

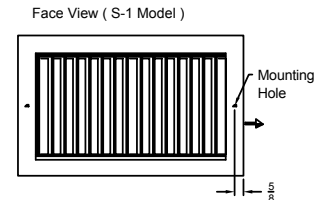
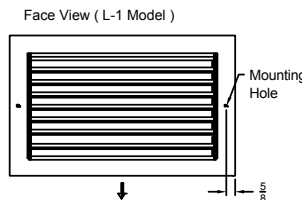
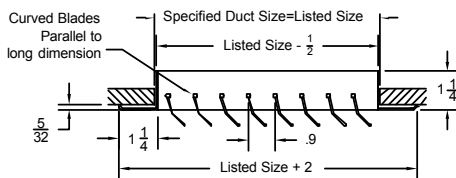
MODEL L

The L series of curved blade grilles and registers is an economical solution to applications requiring ceiling or sidewall installations with directional air patterns. The L series is constructed of corrosive resistant aluminum.

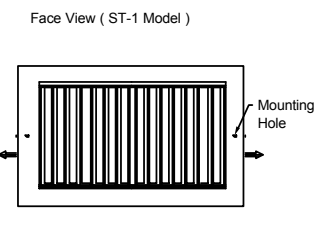
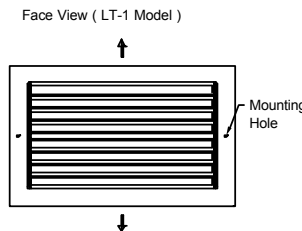
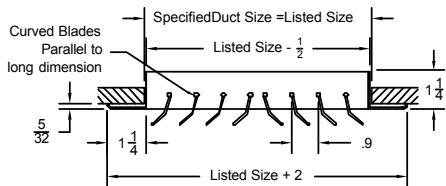
- Available in single or double deflection
- Available in 1-way, 2-way, 3-way or 4-way air patterns
- Full horizontal to vertical blow patterns
- Individually adjustable curved blades
- Available with opposed blade or multi-shutter damper



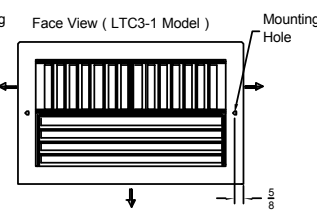
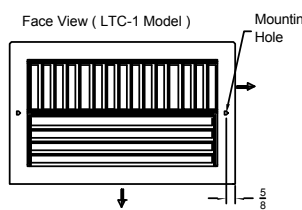
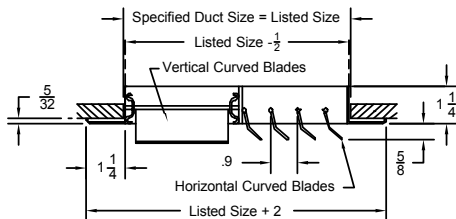
- Models: □ L-1 (One Way - Long Blades - Surface Mount)
□ S-1 (One Way - Short Blades - Surface Mount)



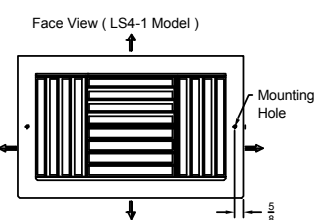
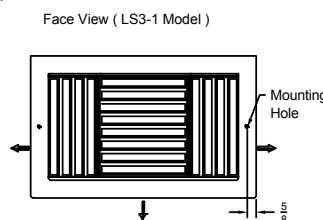
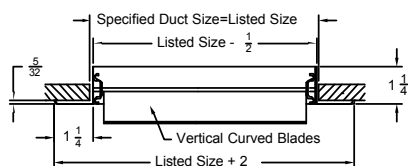
- Models: □ LT-1 (Two Way - Long Blades - Surface Mount)
□ ST-1 (Two Way - Short Blades - Surface Mount)



- Models: □ LTC-1 (Two Way Corner Blow Pattern - Surface Mount)
□ LTC3-1 (Three Way Corner Blow Pattern - Surface Mount)



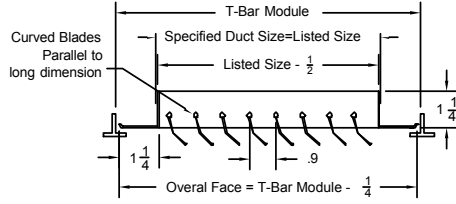
- Models: □ LS3-1 (Three Way Blow Pattern - Surface Mount)
□ LS4-1 (Four Way Blow Pattern - Surface Mount)



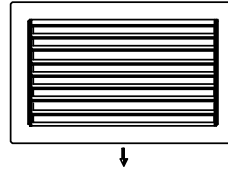
Note: Arrow shows air blow way.

METALAIRE™

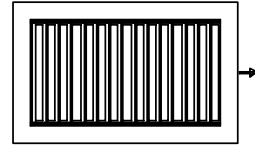
- Models: □ L-6 (One Way - Long Blades - Lay In T-Bar)
 □ S-6 (One Way - Short Blades - Lay In T-Bar)



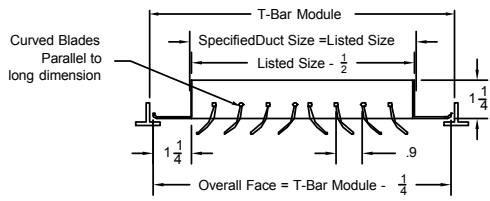
Face View (L-6 Model)



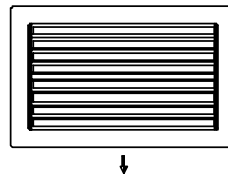
Face View (S-6 Model)



