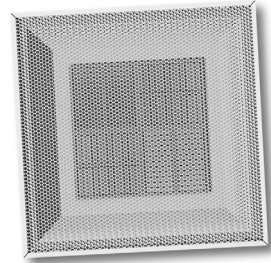


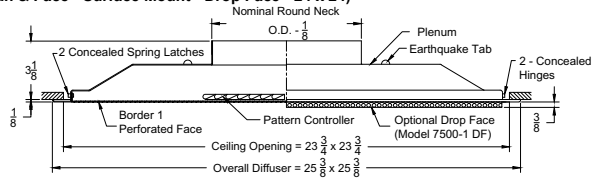
MODEL 7500/7550



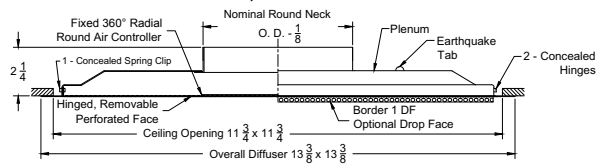
Model 7500/7550 is designed for use in ceiling applications which call for air pattern adjustability in the field. The perforated face is hinged to swing open to permit easy access to four air pattern controllers mounted on the inside face surface.

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

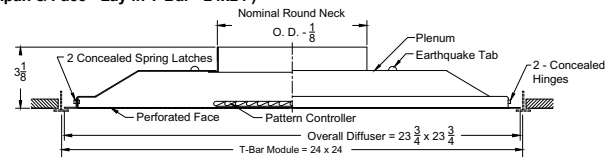
Model: 7500 -1 (Steel Backpan & Face - Surface Mount - 24 x 24)
7500-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 24 x 24)
7500-1 DF (Steel Backpan & Face - Surface Mount - Drop Face - 24 x 24)



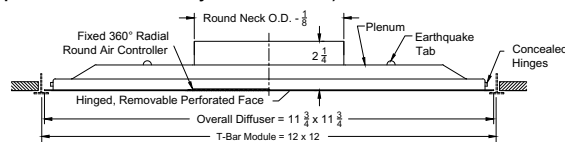
Model: 7500-1 (Steel Backpan & Face - Surface Mount - 12 x 12)
7500-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 12 x 12)
7500-1 DF (Steel Backpan & Face - Surface Mount - 12 x 12)



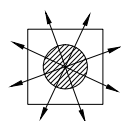
Model: 7500 -6 (Steel Backpan & Face - Lay in T-Bar - 24 x 24)
7500-6AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 24 x 24)
7500-6AL (Aluminum Backpan & Face - Lay in T-Bar - 24x24)



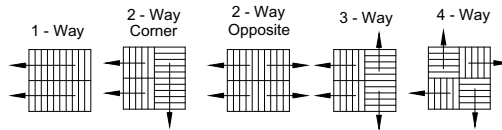
Model: 7500 -6 (Steel Backpan & Face - Lay in T-Bar - 12 x 12)
7500-6AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 12 x 12)
7500-6AL (Aluminum Backpan & Aluminum Face - Lay in T-Bar - 12x12)



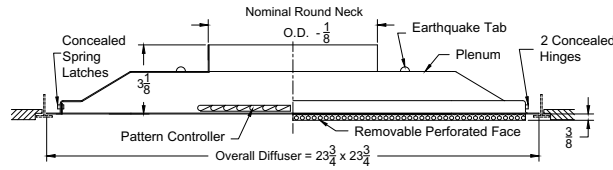
Fixed 360° Radial Round Air Controller



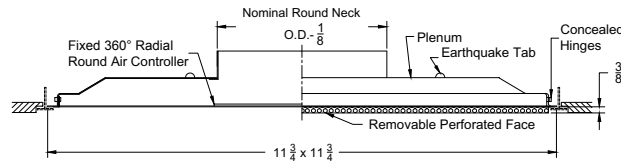
Air Deflection Patterns Obtained By Adjusting Air Pattern Controllers



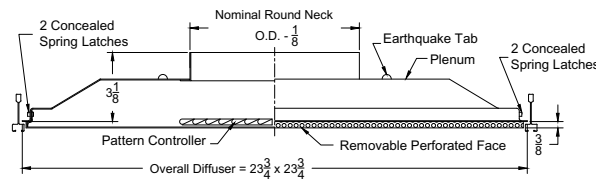
- Models: 7500-8 (Steel Backpan & Face - Tegular T-Bar - 24 x 24)
 7500-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar - 24 x 24)
 7500-8 AL (Aluminum Backpan & Face - Tegular T-Bar - 24 x 24)



