 36
XG-RH-H-6	Rolled Form Aluminum - Hinged Face	6	X	X	X	X							
XG-RHE-H-6	Extruded Aluminum - Hinged Face	8	X	X	X	X							
		10	X	X	X	X							
		12	X	X	X	X							
		14	X	X	X	X							
		16	X	X	X	X							
		18	X	X	X	X							
		20	X	X	X	X							
		22	X	X	X	X							
		24	X	X	X	X							
		26	X	X	X	X							
		28	X	X	X	X							
		30	X	X	X	X							
		32	X	X	X	X							
		34					X						
		4	X	X	X	X	X	X	X	X	X	X	
		6	X	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22										X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION**SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN**

Model		Neck										Module
		6	8	10	12	14	16	18	20	22	24	
XG-RH-6	Rolled Form Aluminum Sidewall Return Grille											
XG-RHE-6	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X	X	X	X	X	X	X
XG-RH-H-6	Rolled Form Aluminum - Hinged Face	6	X	X	X	X	X	X	X	X	X	X
XG-RHE-H-6	Extruded Aluminum - Hinged Face	8	X	X	X	X	X	X	X	X	X	X
		10	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X
		38	X	X	X	X	X	X	X	X	X	X
		40	X	X	X	X	X	X	X	X	X	X
		42	X	X	X	X	X	X	X	X	X	X
		44	X	X	X	X	X	X	X	X	X	X

48 x
48XG-

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck											Module
		26	28	30	32	34	36	38	40	42	44	46	
XG-RH-6	Rolled Form Aluminum Sidewall Return Grille												
XG-RHE-6	Extruded Aluminum Sidewall Return Grille	4	X	X	X	X	X	X	X	X	X	X	
XG-RH-H-6	Rolled Form Aluminum- Hinged Face	6	X	X	X	X	X	X	X	X	X	X	
XG-RHE-H-6	Extruded Aluminum - Hinged Face	8	X	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	X	
		46											X

48 x 48

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck									Module
		6	8	10	12	14	16	18	20		
XG-RH-7	Aluminum Concealed Spline Ceiling		X	X	X	X	X	X	X	X	24 x 24
XG-RH-8	Aluminum Tegular Ceiling	4	X	X	X	X	X	X	X	X	
XG-RH-9	Aluminum Donn Finline/Bolt Slot Ceiling	6	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver		
03	Black		
24	Mill		
28	Custom Color		

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck										Module
XG-SRH-6	Steel Sidewall Return Grille	6	8	10	12	14	16	18	20	22	24	
XG-SRH-H-6	Steel - Hinged Face	4	X	X								12 x 12
		6	X	X								
		8	X	X								
		10			X							
		4	X	X	X	X	X	X	X			24 x 12
		6	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X			
		10								X		
		4	X	X	X	X	X	X	X			24 x 24
		6	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X			
		10	X	X	X	X	X	X	X			
		12	X	X	X	X	X	X	X			
		14	X	X	X	X	X	X	X			
		16	X	X	X	X	X	X	X			
		18	X	X	X	X	X	X	X			
		20	X	X	X	X	X	X	X			
		22								X		
		4	X	X	X	X	X	X	X	X	X	48 x 24
		6	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

XG-RH MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck												Module
XG-SRH-6	Steel Sidewall Return Grille		26	28	30	32	34	36	38	40	42	44	46	
XG-SRH-H-6	Steel - Hinged Face	4	X	X	X	X	X	X	X	X	X	X	X	48 x 24
		6	X	X	X	X	X	X	X	X	X	X		
		8	X	X	X	X	X	X	X	X	X	X		
		10	X	X	X	X	X	X	X	X	X	X		
		12	X	X	X	X	X	X	X	X	X	X		
		14	X	X	X	X	X	X	X	X	X	X		
		16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X	X		
		22											X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

SERIES XG-RH PERFORMANCE DATA
MODELS XG-RH, XG-RHE, XG-SRH, XG-RH-H, XG-RHE-H, XG-SRH-H

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.005	-.011	-.020	-.031	-.045	-.061	-.080	-.101	-.125
06x06	.25	CFM	50	75	100	125	150	175	200	225	250
		NC	-	-	14	17	20	22	25	27	29
08x06	.33	CFM	67	100	133	167	200	233	267	300	333
		NC	-	11	15	18	21	24	26	29	31
10x06	.42	CFM	83	125	167	208	250	292	333	375	417
		NC	-	12	16	19	22	25	27	29	32
08x08	.44	CFM	89	133	178	222	267	311	356	400	444
		NC	-	12	16	19	22	25	27	29	32
12x06	.50	CFM	100	150	200	250	300	350	400	450	500
		NC	-	13	17	20	23	25	28	30	32
16x06 12x08	.67	CFM	133	200	267	333	400	467	533	600	667
		NC	-	14	18	21	24	27	29	32	34
10x10	.69	CFM	139	208	278	347	417	486	556	625	694
		NC	10	14	18	21	24	27	29	32	34
12x10 20x06	.83	CFM	167	250	333	417	500	583	667	750	833
		NC	10	15	19	22	25	28	30	32	35
24x06 12x12	1.00	CFM	200	300	400	500	600	700	800	900	1000
		NC	11	16	20	23	26	28	31	33	35
14x12	1.16	CFM	233	250	467	583	7800	817	933	1050	1167
		NC	12	16	20	24	26	29	32	34	36
18x10 30x06	1.25	CFM	250	375	500	625	750	875	1000	1125	1250
		NC	12	17	21	24	27	29	32	34	36
14x14	1.36	CFM	272	408	544	681	817	953	1089	1225	1361
		NC	13	17	21	24	27	30	32	35	37
18x12 36x06	1.50	CFM	300	450	600	750	900	1050	1200	1350	1500
		NC	13	189	21	25	28	30	33	35	37
24x10 30x08	1.67	CFM	333	500	667	833	1000	1167	1333	1500	1667
		NC	13	18	22	25	28	31	33	34	38
18x14 42x06	1.75	CFM	350	525	700	875	1050	1225	1400	1575	1750
		NC	14	18	22	25	28	31	33	36	38
18x16 24x12	2.00	CFM	400	600	800	1000	1200	1400	1600	1800	2000
		NC	14	19	23	26	29	32	34	36	38
18x18	2.25	CFM	450	675	900	1125	1350	1575	1800	2025	2250
		NC	15	19	23	26	29	32	34	37	39

CONTINUED

SERIES XG-RH PERFORMANCE DATA**MODELS XG-RH, XG-RHE, XG-SRH, XG-RH-H, XG-SRH-H**

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-0.005	-0.011	-0.020	-0.031	-0.045	-0.061	-0.080	-0.101	-0.125
30x12	2.50	CFM	500	750	1000	1250	1500	1750	2000	2250	2500
		NC	15	20	24	27	30	32	35	37	39
20x20	2.78	CFM	556	833	1111	1389	1667	1944	2222	2500	2778
		NC	16	20	24	27	30	33	35	38	40
24x18 36x12	3.00	CFM	600	900	1200	1500	1800	2100	2400	2700	3000
		NC	16	21	24	28	31	33	36	38	40
22x22	3.36	CFM	672	1008	1344	1681	2017	2353	2689	3025	3361
		NC	17	21	25	28	31	34	36	39	41
36x14 42x12	3.50	CFM	700	1050	1400	1750	2100	2450	2800	3150	3500
		NC	17	21	25	28	31	34	36	39	41

PERFORMANCE NOTES FOR SERIES XG-RH, XG-RHE, XG-SRH, XG-RH-H, XG-SRH-H

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Velocity Velocity of air stream in Feet per Minute

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.

Nk Vel Neck velocity of air stream in Feet Per Minute

CONTINUED

SERIES XG-RH PERFORMANCE DATA
MODELS XG-RH, XG-RHE, XG-SRH, XG-RH-H, XG-SRH-H

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.009	-.020	-.036	-.056	-.081	-.110	-.143	-.181	-.223
24x22	3.67	CFM	733	1100	1467	1833	2200	2567	2933	3300	3667
		NC	17	21	25	29	31	34	37	39	41
30x18	3.75	CFM	750	1125	1500	1875	2250	2625	3000	3375	3750
		NC	17	22	25	29	32	34	37	39	41
48x12 24x24	4.00	CFM	800	1200	1600	2000	2400	2800	3200	3600	XG-4000
		NC	17	22	26	29	32	35	37	39	41
30x20	4.17	CFM	833	1250	1667	2083	2500	2917	3333	3750	4167
		NC	17	22	26	29	32	35	37	39	42
36x18	4.50	CFM	900	1350	1800	2250	2700	3150	3600	4050	4500
		NC	18	22	26	29	32	35	37	40	42
36x20 30x24	5.00	CFM	1000	1500	2000	2500	3000	3500	XG-4000	4500	5000
		NC	18	23	27	30	33	35	38	40	42
42x18	5.25	CFM	1050	1575	2100	2625	3150	3675	4200	4725	5250
		NC	18	23	27	30	33	36	38	40	43
28x28	5.44	CFM	1089	1633	2178	2722	3267	3811	4356	4900	5444
		NC	19	23	27	30	33	36	38	41	43
36x22	5.50	CFM	1100	1650	2200	2750	3300	3850	4400	4950	5500
		NC	19	23	27	30	33	36	38	41	43
48x18 36x24	6.00	CFM	1200	1800	2400	3000	3600	4200	4800	5400	6000
		NC	19	24	27	31	34	36	39	41	43
48x24 36x32	8.00	CFM	1600	2400	3200	XG-4000	4800	5600	6400	7200	8000
		NC	20	25	29	32	35	38	40	42	44
40x36 48x30	10.00	CFM	2000	3000	XG-4000	5000	6000	7000	8000	9000	10000
		NC	21	26	30	33	36	38	41	43	45
38x38	10.03	CFM	2006	3008	4011	5014	6017	7019	8022	9025	10028
		NC	21	26	30	33	36	39	41	43	45
42x36	10.50	CFM	2100	3150	4200	5250	6300	7350	8400	9450	10500
		NC	21	26	30	33	36	39	41	43	46
46x34	10.86	CFM	2172	3258	4344	5431	6517	7603	8689	9775	10861
		NC	22	26	30	33	36	39	41	44	46
42x38	11.08	CFM	2217	3325	4433	5542	6650	7758	8867	9975	11083
		NC	22	26	30	33	36	39	41	44	46
40x40	11.11	CFM	2222	3333	4444	5556	6667	7778	8889	10000	11111
		NC	22	26	30	33	36	39	41	44	46

CONTINUED

SERIES XG-RH PERFORMANCE DATA**MODELS XG-RH, XG-RHE, XG-SRH, XG-RH-H, XG-SRH-H**

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-0.005	-0.011	-0.020	-0.031	-0.045	-0.061	-0.080	-0.101	-0.125
30x12	2.50	CFM	500	750	1000	1250	1500	1750	2000	2250	2500
		NC	15	20	24	27	30	32	35	37	39
20x20	2.78	CFM	556	833	1111	1389	1667	1944	2222	2500	2778
		NC	16	20	24	27	30	33	35	38	40
24x18 36x12	3.00	CFM	600	900	1200	1500	1800	2100	2400	2700	3000
		NC	16	21	24	28	31	33	36	38	40
22x22	3.36	CFM	672	1008	1344	1681	2017	2353	2689	3025	3361
		NC	17	21	25	28	31	34	36	39	41
36x14 42x12	3.50	CFM	700	1050	1400	1750	2100	2450	2800	3150	3500
		NC	17	21	25	28	31	34	36	39	41

PERFORMANCE NOTES FOR SERIES XG-RH, XG-RHE, XG-SRH, XG-RH-H, XG-SRH-H

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Velocity Velocity of air stream in Feet per Minute

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

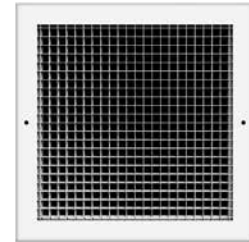
NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (lw)
RE: 10^{-12} watts minus a 10dB room attenuation in all octave bands.

Nk Vel Neck velocity of air stream in Feet Per Minute

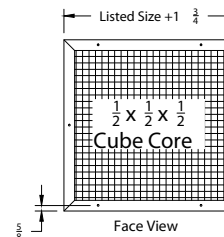
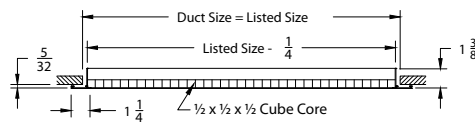
MODEL XG-CC

The XG-CC series cubed core return and exhaust grilles is designed with high free area and low sound and pressure drops. The XG-CC5 series is ideal for applications with size restrictions or as a pressurized ceiling return.

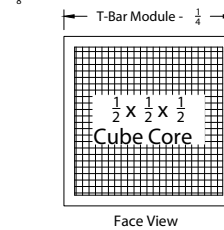
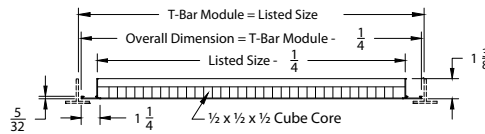
- Aluminum construction



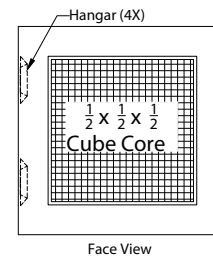
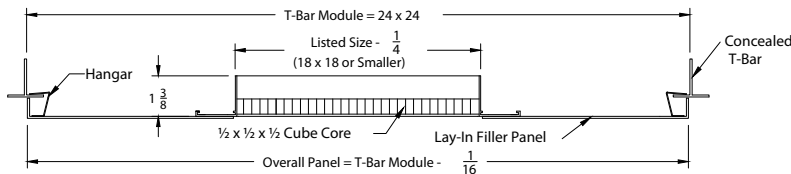
Model: XG-CC5-1 (Sidewall / Ceiling Return Grille - Surface Mount)



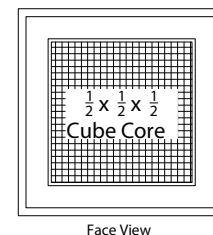
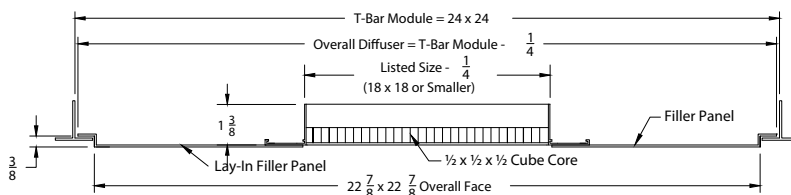
Model: XG-CC5-6 (Ceiling Return Grille - Lay in T-Bar)



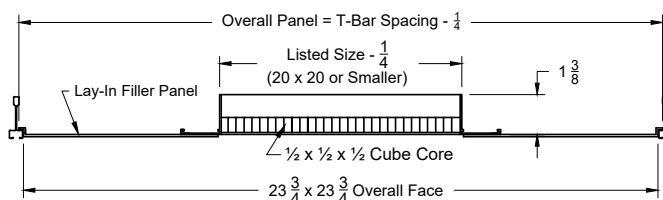
Model: XG-CC5-7 (Sidewall / Ceiling Return Grille - Concealed T-Bar)



Model: XG-CC5-8 (Sidewall / Ceiling Return Grille - Tegular Lay in T-Bar)



Model: XG-CC5-9 (Sidewall Return Grille - Donn Finline Lay in)



SERIES XG-CC5 SPECIFICATIONS**RETURN – CUBED CORE –****ALUMINUM – MODELS XG-CC5/XG-CC15/
XG-CC1**

- Air inlets shall be model XG-CC5 (1/2" x 1/2" x 1/2") manufactured by Greenheck. Units shall be return or exhaust grille of aluminum construction. The units shall be the size and quantity as outlined in the plans and specifications. The border shall be 1 1/4" wide with an aluminum cubed core. The units shall be designed to integrate into the specified ceiling system.
- Optional opposed blade damper shall be constructed of steel (Model XG-OBD) or aluminum (Model XG-OBDA).
- Damper must be operable from the face of the diffuser.

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.

XG-CC5 MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE -- CUBE CORE -- SURFACE MOUNT

Model		Neck										
XG-CC5-1	1/2 x 1/2 x 1/2 Cube Core	6	8	10	12	14	16	18	20	22	24	26
4	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X
42	X	X	X	X	X	X	X	X	X	X	X	X
44	X	X	X	X	X	X	X	X	X	X	X	X
46	X	X	X	X	X	X	X	X	X	X	X	X
48	X	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
24	Mill (Aluminum Construction Only)	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XG-CC5 MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — CUBE CORE — SURFACE MOUNT

Model		Neck											
XG-CC5-1	1/2 x 1/2 x 1/2 Cube Core		28	30	32	34	36	38	40	42	44	46	48
4	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X	X
42	X	X	X	X	X	X	X	X	X	X	X	X	X
44	X	X	X	X	X	X	X	X	X	X	X	X	X
46	X	X	X	X	X	X	X	X	X	X	X	X	X
48	X	X	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
24	Mill (Aluminum Construction Only)	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

**XG-CC5 MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — CUBE CORE — LAY-IN**

Model		Neck										Module
XG-CC5-6	1/2 x 1/2 x 1/2 Cube Core	6	8	10	12	14	16	18	20	22		
4	X	X									12 x 12	
6	X	X										
8	X	X										
10				X							24 x 12	
4	X	X	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X	X	X			
8	X	X	X	X	X	X	X	X	X			
10										X	24 x 24	
4	X	X	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X	X	X			
8	X	X	X	X	X	X	X	X	X			
10	X	X	X	X	X	X	X	X	X			
12	X	X	X	X	X	X	X	X	X			
14	X	X	X	X	X	X	X	X	X			
16	X	X	X	X	X	X	X	X	X			
18	X	X	X	X	X	X	X	X	X			
20	X	X	X	X	X	X	X	X	X			
22										X		

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-CC5 MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — CUBE CORE — LAY-IN

Model		Neck									Module
XG-CC5-6	1/2 x 1/2 x 1/2 Cube Core	6	8	10	12	14	16	18	20	22	
4	X	X	X	X	X	X	X	X	X	X	36 x 24
6	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	
10	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X	X	X	X	
22											
4	X	X	X	X	X	X	X	X	X	X	36 x 36
6	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	
10	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X	X	X	X	
22	X	X	X	X	X	X	X	X	X	X	
24	X	X	X	X	X	X	X	X	X	X	
26	X	X	X	X	X	X	X	X	X	X	
28	X	X	X	X	X	X	X	X	X	X	
30	X	X	X	X	X	X	X	X	X	X	
32	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

XG-CC5 MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — CUBE CORE — LAY-IN

Model		Neck										Module
XG-CC5-6	1/2 x 1/2 x 1/2 Cube Core	6	8	10	12	14	16	18	20	22	26	
4	X	X	X	X	X	X	X	X	X	X	X	48 x 24
6	X	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	X	
10	X	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X	X	X	X	X	
22												
4	X	X	X	X	X	X	X	X	X	X	X	48 x 48
6	X	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	X	
10	X	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X	X	X	X	X	
22	X	X	X	X	X	X	X	X	X	X	X	
24	X	X	X	X	X	X	X	X	X	X	X	
26	X	X	X	X	X	X	X	X	X	X	X	
28	X	X	X	X	X	X	X	X	X	X	X	
30	X	X	X	X	X	X	X	X	X	X	X	
32	X	X	X	X	X	X	X	X	X	X	X	
34	X	X	X	X	X	X	X	X	X	X	X	
36	X	X	X	X	X	X	X	X	X	X	X	
38	X	X	X	X	X	X	X	X	X	X	X	
40	X	X	X	X	X	X	X	X	X	X	X	
42	X	X	X	X	X	X	X	X	X	X	X	
44	X	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition



XG-CC5 MODEL NUMBER SPECIFICATION
SIDEWALL RETURN GRILLE — CUBE CORE — LAY-IN

Model		Neck										Module
XG-CC5-6	1/2 x 1/2 x 1/2 Cube Core	28	30	32	34	36	38	40	42	44	46	
		4	X	X	X	X	X	X	X	X	X	48 x 24
		6	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	
		22										
		4	X	X	X	X	X	X	X	X	X	48 x 48
		6	X	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	X	
		22	X	X	X	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X	X	X	
		26	X	X	X	X	X	X	X	X	X	
		28	X	X	X	X	X	X	X	X	X	
		30	X	X	X	X	X	X	X	X	X	
		32	X	X	X	X	X	X	X	X	X	
		34	X	X	X	X	X	X	X	X	X	
		36	X	X	X	X	X	X	X	X	X	
		38	X	X	X	X	X	X	X	X	X	
		40	X	X	X	X	X	X	X	X	X	
		42	X	X	X	X	X	X	X	X	X	
		44	X	X	X	X	X	X	X	X	X	
		46										X

Available Finishes		Available Accessories	
Standard		XG-OBD	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

**XG-CC5 MODEL NUMBER SPECIFICATION
 SIDEWALL RETURN GRILLE — CUBE CORE — LAY-IN**

Model		Neck									Module
		6	8	10	12	14	16	18	20		
XG-CC5-7	1/2 x 1/2 x 1/2 Concealed Spline Ceiling		X	X	X	X	X	X	X	X	24 x 24
XG-CC5-8	1/2 x 1/2 x 1/2 Tegular Ceiling	4	X	X	X	X	X	X	X	X	
XG-CC5-9	1/2 x 1/2 x 1/2 Donn Finline/Bolt Slot Ceiling	6	X	X	X	X	X	X	X	X	
		8	X	X	X	X	X	X	X	X	
		10	X	X	X	X	X	X	X	X	
		12	X	X	X	X	X	X	X	X	
		14	X	X	X	X	X	X	X	X	
		16	X	X	X	X	X	X	X	X	
		18	X	X	X	X	X	X	X	X	
		20	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Aluminum Opposed Blade Damper
01	White	XG-OB	Steel Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver		
03	Black		
24	Mill		
28	Custom Color		

SERIES XG-CC PERFORMANCE DATA
MODELS XG-CC5

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.006	-.013	-.024	-.037	-.054	-.073	-.095	-.120	-.149
06x06	.25	CFM	46	69	92	115	138	161	184	207	230
		NC	-	-	-	-	-	14	18	22	26
08x06	.33	CFM	61	92	122	152	183	213	243	274	304
		NC	-	-	-	-	-	15	19	23	27
10x06	.42	CFM	77	115	154	192	230	268	307	345	383
		NC	-	-	-	-	11	16	20	24	28
08x08	.44	CFM	83	125	166	204	249	291	332	374	415
		NC	-	-	-	-	11	16	21	25	28
12x06	.50	CFM	92	139	185	232	279	325	372	418	465
		NC	-	-	-	-	12	17	21	25	29
16x06 12x08	.67	CFM	126	189	253	317	378	442	506	570	630
		NC	-	-	-	-	13	18	22	26	30
10x10	.69	CFM	131	196	261	327	392	457	522	588	653
		NC	-	-	-	-	13	18	22	26	30
12x10 20x06	.83	CFM	157	235	313	391	469	547	625	703	781
		NC	-	-	-	-	13	18	23	26	30
24x06 12x12	1.00	CFM	191	287	382	478	573	669	764	860	955
		NC	-	-	-	-	14	19	24	28	31
14x12	1.16	CFM	222	333	444	554	665	776	887	998	1108
		NC	-	-	-	-	15	20	24	28	31
18x10 30x06	1.25	CFM	239	359	478	597	717	836	955	1075	1194
		NC	-	-	-	-	15	20	25	29	32
14x14	1.36	CFM	260	390	520	650	780	910	1040	1169	1299
		NC	-	-	-	-	15	20	25	29	32
18x12 36x06	1.50	CFM	287	430	573	717	860	1003	1146	1290	1433
		NC	-	-	-	-	16	21	25	29	33
24x10 30x08	1.67	CFM	319	479	638	798	957	1117	1276	1436	1595
		NC	-	-	-	-	16	21	25	29	33
18x14 42x06	1.75	CFM	335	502	669	836	1003	1170	1337	1505	1672
		NC	-	-	-	-	16	21	26	30	33
18x16 24x12	2.00	CFM	382	573	764	955	1146	1337	1528	1719	1910
		NC	-	-	-	11	17	22	26	30	33
18x18	2.25	CFM	430	645	860	1075	1290	1505	1719	1934	2149
		NC	-	-	-	11	17	22	26	30	34
30x12	2.50	CFM	478	717	955	1194	1433	1672	1910	2149	2388
		NC	-	-	-	11	17	23	27	31	34
20x20	2.78	CFM	531	797	1062	1328	1593	1859	2124	2390	2655
		NC	-	-	-	12	18	23	27	31	35

CONTINUED

**SERIES XG-CC PERFORMANCE DATA
MODELS XG-CC5**

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-0.006	-0.013	-0.024	-0.037	-0.054	-0.073	-0.095	-0.120	-0.149
24x18 36x12	3.00	CFM	573	860	1146	1433	1719	2006	2292	2579	2865
		NC	-	-	-	12	18	23	28	32	35
22x22	3.36	CFM	642	963	1284	1605	1926	2247	2568	2888	3209
		NC	-	-	-	12	18	23	28	32	35
36x14 42x12	3.50	CFM	669	1003	1337	1672	2006	2340	2674	3009	3343
		NC	-	-	-	13	19	24	28	32	36

PERFORMANCE NOTES FOR SERIES XG-CC

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (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

SERIES XG-CC PERFORMANCE DATA
MODELS XG-CC5

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-0.006	-0.013	-0.024	-0.037	-0.054	-0.073	-0.095	-0.120	-0.149
24x22	3.67	CFM	705	1057	1410	1762	2114	2467	2819	3171	3524
		NC	-	-	-	13	19	24	28	32	36
30x18	3.75	CFM	720	1080	1440	1800	2160	2520	2880	3240	3600
		NC	-	-	-	13	19	24	28	32	36
48x12 24x24	4.00	CFM	768	1152	1536	1920	2304	2688	3072	3456	3840
		NC	-	-	-	13	19	24	29	33	36
30x20	4.17	CFM	800	1200	1600	2000	2400	2800	3200	3600	XG-4000
		NC	-	-	-	13	19	24	29	33	36
36x18	4.50	CFM	864	1296	1728	2160	2592	3024	3456	3888	4320
		NC	-	-	-	14	20	25	29	33	37
36x20 30x24	5.00	CFM	960	1440	1920	2400	2880	3360	3840	4320	4800
		NC	-	-	-	14	20	25	30	33	37
42x18	5.25	CFM	1008	1512	2016	2520	3024	3528	4032	4536	5040
		NC	-	-	-	14	20	25	30	34	37
28x28	5.44	CFM	1045	1567	2089	2612	3134	3656	4178	4701	5223
		NC	-	-	-	14	20	25	30	34	37
36x22	5.50	CFM	1056	1584	2112	2640	3168	3696	4224	4752	5280
		NC	-	-	-	14	20	25	30	34	37
48x18 36x24	6.00	CFM	1152	1728	2304	2880	3456	4032	4608	5184	5760
		NC	-	-	-	15	21	26	30	34	38
48x24 36x32	8.00	CFM	1536	2304	3072	3840	4608	5376	6144	6912	7680
		NC	-	-	-	16	22	27	31	35	39
48x30 42x34	10.00	CFM	1920	2880	3840	4800	5760	6720	7680	8640	9600
		NC	-	-	-	16	23	28	32	36	39
38x38	10.03	CFM	1926	2889	3852	4815	5778	6741	7704	8666	9629
		NC	-	-	-	16	23	28	32	36	39
42x36	10.50	CFM	2016	3024	4032	5040	6048	7056	8064	9072	10080
		NC	-	-	11	17	23	28	32	36	40
46x34	10.86	CFM	2086	3128	4171	5213	6256	7298	8341	9384	10426
		NC	-	-	11	17	23	28	32	36	40
42x38	11.08	CFM	2128	3192	4255	5319	6383	7446	8510	9574	10637
		NC	-	-	11	17	23	28	32	36	40
40x40	11.11	CFM	2134	3200	4267	5333	6400	7466	8533	9600	10666
		NC	-	-	11	17	23	28	32	36	40
48x36	12.00	CFM	2304	3456	4608	5760	6912	8064	9216	10368	11520
		NC	-	-	11	17	23	28	33	37	40

CONTINUED

SERIES XG-CC PERFORMANCE DATA
MODELS XG-CC5

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-0.06	-0.13	-0.24	-0.37	-0.54	-0.73	-0.95	-1.20	-1.49
42x42	12.25	CFM	2352	3528	4704	5880	7056	8232	9408	10584	11760
		NC	-	-	11	17	23	28	33	37	40
44x44	13.44	CFM	2581	3871	5161	6452	7742	9032	10322	11613	12903
		NC	-	-	12	18	24	29	33	37	41
46x46	14.69	CFM	2821	4231	5641	7052	8462	9872	11282	12693	14103
		NC	-	-	12	18	24	29	33	37	41
48x48	16.00	CFM	3072	4608	6144	7680	9216	10752	12288	13824	15360
		NC	-	-	12	18	24	29	34	38	41

PERFORMANCE NOTES FOR SERIES XG-CC

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

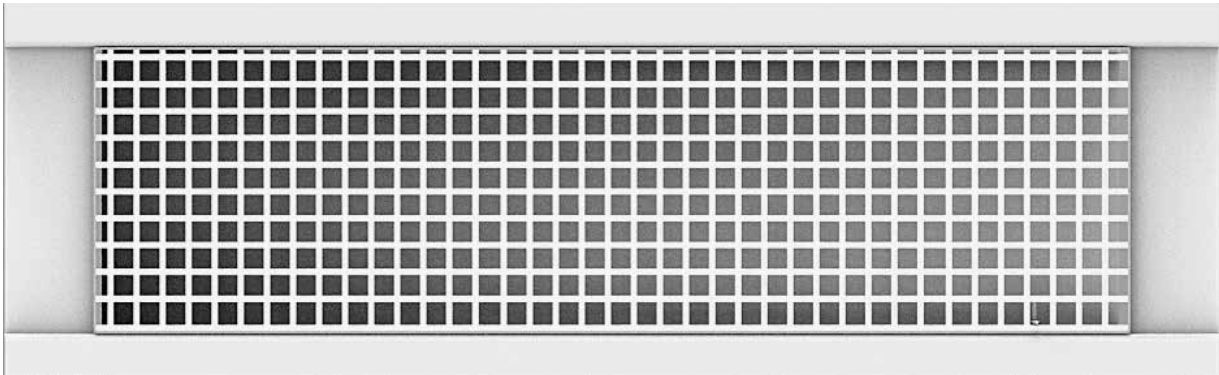
Velocity Velocity of air stream in Feet Per Minute

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

SPIRAL DUCT GRILLES



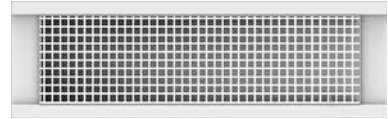
Greenheck spiral duct grilles are designed specifically for mounting on a round or spiral duct eliminating the need for a contractor fabricated register tab.

Aluminum/Steel Spiral Duct Mounted Grille

The XG-4004P series of spiral duct grilles offers a double deflection and perforated face supply as well as a perforated face return. The XG-4004P series is designed so that the flange meets flush to the duct regardless of the duct diameter.

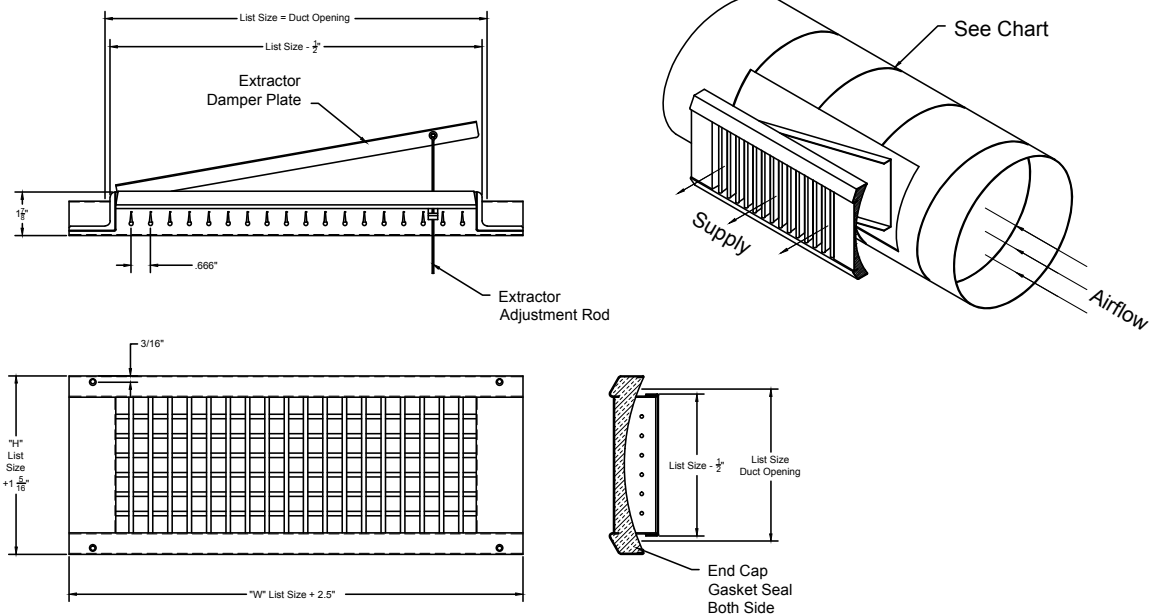
- XG-4004P – Aluminum – Double deflection supply
 - XG-4004SP – Steel – Double deflection supply
-

MODEL XG-4004P



The XG-4004P series offers superior performance and a clean low profile appearance. This series is available as a double deflection supply (XG-4004P/XG-4004SP) is designed specifically for direct mounting onto spiral duct. This series is available in aluminum (XG-4004P) construction.