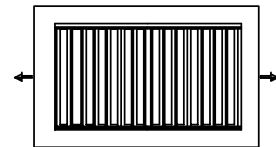
- Models: □ LT-6 (Two Way - Long Blades - Lay In T-Bar)
 □ ST-6 (Two Way - Short Blades - Lay In T-Bar)



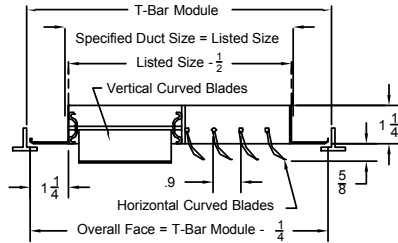
Face View (LT-6 Model)



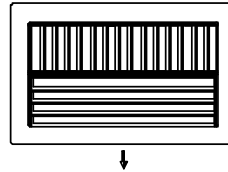
Face View (ST-6 Model)



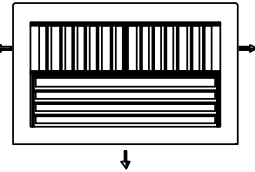
- Models: □ LTC-6 (Two Way Corner Blow Pattern - Lay In T-Bar)
 □ LTC3-6 (Three Way Corner Blow Pattern - Lay In T-Bar)



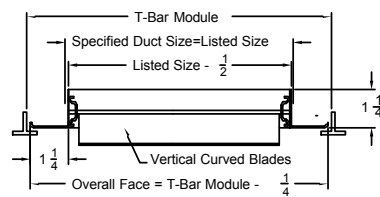
Face View (LTC-6 Model)



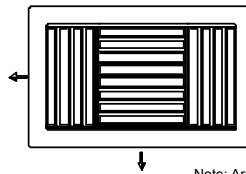
Face View (LTC3-6 Model)



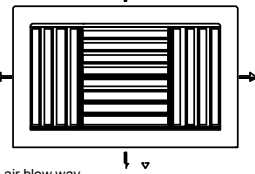
- Models: □ LS3-6 (Three Way Blow Pattern - Lay In T-Bar)
 □ LS4-6 (Four Way Blow Pattern - Lay In T-Bar)



Face View (LS3-6 Model)



Face View (LS4-6 Model)

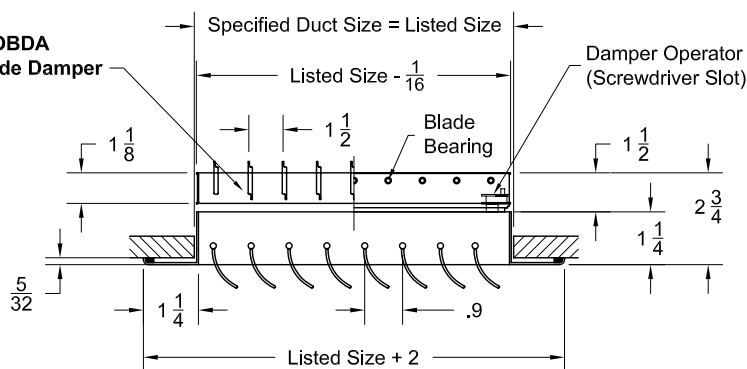


Note: Arrow shows air flow way.

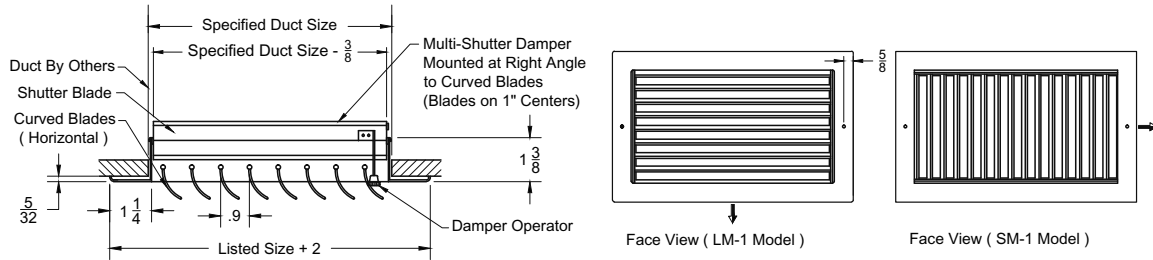
Options:

- OBD or □ OBDA

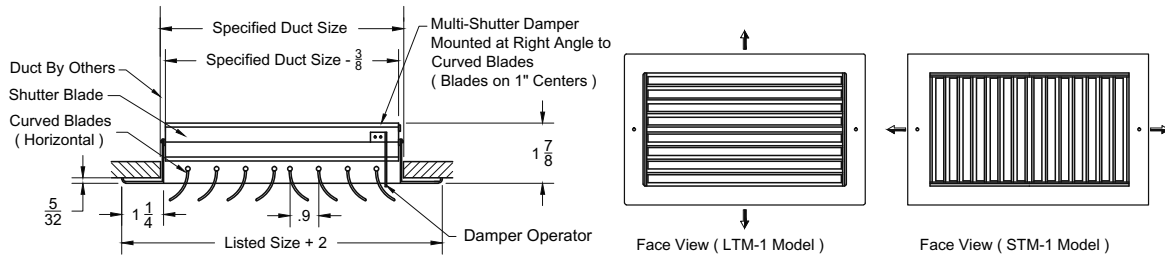
Opposed Blade Damper



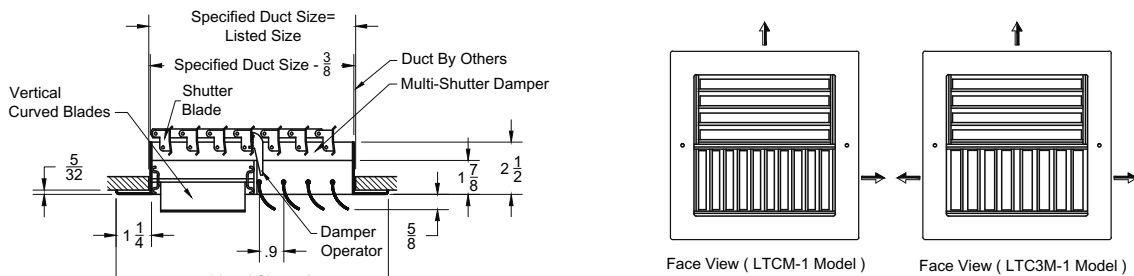
Models: LM-1 (Supply Register - One Way - Long Blades)
SM-1 (Supply Register - One Way - Short Blades)



Models: LTM-1 (Supply Register - Two Way - Long Blades)
STM-1 (Supply Register - Two Way - Short Blades)



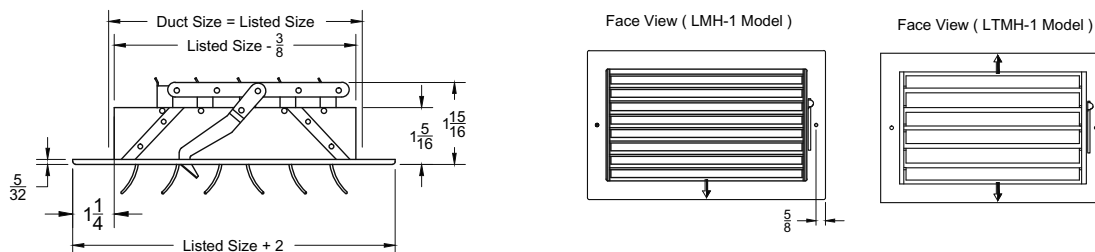
Models: LTCM-1 (Supply Register - Two Way - Horizontal Multi-Shutter Damper)
LTC3M-1 (Supply Register - Three Way - Horizontal Multi-Shutter Damper)



Note: Available in sizes 6 x 6, 8 x 8, 10 x 10, 12 x 12, 14 x 14 Only.

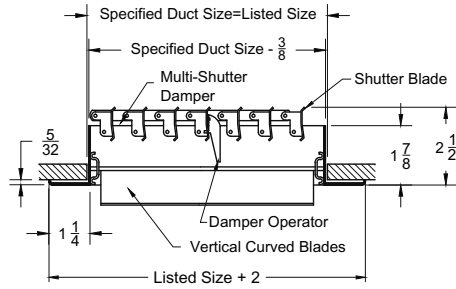
NOTE: Arrow shows air blow way.

Models: LMH-1 (Supply Register - One Way - Long Blades with Horizontal Multi-Shutter Damper)
LTMH-1 (Supply Register - Two Way - Long Blades with Horizontal Multi-Shutter Damper)



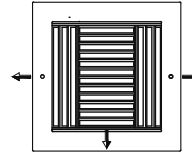
Only Available in Sizes: 6 x 4, 8 x 4, 10 x 4, 12 x 4, 14 x 4, 6 x 6, 8 x 6, 10 x 6, 12 x 6,
 14 x 6, 8 x 8, 10 x 8, 12 x 8, 14 x 8, 10 x 10 and 12 x 12

Models: LS3M-1 (Supply Register - Three Way - Corner Blow Pattern with Horizontal Multi-Shutter Damper)
LS4M-1 (Supply Register - Four Way - Corner Blow Pattern with Horizontal Multi-Shutter Damper)

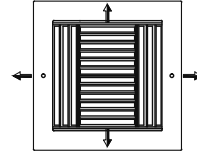


Note: Available in sizes 6 x 6, 8 x 8, 10 x 10, 12 x 12, 14 x 14 Only.

Face View (LS3M-1 Model)

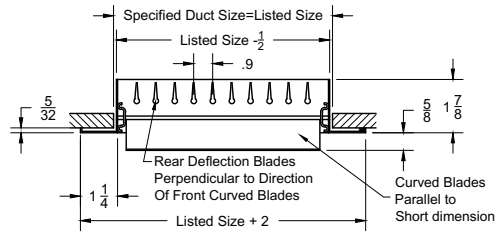


Face View (LS4M-1 Model)

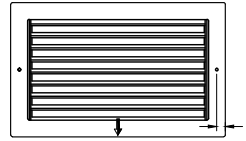


NOTE: Arrow shows air blow way.