- Vertical front blades on double deflection models
- Integral gaskets seal grille tightly to duct
- Includes built-in extractor on supply unit to allow accurate balancing and uniform air flow
- Available for duct diameters 10" to 48"



SERIES XG-4004P SPECIFICATIONS**SUPPLY/RETURN — SPIRAL DUCT GRILLE —
ALUMINUM/STEEL****MODELS XG-4004P/XG-4004SP**

- Air outlets shall be model XG-4004P/XG-4004SP manufactured by Greenheck. Supply units shall be double deflection (XG-4004P/XG-4004SP) with adjustable front and rear blades. The units shall be aluminum (XG-4004P) or steel construction and shall be size and quantity as outlined in the plans and specifications. The supply units shall include an air extractor mounted on the back of the grille. The extractor shall be face operated using an extractor adjustment rod. The grille shall conform tightly to the duct radius and include a foam gasket around the sides and end caps of the unit. The border shall be 15/16" wide on both the double deflection and perforated units. The double deflection units shall have aerodynamically shaped deflector blades on 2/3" center. The deflector blades shall be individually adjustable. The blades shall pivot in polymer friction mounting retainers. The retainers shall hold the deflector blade position throughout the specified operating range of the device. The units shall be designed for surface mounting with countersunk screw holes on the face of the device.

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.

**XG-4004P MODEL NUMBER SPECIFICATION
SPIRAL DUCT GRILLE**

Model		Width	Height	Available Finishes	
XG-4004P	Aluminum - Double Deflection Supply	10 - 48	3 - 12	Standard	
XG-4004SP	Galvanized Steel - Double Deflection Supply			01	White (Aluminum Construction)
				24	Mill (Galvanized Steel Construction)
				Optional Aluminum Construction	
				02	Satin Silver
				03	Black

Available Options	
NSH	No Screw Holes

Available in Listed Sizes Only

Height	Width														
	10	12	14	16	18	20	24	30	36	38	40	42	44	46	48
	Minimum / Maximum Duct Diameter														
3	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24	6/24
4	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24	8/24
6	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24	12/24
8	-	-	20/36	20/36	20/36	20/36	20/36	20/36	20/36	20/36	20/36	20/36	20/36	20/36	20/36
10	-	-	-	-	30/48	30/48	30/48	30/48	30/48	30/48	30/48	30/48	30/48	30/48	30/48
12	-	-	-	-	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48

SERIES XG-4004P PERFORMANCE DATA
MODELS XG-4004P, XG-4004SP

Size	Nk Vel	Pt	200	300	400	500	600	700	800	900
			.007	.015	.027	.042	.061	.083	.108	.137
10x03	Ac ft ²	CFM	29	43	58	72	87	101	116	130
	0.15	NC	-	-	-	-	14	19	23	26
	Throw		2-4-9	4-6-12	6-9-14	7-11-16	9-12-17	10-13-18	11-14-20	12-15-21
12x03	Ac ft ²	CFM	35	53	70	88	105	123	141	158
	0.18	NC	-	-	-	-	15	20	24	27
	Throw		2-4-10	4-7-13	6-10-15	8-12-17	10-13-19	11-14-20	13-15-22	13-16-23
10x04 14x03	Ac ft ²	CFM	42	63	84	104	125	146	167	188
	0.21	NC	-	-	-	-	16	20	24	28
	Throw		2-5-10	5-8-15	7-10-17	9-13-19	10-15-21	12-16-22	14-17-24	15-18-25
12x04 16x03	Ac ft ²	CFM	51	76	102	127	152	178	203	229
	0.26	NC	-	-	-	11	17	21	25	29
	Throw		2-5-11	5-9-16	8-11-19	10-14-21	11-16-23	13-17-25	15-19-26	16-20-28
18x03 14x04	Ac ft ²	CFM	54	81	108	135	162	189	216	243
	0.27	NC	-	-	-	11	17	22	26	29
	Throw		2-6-12	6-9-17	8-12-19	10-15-21	12-17-23	14-18-25	16-19-27	17-20-29
10x06 16x04 20x03	Ac ft ²	CFM	68	101	135	169	202	236	270	304
	0.34	NC	-	-	-	12	18	22	26	30
	Throw		3-6-13	6-10-18	9-13-21	11-17-24	13-18-26	15-20-28	17-21-30	18-23-32
12x06 18x04 24x03	Ac ft ²	CFM	82	123	164	205	246	287	328	369
	0.41	NC	-	-	-	13	19	23	27	31
	Throw		3-7-15	7-11-20	10-15-24	12-18-26	15-20-29	17-22-31	19-24-33	20-25-35
30x03	Ac ft ²	CFM	92	137	183	229	274	320	366	411
	0.46	NC	-	-	-	14	19	24	28	31
	Throw		3-7-15	7-12-22	10-15-25	13-19-28	15-22-30	18-23-33	20-25-35	22-26-37
14x06 20x04	Ac ft ²	CFM	97	145	193	241	290	338	386	435
	0.49	NC	-	-	-	14	19	24	28	31
	Throw		3-7-16	7-12-22	11-16-26	13-20-29	16-22-31	18-24-34	21-26-36	22-27-38
16x06 24x04	Ac ft ²	CFM	111	167	222	278	334	389	445	500
	0.56	NC	-	-	-	15	20	25	39	32
	Throw		4-8-17	8-13-24	11-17-27	14-21-31	17-24-34	20-26-36	22-27-39	24-29-41
18x06 36x03	Ac ft ²	CFM	126	188	251	314	377	440	503	566
	0.63	NC	-	-	-	15	20	25	29	31
	Throw		4-8-18	8-14-25	12-18-29	15-23-33	18-25-36	21-27-39	24-29-41	25-31-44
14x08	Ac ft ²	CFM	134	200	267	334	400	467	534	600
	0.67	NC	-	-	-	15	21	25	29	31
	Throw		4-9-19	9-14-26	12-19-30	16-23-34	19-26-37	22-28-40	25-30-42	26-32-45

CONTINUED

SERIES XG-4004P PERFORMANCE DATA
MODELS XG-4004P, XG-4004SP

Size	Nk Vel	Pt	200	300	400	500	600	700	800	900
			.007	.015	.027	.042	.061	.083	.108	.137
16x08	Ac ft ²	CFM	154	230	307	384	461	538	614	691
	0.77	NC	-	-	-	16	21	26	30	33
20x06	Throw		4-9-20	9-15-28	13-20-32	17-25-36	20-28-39	23-30-43	26-32-46	28-34-48
18x08	Ac ft ²	CFM	174	261	348	434	521	608	695	782
	0.87	NC	-	-	-	16	22	26	30	34
24x06	Throw		4-10-21	10-16-30	14-21-34	18-27-38	21-30-42	25-32-45	28-34-48	30-36-51
36x04	Ac ft ²	CFM	194	291	388	485	582	678	775	872
	0.97	NC	-	-	11	17	21	27	31	34
20x08 42x04	Throw		5-11-22	10-17-31	15-22-36	19-28-40	22-31-44	26-34-48	30-36-51	31-38-54
18x10 30x06	Ac ft ²	CFM	222	333	444	554	665	776	887	997
	1.11	NC	-	-	12	17	23	27	31	35
20x10	Throw		5-11-24	11-18-34	16-24-39	20-30-43	24-34-47	28-36-51	32-39-55	34-41-58
24x08	Ac ft ²	CFM	247	371	494	618	742	865	989	1112
	1.24	NC	-	-	12	18	23	28	32	35
48x04	Throw		5-12-25	12-19-35	17-25-41	21-32-46	25-35-50	30-38-54	33-41-58	35-43-61

PERFORMANCE NOTES FOR SERIES XG-4000P

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Velocity Velocity of air stream in Feet per Minute

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

Throw Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

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

Ac Actual Core Free Area in square feet

SERIES XG-4004P PERFORMANCE DATA
MODELS XG-4004P, XG-4004SP

Size	Nk Vel	Pt	200	300	400	500	600	700	800	900
			.007	.015	.027	.042	.061	.083	.108	.137
18x12 36x06	Ac ft ²	CFM	270	405	539	674	809	943	1078	1212
	1.35	NC	-	-	12	18	24	28	32	36
	Throw		6-12-27	12-20-37	18-26-43	22-33-48	26-37-52	31-40-56	35-43-60	37-45-64
20x12 24x10 30x08	Ac ft ²	CFM	301	451	602	752	903	1053	1203	1354
	1.51	NC	-	-	12	19	24	29	33	36
	Throw		6-13-28	13-21-39	19-28-45	23-35-50	28-39-55	33-42-60	37-45-64	39-48-68
42x06	Ac ft ²	CFM	301	451	602	752	903	1053	1203	1354
	1.51	NC	-	-	12	19	24	29	33	36
	Throw		6-13-28	13-21-39	19-28-45	23-35-50	28-39-55	33-42-60	37-45-64	39-48-68
24x12 36x08 48x06	Ac ft ²	CFM	364	546	727	909	1090	1272	1453	1635
	1.82	NC	-	-	13	19	25	30	33	37
	Throw		6-14-31	14-23-43	20-31-50	26-38-55	31-43-61	36-46-66	40-50-70	43-53-74
30x10	Ac ft ²	CFM	376	564	752	939	1127	1315	1503	1680
	1.88	NC	-	-	13	20	25	30	34	37
	Throw		6-15-31	15-23-44	21-31-50	26-39-56	31-44-62	36-47-67	41-50-71	44-53-76
42x08	Ac ft ²	CFM	416	634	831	1039	1246	1454	1661	1869
	2.08	NC	-	-	13	20	25	30	34	38
	Throw		7-15-33	15-25-46	22-33-53	27-41-59	33-46-65	38-50-70	43-53-75	46-56-79
30x12 36x10	Ac ft ²	CFM	456	685	914	1142	1371	1600	1829	2057
	2.28	NC	-	-	14	20	26	30	34	38
	Throw		7-16-34	16-26-48	23-34-56	29-43-62	34-48-68	40-52-74	45-56-79	48-59-83
48x08	Ac ft ²	CFM	476	714	952	1190	1428	1666	1904	2142
	2.38	NC	-	-	14	21	26	31	35	38
	Throw		7-16-35	16-26-49	23-35-57	29-44-63	35-49-69	41-53-75	46-57-80	49-60-85
42x10	Ac ft ²	CFM	530	795	1060	1325	1590	1855	2120	2385
	2.65	NC	-	-	14	21	26	31	35	39
	Throw		8-17-37	17-28-52	25-37-60	31-46-67	37-52-73	43-56-79	49-60-85	52-63-90
36x12	Ac ft ²	CFM	550	826	1101	1377	1652	1928	2203	2479
	2.75	NC	-	-	15	21	27	31	35	39
	Throw		8-18-38	18-28-53	25-38-61	32-47-68	38-53-75	44-57-81	50-61-86	53-65-92

CONTINUED

SERIES XG-4004P PERFORMANCE DATA
MODELS XG-4004P, XG-4004SP

Size	Nk Vel		200	300	400	500	600	700	800	900
	Pt		.007	.015	.027	.042	.061	.083	.108	.137
48x10	Ac ft ²	CFM	606	910	1214	1517	1821	2125	2429	2732
	3.03	NC	-	-	15	22	27	32	36	39
	Throw		8-19-40	19-30-55	26-40-64	33-50-72	40-55-78	46-60-85	52-64-91	55-68-96
42x12	Ac ft ²	CFM	646	968	1291	1613	1935	2257	2580	2902
	3.23	NC	-	-	15	22	27	32	36	39
	Throw		9-19-41	19-31-57	27-41-66	34-51-74	41-57-81	48-62-87	54-66-93	57-70-99
48x12	Ac ft ²	CFM	738	1107	1476	1845	2214	2583	2952	3321
	1.22	NC	-	-	16	22	38	32	36	40
	Throw		9-20-44	20-33-61	29-44-71	36-55-79	44-61-87	51-66-93	58-71-100	61-75-106

PERFORMANCE NOTES FOR SERIES XG-4004P

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Velocity Velocity of air stream in Feet per Minute

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

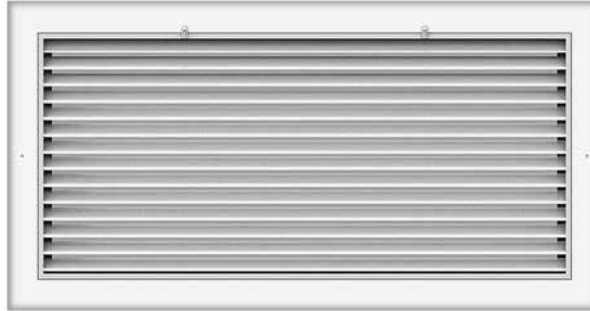
Throw Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

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

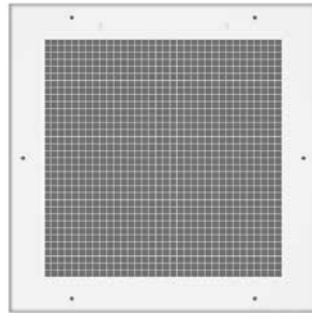
Ac Actual Core Free Area in square feet

FILTER GRILLES

MODEL XG-RHF



MODEL XG-CC5F



Greenheck offers a complete line of return filter grilles available in steel or aluminum construction with louvered, egg crate or perforated face design.

Aluminum/Steel Louvered Filter Grille

The XG-RHF series of louvered filter grilles is available in aluminum or steel construction and is designed to accept 1" or 2" filters (by others). The hinged face design allows access to the filter and aids in the cleaning of the grille.

- XG-RHF – Aluminum louvered face filter grille
- XG-RHEF – Extruded aluminum louvered face filter grille
- XG-SRHF – Steel louvered face filter grille

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Aluminum Cubed Core Filter Grille

The XG-CC5F series of cubed core filter grilles is available in aluminum construction and is designed to accept 1" or 2" filters (by others). The hinged face design allows access to the filter and aids in the cleaning of the grille.

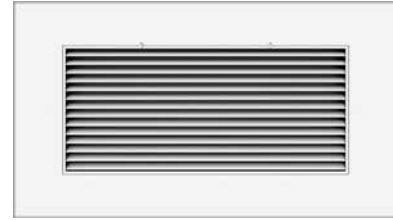
- XG-CC5F – Aluminum cubed core filter grille

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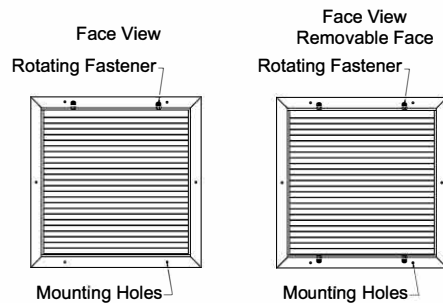
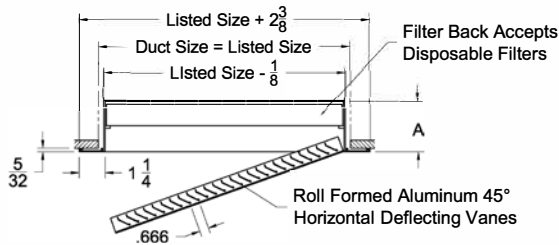
MODEL XG-RHF

The XG-RHF series of louvered filter grilles combines the advantages of rugged construction with attractive design and solid performance. The XG-RHF series is available in aluminum (XG-RHF), extruded aluminum (XG-RHEF) and steel (XG-SRHF) construction.

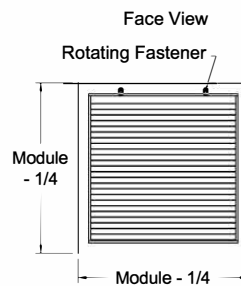
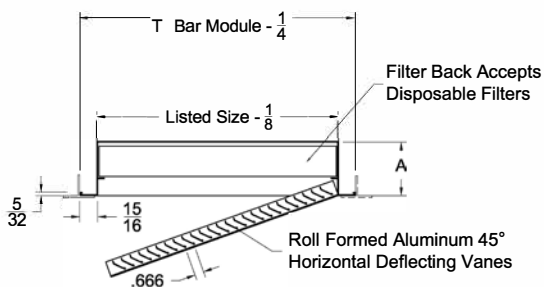
- Horizontal blades fixed at 40° deflection
- Optional stainless steel construction
- Hinged face for easy access to the filter
- Optional fully removable face
- Standard 1" filter rack
- Optional 2" filter rack



Model: XG-RHF-1 (Filter Return Grille - Surface Mount)



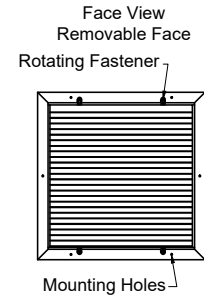
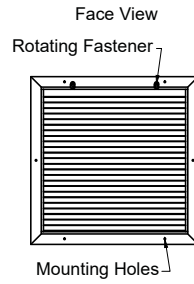
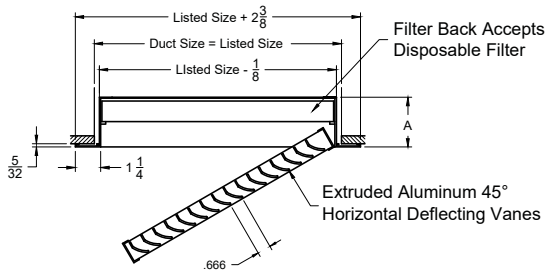
Model: XG-RHF-6 (Filter Return Grille - Lay in T-Bar)



Disposable Filter Thickness	Dimension A
1	2 7/16
2	3 7/16

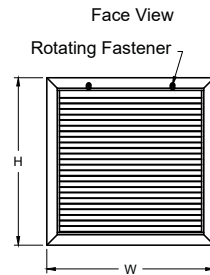
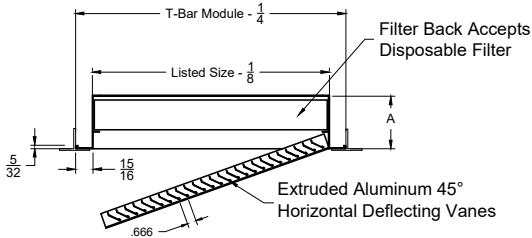
Disposable Filter Thickness	Dimension B
1	3 15/16
2	4 15/16

**Model: XG-RHEF-1 (Filter Return Grille)
(Surface Mount)**

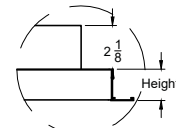


Disposable Filter Thickness	Dimension A
1	2 7/16
2	3 7/16

**Model: XG-RHEF-6 (Filter Return Grille)
(Lay in T-Bar)**



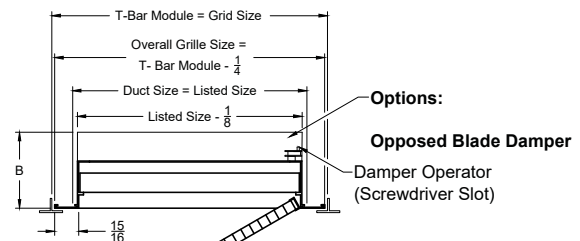
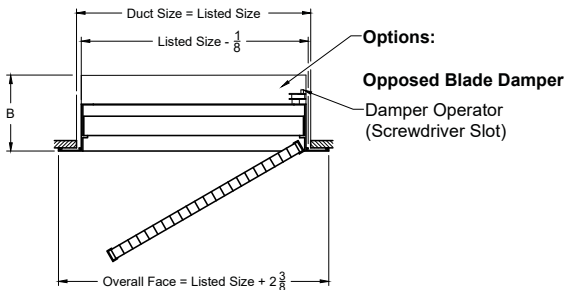
Disposable Filter Thickness	Dimension B
1	3 15/16
2	4 15/16

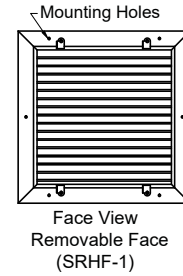
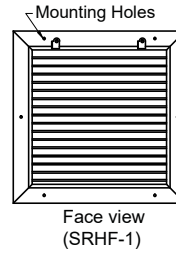
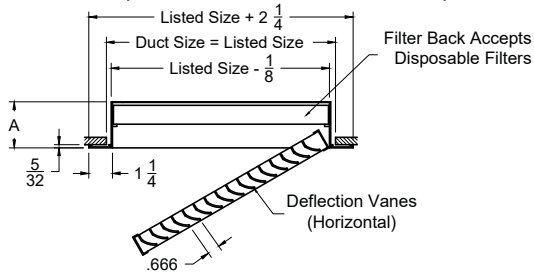
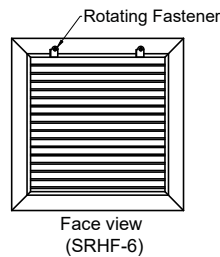
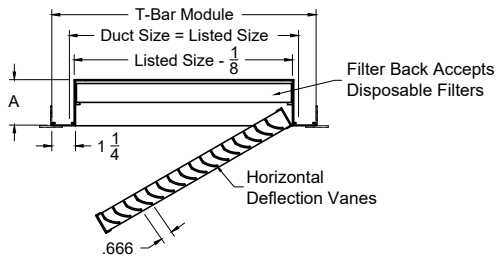


XG-TR (A)/XG-TR Deep (B) Transition Square/Rectangular To Round

Lay-in T-Bar Modules for XG-RHEF - 6				
Module Size	12 x 12	24 x 12	24 x 24	48 x 24
Listed Size	10 x 10	22 x 10	22 x 22	46 x 22
Overall Dim. (W x H)	11 3/4 x 11 3/4	23 3/4 x 11 3/4	23 3/4 x 23 3/4	47 3/4 x 23 3/4

Damper Options:

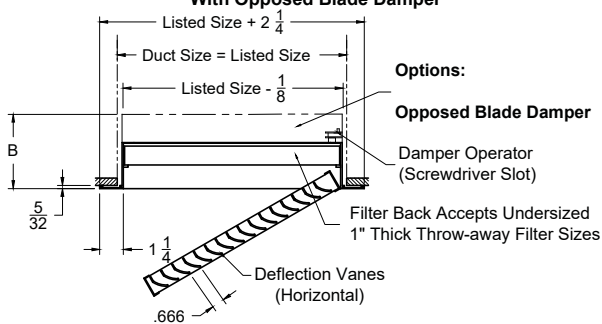
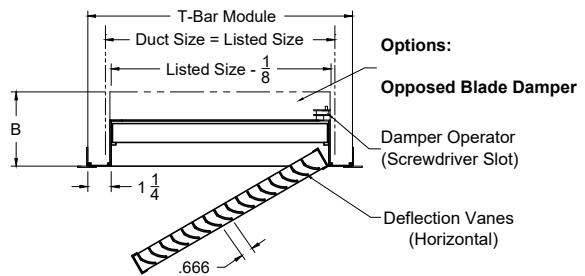


Model: XG-SRHF-1 (Filter Return Grille - Surface Mount)

Model: XG-SRHF-6 (Filter Return Grille - Lay in T-Bar)


Disposable Filter Thickness	Dimension A
1	2 7/16
2	3 7/16

Disposable Filter Thickness	Dimension B
1	3 15/16
2	4 15/16

Lay-in T-bar Modules for XG-SRHF - 6 and XG-SRHF-D - 6 Models								
12 x 12	24 x 12	36 x 12	48 x 12	24 x 24	36 x 24	48 x 24	36 x 36	48 x 48
Listed Size								
10 x 10	22 x 10	34 x 10	46 x 10	22 x 22	34 x 22	46 x 22	34 x 34	46 x 46

**Option: XG-SRHF-1 (Register - Surface Mount)
With Opposed Blade Damper**

**Option: XG-SRHF-6 (Register - Lay in T-Bar)
With Opposed Blade Damper**


SERIES XG-RHF SPECIFICATIONS**RETURN FILTER GRILLE –
FIXED HORIZONTAL BLADE –
ALUMINUM/EXTRUDED
ALUMINUM/STEEL****Models XG-RHF/XG-RHEF/XG-SRHF**

- Air inlets shall be model XG-RHF/XG-RHEF/XG-SRHF manufactured by Greenheck. Units shall be filter return or exhaust grilles of aluminum (XG-RHF), extruded aluminum (XG-RHEF) or steel (XG-SRHF) construction and have a single set of fixed horizontal blades. The units shall include a hinged face and integral frame designed to accept a 1" thick (optional 2" thick) filter. The grille face shall be secured in place with thumb latches. The units shall be the size and quantity as outlined in the plans and specifications. The border shall be 1 1/4" wide with aerodynamically shaped deflector blades on 2/3" center set at 40°.
- Optional opposed blade damper shall be constructed of steel (Model XG-OBD) or aluminum (Model XG-OBDA).
- Damper must be operable from the face of the register.

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.

XG-RHF MODEL NUMBER SPECIFICATION

RETURN FILTER GRILLE — FIXED HORIZONTAL BLADES — SURFACE MOUNT

Model		Neck											
XG-RHF-1	Aluminum		6	8	10	12	14	16	18	20	22	24	26
XG-RHEF-1	Extruded Aluminum	4	X	X	X	X	X	X	X	X	X	X	X
XG-SRHF-1	Steel	5	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X	X	X	X	X	X	X	X	X
		8	X	X	X	X	X	X	X	X	X	X	X
		10	X	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X	X
		38	X	X	X	X	X	X	X	X	X	X	X
		40	X	X	X	X	X	X	X	X	X	X	X
		42	X	X	X	X	X	X	X	X	X	X	X
		44	X	X	X	X	X	X	X	X	X	X	X
		46	X	X	X	X	X	X	X	X	X	X	X
		48	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
24	Mill (Aluminum Construction Only)	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting
FF	2" Filter Frame

XG-RHF MODEL NUMBER SPECIFICATION**RETURN FILTER GRILLE — FIXED HORIZONTAL BLADES — SURFACE MOUNT**

Model		Neck											
			28	30	32	34	36	38	40	42	44	46	48
XG-RHF-1	Aluminum												
XG-RHEF-1	Extruded Aluminum	4	X	X	X	X	X	X	X	X	X	X	X
XG-SRHF-1	Steel	5	X	X	X	X	X	X	X	X	X	X	X
		6	X	X	X	X	X	X	X	X	X	X	X
		8	X	X	X	X	X	X	X	X	X	X	X
		10	X	X	X	X	X	X	X	X	X	X	X
		12	X	X	X	X	X	X	X	X	X	X	X
		14	X	X	X	X	X	X	X	X	X	X	X
		16	X	X	X	X	X	X	X	X	X	X	X
		18	X	X	X	X	X	X	X	X	X	X	X
		20	X	X	X	X	X	X	X	X	X	X	X
		22	X	X	X	X	X	X	X	X	X	X	X
		24	X	X	X	X	X	X	X	X	X	X	X
		26	X	X	X	X	X	X	X	X	X	X	X
		28	X	X	X	X	X	X	X	X	X	X	X
		30	X	X	X	X	X	X	X	X	X	X	X
		32	X	X	X	X	X	X	X	X	X	X	X
		34	X	X	X	X	X	X	X	X	X	X	X
		36	X	X	X	X	X	X	X	X	X	X	X
		38	X	X	X	X	X	X	X	X	X	X	X
		40	X	X	X	X	X	X	X	X	X	X	X
		42	X	X	X	X	X	X	X	X	X	X	X
		44	X	X	X	X	X	X	X	X	X	X	X
		46	X	X	X	X	X	X	X	X	X	X	X
		48	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
24	Mill (Aluminum Construction Only)	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting
FF	2" Filter Frame

SERIES XG-RHF MODEL NUMBER SPECIFICATION
FILTER RETURN GRILLE - FIXED HORIZONTAL BLADES - LAY-IN

Model		Neck										Module	
		6	8	10	12	14	16	18	20	22	24		
XG-RHF-6	Aluminum												12 x 12
XG-RHEF-6	Extruded Aluminum	4	X	X									
XG-SRHF-6	Steel	6	X	X									
		8	X	X									
		10			X								24 x 12
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X			
		10								X			24 x 24
		4	X	X	X	X	X	X	X	X			
		6	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X			
		10	X	X	X	X	X	X	X	X			
		12	X	X	X	X	X	X	X	X			
		14	X	X	X	X	X	X	X	X			
		16	X	X	X	X	X	X	X	X			
		18	X	X	X	X	X	X	X	X			
		20	X	X	X	X	X	X	X	X			
		22								X			
		4	X	X	X	X	X	X	X	X	X		48 x 24
		6	X	X	X	X	X	X	X	X	X		
		8	X	X	X	X	X	X	X	X	X		
		10	X	X	X	X	X	X	X	X	X		
		12	X	X	X	X	X	X	X	X	X		
		14	X	X	X	X	X	X	X	X	X		
		16	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X		
		20	X	X	X	X	X	X	X	X	X		

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
24	Mill (Aluminum Construction Only)	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

XG-RHF MODEL NUMBER SPECIFICATION
FILTER RETURN GRILLE — FIXED HORIZONTAL BLADES — LAY-IN

Model		Neck												46	Module
		26	28	30	32	34	36	38	40	42	44	46			
XG-RHF-6	Aluminum		X	X	X	X	X	X	X	X	X	X	X	48 x 24	
XG-RHEF-6	Extruded Aluminum	4	X	X	X	X	X	X	X	X	X	X			
XG-SRHF-6	Steel	6	X	X	X	X	X	X	X	X	X	X			
		8	X	X	X	X	X	X	X	X	X	X			
		10	X	X	X	X	X	X	X	X	X	X			
		12	X	X	X	X	X	X	X	X	X	X			
		14	X	X	X	X	X	X	X	X	X	X			
		16	X	X	X	X	X	X	X	X	X	X			
		18	X	X	X	X	X	X	X	X	X	X			
		20	X	X	X	X	X	X	X	X	X	X			
		22											X		

Available Finishes		Available Accessories	
Standard		XG-OB	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-L9	Equalizing Grid
02	Satin Silver	XG-PF	Plaster Frame
03	Black	XG-LIPF	Lay-in Plaster Frame
24	Mill (Aluminum Construction Only)	IS	Insect Screen
28	Custom Color	XG-TR	Square to Round Transition
		XG-TR Deep	Deep Square to Round Transition

SERIES XG-RHF PERFORMANCE DATA
MODEL XG-RHF, XG-RHEF, XG-SRHF

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.009	-.020	-.036	-.056	-.081	-.110	-.143	-.181	-.223
06x06	.25	CFM	39	58	77	96	115	134	153	172	191
		NC	-	-	15	20	25	29	32	35	38
08x06	.33	CFM	53	79	106	132	159	185	212	238	265
		NC	-	-	16	21	26	30	34	37	39
10x06	.42	CFM	69	103	137	171	205	239	273	307	341
		NC	-	-	17	23	27	31	35	38	40
08x08	.44	CFM	75	112	149	186	223	260	297	334	371
		NC	-	12	18	23	28	32	36	39	41
12x06	.50	CFM	83	124	165	206	247	288	329	370	411
		NC	-	12	18	23	28	32	36	39	41
16x06 12x08	.67	CFM	115	172	229	286	343	400	457	514	571
		NC	-	12	19	25	30	34	37	40	43
10x10	.69	CFM	119	178	237	296	355	414	473	532	591
		NC	-	12	19	25	30	34	37	40	43
12x10 20x06	.83	CFM	145	217	289	361	433	505	577	649	721
		NC	-	13	20	26	31	35	38	41	44
24x06 12x12	1.00	CFM	177	265	353	441	529	617	705	793	881
		NC	-	14	21	27	32	36	39	42	45
14x14	1.36	CFM	245	367	489	611	733	855	977	1099	1221
		NC	-	15	22	28	33	37	40	43	46
18x12 36x06	1.50	CFM	271	406	541	676	811	946	1081	1216	1351
		NC	-	16	23	29	33	37	41	44	47
18x16 24x12	2.00	CFM	365	547	729	911	1093	1275	1457	1639	1821
		NC	11	17	24	30	35	39	42	45	48
18x18	2.25	CFM	415	622	829	1036	1243	1450	1657	1864	2071
		NC	11	17	25	31	35	39	43	46	48
30x12	2.50	CFM	459	688	917	1146	1375	1604	1833	2062	2291
		NC	12	18	25	31	36	40	43	46	49
20x20	2.78	CFM	515	772	1029	1286	1543	1800	2057	2314	2571
		NC	12	18	26	31	36	40	43	47	49
24x18 36x12	3.00	CFM	551	826	1101	1376	1651	1926	2201	2476	2751
		NC	13	19	26	32	36	40	44	47	50
22x22	3.36	CFM	629	943	1257	1571	1885	2199	2513	2827	3141
		NC	13	19	27	32	37	41	44	47	50
48x12 24x24	4.00	CFM	752	1127	1503	1878	2254	2630	3005	3381	3756
		NC	-	20	28	33	38	42	46	49	51

CONTINUED

SERIES XG-RHF PERFORMANCE DATA
MODEL XG-RHF, XG-RHEF, XG-SRHF

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.009	-.020	-.036	-.056	-.081	-.110	-.143	-.181	-.223
48x18 36x24	6.00	CFM	1133	1699	2265	2831	3397	3963	4529	5095	5661
		NC	11	22	29	35	40	44	47	50	53
48x24 36x32	8.00	CFM	1527	2290	3053	3816	4579	5342	6105	6868	7631
		NC	13	24	31	37	42	46	49	52	55
48x36	12.00	CFM	2315	3472	4629	5786	6943	8100	9257	10414	11571
		NC	14	25	32	38	43	47	50	53	56
48x48	16.00	CFM	3102	4653	6204	7755	9306	10857	12408	13959	15510
		NC	16	26	33	39	44	48	51	54	57

PERFORMANCE NOTES FOR SERIES XG-RHF, XG-RHEF, XG-SRHF

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (Air)

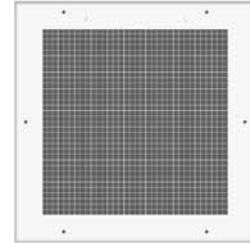
Nk Vel Neck velocity of air stream in Feet Per Minute

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.