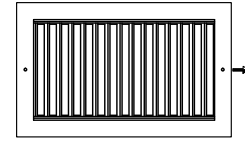
Models: LV-1 (One Way - Long Front Blades - Rear Horizontal Blades)
SH-1 (One Way - Short Front Blades - Rear Vertical Blades)



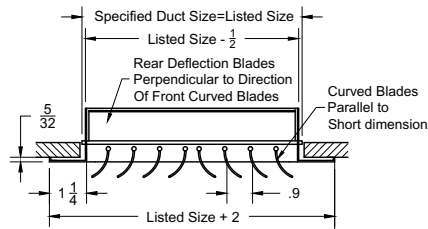
Face View (LV-1 Model)



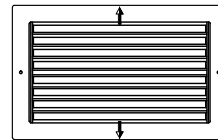
Face View (SH-1 Model)



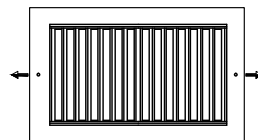
Models: LTV-1 (Two Way - Long Front Blades - Rear Vertical Blades)
STH-1 (Two Way - Short Front Blades - Rear Horizontal Blades)



Face View (LTV-1 Model)



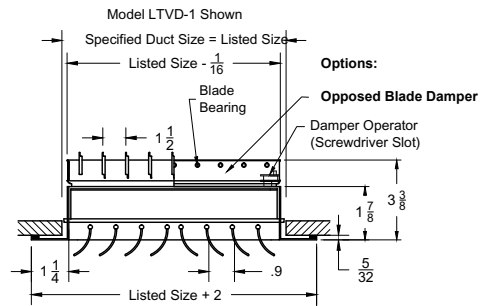
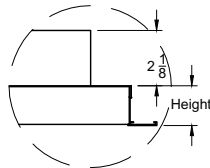
Face View (STH-1 Model)



Note: Arrow shows air blow way.

Options: OBD/OBDA

TR Transition Square / Rectangular To Round



SERIES L SPECIFICATIONS

SUPPLY — CURVED BLADE — ALUMINUM — MODELS L/S/LT/ST/LTC/LTC3/LS3/ LS4/LM/SM/LV/SH/LTV/STH

- Air inlets shall be models L/S/LT/ST/LTC/LTC3/LS3/LS4/LM/SM/LV/SH/LTV/STH manufactured by METALAIRE. Units shall be curved blade supply grilles of aluminum construction with an extruded border and curved deflection blades. Units with rear deflector blades shall be models LV/SH/LTV/STH.
- Units shall be available in 1-, 2-, 3- or 4-way directional air patterns. Blades shall be adjustable from full horizontal to vertical. 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 .9" center. Deflector blades shall be individually adjustable. The blade 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. The units shall be designed for surface mounting with screw holes in the face and for lay-in applications.
- Optional opposed blade damper shall be constructed of steel (Model OBD) or aluminum (Model OBDA).
- Optional multi-shutter damper shall be provided for models LM/SM/LTM/STM/LTCM.
- 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.

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — SURFACE MOUNT

Model		Neck											
		6	8	10	12	14	16	18	20	22	24	26	
L-1	One-Way Long Blades												
S-1	One-Way Short Blades	4	X	X	X	X	X	X	X	X	X	X	
LT-1	Two-Way Long Blades	5	X	X	X	X	X	X	X	X	X	X	
ST-1	Two-Way Short Blades	6	X	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	
		12				X	X	X	X	X	X	X	
		14					X	X	X	X	X	X	
		16						X	X	X	X	X	
		18							X	X	X	X	
		20								X	X	X	
		22									X	X	
		24										X	
		26											

Model		Neck											
		28	30	32	34	36	38	40	42	44	46	48	
L-1	One-Way Long Blades												
S-1	One-Way Short Blades	4	X	X	X	X	X	X	X	X	X	X	
LT-1	Two-Way Long Blades	5	X	X	X	X	X	X	X	X	X	X	
ST-1	Two-Way Short Blades	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	

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

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — SURFACE MOUNT

Model		Neck											
		28	30	32	34	36	38	40	42	44	46	48	
L-1	One-Way Long Blades												
S-1	One-Way Short Blades	28	X	X	X	X	X	X	X	X	X	X	X
LT-1	Two-Way Long Blades	30		X	X	X	X	X	X	X	X	X	X
ST-1	Two-Way Short Blades	32			X	X	X	X	X	X	X	X	X
		34				X	X	X	X	X	X	X	X
		36					X	X	X	X	X	X	X
		38						X	X	X	X	X	X
		40							X	X	X	X	X
		42								X	X	X	X
		44									X	X	X
		46										X	X
		48											X

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

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — SURFACE MOUNT

Model		Neck											
		6	8	10	12	14	16	18	20	22	24	26	
LTC-1	Two-Way Corner Blow Pattern												
LTC-3-1	Three-Way Corner Blow Pattern	4	X	X	X	X	X	X	X	X	X	X	
LS3-1	Three-Way Blow Pattern	5	X	X	X	X	X	X	X	X	X	X	
LS4-1	Four-Way Blow Pattern	6	X	X	X	X	X	X	X	X	X	X	
LV-1	One-Way Long Blades with Rear Vertical Blades	8		X	X	X	X	X	X	X	X	X	
SH-1	One-Way Short Blades with Rear Horizontal Blades	10			X	X	X	X	X	X	X	X	
LTV-1	Two-Way Long Blades with Rear Vertical Blades	12				X	X	X	X	X	X	X	
STH-1	Two-Way Short Blades with Rear Horizontal Blades	14					X	X	X	X	X	X	
		16						X	X	X	X	X	
		18							X	X	X	X	
		20								X	X	X	
		22									X	X	
		24										X	
		26											X

Model		Neck										
		28	30	32	34	36	38	40	42	44	46	48
LTC-1	Two-Way Corner Blow Pattern											
LTC-3-1	Three-Way Corner Blow Pattern	6	X	X	X	X	X	X	X	X	X	X
LS3-1	Three-Way Blow Pattern	8	X	X	X	X	X	X	X	X	X	X
LS4-1	Four-Way Blow Pattern	10	X	X	X	X	X	X	X	X	X	X
LV-1	One-Way Long Blades with Rear Vertical Blades	12	X	X	X	X	X	X	X	X	X	X
SH-1	One-Way Short Blades with Rear Horizontal Blades	14	X	X	X	X	X	X	X	X	X	X
LTV-1	Two-Way Long Blades with Rear Vertical Blades	16	X	X	X	X	X	X	X	X	X	X
STH-1	Two-Way Short Blades with Rear Horizontal Blades	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

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

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — SURFACE MOUNT

Model		Neck											
		28	30	32	34	36	38	40	42	44	46	48	
LTC-1	Two-Way Corner Blow Pattern												
LTC-3-1	Three-Way Corner Blow Pattern	28	X	X	X	X	X	X	X	X	X	X	
LS3-1	Three-Way Blow Pattern	30		X	X	X	X	X	X	X	X	X	
LS4-1	Four-Way Blow Pattern	32			X	X	X	X	X	X	X	X	
LV-1	One-Way Long Blades with Rear Vertical Blades	34				X	X	X	X	X	X	X	
SH-1	One-Way Short Blades with Rear Horizontal Blades	36					X	X	X	X	X	X	
LTV-1	Two-Way Long Blades with Rear Vertical Blades	38						X	X	X	X	X	
STH-1	Two-Way Short Blades with Rear Horizontal Blades	40							X	X	X	X	
		42								X	X	X	
		44									X	X	
		46										X	
		48											X

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

Available Options	
NSH	No Screw Holes
CM	Concealed Mounting

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — LAY-IN

Model		Neck										Module		
L-6	One-Way Long Blades	4	6	8	10	12	14	16	18	20	22	24	12 x 12	
S-6	One-Way Short Blades	4	X	X										
LT-6	Two-Way Long Blades	6	X	X										
ST-6	Two-Way Short Blades	8	X	X										
		10			X									
		4	X	X	X	X	X	X	X	X			24 x 12	
		6	X	X	X	X	X	X	X	X				
		8	X	X	X	X	X	X	X	X				
		10									X			
		4	X	X	X	X	X	X	X	X			24 x 24	
		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	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		

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

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — LAY-IN

Model		Neck											Module
		4	6	8	10	12	14	16	18	20	22	24	
L-6	One-Way Long Blades												
S-6	One-Way Short Blades	4	X	X	X	X	X	X	X	X	X	X	X
LT-6	Two-Way Long Blades	6	X	X	X	X	X	X	X	X	X	X	X
ST-6	Two-Way Short Blades	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		

48 x 48

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

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — LAY-IN

Model		Neck												Module
L-6	One-Way Long Blades		26	28	30	32	34	36	38	40	42	44	46	
S-6	One-Way Short Blades	4	X	X	X	X	X	X	X	X	X	X	X	48 x 24
LT-6	Two-Way Long Blades	6	X	X	X	X	X	X	X	X	X	X		
ST-6	Two-Way Short Blades	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	
		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		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		L9	Equalizing Grid
02	Satin Silver	TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	TR	Square to Round Transition
28	Custom Color	TR Deep	Deep Square to Round Transition

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — LAY-IN

Model												Module	
LTC-6	Two-Way Corner Blow Pattern	6	8	10	12	14	16	18	20	22	24		
LTC3-6	Three-Way Corner Blow Pattern	4		X									12 x 12
LS3-6	Three-Way Blow Pattern	6	X	X									
LS4-6	Four-Way Blow Pattern	8	X	X									
LV-6	One-Way Long Blades with Rear Vertical Blades	10			X								
SH-6	One-Way Short Blades with Rear Horizontal Blades	4		X	X	X	X	X	X	X	24 x 12		
LTV-6	Two-Way Long Blades with Rear Vertical Blades	6	X	X	X	X	X	X	X	X			
STH-6	Two-Way Short Blades with Rear Horizontal Blades	8	X	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	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	48 x 24		
		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		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		L9	Equalizing Grid
02	Satin Silver	TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	TR	Square to Round Transition
28	Custom Color	TR Deep	Deep Square to Round Transition

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — LAY-IN

Model		Neck										Module	
		6	8	10	12	14	16	18	20	22	24		
LTC-6	Two-Way Corner Blow Pattern												48 x 48
LTC3-6	Three-Way Corner Blow Pattern	4	X	X	X	X	X	X	X	X	X	X	
LS3-6	Three-Way Blow Pattern	6	X	X	X	X	X	X	X	X	X	X	
LS4-6	Four-Way Blow Pattern	8	X	X	X	X	X	X	X	X	X	X	
LV-6	One-Way Long Blades with Rear Vertical Blades	10	X	X	X	X	X	X	X	X	X	X	
SH-6	One-Way Short Blades with Rear Horizontal Blades	12	X	X	X	X	X	X	X	X	X	X	
LTV-6	Two-Way Long Blades with Rear Vertical Blades	14	X	X	X	X	X	X	X	X	X	X	
STH-6	Two-Way Short Blades with Rear Horizontal Blades	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		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		L9	Equalizing Grid
02	Satin Silver	TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	TR	Square to Round Transition
28	Custom Color	TR Deep	Deep Square to Round Transition