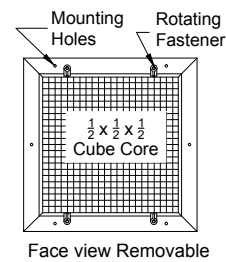
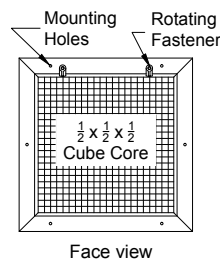
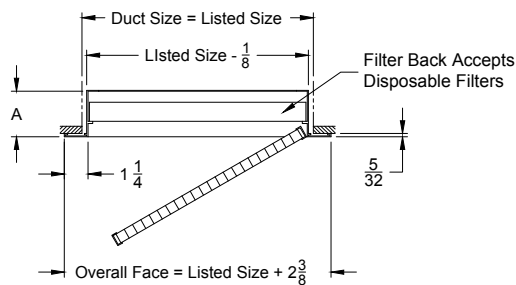
MODEL XG-CC5F



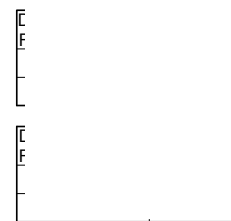
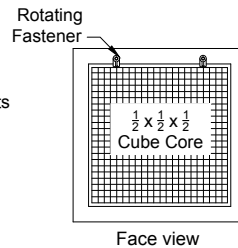
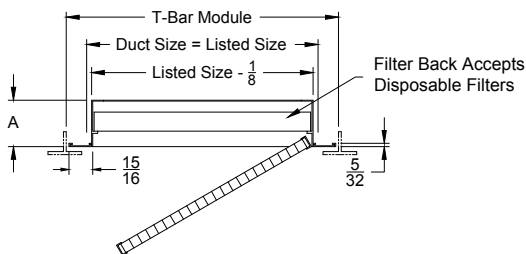
The XG-CC5F series of cubed core filter grilles is designed to provide low pressure drop and sound levels. The units are aluminum construction and have a 1/2" x 1/2" x 1/2" grid core.

- Hinged face for easy access to the filter
- Optional fully removable face
- Standard 1" filter rack
- Optional 2" filter rack

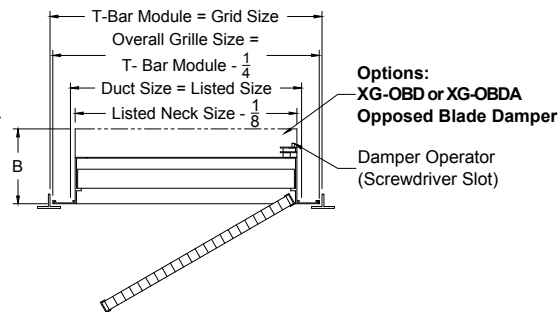
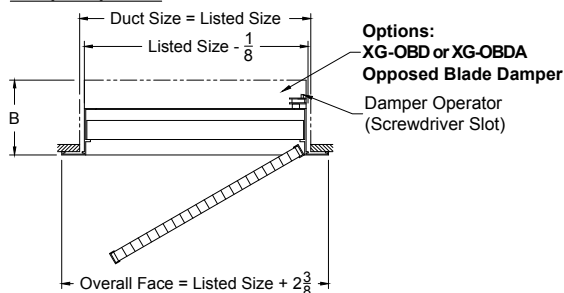
Model: XG-CC5F-1 (Return Grille - Surface Mount)



Model: XG-CC5F-6 (Return Grille - Lay in T-Bar)



Damper Options:



Disposable Filter Thickness	Dimension A
1	2 7/16
2	3 7/16

Disposable Filter Thickness	Dimension B
1	3 15/16
2	4 15/16

SERIES XG-CC5F SPECIFICATIONS**RETURN FILTER GRILLE –
CUBED CORE – ALUMINUM –
MODEL XG-CC5F**

- Air inlets shall be model XG-CC5F manufactured by Greenheck. Units shall be filter return or exhaust grilles of aluminum construction with a 1/2" x 1/2" x 1/2" cubed core. The units shall include a hinged face and integral frame designed to accept a 1" thick (optional 2" thick) filter. The grille face shall be secured in place with thumb latches. The units shall be the size and quantity as outlined in the plans and specifications. The border shall be 1 1/4" wide. The units shall be designed for surface mounting with countersunk screw holes on the face of the device or T-bar Lay-in applications.
- Optional opposed blade damper shall be constructed of steel (Model XG-OBD) or aluminum (Model XG-OBDA).
- Damper must be operable from the face of the diffuser.

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.

XG-CC5F MODEL NUMBER SPECIFICATION
CUBED CORE FILTER RETURN – ALUMINUM – 1/2" X 1/2" X 1/2"

Model		Neck										
XG-CC5F-1	Surface Mount	6	8	10	12	14	16	18	20	22	24	26
4	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X
42	X	X	X	X	X	X	X	X	X	X	X	X
44	X	X	X	X	X	X	X	X	X	X	X	X
46	X	X	X	X	X	X	X	X	X	X	X	X
48	X	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OBD	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-PF	Plaster Frame
02	Satin Silver	XG-LIPF	Lay-in Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XF-CC5F MODEL NUMBER SPECIFICATION
CUBED CORE FILTER RETURN – ALUMINUM – 1/2" X 1/2" X 1/2"

Model		Neck											
XG-CC5F-1	Surface Mount		28	30	32	34	36	38	40	42	44	46	48
4	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X	X
38	X	X	X	X	X	X	X	X	X	X	X	X	X
40	X	X	X	X	X	X	X	X	X	X	X	X	X
42	X	X	X	X	X	X	X	X	X	X	X	X	X
44	X	X	X	X	X	X	X	X	X	X	X	X	X
46	X	X	X	X	X	X	X	X	X	X	X	X	X
48	X	X	X	X	X	X	X	X	X	X	X	X	X

Available Finishes		Available Accessories	
Standard		XG-OBD	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-PF	Plaster Frame
02	Satin Silver	XG-LIPF	Lay-in Plaster Frame
03	Black	IS	Insect Screen
24	Mill	XG-TR	Square to Round Transition
28	Custom Color	XG-TR Deep	Deep Square to Round Transition

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

XG-CC5F MODEL NUMBER SPECIFICATION
CUBED CORE FILTER RETURN – ALUMINUM – 1/2" X 1/2" X 1/2"

Model		Neck										Module
XG-CC5F-6	T-bar Lay-in	6	8	10	12	14	16	18	20	22	24	
4	X	X										12 x 12
6	X	X										
8	X	X										
10			X									24 x 12
4	X	X	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X	X	X			
8	X	X	X	X	X	X	X	X	X			
10										X		24 x 24
4	X	X	X	X	X	X	X	X	X			
6	X	X	X	X	X	X	X	X	X			
8	X	X	X	X	X	X	X	X	X			
10	X	X	X	X	X	X	X	X	X			
12	X	X	X	X	X	X	X	X	X			
14	X	X	X	X	X	X	X	X	X			
16	X	X	X	X	X	X	X	X	X			
18	X	X	X	X	X	X	X	X	X			
20	X	X	X	X	X	X	X	X	X			
22										X		
4	X	X	X	X	X	X	X	X	X	X	X	48 x 24
6	X	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	X	
10	X	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OBD	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-TBPF	T-bar Plaster Frame
02	Satin Silver	IS	Insect Screen
03	Black	XG-TR	Square to Round Transition
24	Mill	XG-TR Deep	Deep Square to Round Transition
28	Custom Color		

XG-CC5F MODEL NUMBER SPECIFICATION
CUBED CORE FILTER RETURN – ALUMINUM – 1/2" X 1/2" X 1/2"

Model		Neck										Module
XG-CC5F-6	T-bar Lay-in	6	8	10	12	14	16	18	20	22	24	
4	X	X	X	X	X	X	X	X	X	X	X	48 x 48
6	X	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	X	
10	X	X	X	X	X	X	X	X	X	X	X	
12	X	X	X	X	X	X	X	X	X	X	X	
14	X	X	X	X	X	X	X	X	X	X	X	
16	X	X	X	X	X	X	X	X	X	X	X	
18	X	X	X	X	X	X	X	X	X	X	X	
20	X	X	X	X	X	X	X	X	X	X	X	
22	X	X	X	X	X	X	X	X	X	X	X	
24	X	X	X	X	X	X	X	X	X	X	X	
26	X	X	X	X	X	X	X	X	X	X	X	
28	X	X	X	X	X	X	X	X	X	X	X	
30	X	X	X	X	X	X	X	X	X	X	X	
32	X	X	X	X	X	X	X	X	X	X	X	
34	X	X	X	X	X	X	X	X	X	X	X	
36	X	X	X	X	X	X	X	X	X	X	X	
38	X	X	X	X	X	X	X	X	X	X	X	
40	X	X	X	X	X	X	X	X	X	X	X	
42	X	X	X	X	X	X	X	X	X	X	X	
44	X	X	X	X	X	X	X	X	X	X	X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-TBPF	T-bar Plaster Frame
02	Satin Silver	IS	Insect Screen
03	Black	XG-TR	Square to Round Transition
24	Mill	XG-TR Deep	Deep Square to Round Transition
28	Custom Color		

XG-CC5F MODEL NUMBER SPECIFICATION
CUBED CORE FILTER RETURN – ALUMINUM – 1/2" X 1/2" X 1/2"

Model		Neck											Module
XG-CC5F-6	T-bar Lay-in	26	28	30	32	34	36	38	40	42	44	46	
4	X	X	X	X	X	X	X	X	X	X	X	48 x 24	
6	X	X	X	X	X	X	X	X	X	X	X		
8	X	X	X	X	X	X	X	X	X	X	X		
10	X	X	X	X	X	X	X	X	X	X	X		
12	X	X	X	X	X	X	X	X	X	X	X		
14	X	X	X	X	X	X	X	X	X	X	X		
16	X	X	X	X	X	X	X	X	X	X	X		
18	X	X	X	X	X	X	X	X	X	X	X		
20	X	X	X	X	X	X	X	X	X	X	X		
22													X
4	X	X	X	X	X	X	X	X	X	X	X	48 x 48	
6	X	X	X	X	X	X	X	X	X	X	X		
8	X	X	X	X	X	X	X	X	X	X	X		
10	X	X	X	X	X	X	X	X	X	X	X		
12	X	X	X	X	X	X	X	X	X	X	X		
14	X	X	X	X	X	X	X	X	X	X	X		
16	X	X	X	X	X	X	X	X	X	X	X		
18	X	X	X	X	X	X	X	X	X	X	X		
20	X	X	X	X	X	X	X	X	X	X	X		
22	X	X	X	X	X	X	X	X	X	X	X		
24	X	X	X	X	X	X	X	X	X	X	X		
26	X	X	X	X	X	X	X	X	X	X	X		
28	X	X	X	X	X	X	X	X	X	X	X		
30	X	X	X	X	X	X	X	X	X	X	X		
32	X	X	X	X	X	X	X	X	X	X	X		
34	X	X	X	X	X	X	X	X	X	X	X		
36	X	X	X	X	X	X	X	X	X	X	X		
38	X	X	X	X	X	X	X	X	X	X	X		
40	X	X	X	X	X	X	X	X	X	X	X		
42	X	X	X	X	X	X	X	X	X	X	X		
44	X	X	X	X	X	X	X	X	X	X	X		
46												X	

Available Finishes		Available Accessories	
Standard		XG-OBDA	Steel Opposed Blade Damper
01	White	XG-OBDA	Aluminum Opposed Blade Damper
Optional		XG-TBPF	T-bar Plaster Frame
02	Satin Silver	IS	Insect Screen
03	Black	XG-TR	Square to Round Transition
24	Mill	XG-TR Deep	Deep Square to Round Transition
28	Custom Color		

SERIES XG-CC5F PERFORMANCE DATA
MODEL XG-CC5F

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.006	-.013	-.024	-.037	-.054	-.073	-.095	-.120	-.149
06x06	.25	CFM	46	69	92	115	138	161	184	207	230
		NC	-	-	-	-	-	14	18	22	26
08x06	.33	CFM	61	92	122	152	183	213	243	274	304
		NC	-	-	-	-	-	15	19	23	27
10x06	.42	CFM	77	115	154	192	230	268	307	345	383
		NC	-	-	-	-	11	16	20	24	28
08x08	.44	CFM	83	125	166	204	249	291	332	374	415
		NC	-	-	-	-	11	16	21	25	28
12x06	.50	CFM	92	139	185	232	279	325	372	418	465
		NC	-	-	-	-	12	17	21	25	29
16x06 12x08	.67	CFM	126	189	253	317	378	442	506	570	630
		NC	-	-	-	-	13	18	22	26	30
10x10	.69	CFM	131	196	261	327	392	457	522	588	653
		NC	-	-	-	-	13	18	22	26	30
12x10 20x06	.83	CFM	157	235	313	391	469	547	625	703	781
		NC	-	-	-	-	13	18	23	26	30
24x06 12x12	1.00	CFM	191	287	382	478	573	669	764	860	955
		NC	-	-	-	-	14	19	24	28	31
14x14	1.36	CFM	260	390	520	650	780	910	1040	1169	1299
		NC	-	-	-	-	15	20	25	29	32
18x12 36x06	1.50	CFM	287	430	573	717	860	1003	1146	1290	1433
		NC	-	-	-	-	16	21	25	29	33
18x16 24x12	2.00	CFM	382	573	764	955	1146	1337	1528	1719	1910
		NC	-	-	-	11	17	22	26	30	33
18x18	2.25	CFM	430	645	860	1075	1290	1505	1719	1934	2149
		NC	-	-	-	11	17	22	26	30	34
30x12	2.50	CFM	478	717	955	1194	1433	1672	1910	2149	2388
		NC	-	-	-	11	17	23	27	31	34
20x20	2.78	CFM	531	797	1062	1328	1593	1859	2124	2390	2655
		NC	-	-	-	12	18	23	27	31	35
24x18 36x12	3.00	CFM	573	860	1146	1433	1719	2006	2292	2579	2865
		NC	-	-	-	12	18	23	28	32	35
22x22	3.36	CFM	642	963	1284	1605	1926	2247	2568	2888	3209
		NC	-	-	-	12	18	23	28	32	35
48x12 24x24	4.00	CFM	768	1152	1536	1920	2304	2688	3072	3456	3840
		NC	-	-	-	13	19	24	29	33	36
48x18 36x24	6.00	CFM	1152	1728	2304	2880	3456	4032	4608	5184	5760
		NC	-	-	-	15	21	26	30	34	38

CONTINUED

SERIES XG-CC5F PERFORMANCE DATA
MODEL XG-CC5F

Size	Duct Area ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.006	-.013	-.024	-.037	-.054	-.073	-.095	-.120	-.149
48x24 36x32	8.00	CFM	1536	2304	3072	3840	4608	5376	6144	6912	7680
		NC	-	-	-	16	22	27	31	35	39
48x36	12.00	CFM	2304	3456	4608	5760	6912	8064	9216	10368	11520
		NC	-	-	11	17	23	28	33	37	40
48x48	16.00	CFM	3072	4608	6144	7680	9216	10752	12288	13824	15360
		NC	-	-	12	18	24	29	34	38	41

PERFORMANCE NOTES FOR SERIES XG-CC5F

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (Air)

Velocity Neck Velocity of air stream in Feet Per Minute

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

NC Noise criterion, Sound pressure level. NC ratings are based on sound power level (L_w)

RE: 10^{-12} watts minus a 10dB room attenuation in all octave bands.

GRILLES AND REGISTERS ACCESSORIES



XG-L9
Square / Rectangular Equalizing Grid

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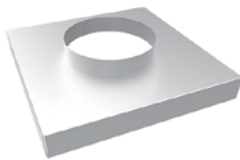
XG-OBDA
Aluminum Opposed Blade Damper

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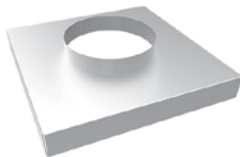
XG-OBD
Steel Opposed Blade Damper

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XG-TR
Square to Round Transition

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XG-TR Deep
Deep Square to Round Transitions

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XG-PF
Plaster Frame

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XG-TBPF
T-bar Plaster Frames permit installation

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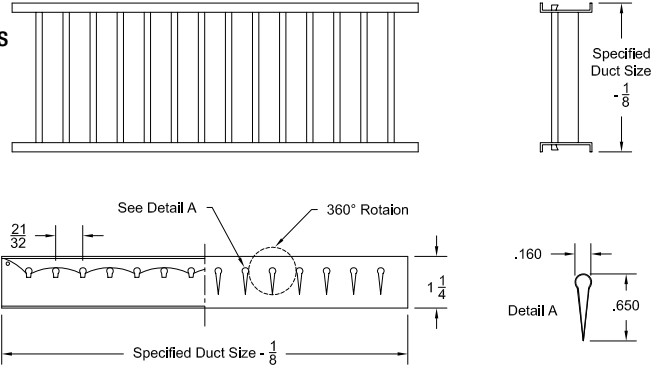
XG-LIPF
Lay-in Plaster Frame

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MODEL XG-L9

Model XG-L9 – Square/Rectangular Equalizing Grid

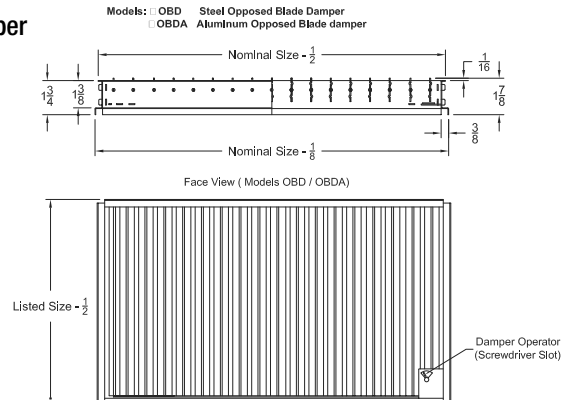
- Designed to provide uniform airflow in branch ducts
- Pre-tensioned blades adjust individually
- Aluminum construction



MODEL XG-OBDA/XG-OBD

Model XG-OBDA/XG-OBD square/rectangular opposed blade damper

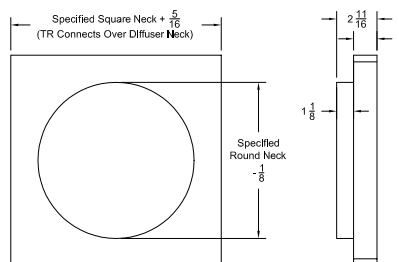
- Tapered blades set in a U-channel frame
- Opposed blades on 1" centers
- Screwdriver slot operator
- Aluminum construction, XG-OBDA
- Steel construction, XG-OBD



MODEL XG-TR/XG-TR DEEP

Model XG-TR/XG-TR Deep Square to Round Transitions

- Available for all ducted supply and return diffusers
- Provide economical means of adapting square neck diffusers to round neck connections
- XG-TR Deep transitions provide additional depth to accommodate some dampers

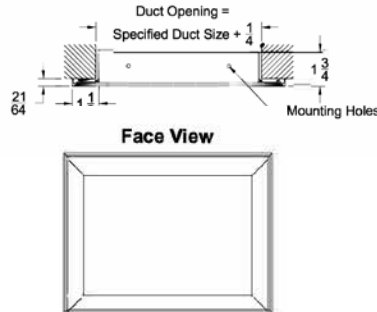


Available Size	
Square Neck Size	Round Neck Size
6 x 6	4, 5 & 6
8 x 8	5, 6, 7 & 8
9 x 9	5, 6, 7, 8 & 9
10 x 10	5, 6, 7, 8, 9 & 10
12 x 12	5, 6, 7, 8, 9, 10, 11 & 12
14 x 14	5, 6, 7, 8, 9, 10, 11, 12 & 14
15 x 15	5, 6, 7, 8, 9, 10, 11, 12, 14 & 15
16 x 16	5, 6, 7, 8, 9, 10, 11, 12, 14, 15 & 16
18 x 18	5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 & 18
22 x 22	5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 18, 20 & 22

MODEL XG-PF

Model: XG-PF (Extruded Aluminum - Side wall Mounted Plaster Frame)

Model XG-PF sidewall mounted plaster frame provides a uniform opening in sidewall to accommodate grilles and registers

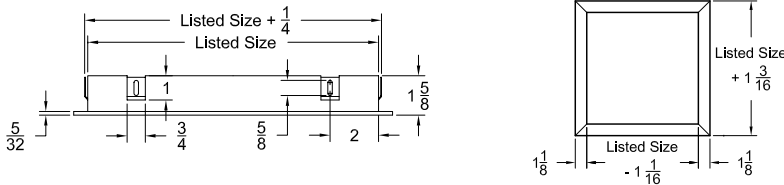


MODEL XG-TBPF

Model XG-TBPF T-bar Plaster Frames permit installation of T-bar frame style ceiling diffusers into plaster frame or gypsum ceilings, and are available in standard T-bar sizes.

- Converts T-bar frame to Surface Mount
- Available in aluminum, XG-TBPF, or steel, XG-STBPF, construction

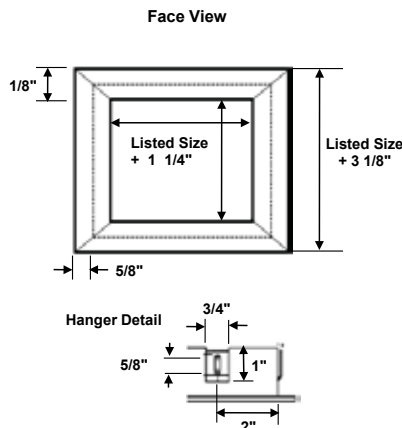
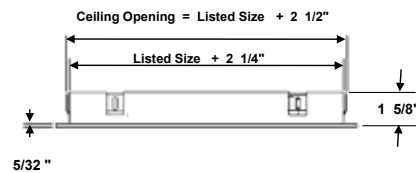
Available Sizes (XG-TBPF & XG-STBPF Models)	
Nominal	Overall
12 x 12	13 3/16 x 13 3/16
24 x 12	25 3/16 x 13 3/16
24 x 24	25 3/16 x 25 3/16
36 x 24	37 3/16 x 25 3/16
36 x 36	37 3/16 x 37 3/16
48 x 24	49 3/16 x 25 3/16
48 x 48	49 3/16 x 49 3/16
13 x 13	14 3/16 x 14 3/16



MODEL XG-LIPF

Model XG-LIPF permits installation of a grille or register into a plaster or gypsum ceiling type.

LIPF Lay-In Aluminum Plaster Frame (Used with -1 Units)
SLIPF Lay-In Steel Plaster Frame (Used with -1 Units)



XG-LIPF / XG-SLIPF Model List			
XG-4002-1	XG-42F-1	XG-CC5S-1	XG-RPF-1
XG-4002R-1	XG-4500-1	XG-L Series	XG-SRH-1
XG-4002RS-1	XG-4538-1	XG-RH-1	XG-SRHF-1
XG-4002S-1	XG-CC1-1	XG-RHE-1	XG-SRP-1
XG-4004-1	XG-CC15-1	XG-RHEF-1	XG-SRPF-1
XG-4004S-1	XG-CC5-1	XG-RHF-1	XG-V Series
XG-41F-1	XG-CC5F-1	XG-RP-1	

CEILING DIFFUSERS

The Greenheck line of ceiling diffusers is designed for flexibility in application. This series covers a full range of ceiling diffusers which include square face cone, louvered face, concentric supply/return, modular, perforated, round and VAV diffusers.



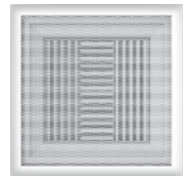
Square face cone diffusers are the most popular and efficient of the ceiling diffusers. The square cone diffuser provides a true 360° radial horizontal air flow pattern.

PAGE 103



Louvered face diffusers provide an aesthetically pleasing solution for applications requiring large volumes of air at low sound levels and low pressure drops. These units are available in 1, 2, 3 and 4-way air pattern variations that are virtually limitless due to the unique assembly of these diffusers.

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Perforated ceiling diffusers are designed to provide a smooth, even appearance that blends into the ceiling. Perforated supply diffusers are available with adjustable pattern controllers on either the face or neck or modular cores which provide an excellent air pattern.

PAGE 138



Ceiling diffuser accessories are primarily designed to improve the overall air handling performance of the system. Proper application of duct and outlet accessories aide in the control of the air distribution system.

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SQUARE CEILING DIFFUSERS

MODELS XG-5700 / XG-5700A



MODELS XG-5800 / XG-5800A



MODEL XG-5750



Models XG-5700 / XG-5700A 2 Cone diffusers are designed to efficiently handle cooling temperature differentials of 18-20°F at ceiling heights of 8' to 10'. The round neck to square face design provides a uniform 360° fixed horizontal air diffusion pattern. For applications requiring a vertical air flow, the XG-5700A adjustable model employs movable air deflecting vanes which will provide vertical downward airflow.

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Models XG-5800 / XG-5800A 3 Cone diffusers are designed to efficiently handle cooling temperature differentials of 18-20°F at ceiling heights of 8' to 10'. The round neck to square face design provides a uniform 360° fixed horizontal air diffusion pattern. For applications requiring a vertical air flow, the XG-5800A adjustable model employs movable air deflecting vanes which will provide vertical downward airflow.

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Model XG-5750 offers the architect the often preferred appearance of a single air diffusion panel. The diffuser is designed to efficiently handle cooling temperature differentials of 18-20°F at ceiling heights of 8' to 10'.

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MODEL XG-5700

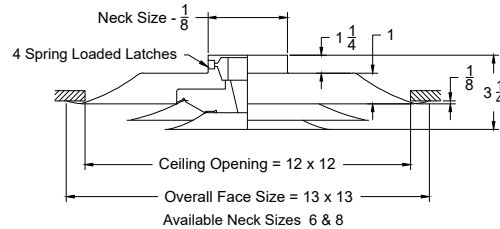
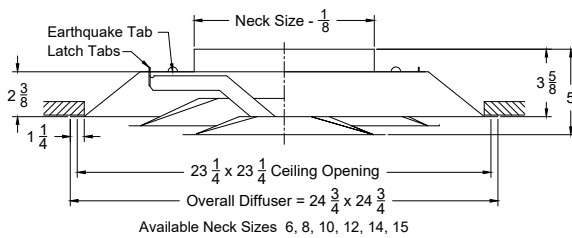


Model XG-5700 diffuser is an excellent choice for applications requiring equal throw in all directions. It provides a tight horizontal 360° discharge pattern for superior induction and occupant comfort. The XG-5700 is fitted with a quick-release 2 cone inner assembly for immediate access to the damper and ease of installation.

- Available in aluminum, aluminized steel and steel construction
- One piece die formed cones provide a smooth, aerodynamically designed surface with no corner joints
- Can be converted in the field to 3 cone diffuser with the addition of the optional snap-58
- Available in metric 600mm x 600mm Lay-in
- Available in adjustable horizontal to vertical discharge — Model XG-5700A
- Easily removable cores with no tools required

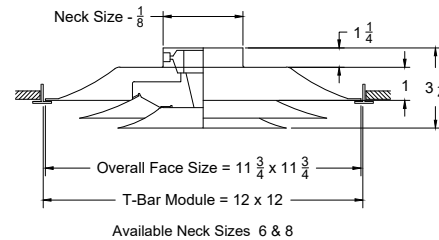
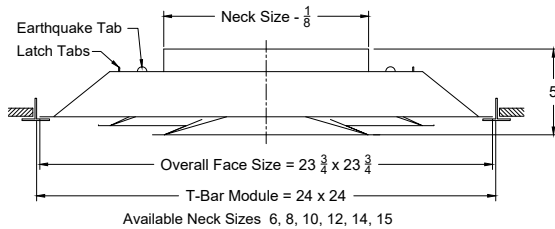
Models: XG-5700-1 (Steel - Surface Mount - 24 x 24)
XG-5700-1 AS (Aluminized Steel)
(Surface Mount - 24 x 24)
XG-5700-1 AL (Aluminum - Surface Mount - 24 x 24)

Models: XG-5700-1 (Steel - Surface Mount - 12 x 12)
XG-5700-1 AS (Aluminized Steel)
(Surface Mount - 12 x 12)
XG-5700-1 AL (Aluminum - Surface Mount - 12 x 12)

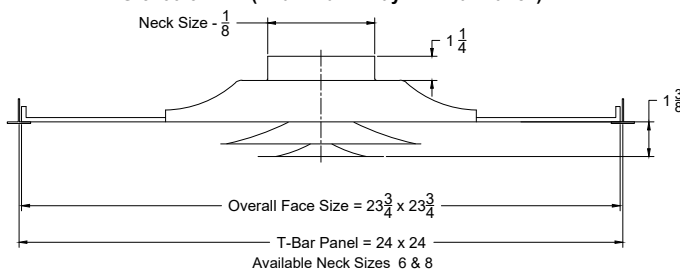


Models: XG-5700-6 (Steel - Lay in T-Bar - 24 x 24)
XG-5700-6 AS (Aluminized Steel)
(Lay in T-Bar - 24 x 24)
XG-5700-6 AL (Aluminum - Lay in T-Bar - 24 x 24)

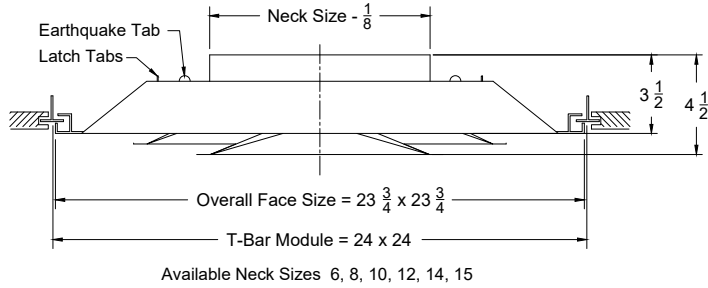
Models: XG-5700-6 (Steel - Lay in T-Bar - 12 x 12)
XG-5700-6 AS (Aluminized Steel)
(Lay in T-Bar - 12 x 12)
XG-5700-6 AL (Aluminum - Lay in T-Bar - 12 x 12)



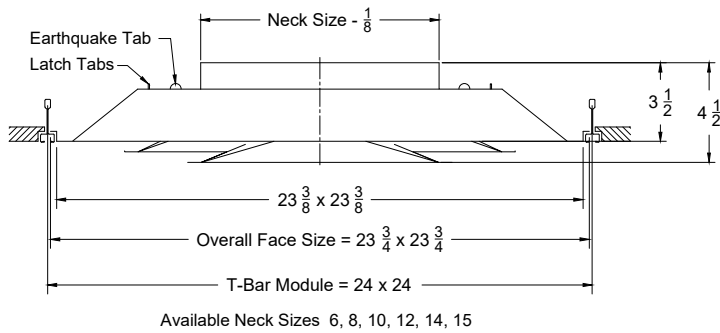
Model: XG-5700-6P (Steel - Lay in T-Bar Panel)
XG-5700-6P AL (Aluminum - Lay in T-Bar Panel)



Models: XG-5700-7 (Steel - Lay in T-Bar - 24 x 24)
XG-5700-7 AS (Aluminized Steel - Lay in T-Bar - 24 x 24)



Models: XG-5700-9 (Steel - Lay in T-Bar - 24 x 24)
XG-5700-9 AS (Aluminized Steel - Lay in T-Bar - 24 x 24)
XG-5700-9 AL (Aluminum - Lay in T-Bar - 24 x 24)



SERIES XG-5700 SPECIFICATIONS

Air Diffusers shall be model:

XG-5700-1	Surface Mount
XG-5700-6	T-bar Lay-in
XG-5700-7	Concealed Spline
XG-5700-9	Donn Finline Lay-in

Non-Adjustable, Horizontal Discharge Pattern

- XG-5700 manufactured by Greenheck. Units shall be constructed of steel.
- XG-5700 AS manufactured by Greenheck. Units shall be constructed of aluminized steel.
- XG-5700 AL manufactured by Greenheck. Units shall be constructed of aluminum.

Adjustable Discharge Pattern

- XG-5700A manufactured by Greenheck. Units shall be constructed of steel.
- XG-5700A AS manufactured by Greenheck. Units shall be constructed of aluminized steel.
- XG-5700A AL manufactured by Greenheck. Units shall be constructed of aluminum.
- Units shall be square with a formed backpan and two inner cones. Diffuser shall have the same appearance from the face regardless of inlet size. The units shall be the size and quantity as outlined in the plans and specifications.
- Inlets shall be drawn into the backpan of the diffuser. Welded inlets are not acceptable. Diffusers shall include seismic tabs drawn into the backpan. Inner cone assemble shall be removable without the aid of tools for installation and to access optional damper. Units requiring tools such as screwdrivers or hex keys to remove the inner cones are not acceptable.
- The bottom cone shall have a removable plug in the center to allow access to adjust an optional damper. Units shall include the option to allow a field-installed third optional cone accessory model XG-SNAP-58. Optional third cone shall be installed into the bottom of the XG-5700 diffuser without the use of tools.
- Units shall be designed to integrate into the specified ceiling system.

Optional for Adjustable Pattern

- Diffuser shall include adjustable deflector blades located within the cones of the device. Deflectors shall allow the discharge air to be adjusted to obtain a vertical or horizontal air pattern.

Optional Dampers and Accessories

BUTTERFLY DAMPER

- Greenheck model XG-BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot that can be accessed through the face of the diffuser.

RADIAL SHUTTER DAMPER

- Greenheck model XG-RSD steel round radial shutter damper shall be provided. Damper shall consist of gang operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot that can be accessed through the face of the diffuser.

EQUALIZING GRID

- Greenheck model XG-G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.

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.