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY GRILLE — LAY-IN

Model		Neck											Module	
		26	28	30	32	34	36	38	40	42	44	46		
LTC-6	Two-Way Corner Blow Pattern												48 x 24	
LTC3-6	Three-Way Corner Blow Pattern	4	X	X	X	X	X	X	X	X	X	X		
LS3-6	Three-Way Blow Pattern	6	X	X	X	X	X	X	X	X	X	X		
LS4-6	Four-Way Blow Pattern	8	X	X	X	X	X	X	X	X	X	X		
LV-6	One-Way Long Blades with Rear Vertical Blades	10	X	X	X	X	X	X	X	X	X	X		
SH-6	One-Way Short Blades with Rear Horizontal Blades	12	X	X	X	X	X	X	X	X	X	X		
LTV-6	Two-Way Long Blades with Rear Vertical Blades	14	X	X	X	X	X	X	X	X	X	X		
STH-6	Two-Way Short Blades with Rear Horizontal Blades	16	X	X	X	X	X	X	X	X	X	X		
		18	X	X	X	X	X	X	X	X	X	X	48 x 48	
		20	X	X	X	X	X	X	X	X	X	X		
		22												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	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		OBD	Steel Opposed Blade Damper
01	White	OBDA	Aluminum Opposed Blade Damper
Optional		L9	Equalizing Grid
02	Satin Silver	TBPF	T-bar Plaster Frame
03	Black	IS	Insect Screen
24	Mill	TR	Square to Round Transition
28	Custom Color	TR Deep	Deep Square to Round Transition

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY WITH MULTI-SHUTTER DAMPER

Model		Neck											Available Finishes	
LM-1	One-Way Long Blades		6	8	10	12	14	16	18	20	22	24	Standard	
SM-1	One-Way Short Blades	4	X	X	X	X	X	X	X	X	X	X	01	White
LTM-1	Two-Way Long Blades	5	X	X	X	X	X	X	X	X	X	X	Optional	
STM-1	Two-Way Short Blades	6	X	X	X	X	X	X	X	X	X	X	02	Satin Silver
		8		X	X	X	X	X	X	X	X	X	03	Black
		10			X	X	X	X	X	X	X	X	24	Mill
		12				X	X	X	X	X	X	X	28	Custom Color
		14					X	X	X	X	X	X		
		16						X	X	X	X	X		
		18							X	X	X	X		
		20								X	X	X		
		22									X	X		
		24										X		

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY WITH HORIZONTAL MULTI-SHUTTER DAMPER

Model		Neck						Available Finishes	
LMH-1	One-Way Long Blades		6	8	10	12	14	Standard	
LTMH-1	Two-Way Long Blades	4	X	X	X	X	X	01	White
		6	X	X	X	X	X	Optional	
		8		X	X	X	X	02	Satin Silver
		10			X			03	Black
		12				X		24	Mill
								28	Custom Color

L MODEL NUMBER SPECIFICATION

ALUMINUM CEILING CURVED BLADE SUPPLY WITH HORIZONTAL MULTI-SHUTTER DAMPER

Model		Neck						Available Finishes	
LTCM-1	One-Way Corner Blow		6	8	10	12	14	Standard	
LTC3M-1	Three-Way Corner Blow	6	X					01	White
LS3M-1	Three-Way Blow	8		X				Optional	
LS4M-1	Four-Way Blow	10			X			02	Satin Silver
		12				X		03	Black
		14					X	24	Mill
								28	Custom Color

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	150	200	250	300	350	400
06x04	Ac ft ² 0.17	CFM	17	25	34	42	50	58	67
		Ps	.006	.013	.024	.037	.053	.072	.093
		NC	-	-	-	13	18	22	26
	Throw		4-4-3-3	7-6-5-5	9-8-7-6	11-10-8-8	13-12-10-9	15-14-12-11	18-15-13-12
06x06	Ac ft ² 0.25	CFM	25	38	50	63	75	88	100
		Ps	.005	.011	.020	.031	.045	.062	.081
		NC	-	-	-	13	18	22	25
	Throw		6-6-5-4	10-8-7-7	13-11-10-9	16-14-12-11	19-17-14-13	22-19-17-16	25-22-19-18
08x08 10x06 12x05	Ac ft ² 0.42	CFM	45	67	89	112	134	156	178
		Ps	.004	.010	.018	.028	.040	.054	.070
		NC	-	-	-	13	18	22	25
	Throw		7-6-5-5	11-10-8-8	14-13-11-10	18-16-14-13	22-19-16-15	25-22-19-18	29-25-22-20
12x06	Ac ft ² 0.50	CFM	50	75	100	125	150	175	200
		Ps	.004	.010	.018	.027	.039	.054	.070
		NC	-	-	-	13	18	22	26
	Throw		7-6-5-5	10-9-7-7	13-12-10-9	16-14-12-12	20-17-15-16	23-20-17-16	26-23-20-18
10x08 14x06	Ac ft ² 0.56	CFM	56	84	111	139	167	194	222
		Ps	.004	.010	.017	.028	.038	.051	.067
		NC	-	-	-	13	18	22	25
	Throw		7-6-5-5	10-9-8-7	14-12-10-10	17-15-13-12	20-18-15-14	24-21-18-17	27-24-20-19
10x10 12x08 16x06	Ac ft ² 0.69	CFM	70	104	139	174	209	243	278
		Ps	.004	.009	.016	.025	.036	.049	.065
		NC	-	-	-	13	18	22	26
	Throw		8-7-6-6	12-11-9-8	16-14-12-11	20-18-15-14	24-21-18-17	28-25-21-20	32-28-24-22
14x08 18x06	Ac ft ² 0.77	CFM	78	117	156	195	233	272	311
		Ps	.004	.009	.016	.025	.036	.049	.064
		NC	-	-	-	14	18	22	26
	Throw		8-7-6-5	12-10-9-8	16-14-12-11	20-17-15-14	23-20-18-16	27-24-20-19	31-27-23-22
12x10 20x06	Ac ft ² 0.83	CFM	83	125	166	208	250	291	333
		Ps	.004	.009	.016	.024	.035	.048	.063
		NC	-	-	-	14	18	22	26
	Throw		8-7-6-6	12-10-9-8	16-14-12-11	20-17-15-14	24-21-18-17	28-24-21-20	32-28-24-22