XG-5700 MODEL NUMBER SPECIFICATION SQUARE FACE DIFFUSER — 2 CONE

Model		Available Neck	Module	Available Finishes	
XG-5700-1	Surface Mount - Steel	6	12 x 12	<i>Standard</i>	
XG-5700-1 AS	Surface Mount - Aluminized Steel	8		01	White
XG-5700-1 AL	Surface Mount - Aluminum	6	24 x 24	<i>Optional</i>	
XG-5700A-1	Adj. Surface Mount - Steel	8		02	Satin Silver
XG-5700A-1 AS	Adj. Surface Mount - Aluminized Steel	10		03	Black
		12		28	Custom Color
		14		<i>Available Accessories</i>	
		15		XG-G3	Equalizing Grid
			XG-BDS	Butterfly Damper	
			XG-RSD	Radial Damper	
			XG-BAF-1	3-Way Directional Baffle	
			XG-BAF-2	2-Way Directional Baffle	
			XG-BAF-3	1-Way Directional Baffle	
			XG-XG-SNAP-58	XG-5700 to XG-5800 Conversion Cone	
			XG-LIPF	Lay-in Plaster Frame	

SERIES XG-5700 NUMBER SPECIFICATION
SQUARE FACE DIFFUSER — 2 CONE

CEILING
DIFFUSERS

SQUARE CEILING DIFFUSERS

XG-5700

Model		Neck Size	Module	Available Finishes	
XG-5700-6	T-bar Lay-in - Steel	6	12 x 12	Standard Finish	
XG-5700-6 AS	T-bar Lay-in - Aluminized Steel	8		01	White
XG-5700-6	T-bar Lay-in - Steel	6	24 x 24	Optional Finishes	
XG-5700-6 AS	T-bar Lay-in - Aluminized Steel	8		02	Satin Silver
XG-5700-6 AL	T-bar Lay-in - Aluminum	10		03	Black
XG-5700A-6	Adj. T-bar Lay-in - Steel	12		28	Custom Color
XG-5700A-6 AS	Adj. T-bar Lay-in - Aluminized Steel	14			
XG-5700-7	Concealed Spline - Steel	15			
XG-5700-7 AS	Concealed Spline - Aluminized Steel				
XG-5700A-7	Concealed Spline Adj. - Steel				
XG-5700A-7 AS	Concealed Spline Adj. - Aluminized Steel				
XG-5700-9	Donn Fineline / Bolt Slot - Steel				
XG-5700-9 AS	Donn Fineline / Bolt Slot - Aluminized Steel				

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BAF-1	3-Way Directional BAFfle
XG-BAF-2	2-Way Directional BAFfle
XG-BAF-3	1-Way Directional-BAFfle
XG-SNAP-58	XG-5700 to XG-5800 Conversion Cone
XG-FGBP	Factory Installed R6 Insulation
XG-TBPF	T-Bar Plaster Frame (-6 Only)

Model		Neck Size	Module	Available Finishes	
XG-M5700-6	Metric T-bar Lay-in - Steel	6	600mm x 600mm	Standard Finish	
XG-M5700-6 AS	Metric T-bar Lay-in - Aluminized Steel	8		01	White
XG-M5700-6 AL	Metric T-bar Lay-in - Aluminum	10		Optional Finishes	
		12		02	Satin Silver
		14		03	Black
		15		28	Custom Color

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BAF-1	3-Way Directional BAFfle
XG-BAF-2	2-Way Directional BAFfle
XG-BAF-3	1-Way Directional BAFfle
XG-SNAP-58	XG-5700 to XG-5800 Conversion Cone
XG-TBPF	T-Bar Plaster Frame

SERIES XG-5700 PERFORMANCE DATA
MODEL XG-5700/XG-5700A

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	2000
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
12 x 12	6	CFM	80	100	120	135	155	175	195	235	275	395
		Ps	0.021	.033	.048	.061	.080	.102	.127	.184	.253	.521
		Pt	0.031	.049	.071	.091	.120	.153	.189	.274	.375	.770
		Throw*	2-3-6	3-4-7	3-5-7	3-5-8	4-6-8	4-6-9	5-7-9	6-7-10	6-8-11	8-9-13
		Throw	3-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-6-9	5-7-9	6-7-10	6-8-11	8-10-13
		NC	-	<15	18	20	23	26	28	33	36	44
	8	CFM	140	175	210	245	280	315	350	420	490	700
		Ps	.029	.046	.066	.090	.118	.149	.184	.265	.360	.735
		Pt	.039	.062	.089	.121	.158	.199	.246	.354	.482	.984
		Throw*	3-4-8	3-5-9	4-6-10	5-7-11	5-8-11	6-8-12	7-9-13	8-10-14	9-11-15	10-13-18
		Throw	3-5-8	4-6-9	5-7-10	6-7-11	7-8-11	7-8-12	7-9-13	8-10-14	9-11-15	10-13-18
		NC	-	<15	19	22	25	28	31	36	40	46
24 x 24	6	CFM	80	100	120	135	155	175	195	235	275	395
		Ps	.014	.021	.031	.039	.051	.065	.081	.118	.161	.332
		Pt	.024	.037	.053	.069	.091	.116	.143	.207	.283	.582
		Throw*	2-2-5	2-3-5	2-4-6	3-4-6	3-4-6	4-5-7	4-5-7	5-6-8	5-6-8	6-7-10
		Throw	2-4-7	3-5-8	4-6-9	4-6-10	5-7-10	5-8-11	6-8-12	7-9-13	8-10-14	10-12-17
		NC	-	-	-	-	<15	16	18	23	27	43
	8	CFM	140	175	210	245	280	315	350	420	490	700
		Ps	.016	.025	.036	.048	.063	.080	.099	.142	.194	.395
		Pt	.026	.040	.058	.079	.103	.131	.161	.232	.316	.645
		Throw*	2-3-6	3-4-7	3-5-7	4-6-8	4-6-9	5-6-9	5-7-10	6-7-10	7-8-11	8-10-13
		Throw	3-5-10	4-6-11	5-7-12	6-9-13	6-10-14	7-10-15	8-11-16	10-12-17	11-13-18	13-16-22
		NC	-	-	-	-	<15	18	21	26	30	55

**CEILING
DIFFUSERS**
SQUARE CEILING DIFFUSERS
XG-5700

SERIES XG-5700 PERFORMANCE DATA
MODEL XG-5700/XG-5700A

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	2000
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
24 x 24	10	CFM	220	275	325	380	435	490	545	655	765	1090
		Ps	.019	.030	.042	.057	.075	.096	.118	.171	.233	.473
		Pt	.029	.046	.064	.088	.115	.146	.181	.261	.355	.722
		Throw*	3-4-8	3-5-8	4-6-9	5-7-10	5-8-11	6-8-11	7-8-12	8-9-13	8-10-14	10-12-17
		Throw	4-6-12	5-8-14	6-9-15	7-11-16	8-12-17	9-13-18	10-14-19	12-15-21	13-16-23	16-19-28
		NC	-	-	-	<15	16	20	24	30	35	63
	12	CFM	315	395	470	550	630	705	785	940	1100	1570
		Ps	.021	.033	.046	.063	.083	.104	.129	.185	.253	.515
		Pt	.031	.048	.069	.094	.123	.154	.191	.274	.375	.765
		Throw*	3-5-9	4-6-10	5-7-11	6-8-12	7-9-13	7-10-14	8-10-14	9-11-16	10-12-17	12-14-20
		Throw	5-7-15	6-9-17	7-11-18	8-13-20	10-15-21	11-16-22	12-17-23	14-18-26	16-20-28	19-23-33
		NC	-	-	-	<15	19	23	27	33	39	68
	14	CFM	430	535	640	750	855	960	1070	1285	1495	2140
		Ps	.026	.041	.058	.080	.104	.131	.163	.234	.377	.650
		Pt	.036	.056	.081	.110	.144	.181	.225	.324	.440	.900
		Throw*	4-6-11	5-7-12	6-9-13	7-10-14	8-11-15	9-11-16	10-12-17	11-13-18	11-14-20	14-17-24
		Throw	6-9-17	7-11-19	8-13-21	10-15-23	11-17-24	13-18-26	14-19-27	17-21-30	19-23-32	22-27-39
		NC	-	*	<15	<15	18	23	28	35	40	57
	15	CFM	490	615	735	860	980	1105	1225	1475	1720	2455
		Ps	.032	.051	.072	.099	.129	.164	.201	.292	.396	.808
		Pt	.042	.066	.095	.130	.169	.214	.263	.381	.519	1.057
		Throw*	4-6-11	5-8-13	6-9-14	7-11-15	8-11-16	9-12-17	10-13-18	11-14-20	12-15-21	15-18-25
		Throw	6-9-18	8-11-21	9-14-23	11-16-24	12-18-26	14-20-28	15-21-29	18-23-32	20-24-35	24-29-41
		NC	-	-	<15	16	22	27	31	39	46	68

PERFORMANCE NOTES FOR SERIES XG-5700

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

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

Throw* Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

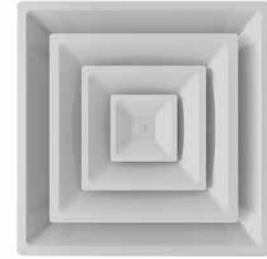
Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

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

Vn Neck Velocity

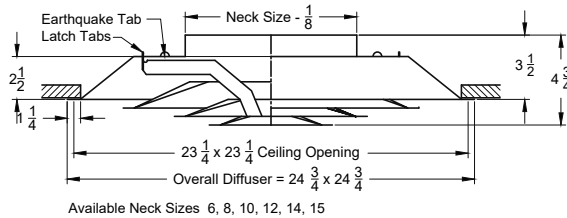
MODEL XG-5800

Model XG-5800 diffuser is an excellent choice for applications requiring equal throw in all directions. The tight horizontal 360° discharge pattern for superior induction and occupant comfort. The XG-5800 is fitted with a quick-release 3-cone inner assembly for immediate access to the damper and ease of installation.

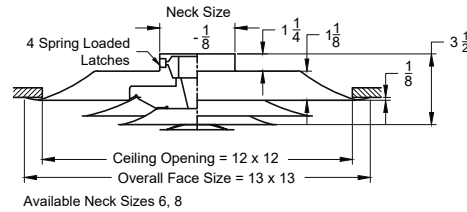


- Available in aluminum, aluminized steel and steel construction
- One piece die-formed cones provide a smooth, aerodynamically designed surface with no corner joints
- Available in metric 600mm x 600mm Lay-in
- Available in adjustable horizontal to vertical discharge – Model XG-5800A
- Easily removable cores with no tools required.

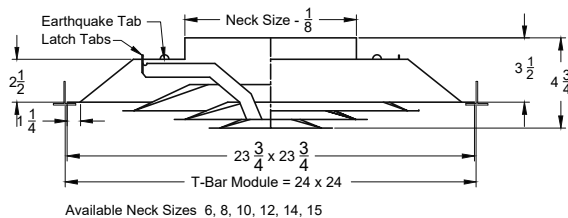
Models: XG-5800-1 (Steel - Surface Mount - 24 x 24)
 XG-5800-1 AS (Aluminized Steel - Surface Mount - 24 x 24)
 XG-5800-1 AL (Aluminum - Surface Mount - 24 x 24)



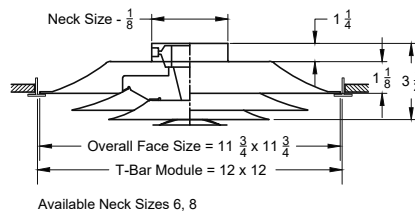
Models: XG-5800-1 (Steel - Surface Mount - 12 x 12)
 XG-5800-1 AS (Aluminized Steel - Surface Mount - 12 x 12)
 XG-5800-1 AL (Aluminum - Surface Mount - 12 x 12)



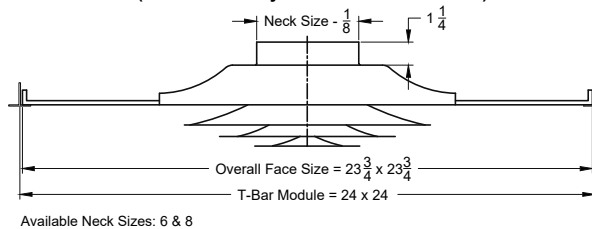
Models: XG-5800-6 (Steel - Lay in T-Bar - 24 x 24)
 XG-5800-6 AS (Aluminized Steel - Lay in T-Bar - 24 x 24)
 XG-5800-6 AL (Aluminum - Lay in T-Bar - 24 x 24)



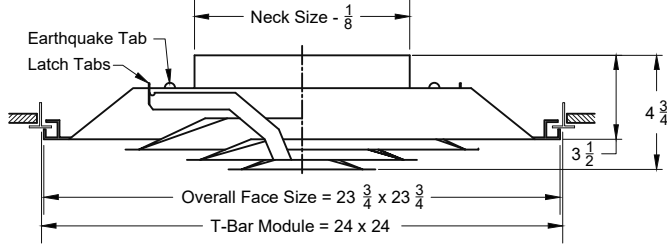
Models: XG-5800-6 (Steel - Lay in T-Bar - 12 x 12)
 XG-5800-6 AS (Aluminized Steel - Lay in T-Bar - 12 x 12)
 XG-5800-6 AL (Aluminum - Lay in T-Bar - 12 x 12)



Models: XG-5800-6P (Steel - Lay in T-Bar Panel - 24 x 24) 6" or 8" Inlets Only
 XG-5800-6P AL (Aluminum - Lay in T-Bar Panel - 24 x 24) 6" or 8" Inlets Only

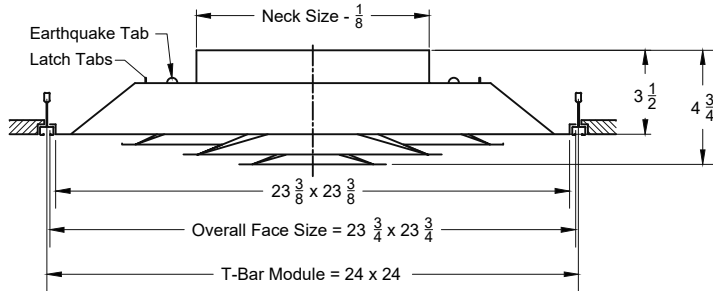


Models: XG-5800-7 (Steel - Lay in T-Bar - 24 x 24)
XG-5800-7 AS (Aluminized Steel - Lay in T-Bar - 24 x 24)



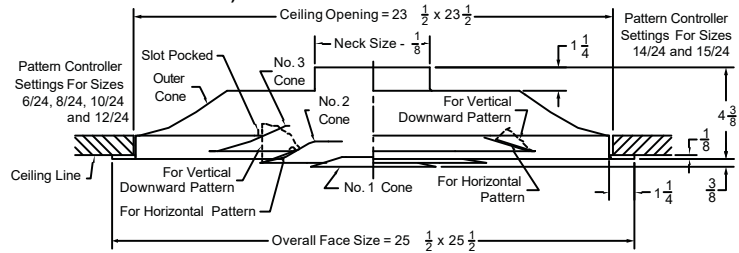
Available Neck Sizes 6, 8, 10, 12, 14, 15

Models: XG-5800-9 (Steel - Lay in T-Bar - 24 x 24)
XG-5800-9 AS (Aluminized Steel - Lay in T-Bar - 24 x 24)
XG-5800-9 AL (Aluminum - Lay in T-Bar - 24 x 24)

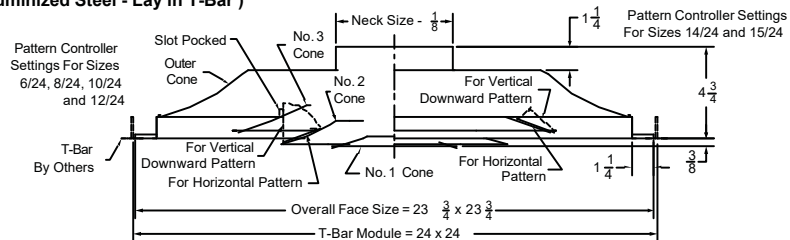


Available Neck Sizes 6, 8, 10, 12, 14, 15

Models: XG-5800A-1 (Steel - Surface Mount)
XG-5800A-1 AS (Aluminized Steel - Surface Mount)



Models: XG-5800A-6 (Steel - Lay in T-Bar)
XG-5800A-6 AS (Aluminized Steel - Lay in T-Bar)



SERIES XG-5800 SPECIFICATIONS

Air Diffusers shall be model:

XG-5800-1	Surface Mount
XG-5800-6	T-bar Lay-in
XG-5800-7	Concealed Spline
XG-5800-9	Donn Finline Lay-in

Non-Adjustable, Horizontal Discharge Pattern

- XG-5800 manufactured by Greenheck. Units shall be constructed of steel.
- XG-5800 AS manufactured by Greenheck. Units shall be constructed of aluminized steel.
- XG-5800 AL manufactured by Greenheck. Units shall be constructed of aluminum.

Adjustable Discharge Pattern

- XG-5800A manufactured by Greenheck. Units shall be constructed of steel.
- XG-5800A AS manufactured by Greenheck. Units shall be constructed of aluminized steel.
- XG-5800A AL manufactured by Greenheck. Units shall be constructed of aluminum.
- Units shall be square with a formed backpan and three inner cones. Diffuser shall have the same appearance from the face regardless of inlet size. The units shall be the size and quantity as outlined in the plans and specifications.

Optional for Adjustable Pattern

- Inlets shall be drawn into the backpan of the diffuser. Welded inlets are not acceptable. Diffusers shall include seismic tabs drawn into the backpan. Inner cone assemble shall be removable without the aid of tools for installation and to access optional damper. Units requiring tools such as screwdrivers or hex keys to remove the inner cones are not acceptable.
- The bottom cone shall have a removable plug in the center to allow access to adjust an optional damper. Units shall be designed to integrate into the specified ceiling system.
- Diffuser shall include adjustable deflector blades located within the cones of the device. Deflectors shall allow the discharge air to be adjusted to obtain a vertical or horizontal air pattern.

Optional Dampers and Accessories

BUTTERFLY DAMPER

- Greenheck model XG-BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot that can be accessed through the face of the diffuser.

RADIAL SHUTTER DAMPER

- Greenheck model XG-RSD steel round radial shutter damper shall be provided. Damper shall consist of gang operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot that can be accessed through the face of the diffuser.

OPPOSED BLADE DAMPER

- Greenheck model XG-D3 aluminum or XG-SD3 steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot that can be accessed through the face of the diffuser.

EQUALIZING GRID

- Greenheck model XG-G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.

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.

**XG-5800 MODEL NUMBER SPECIFICATION
SQUARE FACE DIFFUSER — 3 CONE**

Model		Neck Size	Module	Available Finishes	
XG-5800-1	Surface Mount - Steel	6	12 x 12	Standard Finish	
XG-5800-1 AS	Surface Mount - Aluminized Steel	8		01	White
XG-5800-1 AL	Surface Mount - Aluminum	6	24 x 24	Optional Finishes	
XG-5800A-1	Adj. Surface Mount - Steel	8		02	Satin Silver
XG-5800A-1 AS	Adj. Surface Mount - Aluminized Steel	10		03	Black
XG-5800A-1 AL	Adj. Surface Mount - Aluminum	12		28	Custom Color
		14			
		15			

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BAF-1	3-Way Directional Baffle
XG-BAF-2	2-Way Directional Baffle
XG-BAF-3	1-Way Directional Baffle
XG-LIPF	Lay-in Plaster Frame

XG-5800 MODEL NUMBER SPECIFICATION
SQUARE FACE DIFFUSER – 3 CONE

Model		Neck Size	Module	Available Finishes	
XG-5800-6	T-bar Lay-in - Steel	6	12 x 12	Standard Finish	
XG-5800-6 AS	T-bar Lay-in - Aluminized Steel	8		01	White
XG-5800-6	T-bar Lay-in - Steel	6	24 x 24	Optional Finishes	
XG-5800-6 AS	T-bar Lay-in - Aluminized Steel	8		02	Satin Silver
XG-5800-6 AL	T-bar Lay-in - Aluminum	10		03	Black
XG-5800A-6	Adj. T-bar Lay-in - Steel	12		28	Custom Color
XG-5800A-6 AS	Adj. T-bar Lay-in - Aluminized Steel	14			
XG-5800-7	Concealed Spline - Steel	15			
XG-5800-7 AS	Concealed Spline - Aluminized Steel				
XG-5800-9	Donn Finline / Bolt Slot - Steel				
XG-5800-9 AS	Donn Finline / Bolt Slot - Aluminized Steel				

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BAF-1	3-Way Directional BAFfle
XG-BAF-2	2-Way Directional BAFfle
XG-BAF-3	1-Way Directional BAFfle
XG-FGBP	Factory Installed R6 Insulation
XG-TBPF	T-Bar Plaster Frame (-6 Only)

Model		Neck Size	Module	Available Finishes	
XG-M5800-6	Metric T-bar Lay-in - Steel	6	600mm x 600mm	Standard Finish	
XG-M5800-6 AS	Metric T-bar Lay-in - Aluminized Steel	8		01	White
XG-M5800-6 AL	Metric T-bar Lay-in - Aluminum	10		Optional Finishes	
		12		02	Satin Silver
		14		03	Black
		15		28	Custom Color

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BAF-1	3-Way Directional BAFfle
XG-BAF-2	2-Way Directional BAFfle
XG-BAF-3	1-Way Directional BAFfle
XG-TBPF	T-Bar Plaster Frame

SERIES XG-5800 PERFORMANCE DATA
MODEL XG-5800/XG-5800A

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	1600
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
12 x 12	6	CFM	80	100	120	135	155	175	195	235	275	315
		Ps	.026	.040	.058	.073	.097	.123	.153	.223	.305	.400
		Pt	.036	.056	.080	.104	.137	.174	.216	.312	.427	.559
		Throw*	3-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-6-9	5-7-9	6-7-10	6-8-11	7-9-12
		Throw	2-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-6-9	5-7-9	6-7-10	6-8-11	7-9-12
		NC	-	<15	18	21	24	26	29	33	35	37
	8	CFM	140	175	210	245	280	315	350	420	490	560
		Ps	.026	.041	.059	.080	.104	.132	.163	.235	.319	.417
		Pt	.036	.056	.081	.110	.144	.182	.225	.324	.442	.577
		Throw*	3-5-8	4-6-9	5-7-10	6-8-11	7-8-11	7-9-12	7-9-13	8-10-14	9-11-15	9-11-16
		Throw	3-5-8	4-6-9	5-7-10	6-8-11	6-8-11	7-9-12	7-9-13	8-10-14	9-11-15	9-11-16
		NC	-	<15	19	22	25	28	30	34	37	40
24 x 24	6	CFM	80	100	120	135	155	175	195	235	275	315
		Ps	.013	.020	.029	.037	.048	.061	.076	.111	.152	.199
		Pt	.023	.036	.051	.067	.088	.112	.139	.201	.274	.359
		Throw*	3-4-5	3-4-6	4-5-7	4-5-7	4-5-7	5-6-8	5-6-8	5-6-9	6-7-10	6-7-11
		Throw	3-4-7	3-5-8	4-6-9	5-7-10	5-7-10	6-8-11	7-8-11	7-9-13	8-10-14	8-10-15
		NC	-	-	-	<15	<15	18	21	25	28	31
	8	CFM	140	175	210	245	280	315	350	420	490	560
		Ps	.014	.022	.032	.043	.056	.071	.088	.126	.172	.225
		Pt	.024	.038	.054	.074	.096	.122	.150	.216	.294	.384
		Throw*	4-5-7	5-6-8	5-6-9	5-7-9	6-7-10	6-7-11	6-8-11	7-9-12	8-9-13	8-10-14
		Throw	4-5-10	4-7-11	5-8-12	6-9-13	7-10-14	8-10-15	9-11-15	10-12-17	10-13-18	11-14-19
		NC	-	-	-	<15	17	21	24	30	34	35
	10	CFM	220	275	325	380	435	490	545	655	765	875
		Ps	.018	.028	.039	.053	.070	.088	.109	.158	.215	.282
		Pt	.028	.043	.061	.084	.110	.139	.172	.248	.337	.441
		Throw*	5-6-9	6-7-10	6-8-11	7-8-12	7-9-12	8-9-13	8-10-14	9-11-15	9-12-16	10-12-18
		Throw	4-7-12	6-8-14	7-10-15	8-11-16	9-12-17	10-13-18	11-14-19	12-15-21	13-16-23	14-17-24
		NC	-	-	-	<15	19	23	27	33	38	40
	12	CFM	315	395	470	550	630	705	785	940	1100	1255
		Ps	.022	.035	.049	.067	.088	.111	.137	.197	.270	.351
		Pt	.032	.050	.072	.098	.128	.161	.200	.287	.392	.511
		Throw*	6-7-11	7-8-12	7-9-13	8-10-14	9-11-15	9-11-16	10-12-17	11-13-18	11-14-20	12-15-21
		Throw	5-8-15	7-10-16	8-12-18	9-14-19	11-15-21	12-15-22	13-16-23	15-18-25	16-19-27	17-21-29
		NC	-	-	<15	16	21	26	30	36	41	43
14	CFM	430	535	640	750	855	960	1070	1285	1495	1710	
	Ps	.032	.049	.071	.097	.126	.159	.198	.285	.386	.505	
	Pt	.042	.065	.093	.128	.166	.210	.260	.375	.508	.665	
	Throw*	7-9-12	8-10-14	9-11-15	9-12-16	10-12-17	11-13-18	11-14-19	12-15-21	13-16-23	14-17-25	
	Throw	6-9-17	8-12-19	9-14-21	11-16-22	12-17-24	14-18-25	15-19-27	17-21-29	18-22-32	20-24-34	
	NC	-	-	<15	17	22	27	32	39	44	47	
15	CFM	490	615	735	860	980	1105	1225	1475	1720	1965	
	Ps	.036	.056	.080	.109	.142	.181	.222	.322	.438	.571	
	Pt	.046	.072	.102	.140	.182	.231	.284	.412	.560	.731	
	Throw*	7-9-13	9-10-15	9-11-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23	14-17-25	15-19-26	
	Throw	7-10-18	8-12-20	10-15-22	12-17-24	13-18-26	15-19-27	17-20-29	18-22-32	20-24-34	21-26-36	
	NC	-	-	<15	18	23	29	33	41	46	49	

CEILING
DIFFUSERS

SQUARE CEILING DIFFUSERS

XG-5800

PERFORMANCE NOTES FOR SERIES XG-5800

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

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

Throw* Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

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

Vn Neck Velocity

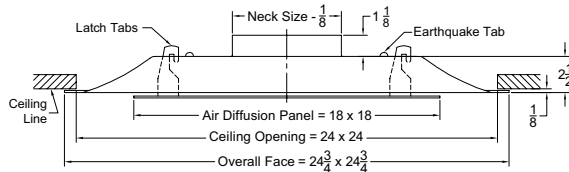
MODEL XG-5750



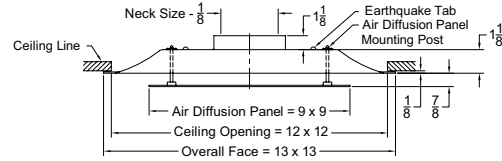
Model XG-5750 offers the architect the often preferred appearance of a single air diffusion panel. The diffuser is designed to efficiently handle cooling temperature differentials of 18-20°F at ceiling heights of 8' to 10'.

- Available in aluminum, aluminized steel and steel construction
- Face panel has rounded off corners with a smooth edge
- One piece die-formed back pan provides a smooth, aerodynamically designed surface with no corner joints
- Design helps prevent ceiling smudging
- Face panel is easily removed and installed without special tools

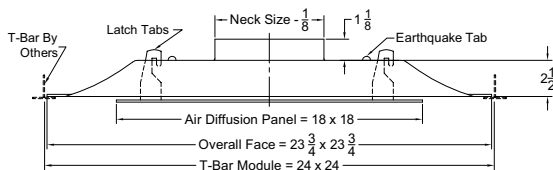
Models: XG-5750-1 (Steel - Surface Mount - 24 x 24)
XG-5750-1 AS (Aluminized Steel - Surface Mount - 24 x 24)
XG-5750-1 AL (Aluminum - Surface Mount - 24 x 24)



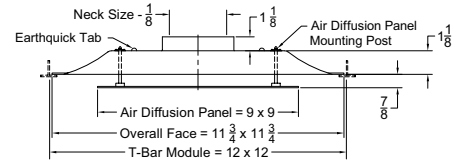
Models: XG-5750-1 (Steel - Surface Mount - 12 x 12)
XG-5750-1 AS (Aluminized Steel - Surface Mount - 12 x 12)
XG-5750-1 AL (Aluminum - Surface Mount - 12 x 12)



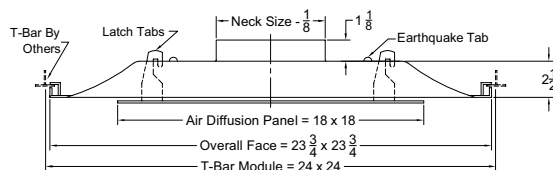
Models: XG-5750-6 (Steel - Lay In T Bar - 24 x 24)
XG-5750-1 AS (Aluminized Steel - Lay In T Bar - 24 x 24)
XG-5750-1 AL (Aluminum - Lay In T Bar - 24 x 24)



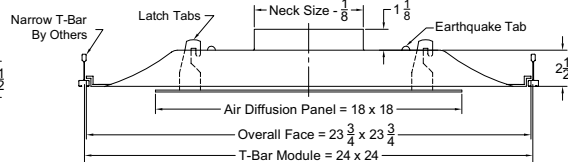
Models: XG-5750-6 (Steel - Lay In T Bar - 12 x 12)
XG-5750-1 AS (Aluminized Steel - Lay In T Bar - 12 x 12)
XG-5750-1 AL (Aluminum - Lay In T Bar - 12 x 12)



Models: XG-5750-7 (Steel - Concealed T-Bar - 24 x 24)
XG-5750-7 AS (Aluminized Steel - Concealed T Bar - 24 x 24)
XG-5750-7 AL (Aluminum - Concealed T Bar - 24 x 24)



Models: XG-5750-9 (Steel - Donn Ceiling Grid - 24 x 24)
XG-5750-9 AS (Aluminized Steel - Donn Ceiling Grid - 24 x 24)
XG-5750-9 AL (Aluminum - Donn Ceiling Grid - 24 x 24)



SERIES XG-5750 SPECIFICATIONS

Air Diffusers shall be model:

XG-5750-1	Surface Mount
XG-5750-6	T-bar Lay-in
XG-5750-7	Concealed Spline
XG-5750-9	Donn Finline Lay-in

- XG-5750 manufactured by Greenheck. Units shall be constructed of steel.
- XG-5750 AS manufactured by Greenheck. Units shall be constructed of aluminized steel.
- XG-5750 AL manufactured by Greenheck. Units shall be constructed of aluminum.
- Units shall be square with a formed backpan and a flat face panel. Face panel shall project no more than 1/4" below the ceiling grid or surface. Diffuser shall have the same appearance from the face regardless of inlet size. The units shall be the size and quantity as outlined in the plans and specifications.
- Inlets shall be drawn into the backpan of the diffuser. Welded inlets are not acceptable. Diffusers shall include seismic tabs drawn into the backpan. Face panel shall be removable without the aid of tools for installation and to access optional damper. Units requiring tools to remove the inner cones are not acceptable.
- Units shall be designed to integrate into the specified ceiling system.

Optional Dampers and Accessories

BUTTERFLY DAMPER

- Greenheck model XG-BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot.

RADIAL SHUTTER DAMPER

- Greenheck model XG-RSD steel round radial shutter damper shall be provided. Damper shall consist of gang-operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot.

OPPOSED BLADE DAMPER

- Greenheck model XG-D3 aluminum or XG-SD3 Steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot.

EQUALIZING GRID

- Greenheck model XG-G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.

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.