CONTINUED

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	150	200	250	300	350	400
16x08 22x06	Ac ft ² 0.89	CFM	89	134	178	223	267	312	356
		Ps	.004	.009	.016	.025	.036	.049	.063
		NC	-	-	-	14	19	23	26
		Throw	9-7-6-6	12-11-9-8	17-14-12-11	21-18-15-14	25-22-19-17	29-25-22-20	33-29-25-23
14x10 28x05	Ac ft ² 0.97	CFM	97	146	194	243	292	340	389
		Ps	.004	.009	.015	.024	.035	.047	.062
		NC	-	-	-	14	19	23	26
		Throw	8-7-6-5	13-11-10-9	17-15-13-12	21-19-16-15	26-22-19-18	30-26-22-21	34-30-26-24
12x12 24x06 18x08	Ac ft ² 1.00	CFM	100	150	200	250	300	350	400
		Ps	9-8-7-6	13-11-10-9	18-15-13-12	22-19-16-15	26-23-20-18	31-27-23-21	35-31-26-25
		NC	-	-	-	14	19	23	26
		Throw	9-8-7-6	13-11-10-9	18-15-13-12	22-19-16-15	26-23-20-18	31-27-13-21	35-31-26-25
30x06 18x10	Ac ft ² 1.25	CFM	125	188	250	313	375	438	500
		Ps	.004	.008	.015	.023	.034	.046	.060
		NC	-	-	-	14	19	23	27
		Throw	9-8-7-6	14-12-11-10	19-17-14-13	24-21-18-17	28-25-21-20	33-29-25-23	38-33-28-26
14x14	Ac ft ² 1.36	CFM	136	204	272	241	409	477	545
		Ps	.004	.008	.015	.023	.033	.045	.059
		NC	-	-	-	15	19	23	27
		Throw	9-8-7-6	14-12-11-10	19-17-14-13	24-21-18-17	28-25-21-20	33-29-25-23	38-33-28-27
36x06 18x12	Ac ft ² 1.50	CFM	150	225	300	375	450	525	600
		Ps	.004	.008	.015	.023	.033	.045	.059
		NC	-	-	-	15	19	23	27
		Throw	10-9-8-7	15-13-11-10	20-18-15-14	25-22-19-18	30-27-23-21	36-31-27-25	41-36-30-28

CONTINUED

PERFORMANCE NOTES FOR SERIES L

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

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

Throw Throw distance in feet are for terminal velocities of 50 fpm for 1W, 2W, 3W & 4W air flow

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

NC Noise Criteria based on a room absorption of 10 dB, re: 10⁻¹² watts [NC less than 10 (-)]

Ac Actual Core Free Area in square feet

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	150	200	250	300	350	400
22x10	Ac ft ² 1.53	CFM	153	230	306	383	459	536	612
		Ps	.004	.008	.015	.023	.033	.045	.059
		NC	-	-	-	15	20	24	27
	Throw		10-9-8-7	15-13-12-11	21-18-15-14	26-22-19-18	31-27-23-22	36-31-27-25	41-36-31-29
30x08 24x10	Ac ft ² 1.67	CFM	166	249	333	416	499	583	666
		Ps	.004	.008	.015	.024	.034	.046	.060
		NC	-	-	-	15	20	24	28
	Throw		11-9-8-7	16-14-12-11	21-19-16-15	27-23-20-19	32-28-24-23	38-33-28-26	43-38-32-30
16x16	Ac ft ² 1.78	CFM	178	267	356	445	533	622	711
		Ps	.004	.008	.014	.022	.032	.044	.057
		NC	-	-	-	15	20	24	27
	Throw		10-9-8-7	15-13-11-10	20-18-15-14	25-22-19-18	31-27-23-21	36-31-27-25	41-36-30-28
24x12 36x08 48x06	Ac ft ² 2.00	CFM	200	300	400	500	600	700	800
		Ps	.004	.008	.014	.022	.032	.044	.057
		NC	-	-	-	15	20	24	27
	Throw		11-10-9-8	17-15-13-12	23-20-17-16	29-25-21-20	34-30-26-24	40-35-30-28	46-40-34-32
18x18	Ac ft ² 2.25	CFM	224	337	449	562	675	787	900
		Ps	.003	.008	.014	.022	.031	.043	.056
		NC	-	-	-	15	20	24	28
	Throw		11-9-8-7	16-14-12-11	22-19-16-15	27-24-20-19	32-28-24-23	38-33-28-27	43-38-32-30
30x12 36x10	Ac ft ² 2.50	CFM	250	375	500	625	750	875	1000
		Ps	.004	.008	.014	.022	.032	.043	.057
		NC	-	-	-	16	21	25	28
	Throw		13-11-9-9	19-17-14-13	25-22-19-18	31-28-24-22	38-33-28-26	44-39-33-31	50-44-38-35
20x20	Ac ft ² 2.78	CFM	278	417	555	694	833	971	1110
		Ps	.003	.008	.014	.021	.031	.042	.055
		NC	-	-	-	16	21	25	28
	Throw		11-10-9-8	17-15-13-12	23-20-17-16	29-25-21-20	34-30-26-24	40-35-30-28	46-40-34-32
24x18 36x12	Ac ft ² 3.00	CFM	300	450	600	750	900	1050	1200
		Ps	.003	.008	.014	.021	.031	.042	.055
		NC	-	-	-	16	21	25	28
	Throw		14-12-10-9	20-16-15-14	27-24-20-19	34-30-25-24	41-35-30-28	47-41-35-33	54-47-41-38