XG-5750 MODEL NUMBER SPECIFICATION
SQUARE FACE DIFFUSER — PLAQUE FACE

<i>Model</i>		<i>Neck Size</i>	<i>Module</i>	<i>Available Finishes</i>	
<i>XG-5750-1</i>	<i>Surface Mount - Steel</i>	6	12 x 12	Standard Finish	
<i>XG-5750-1 AS</i>	<i>Surface Mount - Aluminized Steel</i>	8		01	White
<i>XG-5750-1 AL</i>	<i>Surface Mount - Aluminum</i>	6	24 x 24	Optional Finishes	
		8		02	Satin Silver
		10		03	Black
		12		28	Custom Color
		14			
		15			

<i>Available Accessories</i>	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BO-1	3-Way Blank Off
XG-BO-2	2-Way Blank Off
XG-BO-3	1-Way Blank Off
XG-LIPF	Lay-in Plaster Frame

**XG-5750 MODEL NUMBER SPECIFICATION
 SQUARE FACE DIFFUSER — PLAQUE FACE**

Model		Neck Size	Module	Available Finishes	
XG-5750-6	T-bar Lay-in - Steel	6	12 x 12	Standard Finish	
XG-5750-6 AS	T-bar Lay-in - Aluminized Steel	8		01	White
XG-5750-6	T-bar Lay-in - Steel	6	24 x 24	Optional Finishes	
XG-5750-6 AS	T-bar Lay-in - Aluminized Steel	8		02	Satin Silver
XG-5750-6 AL	T-bar Lay-in - Aluminum	10		03	Black
XG-5750-7	Concealed Spline - Steel	12		28	Custom Color
XG-5750-7 AS	Concealed Spline - Aluminized Steel	14			
XG-5750-9	Donn Finline / Bolt Slot - Steel	15			
XG-5750-9 AS	Donn Finline / Bolt Slot - Aluminized Steel				

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BO-1	3-Way Blank Off
XG-BO-2	2-Way Blank Off
XG-BO-3	1-Way Blank Off
XG-FGBP	Factory Installed R6 Insulation
XG-TBPF	T-Bar Plaster Frame (-6 Only)

Model		Neck Size	Module	Available Finishes	
XG-M5750-6	Metric T-bar Lay-in - Steel	6	600mm x 600mm	Standard Finish	
XG-M5750-6 AS	Metric T-bar Lay-in - Aluminized Steel	8		01	White
		10		Optional Finishes	
		12		02	Satin Silver
		14		03	Black
		15		28	Custom Color

Available Accessories	
XG-G3	Equalizing Grid
XG-BDS	Butterfly Damper
XG-RSD	Radial Damper
XG-BO-1	3-Way Blank Off
XG-BO-2	2-Way Blank Off
XG-BO-3	1-Way Blank Off
XG-TBPF	T-Bar Plaster Frame

SERIES XG-5750 PERFORMANCE DATA
MODEL XG-5750

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	1600
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
12 x 12	6	CFM	80	100	120	135	155	175	195	235	275	315
		Ps	.009	.014	.021	.024	.032	.041	.051	.075	.104	.137
		Pt	.019	.030	.043	.054	.072	.092	.114	.165	.226	.297
		Throw*	3-4-7	3-5-7	4-6-8	4-6-9	5-6-9	6-7-10	6-7-10	6-8-11	7-9-12	8-9-13
		Throw	3-4-7	4-5-7	4-6-8	5-6-9	5-7-9	6-7-10	6-7-10	7-8-11	7-9-12	8-9-13
		NC	<15	<15	<15	16	18	21	23	27	31	34
	8	CFM	140	175	210	245	280	315	350	420	490	560
		Ps	.017	.027	.039	.053	.069	.087	.108	.155	.212	.276
		Pt	.027	.043	.061	.083	.109	.138	.170	.245	.334	.436
		Throw*	3-5-9	4-7-10	5-8-11	6-8-11	7-9-12	8-9-13	8-10-14	9-11-15	9-11-16	10-12-17
		Throw	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13	8-9-13	8-10-14	9-11-15	10-12-17	10-13-18
		NC	<15	<15	17	20	22	25	27	31	34	37
24 x 24	6	CFM	80	100	120	135	155	175	195	235	275	315
		Ps	.003	.004	.006	.006	.008	.011	.014	.021	.029	.039
		Pt	.013	.020	.029	.036	.048	.061	.076	.110	.151	.198
		Throw*	0-1-4	1-2-6	1-2-7	1-3-8	2-4-8	2-5-9	3-5-9	4-7-10	5-8-11	6-9-12
		Throw	1-2-5	1-3-6	2-4-7	2-4-8	3-5-9	4-5-9	4-6-10	5-7-11	6-8-12	6-9-13
		NC	<15	<15	<15	<15	15	18	21	26	31	35
	8	CFM	140	175	210	245	280	315	350	420	490	560
		Ps	.007	.012	.017	.023	.030	.038	.047	.067	.091	.119
		Pt	.017	.027	.039	.053	.070	.088	.109	.157	.213	.279
		Throw*	1-1-6	1-2-7	1-3-9	2-4-10	3-6-11	3-7-12	4-7-13	6-9-14	7-10-15	8-11-16
		Throw	1-2-6	2-4-8	2-5-10	3-6-11	4-6-12	5-7-13	5-8-13	6-10-14	7-11-16	9-12-17
		NC	<15	<15	<15	17	21	25	28	34	39	42
	10	CFM	220	275	325	380	435	490	545	655	765	875
		Ps	.016	.025	.034	.047	.061	.078	.096	.139	.190	.249
		Pt	.026	.040	.056	.077	.101	.128	.159	.229	.313	.409
		Throw*	1-2-7	1-3-9	2-4-11	2-5-13	3-7-14	4-8-15	5-9-16	7-11-17	9-13-19	10-14-20
		Throw	1-3-8	2-5-10	3-6-12	4-7-14	5-8-15	6-9-16	7-10-17	8-12-18	9-14-20	11-15-21
		NC	<15	15	15	21	26	30	33	37	41	43

CEILING
DIFFUSERS

SQUARE CEILING DIFFUSERS

XG-5750

SERIES XG-5750 PERFORMANCE DATA
MODEL XG-5750

Listed Size	Neck Size	fpm Vn	400	500	600	700	800	900	1000	1200	1400	1600
		Pv	0.01	0.016	0.022	0.031	0.04	0.05	0.062	0.09	0.122	0.249
24 x 24	12	CFM	315	395	470	550	630	705	785	940	1100	1255
		Ps	.027	.042	.059	.081	.107	.133	.165	.236	.324	.422
		Pt	.037	.058	.082	.112	.146	.183	.227	.326	.446	.581
		Throw*	1-2-9	1-3-11	2-5-13	3-7-15	4-9-17	5-10-18	6-11-19	8-13-21	10-15-23	12-17-24
		Throw	2-4-10	2-6-12	4-7-14	5-8-17	6-10-18	7-11-19	8-12-20	10-14-22	11-17-23	13-18-25
		NC	<15	<15	17	22	27	30	33	38	42	45
	14	CFM	430	535	640	750	855	960	1070	1285	1495	1710
		Ps	.031	.049	.069	.095	.124	.156	.194	.280	.378	.495
		Pt	.041	.064	.092	.126	.164	.206	.256	.370	.501	.655
		Throw*	1-3-10	2-4-13	2-6-15	3-8-18	4-10-20	6-12-21	7-13-22	10-15-24	12-18-26	14-20-28
		Throw	2-4-11	3-6-14	4-8-17	6-10-19	7-11-21	8-13-22	9-14-23	11-17-25	13-19-27	15-21-29
		NC	<15	<15	20	25	30	33	36	40	43	46
	15	CFM	490	615	735	860	980	1105	1225	1475	1720	1965
		Ps	.038	.060	.086	.117	.152	.194	.238	.345	.469	.613
		Pt	.048	.076	.108	.148	.192	.244	.300	.435	.592	.772
		Throw*	1-3-11	2-4-14	3-6-16	4-8-19	5-11-21	6-12-23	7-14-24	11-17-26	13-19-28	15-21-30
		Throw	2-4-12	3-7-15	4-9-18	6-10-21	8-12-22	9-13-24	10-15-25	12-18-27	14-21-29	16-22-31
		NC	<15	<15	20	27	32	35	37	41	44	47

PERFORMANCE NOTES FOR SERIES XG-5750

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

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

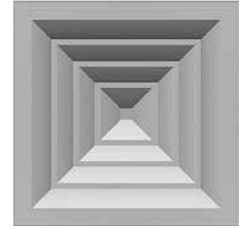
Throw* Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

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

Vn Neck Velocity

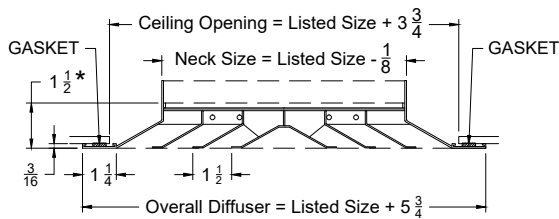
MODEL XG-5500/XG-5500S



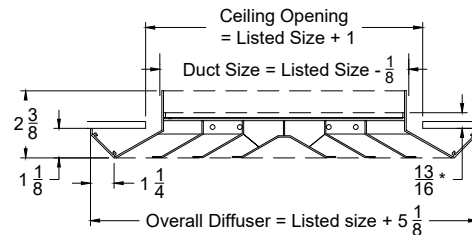
The horizontal lip deflection design makes this diffuser excellent for high capacity applications. The high induction feature ensures draft-free conditions in low ceiling height applications.

- Horizontal lip for rapid mixing of room and primary air
- Variety of air patterns – 3" size increments – 1 1/2" vane spacing
- Aluminum (model XG-5500) or steel (model XG-5500S) construction
- Easily removable spring loaded cores – no tools required
- Optional round neck possible with TR transition
- Optional air pattern deflectors (APD)
- Optional induction vanes (IV)

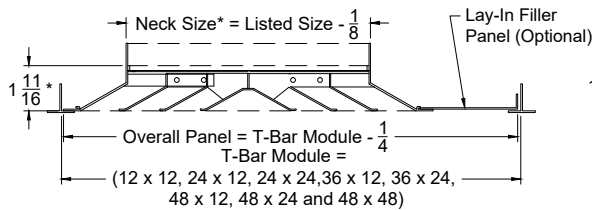
Model: XG-5500-1 (Flush Surface Mounting)



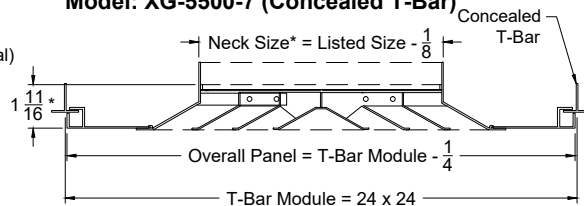
Model: XG-5500-2 (V-Beveled Drop Surface Mounting)



Model: XG-5500-6 (Lay in T-Bar)

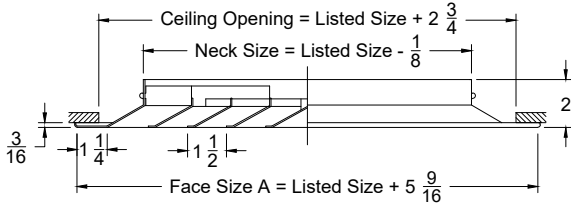


Model: XG-5500-7 (Concealed T-Bar)

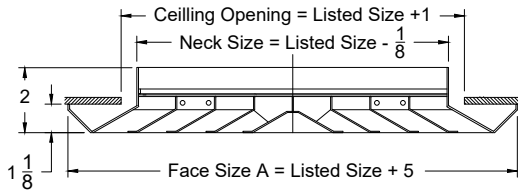


* Filler panel included for neck sizes under 18 x 18 to fit in 24 x 23, 24 x 24 T-bar grid, (6 x 6, 9 x 9, 12 x 12 and 15 x 15 include filler panel).

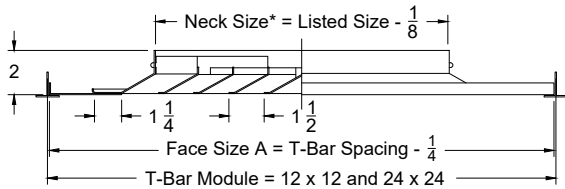
Model: XG-5500S-1 (Flush Surface Mount)



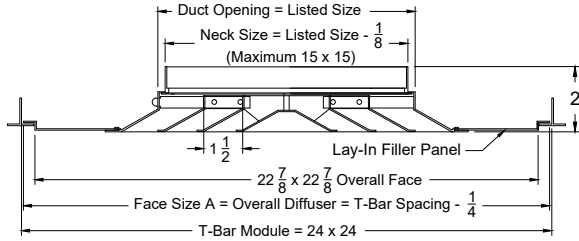
Model: XG-5500S-2 (V-Beveled Drop Surface Mount)



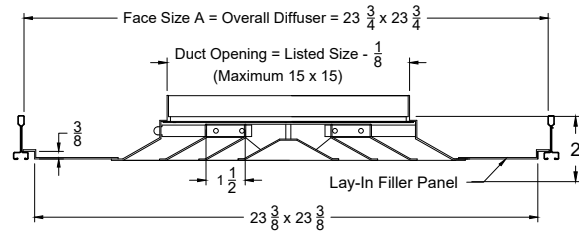
Model: XG-5500S-6 (Lay in T-Bar)



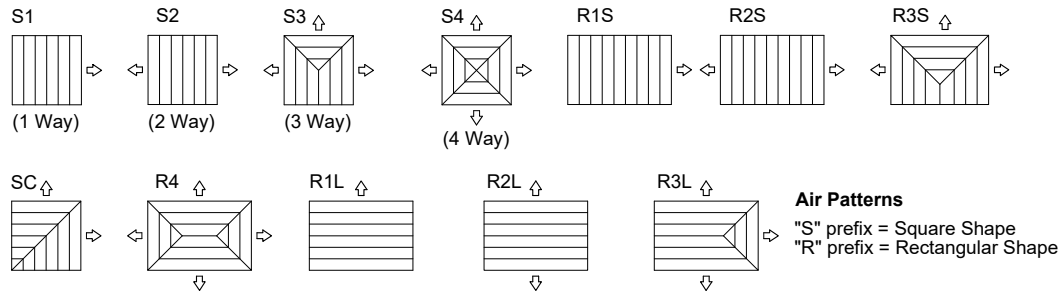
Model: XG-5500S-8 (Tegular T-Bar)



Model: XG-5500S-9 (Donn Fineline)

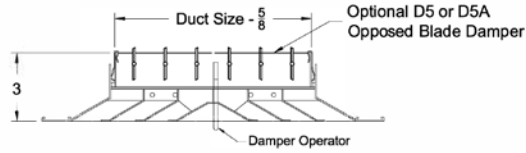


* Filler panel included for neck sizes under 18 x 18 to fit in 24 x 24 T-bar grid, (6 x 6, 9 x 9, 12 x 12 and 15 x 15 include filler panel).

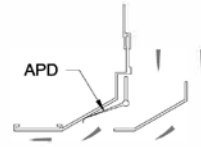


Neck Size	Ceiling Opening Size		Face Size A				
	XG-5500S-1	XG-5500S-2	XG-5500S-1	XG-5500S-2	XG-5500S-6	XG-5500S-8	XG-5500S-9
6 x 6	8 3/4 x 8 3/4	7 x 7	11 9/16 x 11 9/16	11 x 11	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
9 x 9	11 3/4 x 11 3/4	10 x 10	14 9/16 x 14 9/16	14 x 14	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
12 x 12	14 3/4 x 14 3/4	13 x 13	17 9/16 x 17 9/16	17 x 17	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
15 x 15	17 3/4 x 17 3/4	16 x 16	20 9/16 x 20 9/16	20 x 20	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
18 x 18	20 3/4 x 20 3/4	19 x 19	23 9/16 x 23 9/16	23 x 23	23 3/4 x 23 3/4	-	-
21 x 21	23 3/4 x 23 3/4	22 x 22	26 9/16 x 26 9/16	26 x 26	23 3/4 x 23 3/4	-	-
24 x 24	26 3/4 x 26 3/4	25 x 25	29 9/16 x 29 9/16	29 x 29	-	-	-

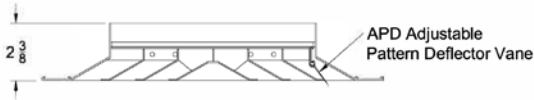
- Options: XG-D5 Steel Opposed Blade Damper
 XG-D5A Aluminum Opposed Blade Damper



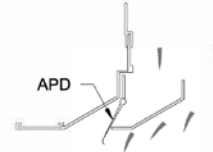
APD (Horizontal Pattern)



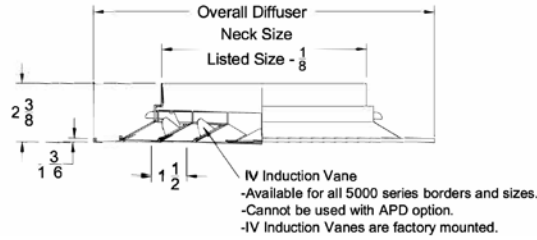
- Option: APD Adjustable Air Pattern Deflector



APD (Vertical Pattern)



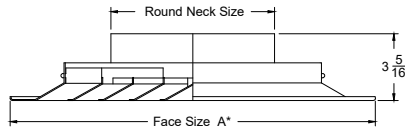
- Option: IV Induction Vanes



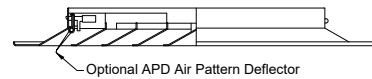
IV (Face View)



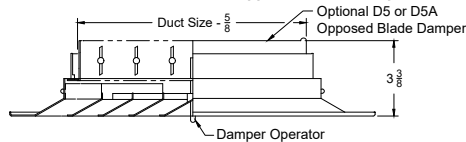
- Option: Round Neck



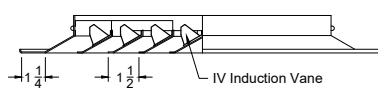
- Option: XG-APD Air Pattern Deflector



- Options: XG-D5 Steel Opposed Blade Damper.
 XG-D5A Aluminum Opposed Blade Damper



- Option: XG-IV Induction Vanes



Round Neck Size	Ceiling Opening Size		Face Size A*				
	XG-5500S-1*	XG-5500S-2*	XG-5500S-1*	XG-5500S-2*	XG-5500S-6*	XG-5500S-8*	XG-5500S-9*
6	8 3/4 x 8 3/4	7 x 7	11 9/16 x 11 9/16	11 x 11	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
8	11 3/4 x 11 3/4	10 x 10	14 9/16 x 14 9/16	14 x 14	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
10	14 3/4 x 14 3/4	13 x 13	17 9/16 x 17 9/16	17 x 17	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
12	14 3/4 x 14 3/4	13 x 13	17 9/16 x 17 9/16	17 x 17	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
14	17 3/4 x 17 3/4	16 x 16	20 9/16 x 20 9/16	20 x 20	23 3/4 x 23 3/4	23 3/4 x 23 3/4	23 3/4 x 23 3/4
16	20 3/4 x 20 3/4	19 x 19	23 9/16 x 23 9/16	23 x 23	23 3/4 x 23 3/4'	-	-

SERIES XG-5500 ALUMINUM SPECIFICATIONS

Air Diffusers shall be model:

XG-5500-1	Surface Mount
XG-5500-6	T-bar Lay-in
XG-5500-7	Concealed Spine
XG-5500-8	Tegular Lay-in
XG-5500-9	Donn Finline Lay-in

- Air Diffusers shall be aluminum model XG-5500 manufactured by Greenheck. Units shall consist of a fixed-pattern louvered core fastened into a border with spring loaded latches. Core shall be removable without the use of tools. Diffusers shall be engineered to perform in variable volume systems and include deflector blades with a horizontal lip to provide longer Throw distances. The units shall be the size and quantity as outlined in the plans and specifications.
- Diffusers shall be available in 1, 2-way opposite, 2-way corner, 3, and 4-way directional air patterns.
- Units shall be designed to integrate into the specified ceiling system.

SERIES XG-5500S STEEL SPECIFICATIONS

Air Diffusers shall be model:

XG-5500S-1	Surface Mount
XG-5500S-6	T-bar Lay-in
XG-5500S-8	Tegular Lay-in
XG-5500S-9	Donn Finline Lay-in

- Air Diffusers shall be steel model XG-5500S manufactured by Greenheck. Units shall consist of a fixed pattern louvered core fastened into a border with spring loaded latches. Core shall be removable without the use of tools. Diffusers shall be engineered to perform in variable volume systems and include deflector blades with a horizontal lip to provide longer throw distances. The units shall be the size and quantity as outlined in the plans and specifications.
- Diffusers shall be available in 1, 2-way opposite, 2-way corner, 3, and 4-way directional air patterns. Units shall be designed to integrate into the specified ceiling system.

Options

ADJUSTABLE PATTERN (HORIZONTAL TO VERTICAL)

- Diffusers shall include adjustable air pattern deflector blades that allows the air pattern to be set from vertical to horizontal (Optional APD Air Pattern Deflectors). Air pattern deflector blades shall be accessible from the face and the diffuser and adjustable without the use of tools.

IV INDUCTION VANES

- Units shall include IV induction vanes factory mounted onto the back side of the deflector vanes. IV vanes shall increase the induction rate of the diffuser.

Accessories

OPTIONAL DAMPERS

- Aluminum XG-D5A or Steel XG-D5 opposed blade dampers shall be provided. Damper shall be adjusted using a handle accessible through the face of the diffuser. Screwdriver slot operators are not allowed.

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.

XG-5500 MODEL NUMBER SPECIFICATION
LOUVERED FACE CEILING DIFFUSER

CEILING
DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000/XG-5500S

Model		Neck														
		6	9	12	15	18	21	24	27	30	33	36	36	42	45	48
XG-5500-1	Surface Mount - Aluminum	X														
XG-5500-2	Beveled Drop Surface Mount - Aluminum	X	X													
		X	X	X												
		X	X	X	X											
		X	X	X	X	X										
		X	X	X	X	X	X									
		X	X	X	X	X	X	X								
		X	X	X	X	X	X	X	X							
		X	X	X	X	X	X	X	X	X						
		X	X	X	X	X	X	X	X	X	X					
		X	X	X	X	X	X	X	X	X	X	X				
		X	X	X	X	X	X	X	X	X	X	X	X			
		X	X	X	X	X	X	X	X	X	X	X	X	X		
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Air Pattern		Available Accessories		Available Finishes	
Standard		XG-D5	Steel Opposed Blade Damper	Standard	
S4	Sq 4-Way	XG-D5A	Aluminum Opposed Blade Damper	01	White
Optional		XG-L9	Square / Rectangular Equalizing Grid	Optional	
S1	Sq 1-Way	XG-TR	Square to Round Transition	02	Satin Silver
S2	Sq 2-Way	XG-TR Deep (Used with Damper)	Deep Square to Round Transition	03	Black
S3	Sq 3-Way	XG-G3	Round Equalizing Grid	24	Mill
SC	Sq 2-Way corner	XG-BDS	Butterfly Damper	28	Custom Color
R1S	Rct 1-Way short	XG-RSD	Radial Shutter Damper		
R1L	Rct 1-Way long				
R2S	Rct 2-Way short	Available Options			
R2L	Rct 2-Way long	IV	Induction Vanes		
R3S	Rct 3-Way short	APD	Air Pattern Deflectors		
R3L	Rct 3-Way long	FSM	Face Screw Mount -1 only		
R4	Rct 4-Way				

XG-5500 MODEL NUMBER SPECIFICATION LOUVERED FACE CEILING DIFFUSER

Model		Panel	Neck																	
			6	9	12	15	18	21	24	27	30	33	36	39	42	45				
XG-5500-6	T-bar Lay-in - Aluminum	12 x 12	6	X																
			9		X															
XG-5500-6 XG-5500-7 XG-5500-8 XG-5500-9	T-bar Lay-in - Aluminum Concealed Spline - Aluminum Tegular T-bar - Aluminum Donn Finline / Bolt Slot - Aluminum	24 x 24	6	X																
			9	X	X															
			12	X	X	X														
			15	X	X	X	X													
			18						X											
										X										
											X									
XG-5500-6	T-bar Lay-in - Aluminum	36 x 24	6	X																
			9	X	X															
			12	X	X	X														
			15	X	X	X	X													
			18	X	X	X	X	X												
			21	X	X	X	X	X												
			24	X	X	X	X	X												
			27	X	X	X	X	X												
			30						X											
										X										
											X									
XG-5500-6	T-bar Lay-in - Aluminum	48 x 24	6	X																
			9	X	X															
			12	X	X	X														
			15	X	X	X	X													
			18	X	X	X	X	X												
			21	X	X	X	X	X												
			24	X	X	X	X	X												
			27	X	X	X	X	X												
			30	X	X	X	X	X												
			33	X	X	X	X	X												
			36	X	X	X	X	X												
			39	X	X	X	X	X												
			42						X											
45										X										
XG-5500-6	T-bar Lay-in	48 x 48	6	X																
			9	X	X															
			12	X	X	X														
			15	X	X	X	X													
			18	X	X	X	X	X												
			21	X	X	X	X	X	X											
			24	X	X	X	X	X	X	X										
			27	X	X	X	X	X	X	X	X									
			30	X	X	X	X	X	X	X	X	X								
			33	X	X	X	X	X	X	X	X	X	X							
			36	X	X	X	X	X	X	X	X	X	X	X						
			39	X	X	X	X	X	X	X	X	X	X	X	X					
			42															X		
			45																X	

XG-5500 MODEL NUMBER SPECIFICATION
LOUVERED FACE CEILING DIFFUSER

Air Pattern		Available Accessories		Available Finishes	
<i>Standard</i>		XG-D5	Steel Opposed Blade Damper	<i>Standard</i>	
S4	Sq 4-Way	XG-D5A	Aluminum Opposed Blade Damper	01	White
<i>Optional</i>		XG-L9	Square / Rectangular Equalizing Grid	<i>Optional</i>	
S1	Sq 1-Way	XG-FGBP (24 x 24 Only)	Factory installed R6 insulation	02	Satin Silver
S2	Sq 2-Way	XG-TR	Square to Round Transition	03	Black
S3	Sq 3-Way	XG-TR Deep (Used with Damper)	Deep Square to Round Transition	24	Mill
SC	Sq 2-Way corner	XG-G3	Round Equalizing Grid	28	Custom Color
R1S	Rct 1-Way short	XG-BDS	Butterfly Damper		
R1L	Rct 1-Way long	XG-RSD	Radial Shutter Damper		
R2S	Rct 2-Way short				
R2L	Rct 2-Way long	<i>Available Options</i>			
R3S	Rct 3-Way short	IV	Induction Vanes		
R3L	Rct 3-Way long	APD	Air Pattern Deflectors		
R4	Rct 4-Way	FSM	Face Screw Mount -1 only		

XG-5500S MODEL NUMBER SPECIFICATION LOUVERED FACE CEILING DIFFUSER

Model		Neck							
		6	9	12	15	18	21	24	
XG-5500S-1	Surface Mount - Steel	6	X						
XG-5500S-2	Beveled Drop Surface Mount - Steel	9	X	X					
		12	X	X	X				
		15	X	X	X	X			
		18	X	X	X	X	X		
		21	X	X	X	X	X	X	
		24	X	X	X	X	X	X	X

Air Pattern		Available Accessories		Available Finishes	
Standard		XG-D5	Steel Opposed Blade Damper	Standard	
S4	Sq 4-Way	XG-D5A	Aluminum Opposed Blade Damper	01	White
Optional		XG-L9	Square / Rectangular Equalizing Grid	Optional	
S1	Sq 1-Way	XG-TR	Square to Round Transition	02	Satin Silver
S2	Sq 2-Way	XG-TR Deep (Used with Damper)	Deep Square to Round Transition	03	Black
S3	Sq 3-Way	XG-G3	Round Equalizing Grid	28	Custom Color
SC	Sq 2-Way corner	XG-BDS	Butterfly Damper		
R1S	Rct 1-Way short	XG-RSD	Radial Shutter Damper		
R1L	Rct 1-Way long				
R2S	Rct 2-Way short				
R2L	Rct 2-Way long	Available Options			
R3S	Rct 3-Way short	IV	Induction Vanes		
R3L	Rct 3-Way long	APD	Air Pattern Deflectors		
R4	Rct 4-Way				

XG-5500S MODEL NUMBER SPECIFICATION
LOUVERED FACE CEILING DIFFUSER

Model	Panel	Neck						
		6	9	12	15	18	21	
XG-5500S-6	T-bar Lay-in - Steel	24 x 24	X					
XG-5500S-8	Tegular T-bar - Steel		X	X				
XG-5500S-9	Donn Finline / Bolt Slot - Steel		X	X	X			
			X	X	X	X		
							X	
								X

Air Pattern		Available Accessories		Available Finishes	
<i>Standard</i>		XG-D5	Steel Opposed Blade Damper	<i>Standard</i>	
S4	Sq 4-Way	XG-D5A	Aluminum Opposed Blade Damper	01	White
<i>Optional</i>		XG-L9	Square / Rectangular Equalizing Grid	<i>Optional</i>	
S1	Sq 1-Way	XG-FGBP (24 x 24 Only)	Factory installed R6 insulation	02	Satin Silver
S2	Sq 2-Way	XG-TR	Square to Round Transition	03	Black
S3	Sq 3-Way	XG-TR Deep (Used with Damper)	Deep Square to Round Transition	28	Custom Color
SC	Sq 2-Way corner	XG-G3	Round Equalizing Grid		
R1S	Rct 1-Way short	XG-BDS	Butterfly Damper		
R1L	Rct 1-Way long	XG-RSD	Radial Shutter Damper		
R2S	Rct 2-Way short				
R2L	Rct 2-Way long	<i>Available Options</i>			
R3S	Rct 3-Way short	IV	Induction Vanes		
R3L	Rct 3-Way long	APD	Air Pattern Deflectors		
R4	Rct 4-Way				

SERIES XG-5500 PERFORMANCE DATA/1-WAY SQUARE PATTERN (S1)
MODEL XG-5500/XG-5500S

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		<i>P_s</i>	<i>P_s</i>	<i>P_s</i>	<i>P_s</i>	<i>P_s</i>	<i>P_s</i>
	<i>P_t</i>	<i>P_t</i>	<i>P_t</i>	<i>P_t</i>	<i>P_t</i>	<i>P_t</i>	
6 x 6	Total CFM	50	75	100	125	150	175
	Throw	5-9	8-15	13-20	18-26	22-31	26-37
	NC	-	-	-	-	23	28
9 x 9	Total CFM	113	169	225	281	338	394
	Throw	8-16	12-21	17-27	22-32	27-38	31-44
	NC	-	-	-	24	29	37
12 x 12	Total CFM	200	300	400	500	600	700
	Throw	11-22	16-27	21-33	26-38	31-44	35-50
	NC	-	-	22	27	32	37
15 x 15	Total CFM	313	469	625	781	938	1094
	Throw	12-24	17-30	23-35	28-41	33-47	37-52
	NC	-	-	24	29	34	39
18 x 18	Total CFM	450	675	900	1125	1350	1575
	Throw	14-26	22-32	33-45	36-48	38-52	40-56
	NC	-	20	25	30	35	40
21 x 21	Total CFM	613	919	1225	1531	1837	2144
	Throw	16-28	26-34	33-43	37-51	40-55	42-58
	NC	-	21	26	31	36	41
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	Throw	19-29	28-36	39-45	40-53	41-59	44-61
	NC	-	22	27	32	37	42
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	Throw	21-31	30-39	35-49	41-55	43-60	46-64
	NC	-	23	28	33	38	43

**CEILING
DIFFUSERS**
LOUVERED FACE DIFFUSERS
XG-5000/XG-5500S

**SERIES XG-5500 PERFORMANCE DATA/2-WAY SQUARE PATTERN (S2 – SC)
MODEL XG-5500/XG-5500S**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		<i>Ps</i>	<i>0.018</i>	<i>0.040</i>	<i>0.071</i>	<i>0.111</i>	<i>0.160</i>
	<i>Pt</i>	<i>0.020</i>	<i>0.046</i>	<i>0.081</i>	<i>0.127</i>	<i>0.182</i>	<i>0.248</i>
6 x 6	Total CFM	50	75	100	125	150	175
	CFM/Side	25	38	50	63	75	88
	Throw	3-6	7-2	11-17	16-23	20-28	24-34
	NC	-	-	-	-	23	28
9 x 9	Total CFM	113	169	225	281	338	394
	CFM/Side	56	84	113	141	169	197
	Throw	5-10	9-15	13-21	18-27	23-32	27-38
	NC	-	-	-	24	29	34
12 x 12	Total CFM	200	300	400	500	600	700
	CFM/Side	100	150	200	250	300	350
	Throw	7-14	12-20	16-26	21-31	26-37	30-42
	NC	-	-	22	27	32	37
15 x 15	Total CFM	313	469	625	781	938	1094
	CFM/Side	156	234	313	391	469	547
	Throw	10-19	14-25	19-30	25-36	30-41	33-47
	NC	-	-	24	29	34	39
18 x 18	Total CFM	450	675	900	1125	1350	1575
	CFM/Side	225	338	450	563	675	788
	Throw	12-23	16-28	22-34	27-39	32-45	36-51
	NC	-	20	25	30	35	40
21 x 21	Total CFM	613	919	1225	1531	1837	2144
	CFM/Side	306	459	613	766	919	1072
	Throw	12-24	17-30	23-35	28-41	33-47	37-52
	NC	-	21	26	31	36	41
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	CFM/Side	400	600	800	1000	1200	1400
	Throw	12-22	16-28	21-34	27-39	32-45	36-50
	NC	-	22	27	32	37	42
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	CFM/Side	506	759	1013	1206	1519	1772
	Throw	8-15	12-21	17-27	22-32	27-38	31-43
	NC	-	23	28	33	38	43

CEILING
DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000/XG-5500S

**SERIES XG-5500 PERFORMANCE DATA/3-WAY RECTANGULAR PATTERN (S3)
 MODEL XG-5500/XG-5500S**

Neck Size	SD	Neck Velocity																	
		200		300		400		500		600		700							
		Ps		0.030		0.053		0.083		0.120		0.163							
		Pt		0.036		0.063		0.099		0.142		0.194							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B					
6 x 6	Total CFM		50		75		100		125		150		175						
	CFM/Side	19		13	28		19	38		25	47		31	56		38	66		44
	Throw	3-5		2-4	6-11		6-10	10-16		10-16	15-22		15-21	20-28		19-27	24-33		23-32
	NC		-		-		-		-		-		23		28				
9 x 9	Total CFM		113		169		225		281		338		394						
	CFM/Side	42		28	63		42	84		56	105		70	127		84	148		98
	Throw	4-8		3-6	8-14		7-12	12-19		11-18	17-25		16-23	22-31		21-29	26-36		24-34
	NC		-		-		-		24		29		34						
12 x 12	Total CFM		200		300		400		500		600		700						
	CFM/Side	75		50	113		75	150		100	188		125	225		150	263		175
	Throw	6-12		5-9	10-17		8-15	15-23		13-20	20-29		18-26	24-34		22-31	28-40		26-37
	NC		-		-		22		27		32		37						
15 x 15	Total CFM		313		469		625		781		938		1094						
	CFM/Side	75		50	176		117	234		156	293		195	352		234	410		273
	Throw	6-12		5-9	12-22		10-18	17-27		15-23	23-33		20-29	27-38		25-35	31-44		29-40
	NC		-		-		24		29		34		39						
18 x 18	Total CFM		450		675		900		1125		1350		1575						
	CFM/Side	169		113	253		169	338		225	422		281	506		338	591		394
	Throw	10-20		8-16	15-25		12-21	20-31		17-27	25-37		22-32	30-42		27-38	34-48		31-44
	NC		-		20		25		30		35		40						
21 x 21	Total CFM		613		919		1225		1531		1837		2144						
	CFM/Side	230		153	345		230	459		306	574		383	689		459	804		536
	Throw	12-23		10-19	16-28		14-24	22-34		19-30	27-40		24-36	32-45		29-41	36-51		33-47
	NC		-		21		16		31		36		41						
24 x 24	Total CFM		800		1200		1600		2000		2400		2800						
	CFM/Side	300		200	450		300	600		400	750		500	900		600	1050		700
	Throw	12-24		11-22	17-30		16-27	23-35		21-33	28-41		26-38	33-47		31-44	37-52		35-50
	NC		-		22		27		32		37		42						
27 x 27	Total CFM		1013		1519		2025		2531		3037		3544						
	CFM/Side	380		253	570		380	759		506	949		633	1139		759	1329		886
	Throw	12-23		12-24	17-29		17-19	22-34		22-35	27-40		28-40	32-46		33-46	36-51		37-52
	NC		-		23		28		33		38		43						

 CEILING
 DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000/XG-5500S

**SERIES XG-5500 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
MODEL XG-5500/XG-5500S**

Neck Size		Neck Velocity					
		200	300	400	500	600	700
		<i>Ps</i>	<i>0.013</i>	<i>0.030</i>	<i>0.053</i>	<i>0.083</i>	<i>0.120</i>
	<i>Pt</i>	<i>0.016</i>	<i>0.036</i>	<i>0.063</i>	<i>0.099</i>	<i>0.142</i>	<i>0.194</i>
6 x 6	Total CFM	50	75	100	125	150	175
	CFM/Side	13	19	25	31	38	44
	Throw	2-4	6-10	10-16	15-21	19-27	23-32
	NC	-	-	-	-	23	28
9 x 9	Total CFM	113	169	225	281	338	394
	CFM/Side	28	42	56	70	84	98
	Throw	3-6	7-12	11-18	16-23	21-29	24-34
	NC	-	-	-	24	29	34
12 x 12	Total CFM	200	300	400	500	600	700
	CFM/Side	50	75	100	125	150	175
	Throw	5-9	8-15	13-20	18-26	22-31	26-37
	NC	-	-	22	27	32	37
15 x 15	Total CFM	313	469	625	781	938	1094
	CFM/Side	78	117	156	195	234	273
	Throw	6-12	10-18	15-23	20-29	25-35	29-40
	NC	-	-	24	29	34	39
18 x 18	Total CFM	450	675	900	1225	1350	1575
	CFM/Side	113	169	225	306	338	394
	Throw	8-16	12-21	17-27	22-32	27-38	31-44
	NC	-	20	25	30	35	40
21 x 21	Total CFM	613	919	1225	1531	1837	2144
	CFM/Side	153	230	306	383	459	536
	Throw	10-19	14-24	19-30	24-36	29-41	33-47
	NC	-	21	26	31	36	41
24 x 24	Total CFM	800	1200	1600	2000	2400	2800
	CFM/Side	200	300	400	500	600	700
	Throw	11-22	16-27	21-33	26-38	31-44	35-50
	NC	-	22	27	32	37	42
27 x 27	Total CFM	1013	1519	2025	2531	3037	3544
	CFM/Side	253	380	506	633	759	886
	Throw	12-24	17-29	22-35	28-40	33-46	37-52
	NC	-	23	28	33	38	43
33 x 33	Total CFM	1513	2269	3025	3781	4537	5294
	CFM/Side	378	567	756	945	1134	1323
	Throw	12-23	17-29	22-34	27-40	33-46	36-51
	NC	-	24	29	34	39	44

CEILING
DIFFUSERS

LOUVERED FACE DIFFUSERS

XG-5000/XG-5500S

PERFORMANCE NOTES FOR SERIES XG-5500/XG-5500S

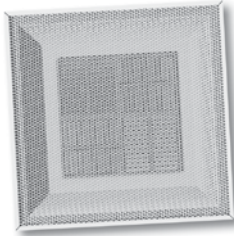
All data is tested in accordance with ANSI/ASHRAE 70-2006

DEFINITION OF UNITS

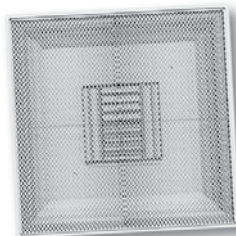
CFM	Cubic Feet per Minute (air)
Horizontal Throw	Throw distance in feet at terminal velocities of 150fpm and 50fpm.
NC	Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10^{-12} watts minus a 10dB room attenuation in all octave bands
Ps	Static pressure = $P_t - P_v$ (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

PERFORATED CEILING DIFFUSERS

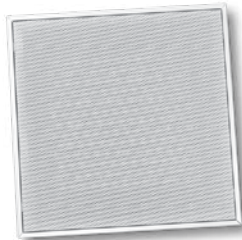
MODEL XG-7500 AND XG-7550



MODEL XG-7600 AND XG-7650



MODEL XG-XG-7550R-F AND XG-7650R-F



Model XG-7500 and XG-7550 are designed for use in ceiling applications which call for air pattern adjustability in the field. The perforated face is hinged to swing open to permit easy access to four air pattern controllers centrally pivoted on the inside face surface. These units are available in both steel and aluminum construction and are also available in round neck, XG-7500, or square neck, XG-7550. Matching returns are available (Model XG-7500R and Model XG-7550R).

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Model XG-7600 and XG-7650 are available in both steel and aluminum construction. The hinged fully removable face allows access to the curve blade pattern controllers mounted in the neck of the diffuser. These units are available in both round neck, XG-7600, and square neck, XG-7650. Matching returns are available (Model XG-7600R and Model XG-7650R).

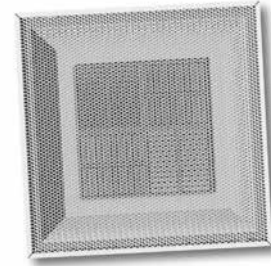
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Model XG-7550R-F and XG-7650R-F are perforated return filter diffusers designed to be installed in standard T-Bar ceiling grids. The hinged perforated face allows access to the filter (by others). These units are available with a 1" or 2" filter rack.

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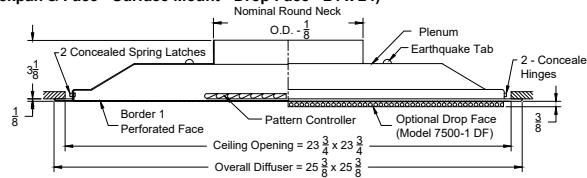
MODEL XG-7500/XG-7550

Model XG-7500/XG-7550 is designed for use in ceiling applications which call for air pattern adjustability in the field. The perforated face is hinged to swing open to permit easy access to four air pattern controllers mounted on the inside face surface.

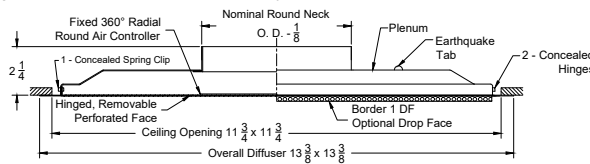


- Available in steel (Model XG-7500/XG-7550), steel backpan and aluminum face (Model XG-7500/XG-7550-AF) or aluminum (Model XG-7500/XG-7550-AL) construction
- Hinged fully removable face
- Pattern controllers can be adjusted to 1, 2, 3 and 4-way air patterns
- Round neck (Model XG-7500)
- Square neck (Model XG-7550)
- Matching returns available for Model XG-7500R/XG-7550R

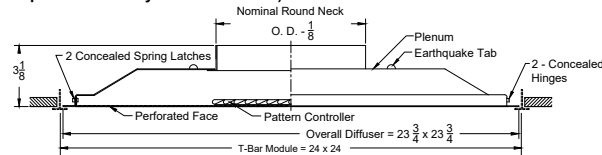
Model: XG-7500 -1 (Steel Backpan & Face - Surface Mount - 24 x 24)
 XG-7500-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 24 x 24)
 XG-7500-1 DF (Steel Backpan & Face - Surface Mount - Drop Face - 24 x 24)



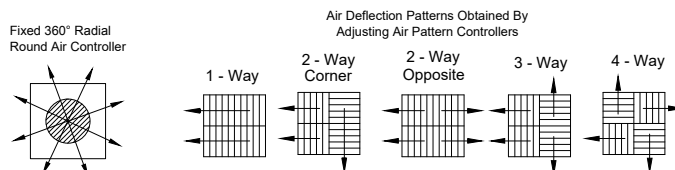
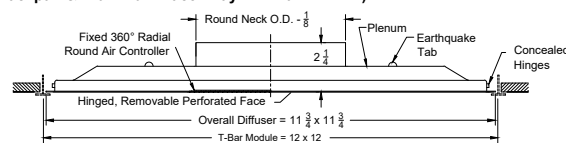
Model: XG-7500-1 (Steel Backpan & Face - Surface Mount - 12 x 12)
 XG-7500-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 12 x 12)
 XG-7500-1 DF (Steel Backpan & Face - Surface Mount - 12 x 12)



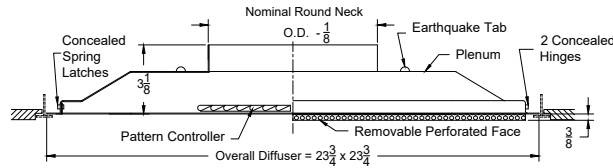
Model: XG-7500 -6 (Steel Backpan & Face - Lay in T-Bar - 24 x 24)
 XG-7500-6AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 24 x 24)
 XG-7500-6AL (Aluminum Backpan & Face - Lay in T-Bar - 24x24)



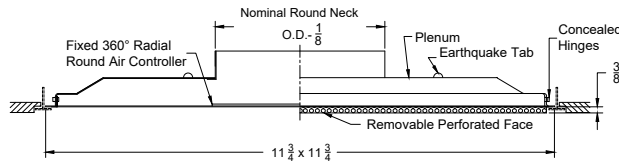
Model: XG-7500 -6 (Steel Backpan & Face - Lay in T-Bar - 12 x 12)
 XG-7500-6AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 12 x 12)
 XG-7500-6AL (Aluminum Backpan & Aluminum Face - Lay in T-Bar - 12x12)



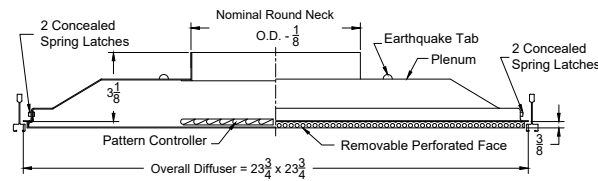
- Models: XG-7500-8 (Steel Backpan & Face - Tegular T-Bar - 24 x 24)
 XG-7500-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar - 24 x 24)
 XG-7500-8 AL (Aluminum Backpan & Face - Tegular T-Bar - 24 x 24)



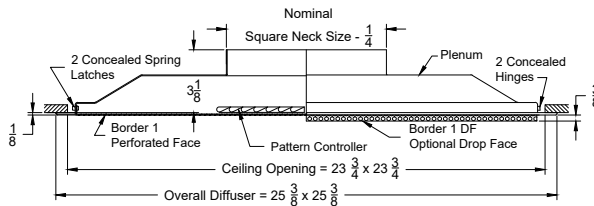
- Models: XG-7500-8 (Steel Backpan & Face - Tegular T-Bar - 12 x 12)
 XG-7500-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar - 12 x 12)



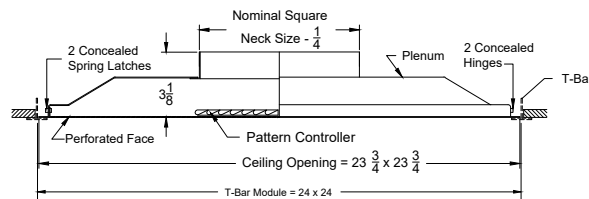
- Models: XG-7500-9 (Steel Backpan & Face - 24 x 24 Donn Ceiling Grid)
 XG-7500-9 AF (Steel Backpan & Aluminum Face - 24x24 Donn Ceiling Grid)



- Models: XG-7550-1 (Steel Backpan & Face - Surface Mount)
 XG-7550-1 DF (Steel Backpan & Face -Surface Mount - Drop Face)
 XG-7550-1 AF (Steel Backpan & Aluminum Face - Surface Mount)



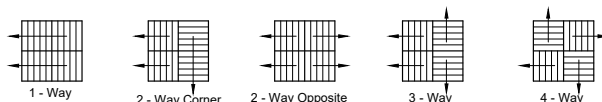
- Models: XG-7550-6 (Steel Backpan & Face - Lay in T-Bar)
 XG-7550-6 AF (Steel Backpan & Aluminum Face - Lay in T-Bar)
 XG-7550-6 AL (Aluminum Backpan & Face - Lay in T-Bar)



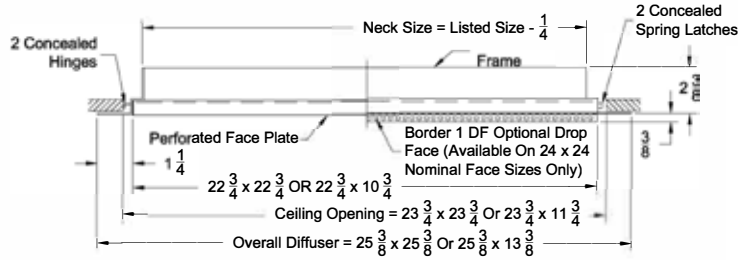
Available Square Inlets

6 x 6
8 x 8
10 x 10
12 x 12
14 x 14
16 x 16

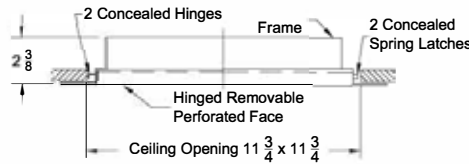
Air Deflection Patterns
Obtained By Adjusting
Air Pattern Controllers



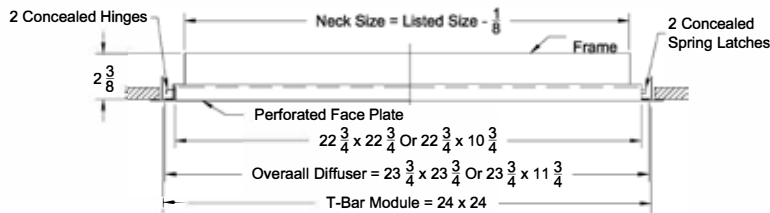
- Models: XG-7550R-1 (Steel Backpan & Face - Surface Mount - 24 x 24)**
XG-7550R-1 DF (Steel Backpan & Face - Surface Mount - Drop Face - 24 x 24)
XG-7550R-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 24 x 24)



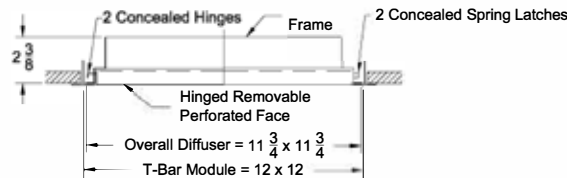
- Models: XG-7550R-1 (Steel Backpan & Face - Surface Mount - 12 x 12)**
XG-7550R-1 DF (Steel Backpan & Face - Surface Mount - Drop Face - 12 x 12)
XG-7550R-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 12 x 12)



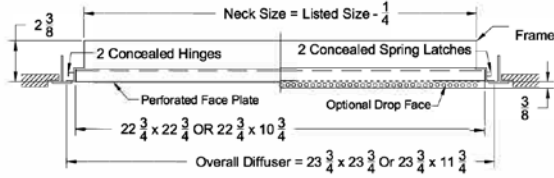
- Models: XG-7550R-6 (Steel Backpan & Face - Lay in T-Bar - 24 x 24)**
XG-7550R-6 AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 24 x 24)
XG-7550R-6 AL (Aluminum Backpan & Face - Lay in T-Bar - 24 x 24)



- Models: XG-7550R-6 (Steel Backpan & Face - Lay in T-Bar - 12 x 12)**
XG-7550R-6 AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 12 x 12)

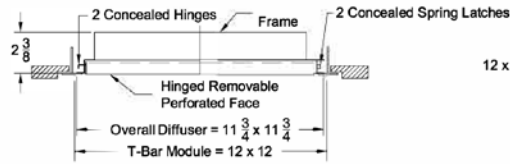


- Models: XG-7550R-8 (Steel Backpan & Face - Tegular T-Bar - 24 x 24)**
XG-7550R-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar -24 x 24)
XG-7550R-8 AL (Aluminum Backpan & Face) - Tegular T-Bar - 24 x 24)



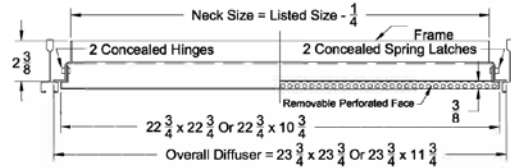
Available For 24 x 24 And 24 x 12 T-Bar Lay-in Ceiling Grids
 24 x 24 Return Available With 6 x 6, 8 x 8, 10 x 10, 12 x 12,
 14 x 14, 16 x 16, 18 x 18, 22 x 22 10 Neck Size.
 24 x 12 Return Available With 22 x 10 Neck Size Only.

- Models: XG-7550R-8 (Steel Backpan & Face - Tegular T-Bar - 12 x 12)**
XG-7550R-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar - 12 x 12)



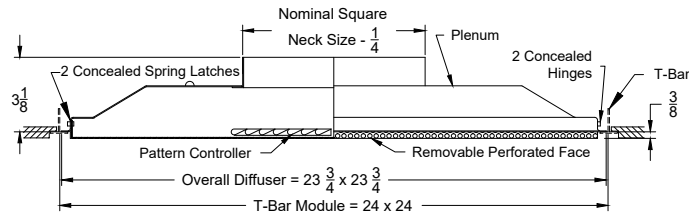
12 x 12 Return Diffuser Available With 10 x 10 Neck Size Only.

- Models: XG-7550R-9 (Steel Backpan & Face - 24 x 24 Donn Finline Ceiling Grid)**
XG-7550R-9 AF (Steel Backpan & Aluminum Face - 24 x 24 Donn Finline Ceiling Grid)

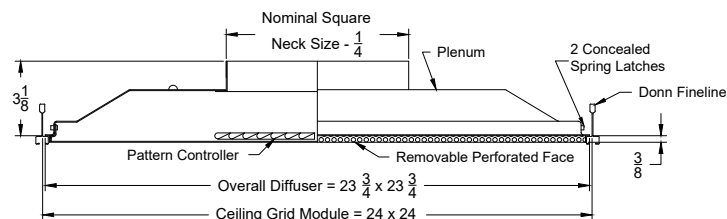


24 x 24 Return Diffuser Available With 6 x 6, 8 x 8, 10 x 10,
 12 x 12, 14 x 14, 16 x 16, 18 x 18 and 22 x 22 Neck Sizes.

- Models: XG-7550-8 (Steel Backpan & Face - Tegular T-Bar)**
XG-7550-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar)
XG-7550-8 AL (Aluminum Backpan & Face - Tegular T-Bar)



- Model: XG-7550-9 (Steel Backpan & Face - 24 x 24 Donn Ceiling Grid)**



SERIES XG-7500/XG-7550 SPECIFICATIONS

SUPPLY – PERFORATED FACE – ROUND/SQUARE NECK – FACE MOUNTED ADJUSTABLE PATTERN CONTROLLERS

STEEL – ALUMINUM FACE – STEEL BACKPAN – ALL ALUMINUM

XG-7500/XG-7550-1	Surface Mounted – Steel
XG-7500/XG-7550-1 AF	Surface Mounted – Aluminum Face
XG-7500/XG-7550-1 DF	Surface Mounted – Dropped Face
XG-7500/XG-7550-6	T-bar Lay-in – Steel
XG-7500/XG-7550-6 AF	T-bar Lay-in – Aluminum Face
XG-7500/XG-7550-6 AL	T-bar Lay-in – Aluminum
XG-7500/XG-7550-8	Tegular T-bar – Steel
XG-7500/XG-7550-8 AF	Tegular T-bar – Aluminum Face
XG-7500/XG-7550-8 AL	Tegular T-bar – Aluminum
XG-7500/XG-7550-9	Donn Finline/Bolt Slot – Steel

- Air Outlets shall be steel model XG-7500/XG-7550 or aluminum face, steel backpan model XG-7500/XG-7550-AF or all aluminum model XG-7500/XG-7550-AL manufactured by Greenheck.
- Units shall consist of aluminum 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. The perforated face shall be hinged allowing access to four adjustable pattern controllers mounted onto the inside face of the outlet. Face shall be secured in place with tension spring clips. Pattern controller blades shall be individually adjustable and allow the discharge pattern to be adjustable from vertical to horizontal.
- Outlets shall be field adjustable allowing 1, 2-way opposite, 2-way corner, 3, and 4-way directional air patterns.
- The units shall be the size and quantity outlined in the plans and specifications.
- Units shall be designed to integrate into the specified ceiling system.

RETURN – RETURN OR EXHAUST – PERFORATED FACE – ROUND/SQUARE NECK

STEEL – ALUMINUM FACE – STEEL BACKPAN – ALL ALUMINUM

XG-7500R/XG-7550R-1	Surface Mounted – Steel
XG-7500R/XG-7550R-1 AF	Surface Mounted – Aluminum Face
XG-7500R/XG-7550R-1 DF	Surface Mounted – Dropped Face
XG-7500R/XG-7550R-6	T-bar Lay-in – Steel
XG-7500R/XG-7550R-6 AF	T-bar Lay-in – Aluminum Face
XG-7500R/XG-7550R-6 AL	T-bar Lay-in – Aluminum
XG-7500R/XG-7550R-8	Tegular T-bar – Steel
XG-7500R/XG-7550R-8 AF	Tegular T-bar – Aluminum Face
XG-7500R/XG-7550R-8 AL	Tegular T-bar – Aluminum
XG-7500R/XG-7550R-9	Donn Finline/Bolt Slot – Steel

- Air Inlets shall be steel model XG-7500/XG-7550R or aluminum face, steel backpan model XG-7500/XG-7550R-AF or all aluminum model XG-7500/XG-7550R-AL manufactured by Greenheck.
- Units shall consist of aluminum 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. Units shall be designed for use in ducted return or exhaust applications.
- The perforated face shall be hinged allowing access to the inside of the backpan.
- The units shall be the size and quantity as outlined in the plans and specifications.
- Units shall be designed to integrate into the specified ceiling system.

Optional Dampers and Accessories

BUTTERFLY DAMPER

- Greenheck model XG-BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

RADIAL SHUTTER DAMPER

- Greenheck model XG-RSD steel round radial shutter damper shall be provided. Damper shall consist of gang operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full close. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

OPPOSED BLADE DAMPER

- Greenheck model XG-D3 aluminum or XG-SD3 steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full close. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

EQUALIZING GRID

- Greenheck model XG-G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.

OPPOSED BLADE DAMPER

- Greenheck model XG-OBDA aluminum or XG-OB steel opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

EQUALIZING GRID

- Greenheck model XG-L9 aluminum square equalizing grid shall be provided. Equalizing grid shall consist aluminum blades mounting in an aluminum frame.

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 de-ionized water rinse.

XG-7500/XG-7550 MODEL NUMBER SPECIFICATION PERFORATED CEILING DIFFUSER — SUPPLY — FACE MOUNTED PATTERN CONTROLLERS

Model		Neck	Module	Available Finishes	
XG-7500/XG-7550-1	Surface Mount	6	12 x 12	Standard	
XG-7500/XG-7550-1-DF	Surface Mount Drop Face	6	24 x 24	01	White
XG-7500/XG-7550-1-AF	Surface Mount Aluminum Face	8		Optional	
XG-7500/XG-7550-6	T-Bar Lay-in Steel	10		02	Satin Silver
XG-7500/XG-7550-6-AF	T-Bar Lay-in Aluminum Face	12		03	Black
XG-7500/XG-7550-6-AL	T-Bar Lay-in Aluminum	14		22	Black Back Pan
XG-7500/XG-7550-8	Tegular Steel	16		28	Custom Color
XG-7500/XG-7550-8-AF	Tegular Aluminum Face			Available Accessories	
XG-7500/XG-7550-8-AL	Tegular Aluminum			XG-G3	Round Equalizing Grid
XG-7500/XG-7550-9	Donn Finline / Bolt Slot Steel			XG-BDS	Butterfly Damper
			XG-RSD	Radial Shutter Damper	
			D3	Aluminum Round Opposed Blade Damper	
			XG-SD3	Steel Round Opposed Blade Damper	

XG-7500R/XG-7550R MODEL NUMBER SPECIFICATION PERFORATED CEILING DIFFUSER — RETURN

Model		Neck	Module	Available Finishes	
XG-7500R/XG-7550R-1	Surface Mount	6	12 x 12	Standard	
XG-7500R/XG-7550R-1-DF	Surface Mount Drop Face	6	24 x 24	01	White
XG-7500R/XG-7550R-1-AF	Surface Mount Aluminum Face	8		Optional	
XG-7500R/XG-7550R-6	T-Bar Lay-in Steel	10		02	Satin Silver
XG-7500R/XG-7550R-6-AF	T-Bar Lay-in Aluminum Face	12		03	Black
XG-7500R/XG-7550R-6-AL	T-Bar Lay-in Aluminum	14		22	Black Back Pan
XG-7500R/XG-7550R-8	Tegular Steel	16		28	Custom Color
XG-7500R/XG-7550R-8-AF	Tegular Aluminum Face	18		Available Accessories	
XG-7500R/XG-7550R-8-AL	Tegular Aluminum			XG-G3	Equalizing Grid
XG-7500R/XG-7550R-9	Donn Finline / Bolt Slot Steel				

SERIES XG-7500 PERFORMANCE DATA

Module	Neck Size	<i>fpm Neck Velocity</i>	300	400	500	600	700	800	1000	1200	
		<i>Pv</i>	.006	.010	.016	.022	.031	.040	.062	.090	
12 x 12	6	CFM	60	80	100	120	135	155	195	235	
		Pt	.011	.019	.030	.043	.054	.072	.114	.165	
		NC	<15	<15	<15	17	21	25	31	36	
		Throw	4-Way*	1-2-3	1-2-5	2-3-5	2-3-6	3-4-6	3-4-6	4-5-7	5-6-8
			4-Way	1-2-4	1-2-5	2-3-6	2-4-6	3-4-7	3-5-7	4-6-8	5-6-9
			3-Way	1-2-4	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-6-8	5-6-9
			2-Way	1-2-5	2-3-5	3-4-6	3-5-6	4-5-7	4-5-7	5-6-8	5-6-9
	1-Way		1-2-5	2-3-5	3-4-6	3-5-7	4-5-7	4-5-8	5-6-8	5-7-9	
	8	CFM	105	140	175	210	245	280	350	420	
		Pt	.015	.027	.043	.061	.083	.109	.170	.245	
		NC	<15	<15	<15	20	25	30	37	43	
		Throw	4-Way*	1-2-5	2-3-6	3-4-7	3-5-7	4-5-8	4-6-9	5-7-10	6-7-11
			4-Way	1-2-5	2-3-6	3-4-7	3-5-8	4-6-9	4-6-9	5-7-11	6-8-12
			3-Way	1-2-5	2-4-7	3-5-8	4-5-8	4-6-9	5-7-10	6-8-11	7-8-12
2-Way			2-3-6	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	6-8-11	7-9-12	
1-Way	2-3-6		3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	7-8-11	7-9-12		
24 x 24	6	CFM	60	80	100	120	135	155	195	235	
		Pt	.010	.019	.029	.042	.053	.070	.110	.160	
		NC	<15	<15	<15	17	21	25	31	36	
		Throw	4-Way*	1-2-4	1-2-5	2-3-5	2-4-6	3-4-6	3-5-7	4-5-8	5-6-8
			4-Way	1-2-4	1-3-5	2-3-6	3-4-7	3-4-7	3-5-7	4-6-8	5-6-9
			3-Way	1-2-4	1-3-5	2-4-6	3-4-7	3-5-7	4-5-8	5-6-8	5-7-9
			2-Way	1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-5-8	5-6-9	5-7-9
	1-Way		1-3-5	2-3-6	3-4-6	3-5-7	4-5-7	4-6-8	5-6-9	6-7-10	
	8	CFM	105	140	175	210	245	280	350	420	
		Pt	.016	.028	.043	.063	.085	.111	.174	.250	
		NC	<15	<15	<15	20	25	30	37	43	
		Throw	4-Way*	1-2-5	2-3-6	3-4-7	3-5-8	4-6-9	4-6-9	5-7-10	6-8-11
			4-Way	1-2-5	2-3-7	3-4-8	3-5-9	4-6-9	4-7-10	6-8-11	7-9-12
			3-Way	1-2-6	2-4-7	3-5-8	4-6-9	4-7-10	5-7-10	6-8-11	7-9-12
2-Way			2-3-6	3-5-7	4-6-8	5-6-9	5-7-10	6-7-10	7-8-12	7-9-13	
1-Way	2-3-7		3-5-8	4-6-8	5-7-9	5-7-10	6-8-11	7-8-12	8-9-13		

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7500/XG-7550

SERIES XG-7500 PERFORMANCE DATA

Module	Neck Size	<i>fpm Neck Velocity</i>	300	400	500	600	700	800	1000	1200	
		<i>Pv</i>	.006	.010	.016	.022	.031	.040	.062	.090	
24 x 24	10	CFM	165	220	275	325	380	435	545	655	
		Pt	.023	.041	.064	.090	.123	.161	.252	.365	
		NC	<15	<15	15	22	28	33	42	48	
		Throw	4-Way*	1-3-6	2-4-8	3-5-9	4-6-10	5-7-11	5-8-11	7-9-13	8-10-14
			4-Way	1-3-6	2-4-8	3-5-10	4-6-11	5-7-12	5-8-12	7-10-14	8-11-15
			3-Way	1-3-7	2-5-9	3-6-10	5-7-1	5-8-12	6-9-13	8-10-14	9-11-16
			2-Way	2-4-8	4-6-9	5-7-10	6-8-11	7-9-12	7-9-13	8-10-14	9-11-16
			1-Way	2-4-8	4-6-9	5-7-11	6-8-11	7-9-12	7-9-13	9-11-15	9-12-16
		12	CFM	235	315	395	470	550	630	785	940
			Pt	.025	.044	.070	.099	.135	.177	.275	.395
	NC		<15	<15	17	24	31	37	45	52	
	Throw		4-Way*	1-3-7	3-5-10	4-6-11	5-7-12	6-8-13	6-10-14	8-11-15	10-12-17
			4-Way	1-3-7	3-5-10	4-6-12	5-7-13	6-9-14	7-10-15	8-12-17	10-13-18
			3-Way	1-3-8	3-6-11	4-7-12	6-8-13	7-10-14	8-11-15	9-12-17	11-13-19
			2-Way	3-5-9	5-7-11	6-8-12	7-9-13	8-10-15	9-11-16	10-12-17	11-13-19
			1-Way	3-5-10	5-7-11	6-8-13	7-10-14	8-11-15	9-11-16	10-13-18	11-14-20
	14		CFM	320	430	535	640	750	855	1070	1285
			Pt	.033	.059	.091	.131	.179	.233	.365	.527
		NC	<15	<15	18	27	34	41	50	56	
		Throw	4-Way*	2-4-8	3-6-11	5-7-13	6-8-14	7-10-15	7-11-16	9-13-18	11-14-20
			4-Way	2-4-9	3-6-12	5-7-14	6-8-15	7-10-16	8-12-17	10-14-19	12-15-21
			3-Way	2-4-10	3-7-13	5-8-14	7-10-15	8-12-17	9-13-18	11-14-20	13-15-22
			2-Way	3-6-11	5-8-13	7-10-14	8-11-16	9-12-17	10-13-18	12-14-20	13-16-22
			1-Way	3-6-11	5-8-13	7-10-15	8-11-16	9-12-17	10-13-19	12-15-21	13-16-23
		16	CFM	420	560	700	840	975	1115	1395	1675
			Pt	.040	.071	.110	.159	.214	.280	.438	.631
	NC		<15	<15	20	29	36	43	52	60	
	Throw		4-Way*	2-4-10	4-6-13	5-8-14	6-10-16	7-11-17	8-13-18	11-14-20	13-16-22
4-Way			2-4-10	3-7-13	5-8-16	7-10-17	8-12-19	9-13-20	11-16-22	13-17-24	
3-Way			2-4-11	3-8-14	5-9-16	8-11-18	9-13-19	10-14-20	13-16-23	14-18-25	
2-Way			4-7-13	6-9-15	8-11-16	9-13-18	10-14-19	12-15-21	13-16-23	15-18-25	
1-Way			4-7-13	6-9-15	8-11-17	9-13-18	10-14-20	12-15-21	14-17-24	15-18-26	

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7500/XG-7550

SERIES XG-7550 PERFORMANCE DATA

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
12 x 12	6 x 6	CFM	75	100	125	150	175	200	250	300	
		Pt	.013	.023	.036	.052	.071	.093	.145	.209	
		NC	<15	<15	<15	19	25	29	36	41	
		Throw	4-Way*	1-2-4	1-3-5	2-3-6	3-4-6	3-4-7	3-5-7	4-6-8	5-6-9
			4-Way	1-2-4	1-3-5	2-3-6	3-4-7	3-5-7	4-5-8	4-6-9	5-7-10
			3-Way	1-2-5	1-3-6	2-4-6	3-5-7	4-5-8	4-6-8	5-6-9	6-7-10
			2-Way	1-3-5	2-4-6	3-5-7	4-5-7	4-6-8	5-6-8	5-7-9	6-7-10
	1-Way		2-3-5	2-4-6	3-5-7	4-5-7	4-6-8	5-6-9	6-7-10	6-7-10	
	8 x 8	CFM	135	180	220	265	310	355	445	535	
		Pt	.017	.031	.046	.067	.092	.121	.190	.275	
		NC	<15	<15	<15	20	27	32	39	45	
		Throw	4-Way*	1-2-5	2-3-7	3-4-8	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12
			4-Way	1-2-5	2-4-7	3-4-8	4-5-9	4-6-10	5-7-11	6-8-12	7-9-13
			3-Way	1-2-6	2-4-8	3-5-9	4-6-9	5-7-10	5-8-11	7-9-12	8-9-13
2-Way			2-4-7	3-5-8	4-6-9	5-7-10	6-7-10	6-8-11	7-9-12	8-10-14	
1-Way	2-4-7		3-5-8	4-6-9	5-7-10	6-8-11	6-8-11	7-9-13	8-10-14		