CONTINUED

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	150	200	250	300	350	400
22x22 24x20 48x10	Ac ft ² 3.36	CFM	336	504	672	841	1009	1177	1345
		Ps	.003	.008	.014	.021	.031	.042	.054
		NC	-	-	11	16	21	25	28
	Throw		12-11-9-8	18-16-14-13	24-21-18-17	30-26-23-21	36-32-27-25	42-37-32-30	48-42-36-34
24x24 36x16 48x12	Ac ft ² 4.00	CFM	400	600	800	1000	1200	1400	1600
		Ps	.003	.008	.003	.021	.030	.041	.054
		NC	-	-	11	17	21	25	29
	Throw		13-11-10-9	19-17-14-13	25-22-19-18	32-28-24-22	38-33-29-27	44-39-33-31	51-44-38-35
30x24 36x20	Ac ft ² 5.00	CFM	500	750	1000	1250	1500	1750	2000
		Ps	.003	.007	.013	.021	.030	.041	.053
		NC	-	-	12	17	23	26	29
	Throw		17-15-13-12	25-22-19-18	34-29-25-23	42-37-31-29	50-44-38-35	59-51-44-41	67-59-50-47
28x28	Ac ft ² 5.44	CFM	546	818	1091	1363	1635	1908	2180
		Ps	.003	.007	.013	.021	.030	.040	.053
		NC	-	-	12	18	22	26	30
	Throw		14-12-10-10	21-18-16-15	28-24-21-19	35-30-26-24	41-36-31-29	48-42-36-34	55-48-41-39
36x30	Ac ft ² 7.50	CFM	752	1127	1501	1876	2251	2625	3000
		Ps	.003	.007	.013	.020	.029	.040	.052
		NC	-	-	13	18	25	27	30
	Throw		19-17-14-13	30-26-22-21	40-35-30-28	50-44-37-35	60-52-45-42	70-61-52-49	80-70-60-56
36x32 48x24 34x34	Ac ft ² 8.00	CFM	800	1200	1600	2000	2400	2800	3200
		Ps	.003	.007	.013	.020	.029	.040	.052
		NC	-	-	13	19	23	27	31
	Throw		19-17-14-13	31-17-23-22	41-36-31-29	51-45-38-36	62-54-46-43	72-63-54-50	82-72-62-57

CONTINUED

PERFORMANCE NOTES FOR SERIES L

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

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

Throw Throw distance in feet are for terminal velocities of 50 fpm for 1W, 2W, 3W & 4W air flow

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

NC Noise Criteria based on a room absorption of 10 dB, re: 10^{-12} watts [NC less than 10 (-)]

Ac Actual Core Free Area in square feet

SERIES L PERFORMANCE DATA

MODELS L, S, LT, ST, LTC, LTC3, LS4, LV, SH, LTV, STH
LM, SM, LTM, STM, LTCM, LTC3M, LMH, LTMH, LS3M, LS4M

Size		Nk Vel	100	200	300	400	500	600	700
36x36	Ac ft ² 9.00	CFM	900	1350	1800	2250	2700	3150	3600
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	13	19	23	27	31
	Throw		14-12-11-10	24-21-18-17	32-28-24-22	40-35-30-28	48-42-36-33	56-49-42-39	64-56-48-45
38x38	Ac ft ² 10.02	CFM	1000	1502	2003	2505	3007	3508	4010
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	13	19	24	28	31
	Throw		14-12-10-10	25-22-18-17	33-29-25-23	41-36-31-29	49-43-37-34	57-50-43-40	66-57-49-46
40x40	Ac ft ² 11.11	CFM	1110	1665	2220	2775	3330	3885	4440
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	14	19	24	28	31
	Throw		14-12-10-10	25-22-19-18	34-30-25-24	42-37-32-30	51-44-38-35	59-52-44-41	68-59-51-47
48x36	Ac ft ² 12.00	CFM	1200	1800	2400	3000	3600	4200	4800
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	14	20	24	28	32
	Throw		19-17-14-13	37-32-27-26	49-43-37-34	61-53-46-43	73-64-55-51	85-75-64-60	97-85-73-68
48x42	Ac ft ² 14.00	CFM	1400	2100	2800	3500	4200	4800	5600
		Ps	.003	.007	.013	.020	.029	.039	.051
		NC	-	-	14	20	25	29	32
	Throw		19-17-14-13	39-34-29-27	52-46-39-36	65-57-49-46	78-68-59-55	91-80-68-64	104-91-78-73
48x48	Ac ft ² 16.00	CFM	1600	2400	3200	4000	4800	5600	6400
		Ps	.003	.007	.013	.020	.028	.039	.050
		NC	-	-	15	20	25	29	32
	Throw		13-11-10-9	28-25-21-20	38-33-28-26	47-41-35-33	56-49-42-39	66-58-48-46	75-66-56-53

PERFORMANCE NOTES FOR SERIES L

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

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

Throw Throw distance in feet are for terminal velocities of 50 fpm for 1W, 2W, 3W & 4W air flow

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

NC Noise Criteria based on a room absorption of 10 dB, re: 10⁻¹² watts [NC les than 10 (-)]

Ac Actual Core Free Area in square feet