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7500/XG-7550

SERIES XG-7550 PERFORMANCE DATA

Module	Neck Size	<i>fpm Neck Velocity</i>	300	400	500	600	700	800	1000	1200	
		<i>Pv</i>	.006	.010	.016	.022	.031	.040	.062	.090	
24 x 24	6 x 6	CFM	75	100	125	150	175	200	250	300	
		Pt	.013	.023	.036	.052	.071	.093	.145	.209	
		NC	<15	<15	<15	19	25	29	36	41	
		Throw	4-Way*	1-2-4	1-3-5	2-3-6	3-4-7	3-5-7	4-5-8	5-6-9	5-7-9
			4-Way	1-2-4	1-3-6	2-4-7	3-4-7	3-5-8	4-6-8	5-7-9	6-7-10
			3-Way	1-2-5	1-3-6	2-4-7	3-5-7	4-6-8	4-6-9	5-7-10	6-7-11
			2-Way	2-3-5	3-4-6	3-5-7	4-5-8	4-6-8	5-6-9	6-7-10	6-8-11
	1-Way	2-3-6	3-4-6	3-5-7	4-6-8	4-6-8	5-6-9	6-7-10	6-8-11		
	8 x 8	CFM	135	180	220	265	310	355	445	535	
		Pt	.017	.031	.046	.067	.092	.121	.190	.275	
		NC	<15	<15	<15	20	27	32	39	45	
		Throw	4-Way*	1-3-5	2-4-7	3-4-8	4-5-9	4-6-10	5-7-10	5-8-11	7-9-13
			4-Way	1-2-6	2-4-8	3-5-9	4-6-10	4-7-10	5-7-11	6-9-13	7-10-14
			3-Way	1-2-6	2-4-8	3-5-9	4-6-10	5-7-11	6-8-11	7-9-13	8-10-14
			2-Way	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	7-8-12	8-9-13	8-10-14
	1-Way	2-4-7	3-5-9	4-6-9	5-7-10	6-8-11	7-8-12	8-9-13	8-10-15		
	10 x 10	CFM	210	280	345	415	485	555	695	835	
		Pt	.023	.040	.061	.088	.120	.158	.247	.357	
		NC	<15	<15	15	22	29	34	42	47	
		Throw	4-Way*	1-3-7	3-5-9	4-6-10	4-7-11	5-8-12	6-9-13	8-10-14	9-11-16
			4-Way	1-3-7	2-5-9	4-6-11	5-7-12	5-8-13	6-9-14	8-11-16	9-12-17
			3-Way	1-3-8	2-5-10	4-7-11	5-8-12	6-9-13	7-10-14	9-11-16	10-12-18
			2-Way	3-5-9	4-6-10	5-8-12	6-9-13	7-10-14	8-10-15	9-12-16	10-13-18
	1-Way	3-5-9	4-6-11	5-8-12	6-9-13	7-10-14	8-11-15	10-12-17	11-13-18		
12 x 12	CFM	300	400	500	600	700	800	1000	1200		
	Pt	.023	.040	.063	.090	.123	.160	.250	.360		
	NC	<15	<15	15	23	30	35	44	50		
	Throw	4-Way*	2-4-8	3-5-11	5-7-12	5-8-13	6-9-14	7-11-15	9-12-17	11-13-19	
		4-Way	2-4-8	3-6-11	4-7-13	6-8-15	7-10-16	7-11-17	9-13-19	11-15-21	
		3-Way	2-4-10	3-6-12	4-8-14	6-10-15	7-11-16	9-12-17	11-14-19	12-15-21	
		2-Way	3-6-11	5-8-12	6-10-14	8-11-15	9-12-16	10-12-18	11-14-20	12-15-21	
1-Way	3-6-11	5-8-13	6-10-14	8-11-16	9-12-17	10-13-18	12-14-20	13-16-22			
14 x 14	CFM	410	545	680	815	955	1090	1360	1635		
	Pt	.023	.041	.064	.092	.126	.164	.255	.369		
	NC	<15	<15	16	24	31	37	46	51		
	Throw	4-Way*	2-4-9	3-6-13	5-8-14	6-9-16	7-11-17	8-13-18	10-14-20	13-16-22	
		4-Way	2-4-10	3-7-13	5-8-15	7-10-17	8-11-18	9-13-20	11-15-22	13-17-24	
		3-Way	2-4-11	3-7-14	5-9-16	7-11-17	9-13-19	10-14-20	12-16-22	14-17-25	
		2-Way	4-7-13	6-9-14	7-11-16	9-13-18	10-14-19	12-14-20	13-16-23	14-18-25	
1-Way	4-7-13	6-9-15	7-11-17	9-13-18	10-14-20	12-15-21	14-17-23	15-18-26			
16" x 16"	CFM	535	710	890	1065	1245	1420	1780	2135		
	Pt	.026	.046	.073	.104	.143	.186	.291	.419		
	NC	<15	<15	16	24	33	39	49	53		
	Throw	4-Way*	2-5-11	4-7-14	6-9-16	7-11-18	8-13-19	10-14-21	12-16-23	14-18-25	
		4-Way	2-5-11	4-7-15	6-9-18	7-11-19	9-13-21	10-15-22	12-18-25	15-19-27	
		3-Way	2-5-13	4-9-16	6-11-18	9-13-20	10-15-21	11-16-23	14-18-26	16-20-28	
		2-Way	4-8-14	7-10-17	8-13-18	10-14-20	12-15-22	13-17-23	15-18-26	17-20-29	
1-Way	4-8-15	7-10-17	8-13-19	10-15-21	12-16-22	13-17-24	16-19-27	17-21-29			

**CEILING
DIFFUSERS**
**PERFORATED
CEILING DIFFUSERS**
XG-7500/XG-7550

SERIES XG-7500R PERFORMANCE DATA
MODEL XG-7500R

Neck Size	Duct Area ft ²	fpm Neck Velocity	300	400	500	600	700	800	900	1000
		Ps	-.023	-.041	-.064	-.092	-.126	-.165	-.209	-.259
06"	.19	CFM	60	80	100	115	135	155	175	195
		NC	-	-	-	-	-	13	16	19
08"	.35	CFM	105	140	175	210	245	280	315	350
		NC	-	-	-	14	18	21	24	27
10"	.55	CFM	165	220	270	325	380	435	490	545
		NC	-	-	-	14	18	21	24	27
12"	.79	CFM	235	315	390	470	550	630	705	785
		NC	-	-	12	16	20	24	27	29
14"	1.07	CFM	320	425	535	640	750	855	960	1070
		NC	-	-	14	19	23	26	29	32
16"	1.40	CFM	420	560	700	835	975	1115	1255	1395
		NC	-	12	16	21	25	28	31	34
18"	1.77	CFM	520	700	870	1045	1220	1395	1570	1740
		NC	12	16	18	23	25	29	33	36

SERIES XG-7550R PERFORMANCE DATA
MODEL XG-7550R

Neck Size	Duct Area ft ²	fpm Neck Velocity	300	400	500	600	700	800	900	1000	1100
		Ps	-.023	-.041	-.064	-.092	-.126	-.165	-.209	-.259	-.314
06 x 06	.25	CFM	58	77	96	116	135	154	173	192	212
		NC	-	-	13	16	18	21	22	24	25
08 x 08	.44	CFM	112	149	186	223	260	297	334	371	409
		NC	-	13	16	19	21	24	25	27	28
10 x 10	.69	CFM	178	237	296	355	414	473	532	591	651
		NC	-	15	18	21	23	25	27	29	30
12 x 12	1.00	CFM	265	353	441	529	617	705	793	881	970
		NC	12	16	20	23	25	27	29	31	32
14 x 14	1.36	CFM	366	488	510	732	854	975	1097	1219	1341
		NC	13	18	21	24	26	28	30	32	33
16 x 16	1.77	CFM	485	647	808	970	1131	1293	1454	1616	1777
		NC	15	19	22	25	28	30	32	33	35
22 x 22	3.36	CFM	942	1258	1589	1883	2196	2510	2823	3137	3450
		NC	17	22	25	28	31	33	34	36	38

PERFORMANCE NOTES FOR SERIES XG-7550R

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

DEFINITION OF UNITS

CFM Cubic Feet Per Minute (air)

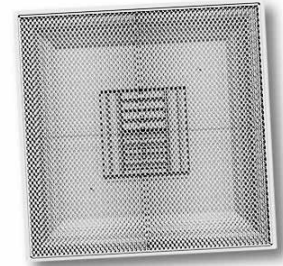
Nk Vel Neck Velocity of air stream in Feet Per Minute

Ps Negative Static Pressure (inches of water column)

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

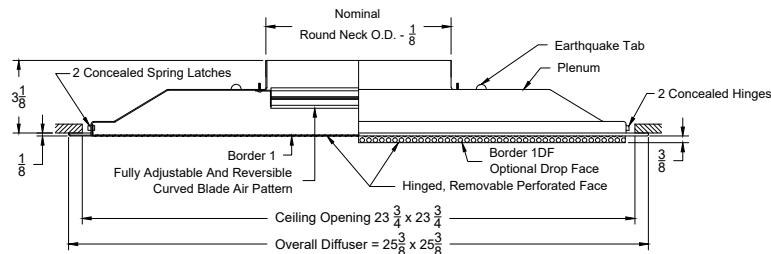
MODEL XG-7600/XG-7650

Model XG-7600/XG-7650 is available in both steel and aluminum construction. The hinged fully removable face allows access to the curve blade pattern controllers mounted in the neck of the diffuser. Air patterns are available in 1, 2, 3 and 4-way air patterns.

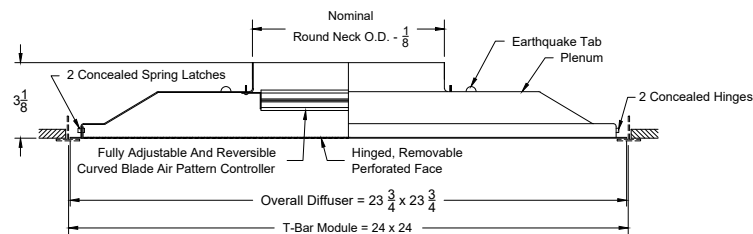


- Available in steel (Model XG-7600/XG-7650), steel backpan and aluminum face (Model XG-7600/XG-7650-AF) and aluminum (Model XG-7600/XG-7650-AL) construction
- Hinged fully removable face
- Pattern controllers available in 1, 2, 3 and 4-way air patterns
- Round neck (Model XG-7500)
- Square neck (Model XG-7550)
- Matching return available Model XG-7600/XG-7650R

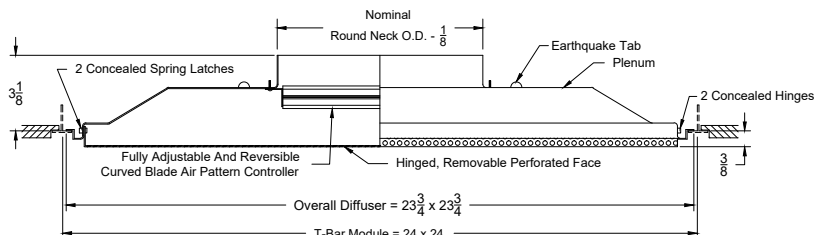
Models: XG-7600-1 (Steel Backpan & Face - Surface Mount)
 XG-7600-1 DF (Steel Backpan & Face - Drop Face - Surface Mount)
 XG-7600-1 AF (Steel Backpan & Aluminum Face - Surface Mount)



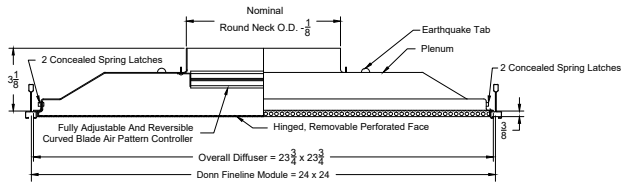
Models: XG-7600-6 (Steel Backpan & Face - Lay in T-Bar)
 XG-7600-6 AF (Steel Backpan & Aluminum Face - Lay in T-Bar)
 XG-7600-6 AL (Aluminum Backpan & Face - Lay in T-Bar)



Models: XG-7600-8 (Steel Backpan & Face - Tegular T-Bar)
 XG-7600-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar)
 XG-7600-8 AL (Aluminum Backpan & Face - Tegular T-Bar)

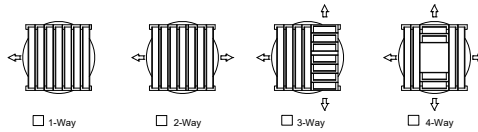


Model: XG-7600-9 (Steel Backpan & Face - Donn Finline Ceiling Grid)
XG-7600-9 AF (Steel Backpan & Aluminum Face - Donn Finline Ceiling Grid)

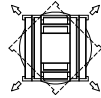


Available Round Inlets (For All Models): 6, 8, 10, 12, 14, 16

Option: Standard Air Patterns

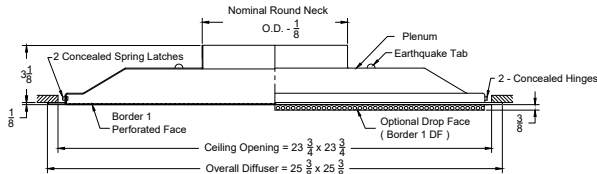


Option: Star Air Pattern

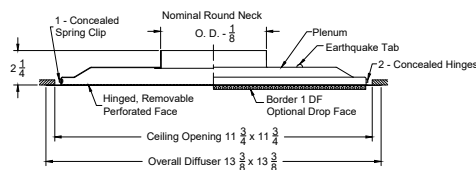


Changing 4-Way Air Pattern
To Star Pattern
Using Standard 4-Way Diffuser
Rotate Air Pattern Controller
45° For A More Radical "Star" Pattern

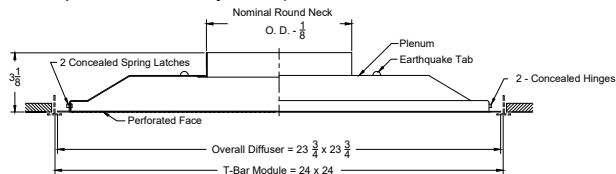
Models: XG-7600R-1 (Steel Backpan & Face - 24 x 24 Surface Mount)
XG-7600R-1 DF (Steel Backpan & Face - 24 x 24 Surface Mount - Drop Face)
XG-7600R-1 AF (Steel Backpan & Aluminum Face - 24 x 24 Surface Mount)



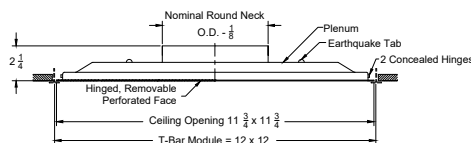
Models: XG-7600R-1 (Steel Backpan & Face - 12 x 12 Surface Mount)
XG-7600R-1 DF (Steel Backpan & Face - 12 x 12 Surface Mount - Drop Face)
XG-7600R-1 AF (Steel Backpan & Aluminum Face - 12 x 12 Surface Mount)



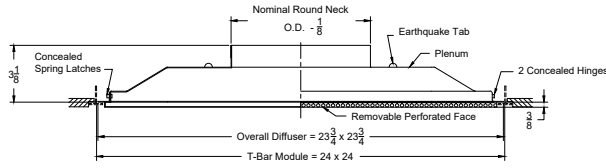
Models: XG-7600R-6 (Steel Backpan & Face - 24 x 24 Lay in T-Bar)
XG-7600R-6 AF (Steel Backpan & Aluminum Face - 24 x 24 Lay in T-Bar)
XG-7600R-6 AL (Aluminum Backpan & Face - 24 x 24 Lay in T-Bar)



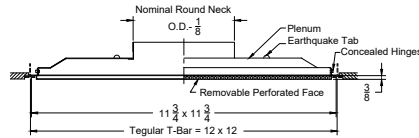
Models: XG-7600R-6 (Steel Backpan & Face - 12 x 12 Lay in T-Bar)
XG-7600R-6 AF (Steel Backpan & Aluminum Face - 12 x 12 Lay in T-Bar)



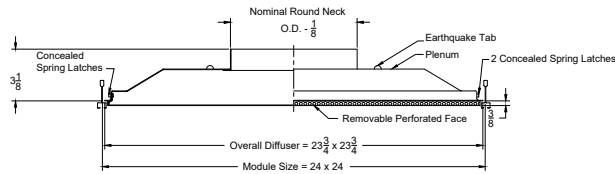
- Models: XG-7600R-8 (Steel Backpan & Face - 24 x 24 Tegular T-Bar)
 XG-7600R-8 AF (Steel Backpan & Aluminum Face - 24 x 24 Tegular T-Bar)
 XG-7600R-8 AL (Aluminum Backpan & Face - 24 x 24 Tegular T-Bar)



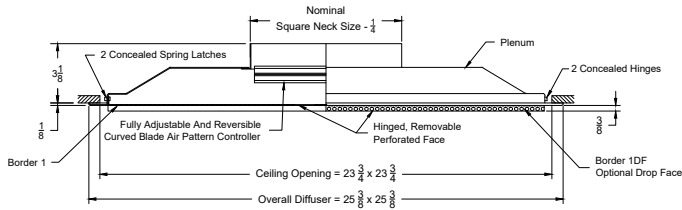
- Models: XG-7600R-8 (Steel Backpan & Face - 24 x 24 Tegular T-Bar)
 XG-7600R-8 AF (Steel Backpan & Aluminum Face - 24 x 24 Tegular T-Bar)
 XG-7600R-8 AL (Aluminum Backpan & Face - 24 x 24 Tegular T-Bar)



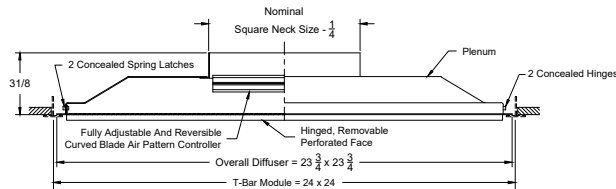
- Models: XG-7600R-9 (Steel Backpan & Face - 24 x 24 Donn Finline Ceiling Grid)
 XG-7600R-9 AF (Steel Backpan & Aluminum Face - 24 x 24 Donn Finline Ceiling Grid)



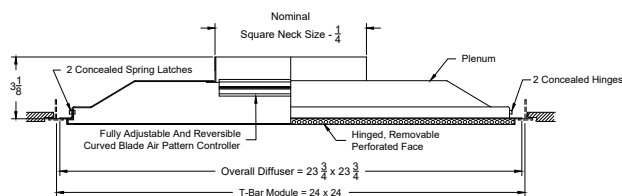
- Models: XG-7650-1 (Steel Backpan & Face - Surface Mount)
 XG-7650-1 DF (Steel Backpan & Face - Surface Mount - Drop Face)
 XG-7650-1 AF (Steel Backpan & Aluminum Face - Surface Mount)



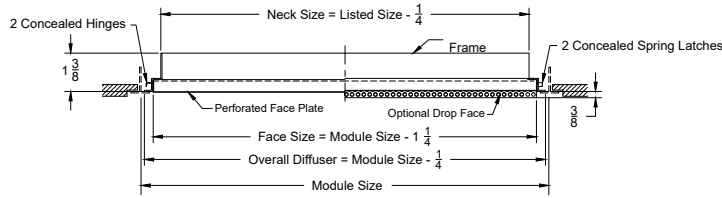
- Models: XG-7650-6 (Steel Backpan & Face - Lay in T-Bar)
 XG-7650-6 AF (Steel Backpan & Aluminum Face - Lay in T-Bar)
 XG-7650-6 AL (Aluminum Backpan & Face - Lay in T-Bar)



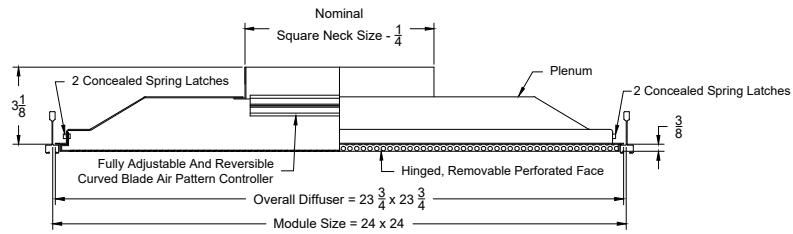
- Models: XG-7650-8 (Steel Backpan & Face - Tegular T-Bar)
 XG-7650-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar)
 XG-7650-8 AL (Aluminum Backpan & Face - Tegular T-Bar)



Models: XG-7650R-8 (Steel Backpan & Face - 24 x 24 Tegular T-Bar)
XG-7650R-8 AF (Steel Backpan & Aluminum Face - 24 x 24 Tegular T-Bar)
XG-7650R-8 AL (Aluminum Backpan & Face - 24 x 24 Tegular T-Bar)

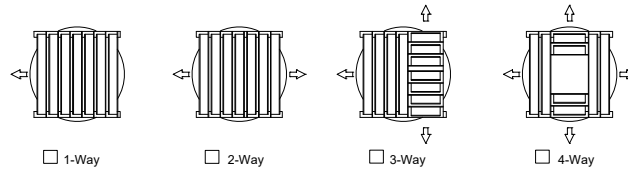


Model: XG-7650-9 (Steel Backpan & Face - Donn Finline Ceiling Grid)
XG-7650-9 AF (Steel Backpan & Aluminum Face - Donn Finline Ceiling Grid)

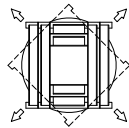


Available Neck Sizes (For All Models): 6 x 6, 8 x 8, 10 x 10, 12 x 12, 14 x 14 and 16 x 16

Option: Standard Air Patterns

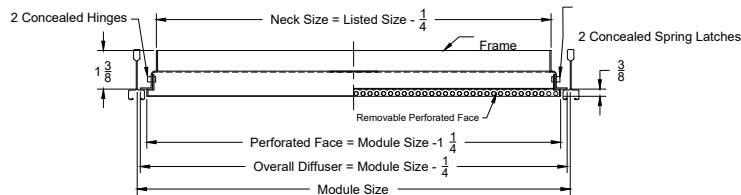


Option: Star Air Pattern

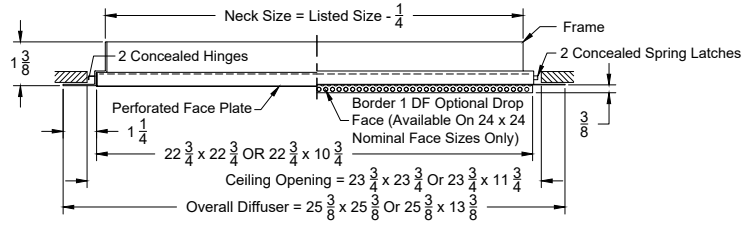


Changing 4-Way Air Pattern
To Star Pattern
Using Standard 4-Way Diffuser
Rotate Air Pattern Controller
45° For A More Radical "Star" Pattern

Models: XG-7650R-9 (Steel Backpan & Face - Donn Finline Ceiling Grid)
XG-7650R-9 AF (Steel Backpan & Aluminum Face - Donn Finline Ceiling Grid)

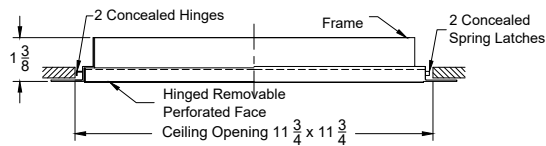


- Models: XG-7650R-1 (Steel Backpan & Face - 24 x 24 Surface Mount)**
XG-7650R-1 DF (Steel Backpan & Face - 24 x 24 Surface Mount - Drop Face)
XG-7650R-1 AF (Steel Backpan & Aluminum Face - 24 x 24 Surface Mount)

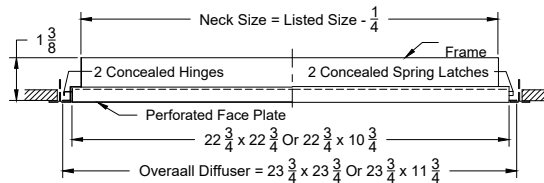


Available For 24 x 24 Ceiling Openings. 24 x 24 Return Available With 22 x 22 Neck Size.
 24 x 12 Return Available With 22 x 10 Neck Size Only.

- Models: XG-7650R-1 (Steel Backpan & Face - 12 x 12 Surface Mount)**
XG-7650R-1 DF (Steel Backpan & Face - 12 x 12 Surface Mount - Drop Face)
XG-7650R-1 AF (Steel Backpan & Aluminum Face - 12 x 12 Surface Mount)

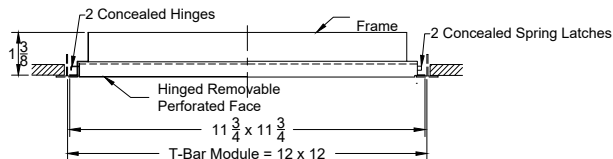


- Models: XG-7650R-6 (Steel Backpan & Face - 24 x 24 Lay in T-Bar)**
XG-7650R-6 AF (Steel Backpan & Aluminum Face - 24 x 24 Lay in T-Bar)
XG-7650R-6 AL (Aluminum Backpan & Face - 24 x 24 Lay in T-Bar)



Available For 24 x 24 And 24 x 12 T-Bar Lay-In Ceiling Grids.
 24 x 24 Return Available With 22 x 22 Neck Size.
 24 x 12 Return Available With 22 x 10 Neck Size Only.

- Models: XG-7650R-6 (Steel Backpan & Face - 12 x 12 Lay in T-Bar)**
XG-7650R-6 AF (Steel Backpan & Aluminum Face - 12 x 12 Lay in T-Bar)
XG-7650R-6 AL (Aluminum Backpan & Face - 12 x 12 Lay in T-Bar)



SERIES XG-7600/XG-7650 SPECIFICATIONS

SUPPLY – PERFORATED FACE-ROUND/ SQUARE NECK – ADJUSTABLE NECK MOUNTED CURVED BLADE PATTERN CONTROLLERS

STEEL – ALUMINUM FACE – STEEL BACKPAN – ALL ALUMINUM

XG-7600/XG-7650-1	Surface Mounted – Steel
XG-7600/XG-7650-1 AF	Surface Mounted – Aluminum Face
XG-7600/XG-7650-1 DF	Surface Mounted – Dropped Face
XG-7600/XG-7650-6	T-bar Lay-in – Steel
XG-7600/XG-7650-6 AF	T-bar Lay-in – Aluminum Face
XG-7600/XG-7650-6 AL	T-bar Lay-in – Aluminum
XG-7600/XG-7650-8	Tegular T-bar – Steel
XG-7600/XG-7650-8 AF	Tegular T-bar – Aluminum Face
XG-7600/XG-7650-8 AL	Tegular T-bar – Aluminum
XG-7600/XG-7650-9	Donn Fineline/Bolt Slot – Steel

- Air Diffusers shall be steel model XG-7600/XG-7650 or aluminum face, steel backpan model XG-7600/XG-7650-AF or all aluminum model XG-7600/XG-7650-AL manufactured by Greenheck.
- Units shall consist of a 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. The perforated face shall be removable allowing access to aluminum curved blade pattern with tension spring clips. Pattern controller blades shall be individually adjustable and allow the discharge pattern to be adjustable from vertical to horizontal. Pattern controller blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.
- Diffusers shall be available in 1, 2-way opposite, 2-way corner, 3, and 4-way directional air patterns.

RETURN – PERFORATED DIFFUSER – ROUND/SQUARE NECK

STEEL – ALUMINUM FACE – STEEL BACKPAN – ALL ALUMINUM

XG-7600R/XG-7650R-1	Surface Mounted – Steel
XG-7600R/XG-7650R-1 AF	Surface Mounted– Aluminum Face
XG-7600R/XG-7650R-1 DF	Surface Mounted – Dropped Face
XG-7600R/XG-7650R-6	T-bar Lay-in – Steel
XG-7600R/XG-7650R-6 AF	T-bar Lay-in – Aluminum Face
XG-7600R/XG-7650R-6 AL	T-bar Lay-in – Aluminum
XG-7600R/XG-7650R-8	Tegular T-bar – Steel
XG-7600R/XG-7650R-8 AF	Tegular T-bar – Aluminum Face
XG-7600R/XG-7650R-8 AL	Tegular T-bar – Aluminum
XG-7600R/XG-7650R-9	Donn Fineline/Bolt Slot – Steel

- Air Inlets shall be steel model XG-7600/XG-7650R or aluminum face, steel backpan model XG-7600/XG-7650R-AF or all aluminum model XG-7600/XG-7650R-AL manufactured by Greenheck.
- Units shall consist of aluminum 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. Units shall be designed for use in ducted return or exhaust applications.
- The perforated face shall be hinged allowing access to the inside of the backpan.
- The units shall be the size and quality outlined in the plans and specifications.
- Units shall be designed to integrate into the specified ceiling systems

Optional Dampers and Accessories

BUTTERFLY DAMPER

- Greenheck model XG-BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

RADIAL SHUTTER DAMPER

- Greenheck model XG-RSD steel round radial shutter damper shall be provided. Damper shall consist of gang-operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full close. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

OPPOSED BLADE DAMPER

- Greenheck model XG-D3 aluminum or XG-SD3 steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full close. Damper shall be adjusted with a screwdriver slot that can be accessed through the face of the diffuser.
- Greenheck model XG-OBDA aluminum or XG-OBDA steel opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screwdriver slot accessible by opening the face of the diffuser.

EQUALIZING GRID

- Greenheck model XG-G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.
- Greenheck model XG-L9 aluminum square equalizing grid shall be provided. Equalizing grid shall consist aluminum blades mounting in an aluminum frame.

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 de-ionized water rinse.

**XG-7600/XG-7650 MODEL NUMBER SPECIFICATION
PERFORATED CEILING DIFFUSER —
SUPPLY NECK MOUNTED PATTERN CONTROLLERS**

Model		RD Neck	SQ Neck	Module	Available Finishes	
XG-7600/XG-7650-1	Surface Mount	6	6 x 6	12 x 12	Standard	
XG-7600/XG-7650-1-DF	Surface Mount Drop Face	6	6 x 6	24 x 24	01	White
XG-7600/XG-7650-1-AF	Surface Mount Aluminum Face	8	8 x 8		Optional	
XG-7600/XG-7650-6	T-Bar Lay-in Steel	10	10 x 10		02	Satin Silver
XG-7600/XG-7650-6-AF	T-Bar Lay-in Aluminum Face	12	12 x 12		03	Black
XG-7600/XG-7650-6-AL	T-Bar Lay-in Aluminum	14	14 x 14		22	Black Back Pan
XG-7600/XG-7650-8	Tegular Steel	16	16 x 16		28	Custom Color
XG-7600/XG-7650-8-AF	Tegular Aluminum Face		22 x 22		Available Accessories	
XG-7600/XG-7650-8-AL	Tegular Aluminum				XG-G3	Equalizing Grid
XG-7600/XG-7650-9	Donn Finline / Bolt Slot Steel				XG-BDS	Butterfly Damper
				XG-RSD	Radial Shutter Damper	
				XG-D3	Aluminum Round Opposed Blade Damper	
				XG-SD3	Steel Round Opposed Blade Damper	
				XG-OBDA	Aluminum Opposed Blade Damper	

**XG-7600R/XG-7650R MODEL NUMBER SPECIFICATION
PERFORATED CEILING DIFFUSER — RETURN**

Model		Neck	SQ Neck	Module	Available Finishes	
XG-7600R/XG-7650R-1	Surface Mount	6 8	6 x 6	12 x 12	Standard	
XG-7600R/XG-7650R-1-DF	Surface Mount Drop Face	6	6 x 6	24 x 24	01	White
XG-7600R/XG-7650R-1-AF	Surface Mount Aluminum Face	8	8 x 8		Optional	
XG-7600R/XG-7650R-6	T-Bar Lay-in Steel	10	10 x 10		02	Satin Silver
XG-7600R/XG-7650R-6-AF	T-Bar Lay-in Aluminum Face	12	12 x 12		03	Black
XG-7600R/XG-7650R-6-AL	T-Bar Lay-in Aluminum	14	14 x 14		22	Black Back Pan
XG-7600R/XG-7650R-8	Tegular Steel	16	16 x 16		28	Custom Color
XG-7600R/XG-7650R-8-AF	Tegular Aluminum Face	18	22 x 22		Available Accessories	
XG-7600R/XG-7650R-8-AL	Tegular Aluminum				XG-G3	Equalizing Grid
XG-7600R/XG-7650R-9	Donn Finline / Bolt Slot Steel				XG-BDS	Butterfly Damper
				XG-RSD	Radial Shutter Damper	
				XG-D3	Aluminum Round Opposed Blade Damper	
				XG-SD3	Steel Round Opposed Blade Damper	
				XG-OBDA	Aluminum Opposed Blade Damper	

SERIES XG-7600 PERFORMANCE DATA

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
12 x 12	6	CFM	60	80	100	120	135	155	195	235	
		Pt	.015	.026	.041	.060	.075	.099	.157	.229	
		NC	<15	<15	<15	19	23	26	30	35	
		Throw	4-Way*	1-1-2	1-2-3	1-2-4	2-2-5	2-3-5	2-3-6	3-4-6	3-5-7
			4-Way	1-2-4	2-3-5	2-4-6	3-4-6	3-5-7	4-5-7	5-6-8	5-6-9
			3-Way	2-2-5	2-3-6	3-4-7	3-5-7	4-5-8	4-6-8	5-6-9	6-7-10
			2-Way	2-3-5	2-3-6	3-4-7	3-5-8	4-6-8	4-6-9	6-7-10	6-8-11
	1-Way	4-6-9	5-7-10	7-8-11	7-9-12	8-9-13	8-10-14	9-11-16	10-12-17		
	8	CFM	105	140	175	210	245	280	350	420	
		Pt	.016	.028	.044	.063	.086	.112	.175	.252	
		NC	<15	<15	<15	19	24	27	31	37	
		Throw	4-Way*	1-2-3	1-2-4	2-3-5	2-3-6	2-4-7	3-4-8	3-5-8	4-6-9
			4-Way	2-3-6	3-4-7	3-5-8	4-6-9	4-7-9	5-7-10	6-8-11	7-9-12
			3-Way	2-3-6	3-4-8	3-5-9	4-6-9	5-7-10	6-8-11	7-9-12	8-9-13
2-Way			2-3-7	3-5-9	4-6-10	5-7-11	5-8-11	6-9-12	8-10-14	9-11-15	
1-Way	5-8-12	7-9-13	9-11-15	9-12-16	10-12-18	11-13-19	12-15-21	13-16-23			
24 x 24	6	CFM	60	80	100	120	135	155	195	235	
		Pt	.015	.026	.041	.060	.075	.099	.157	.229	
		NC	<15	<15	<15	19	23	26	30	35	
		Throw	4-Way*	1-1-2	1-2-3	1-2-4	2-2-5	2-3-6	2-3-6	3-4-7	3-5-7
			4-Way	1-2-5	2-3-6	3-4-6	3-5-7	3-5-7	4-5-8	5-6-9	6-7-10
			3-Way	2-3-5	2-3-6	3-4-7	3-5-7	4-6-8	4-6-9	5-7-10	6-7-10
			2-Way	2-3-5	2-4-7	3-5-8	4-5-8	4-6-9	5-7-10	6-8-11	7-8-12
	1-Way	4-6-9	6-8-11	7-8-12	8-9-13	8-10-14	9-10-15	10-12-17	11-13-18		
	8	CFM	105	140	175	210	245	280	350	420	
		Pt	.016	.028	.044	.063	.086	.112	.175	.252	
		NC	<15	<15	<15	19	24	27	31	37	
		Throw	4-Way*	1-2-3	1-2-4	2-3-5	2-3-7	3-4-7	3-4-8	4-5-9	4-7-10
			4-Way	2-3-6	3-4-7	3-5-8	4-6-9	5-7-10	5-7-10	7-8-12	7-9-13
			3-Way	2-3-7	3-4-8	4-5-9	4-7-10	5-8-11	6-8-11	7-9-13	8-10-14
2-Way			2-4-7	3-5-9	4-6-10	5-7-11	6-8-12	6-9-13	8-10-14	9-11-16	
1-Way	5-8-12	7-10-14	9-11-16	10-12-17	11-13-19	11-14-20	13-16-22	14-17-24			

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7600/XG-7650

SERIES XG-7600 PERFORMANCE DATA

Module	Neck Size	<i>fpm Neck Velocity</i>	300	400	500	600	700	800	1000	1200	
		<i>Pv</i>	.006	.010	.016	.022	.031	.040	.062	.090	
24 x 24	10	CFM	165	220	275	325	380	435	545	655	
		Pt	.017	.030	.047	.066	.090	.118	.186	.268	
		NC	<15	<15	<15	20	25	29	34	39	
		Throw	4-Way*	1-2-4	2-3-5	2-3-7	3-4-8	3-5-9	4-5-10	5-7-11	5-8-12
			4-Way	2-4-8	3-5-9	4-6-10	5-7-11	6-9-12	7-9-13	8-10-15	9-11-16
			3-Way	3-4-8	4-6-10	5-7-11	5-8-12	6-9-13	7-10-14	9-11-16	10-12-18
			2-Way	3-4-9	4-6-11	5-7-13	6-9-14	7-10-15	8-11-16	10-13-18	11-14-20
	1-Way		7-10-15	9-12-18	11-14-20	12-15-21	13-16-23	14-18-25	16-20-28	18-21-30	
	12	CFM	235	315	395	470	550	630	785	940	
		Pt	.018	.033	.052	.074	.101	.133	.206	.295	
		NC	<15	<15	15	22	27	31	36	42	
		Throw	4-Way*	2-2-5	2-3-7	3-4-8	3-5-10	4-6-11	4-7-12	5-8-13	7-10-15
			4-Way	3-5-9	4-6-11	5-8-12	6-9-13	7-10-15	8-11-16	10-12-17	11-13-19
			3-Way	3-5-10	4-7-12	5-8-14	7-10-15	8-11-16	9-12-17	11-14-19	12-15-21
			2-Way	4-5-11	5-7-14	6-9-15	7-11-17	8-12-18	9-14-19	12-15-21	14-17-23
	1-Way		8-12-18	11-15-21	14-17-24	15-18-26	16-20-28	17-21-30	19-24-33	21-26-36	
	14	CFM	320	430	535	640	750	855	1070	1285	
		Pt	.017	.031	.048	.068	.094	.122	.191	.276	
		NC	<15	<15	16	24	29	33	38	44	
		Throw	4-Way*	2-3-6	3-4-8	3-5-10	4-6-11	4-7-13	5-8-14	6-10-16	8-11-17
			4-Way	3-5-11	5-7-13	6-9-14	7-11-16	8-12-17	9-13-18	12-14-20	13-16-22
			3-Way	4-6-11	5-8-14	6-10-16	8-11-17	9-13-19	10-14-20	13-16-22	14-17--25
			2-Way	4-6-12	6-8-16	7-10-18	8-12-19	10-15-21	11-16-22	14-18-25	16-19-27
	1-Way		9-14-21	13-17-25	16-19-27	17-21-30	19-23-33	20-25-35	22-27-39	25-30-43	
	16	CFM	420	560	700	840	975	1115	1395	1675	
		Pt	.019	.033	.052	.075	.101	.132	.206	.297	
		NC	<15	<15	17	25	30	34	39	46	
		Throw	4-Way*	2-3-7	3-4-9	4-5-11	4-7-13	5-8-15	6-9-16	7-11-18	9-13-20
4-Way			4-6-12	5-8-15	7-10-16	8-12-18	9-14-19	11-15-21	13-16-23	15-18-25	
3-Way			4-7-13	6-9-16	7-11-18	9-13-20	10-15-21	12-16-23	15-18-26	16-20-28	
2-Way			5-7-14	6-9-18	8-12-20	9-14-22	11-17-24	13-18-26	16-20-29	18+22-31	
1-Way	10-16-24		15-20-28	18-22-31	20-24-34	21-26-37	23-28-40	26-31-44	28-34-49		

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7600/XG-7650

SERIES XG-7650 PERFORMANCE DATA

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.006	.010	.016	.022	.031	.040	.062	.090	
12 x 12	6 x 6	CFM	75	100	125	150	175	200	250	300	
		Pt	.017	.031	.048	.070	.095	.124	.194	.279	
		NC	<15	<15	<15	16	21	25	30	36	
		Throw	4-Way*	1-1-3	1-2-3	1-2-4	2-3-5	2-3-6	2-3-6	3-4-7	3-5-8
			4-Way	1-2-5	2-3-6	3-4-7	3-5-7	4-6-8	4-6-8	5-7-9	6-7-10
			3-Way	2-3-5	2-4-7	3-4-7	4-5-8	4-6-9	5-7-9	6-7-10	7-8-11
			2-Way	2-3-6	3-4-7	3-5-8	4-6-9	4-7-10	5-7-10	6-8-11	7-9-13
			1-Way	4-7-10	6-8-11	7-9-13	8-10-14	9-11-15	9-11-16	10-13-18	11-14-20
		8 x 8	CFM	135	180	220	265	310	355	445	535
	Pt		.020	.036	.054	.079	.108	.141	.222	.321	
	NC		<15	<15	<15	16	21	25	30	36	
	Throw		4-Way*	1-1-3	1-2-4	2-2-5	2-3-6	2-3-6	2-4-7	3-5-8	4-6-8
			4-Way	2-3-5	2-3-6	3-4-7	3-5-8	4-6-8	5-6-9	6-7-10	6-8-11
			3-Way	2-3-6	2-4-7	3-5-8	4-6-8	4-6-9	5-7-10	6-8-11	7-8-12
			2-Way	2-3-6	3-4-8	3-5-9	4-6-9	5-7-10	5-8-11	7-9-12	8-9-13
			1-Way	4-7-10	6-8-12	8-9-13	8-10-15	9-11-16	10-12-17	11-13-19	12-15-21
	24 x 24		6 x 6	CFM	75	100	125	150	175	200	250
		Pt		.017	.031	.048	.070	.095	.124	.194	.279
NC		<15		<15	<15	16	21	25	30	36	
Throw		4-Way*		1-1-3	1-2-4	2-2-5	2-3-6	2-3-6	2-4-7	3-5-8	4-6-8
		4-Way		2-3-5	2-3-6	3-4-7	3-5-8	4-6-8	5-6-9	6-7-10	6-8-11
		3-Way		2-3-6	2-4-7	3-5-8	4-6-8	4-6-9	5-7-10	6-8-11	7-8-12
		2-Way		2-3-6	3-4-8	3-5-9	4-6-9	5-7-10	5-8-11	7-9-12	8-9-13
		1-Way		4-7-10	6-8-12	8-9-13	8-10-15	9-11-16	10-12-17	11-13-19	12-15-21
8 x 8		CFM		135	180	220	265	310	355	445	535
		Pt	.020	.036	.054	.079	.108	.141	.222	.321	
		NC	<15	<15	<15	16	21	25	30	36	
		Throw	4-Way*	1-2-4	2-2-5	2-3-6	2-4-7	3-4-8	3-5-9	4-6-10	5-7-11
			4-Way	2-3-7	3-5-8	4-6-9	5-7-10	5-8-11	6-8-12	8-9-13	8-10-14
			3-Way	2-4-7	3-5-9	4-6-10	5-7-11	6-9-12	7-9-13	8-10-14	9-11-16
			2-Way	3-4-8	4-5-10	4-7-11	5-8-12	6-9-13	7-10-14	9-11-16	10-12-18
			1-Way	6-9-14	8-11-16	10-12-18	11-14-19	12-15-21	13-16-22	14-18-25	16-19-27

**CEILING
DIFFUSERS**
**PERFORATED
CEILING DIFFUSERS**
XG-7600/XG-7650

SERIES XG-7650 PERFORMANCE DATA

Module	Neck Size	<i>fpm Neck Velocity</i>	300	400	500	600	700	800	1000	1200	
		<i>Pv</i>	.006	.010	.016	.022	.031	.040	.062	.090	
24 x 24	10 x 10	CFM	210	280	345	415	485	555	695	835	
		Pt	.023	.040	.061	.089	.089	.159	.249	.359	
		NC	<15	<15	<15	20	26	29	36	42	
		Throw	4-Way*	2-2-5	2-3-6	3-4-8	3-5-9	4-5-11	4-6-11	5-8-13	6-9-14
			4-Way	3-4-9	4-6-10	5-7-12	6-8-13	7-10-14	8-10-15	9-12-16	10-13-18
			3-Way	3-5-9	4-6-11	5-8-13	6-9-14	7-11-15	8-11-18	10-13-18	11-14-20
			2-Way	3-5-10	4-7-13	6-8-14	7-10-16	8-12-17	9-13-18	11-14-20	13-16-22
	1-Way		7-12-17	10-14-20	13-16-22	14-17-24	15-18-26	16-20-28	18-22-31	20-24-34	
	12 x 12	CFM	300	400	500	600	700	800	1000	1200	
		Pt	.023	.040	.063	.090	.123	.160	.250	.360	
		NC	<15	<15	<15	18	23	28	34	40	
		Throw	4-Way*	2-3-6	2-4-7	3-5-9	4-6-11	4-6-13	5-7-14	6-9-15	7-11-17
			4-Way	3-5-10	5-7-12	6-9-14	7-10-15	8-12-16	9-12-18	11-14-20	12-15-22
			3-Way	4-6-11	5-7-14	6-9-15	7-11-17	9-13-18	10-14-19	12-15-22	14-17-24
			2-Way	4-6-12	5-8-15	7-10-17	8-12-19	9-14-20	11-15-22	13-17-24	15-19-26
	1-Way		9-14-21	12-17-24	15-19-27	17-21-29	18-22-31	19-24-34	22-27-38	24-29-41	
	14 x 14	CFM	410	545	680	815	955	1090	1360	1630	
		Pt	.023	.040	.062	.089	.121	.159	.248	.356	
		NC	<15	<15	<15	21	28	33	41	49	
		Throw	4-Way*	2-3-6	3-4-9	4-5-11	4-6-13	5-7-15	6-9-16	7-11-18	9-13-19
			4-Way	4-6-12	5-8-15	7-10-16	8-12-18	9-14-19	11-15-21	13-16-23	15-18-25
			3-Way	4-7-13	6-9-16	7-11-18	9-13-20	10-15-21	12-16-23	14-18-25	16-20-28
			2-Way	5-7-14	6-9-18	8-12-20	9-14-22	11-16-24	12-18-25	16-20-28	18-23-31
	1-Way		10-16-24	14-20-28	18-23-31	20-24-34	21-26-37	23-28-29	25-31-44	28-34-48	
	16 x 16	CFM	535	710	890	1070	1245	1425	1780	2135	
		Pt	.027	.047	.074	.108	.146	.191	.298	.428	
		NC	<15	<15	15	23	30	35	42	50	
		Throw	4-Way*	2-4-7	3-5-10	4-6-12	5-7-15	6-9-17	7-10-18	8-12-20	10-15-22
4-Way			4-7-14	6-9-17	8-11-19	9-14-20	11-16-22	12-17-23	15-19-26	17-20-29	
3-Way			5-7-15	7-10-18	8-12-20	10-15-22	12-17-24	13-18-26	16-20-29	18-22-32	
2-Way			5-8-16	7-11-20	9-13-23	11-16-25	12-19-27	14-20-29	18-23-32	20-25-35	
1-Way	12-18-27		16-22-32	20-25-35	22-27-39	24-30-42	26-32-45	29-35-50	32-39-55		

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

XG-7600/XG-7650

PERFORMANCE NOTES FOR SERIES XG-7500/XG-7550/XG-7600/XG-7650

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

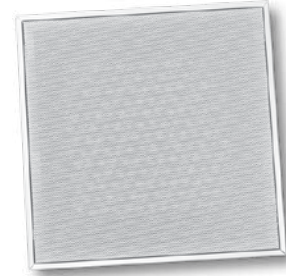
Ps Static pressure = $P_t - P_v$ (inches of water column)

Throw* Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

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

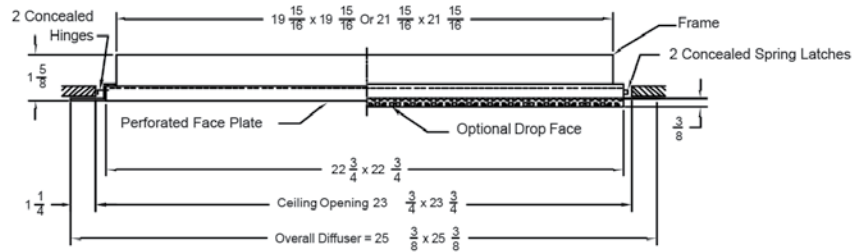
MODEL XG-7550R-F/ XG-7650R-F



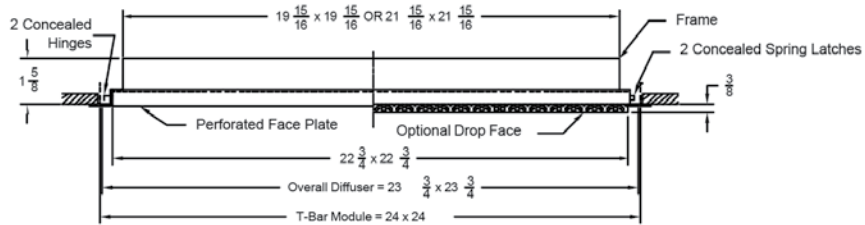
Model XG-7550R-F and XG-7650R-F are perforated return filter diffusers designed to be installed in standard T-Bar ceiling grids. The hinged perforated face allows access to the filter (by others). These units are available with a 1" or 2" filter rack.

- Steel construction
- Hinged face allows access to the filter (by others)

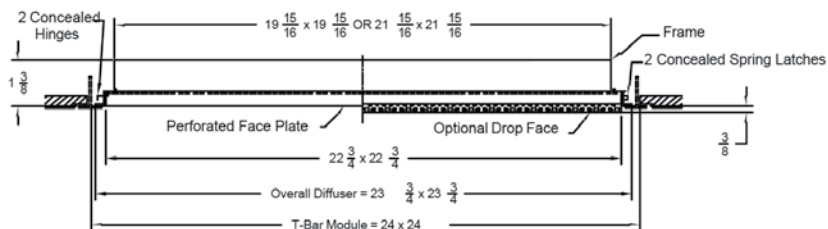
- Models: XG-7550R-1 F (Surface Mount - Filter Back)
XG-7650R-1 F (Surface Mount - Filter Back)



- Models: XG-7550R-6 F (Lay in T-Bar - Filter Back)
XG-7650R-6 F (Lay in T-Bar - Filter Back)



- Model: XG-550R-8 F (Tegular T-Bar Filter Back)
XG-7650R-8 F (Tegular T-Bar Filter Back)



Available in Nominal 24 x 24 Ceiling Openings.
20 x 20 or 22 x 22 Nominal Neck Sizes Only.
Accommodates Standard 1" Thick Disposable Air Filters.

SERIES XG-7550R - F/XG-7650R - F SPECIFICATIONS

EXHAUST/RETURN – FILTER GRILLES – PERFORATED FACE

XG-7550R-1 F	Surface Mounted
XG-7650R-1 F	Surface Mounted
XG-7550R-6 F	T-bar Lay-in
XG-7650R-6 F	T-bar Lay-in
XG-7550R-8 F	Tegular T-bar
XG-7650R-8 F	Tegular T-bar

- Air Inlets shall be steel model XG-7550R-F or XG-7650R-F perforated face filter return diffusers manufactured by Greenheck. Units shall consist of aluminum 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. Units shall include a hinged face and integral frame designed to accept a 1" or 2" thick filter. Face shall be secured in place with tension spring clips.
- The units shall be the size and quantity as outlined in the plans and specifications.
- Units shall be designed to integrate into the specified ceiling system.

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 de-ionized water rinse.

**XG-7550R-F MODEL NUMBER SPECIFICATION
PERFORATED CEILING DIFFUSER – SQUARE NECK**

<i>Model</i>		<i>Available Neck</i>	<i>Module</i>	<i>Available Finishes</i>	
<i>XG-7550R-1 F</i>	Surface Mount	20 x 20	24 x 24	Standard	
<i>XG-7650R-1 F</i>	Surface Mount	22 x 22		01	White
				Optional	
				02	Satin Silver
				03	Black
				22	Black BP/ White Face
				28	Custom Color
Available Accessories					
				XG-OBD	Steel Opposed Blade Damper
				XG-OBDA	Aluminum Opposed Blade Damper
Available Options					
				2FF	2" Filter Rack

<i>Model</i>		<i>Available Neck</i>	<i>Module</i>	<i>Available Finishes</i>	
<i>XG-7550R-6 F</i>	T-bar Lay-in	20 x 20	24 x 24	Standard	
<i>XG-7650R-6 F</i>	T-bar Lay-in	22 x 22		01	White
<i>XG-7550R-8 F</i>	Tegular T-bar			Optional	
<i>XG-7650R-8 F</i>	Tegular T-bar			02	Satin Silver
				03	Black
				22	Black BP/ White Face
				28	Custom Color
Available Accessories					
				XG-OBD	Steel Opposed Blade Damper
				XG-OBDA	Aluminum Opposed Blade Damper
Available Options					
				2FF	2" Filter Rack

SERIES XG-7550R-F/XG-7650R-F PERFORMANCE DATA
MODEL XG-7550R-F/XG-7650R-F

Neck Size	<i>fpm Neck Velocity</i>	300	400	500	600	700	800	900	1000
	<i>Ps</i>	.008	.015	.020	.030	.050	.060	.080	.080
6 x 6	CFM	75	100	120	150	175	200	225	250
8 x 8	CFM	130	175	220	265	310	350	400	445
10 x 10	CFM	210	275	345	415	485	555	625	695
12 X 12	CFM	300	400	500	600	700	800	900	1000
14 x 14	CFM	410	545	680	815	950	1090	1225	1360
16 x 16	CFM	530	710	885	1060	1240	1415	1600	1770
22 x 22	CFM	1010	1345	1680	2015	2350	2690	3025	3360

PERFORMANCE NOTES FOR SERIES XG-7550R-F/XG-7650R-F

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

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

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

Throw* Non-isothermal horizontal throw (supply air temperature 15°F colder than average room temperature); values are for 150, 100 and 50fpm velocities

Throw Isothermal throw (supply air temperature the same as average room temperature); values are for 150, 100 and 50fpm velocities

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

CEILING DIFFUSER ACCESSORIES



XG-900D
Butterfly Damper for Model 900 Diffuser

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XG-BDS
Steel Butterfly Damper

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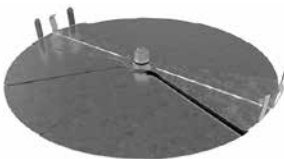
XG-D3
Aluminum Radial Opposed Blade Damper

PAGE 170



XG-SD3
Steel Radial Opposed Blade Damper

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XG-RSD
Radial Shutter Damper

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XG-D5/XG-D7
Opposed Blade Damper

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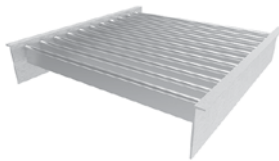
XG-OBDA
Aluminum Opposed Blade Damper

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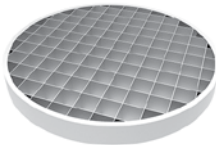
XG-OBD
Steel Opposed Blade Damper

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XG-L9
Square/Rectangular Equalizing Grid

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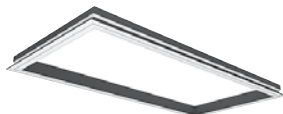
XG-G3
Round Equalizing Grid

PAGE 172



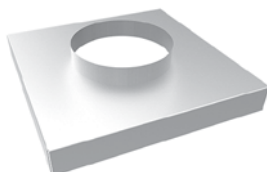
XG-GD3
Round Equalizing Grid

PAGE 173



XG-TBPF
T-bar Plaster Frames permit installation

PAGE 173



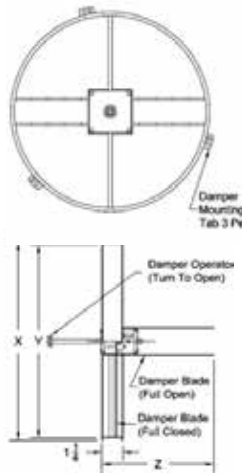
XG-TR/XG-TR DEEP
Deep Square to Round Transitions

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MODEL XG-900D

Model XG-900D opposed blade damper for model XG-900

- Butterfly style blades for sizes 6" to 12"
- 8 blade radial style for size 14"
- Blades adjusted through diffuser face
- Damper supplied with mounting hardware

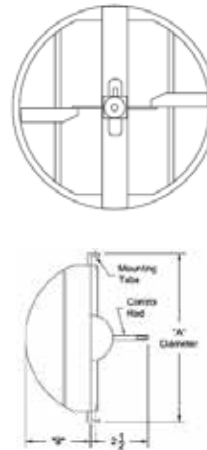


XG-900D & XG-900D* Models			
Damper Sizes	X	Y	Z
6	5 15/16	5 5/8	3
8	7 15/16	7 5/8	4
10	9 15/16	9 5/8	5
12	11 15/16	11 5/8	6
14	13 15/16	13 5/8	7

MODEL XG-BDS

Model XG-BDS butterfly damper

- Two butterfly style blades
- Blades are adjusted through the diffuser face

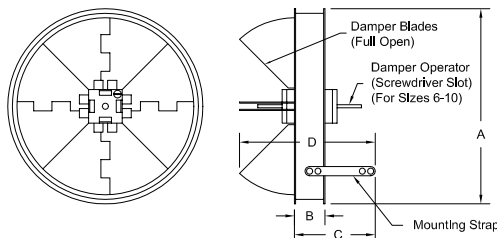


Diffuser Neck Size	XG-BDS Dimension	
	A	B
6	5 3/4	2 1/2
8	7 3/4	3 1/2
10	9 3/4	4 1/2
12	11 3/4	5 1/2
14	13 3/4	6 1/2
15	14 3/4	7
16	15 3/4	7 1/2

MODEL XG-D3

Model XG-D3 radial opposed blade damper

- For use in round diffusers
- Designed to provide full radial volume control resulting in lower than normal pressure losses
- Overlapping blade design ensures positive shut-off when required

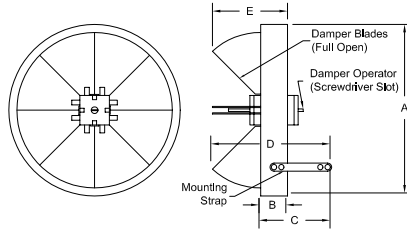


Size	A	B	C	D
6	5 7/8	1 1/4	3 1/4	4 3/4
8	7 7/8	1 1/4	3 3/4	5 1/4
10	9 7/8	1 1/4	3 3/4	6
12	11 7/8	2 1/8	3 7/8	6 5/8
14	13 7/8	2 1/8	3 7/8	7 1/8
16	15 7/8	2 1/8	3 7/8	8 7/8
18	17 7/8	2 1/8	3 7/8	9 3/8
20	19 7/8	2 1/8	3 7/8	9 7/8

MODEL XG-SD3

Model XG-SD3 radial opposed blade damper

- For use in round air diffusers
- Designed to provide full radial volume control resulting in lower than normal pressure losses
- Overlapping blade design ensures positive shut-off when required
- Steel construction

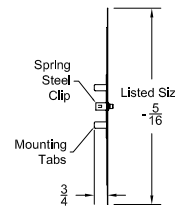
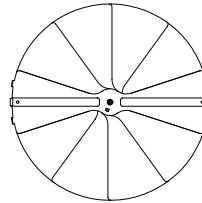


Size	A	B	C	D	E
6	5 7/8	1 1/8	3 7/8	4 1/8	2 1/8
8	7 7/8	1 7/8	3 7/8	4 7/8	2 7/8
10	9 7/8	1 7/8	3 7/8	5 5/8	3 5/8
12	11 7/8	1 7/8	3 5/8	6	4 1/4
14	13 7/8	1 7/8	3 5/8	6 3/4	5
16	15 7/8	1 7/8	3 5/8	7 3/8	5 5/8
18	17 7/8	1 7/8	3 5/8	8 1/8	6 3/8
20	19 7/8	1 7/8	3 5/8	8 7/8	7 7/16
24	23 7/8	1 7/8	3 5/8	7 3/4	6
30	29 7/8	1 7/8	6	11 5/8	7 1/2
36	35 7/8	1 7/8	6	13 1/8	9

MODEL XG-RSD

Model XG-RSD radial shutter damper

- Cost effective alternative to butterfly style damper
- Design permits very precise damper control and does not interfere with diffuser air patterns
- Steel construction

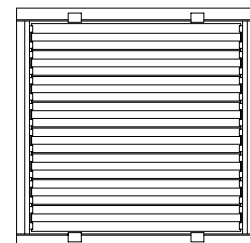
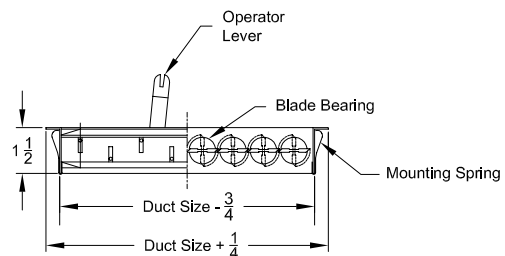


Available Sizes
6
8
10
12

MODEL XG-D5/XG-D7

Model XG-D5/XG-D7 opposed blade damper for XG-5000 and XG-7000

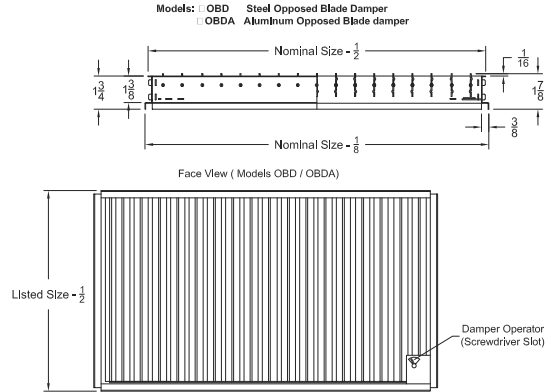
- For use with Series XG-5000, XG-D5, and Series XG-7000, XG-D7.
- Aluminum construction, XG-D5A/ XG-D7A
- Steel construction, XG-D5/XG-D7



MODEL XG-OBDA/XG-OBD

Model XG-OBDA/XG-OBD square/rectangular opposed blade damper

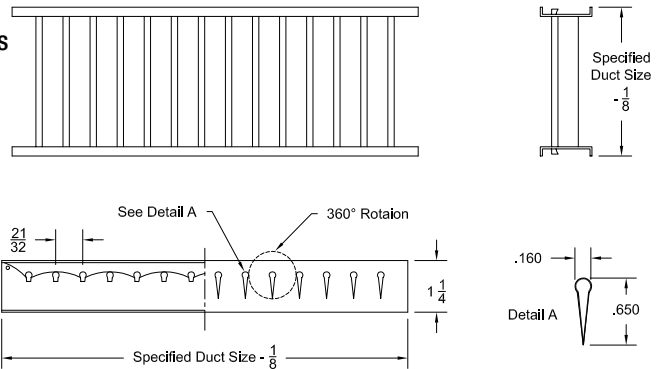
- Tapered blades set in a U-channel frame
- Opposed blades on 1" centers
- Screwdriver slot operator
- Aluminum construction, XG-OBDA
- Steel construction, XG-OBD



MODEL XG-L9

Model XG-L9 – Square/Rectangular Equalizing Grid

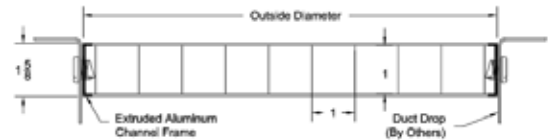
- Designed to provide uniform airflow in branch ducts
- Pre-tensioned blades adjust individually
- Aluminum construction



MODEL XG-G3

Model XG-G3 Round Equalizing Grid

- Aluminum construction
- Available in sizes from 6" to 24"

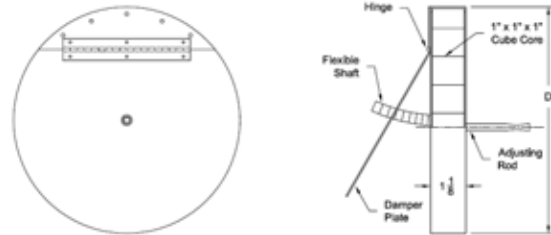


Diffuser Neck Diameter								
6	8	10	12	14	16	18	20	24
XG-G3 Outside Diameter								
5 3/4	7 3/4	9 3/4	11 3/4	13 3/4	15 3/4	17 3/4	19 3/4	23 3/4

MODEL XG-GD3

Model XG-GD3 Round Combination Grid and Damper

- For use with all diffusers
- Aluminum construction
- Sizes available from 6" to 20"

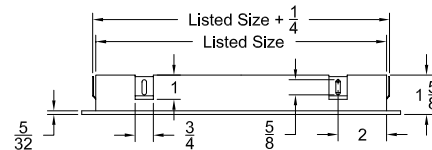


	Dimension							
Size	6	6	10	12	14	16	18	20
D	5 7/8	7 7/8	9 7/8	11 7/8	13 7/8	15 7/8	17 7/8	19 7/8

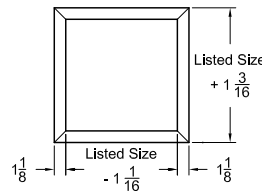
MODEL XG-TBPF

Model XG-TBPF T-bar Plaster Frames permit installation of T-bar frame style ceiling diffusers into plaster frame or gypsum ceilings, and are available in standard T-bar sizes.

- Converts T-bar frame to Surface Mount
- Available in aluminum, XG-TBPF, or steel, XG-STBPF, construction



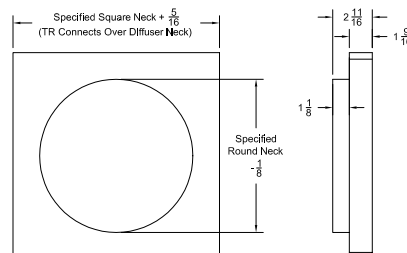
Available Size (XG-TBPF and XG-STBPF Models)	
Nominal	Overall
12 x 12	13 3/16 x 13 3/16
24 x 12	25 3/16 x 13 3/16
24 x 24	25 3/16 x 25 3/16
36 x 24	37 3/16 x 25 3/16
36 x 36	37 3/16 x 37 3/16
48 x 24	49 3/16 x 25 3/16
48 x 48	49 3/16 x 49 3/16
13 x 13	14 3/16 x 14 3/16



MODEL XG-TR/XG-TR DEEP

Model XG-TR/XG-TR Deep Square to Round Transitions

- Available for all ducted supply and return diffusers
- Provide economical means of adapting square neck diffusers to round neck connections
- TR Deep transitions provide additional depth to accommodate some dampers



Available Size	
Square Neck Size	Round Neck Size
6 x 6	4, 5 & 6
8 x 8	5, 6, 7 & 8
9 x 9	5, 6, 7, 8 & 9
10 x 10	5, 6, 7, 8, 9 & 10
12 x 12	5, 6, 7, 8, 9, 10, 11 & 12
14 x 14	5, 6, 7, 8, 9, 10, 11, 12 & 14
15 x 15	5, 6, 7, 8, 9, 10, 11, 12, 14 & 15
16 x 16	5, 6, 7, 8, 9, 10, 11, 12, 14, 15 & 16
18 x 18	5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 & 18
22 x 22	5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 18, 20 & 22

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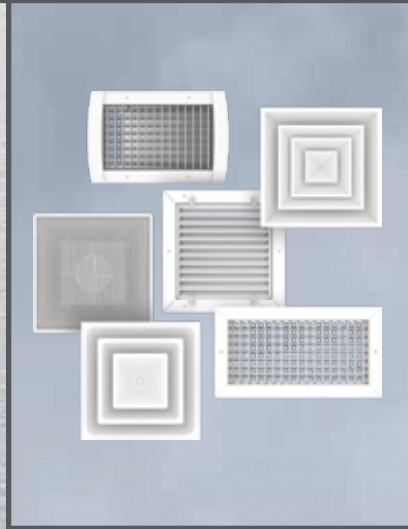


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