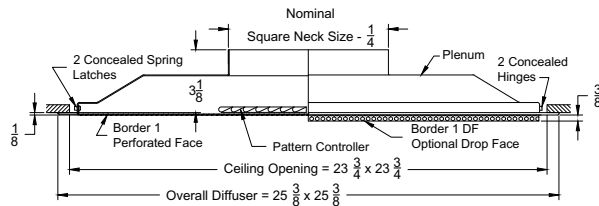
- Models: 7500-8 (Steel Backpan & Face - Tegular T-Bar - 12 x 12)
 7500-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar - 12 x 12)



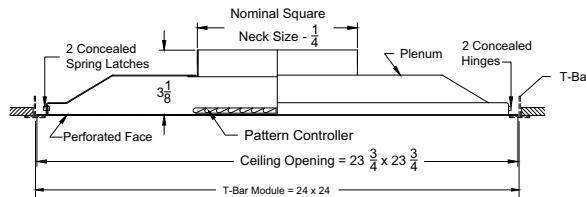
- Models: 7500-9 (Steel Backpan & Face - 24 x 24 Donn Ceiling Grid)
 7500-9 AF (Steel Backpan & Aluminum Face - 24x24 Donn Ceiling Grid)



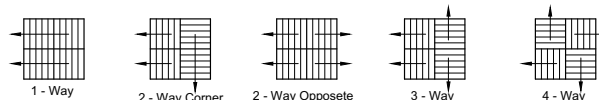
- Models: 7550-1 (Steel Backpan & Face - Surface Mount)
 7550-1 DF (Steel Backpan & Face -Surface Mount - Drop Face)
 7550-1 AF (Steel Backpan & Aluminum Face - Surface Mount)



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

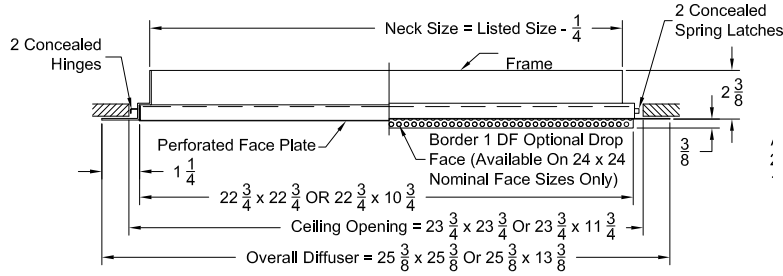


Air Deflection Patterns
 Obtained By Adjusting
 Air Pattern Controllers

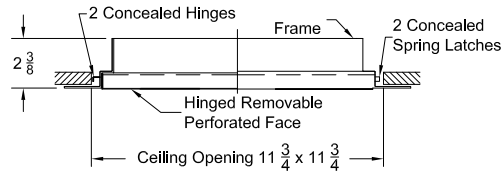


Available Square Inlets
6 x 6
8 x 8
10 x 10
12 x 12
14 x 14
16 x 16

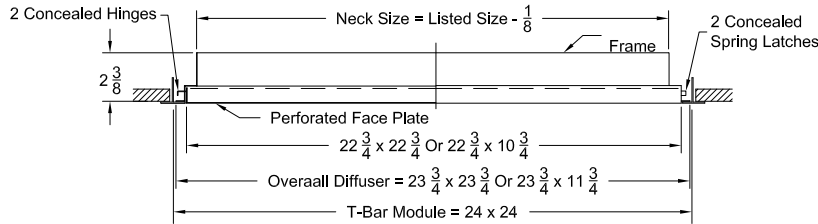
- Models: □ 7550R-1 (Steel Backpan & Face - Surface Mount - 24 x 24)
 □ 7550R-1 DF (Steel Backpan & Face - Surface Mount - Drop Face - 24 x 24)
 □ 7550R-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 24 x 24)



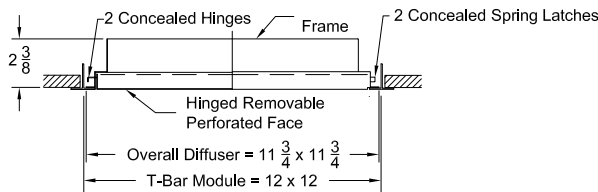
- Models: □ 7550R-1 (Steel Backpan & Face - Surface Mount - 12 x 12)
 □ 7550R-1 DF (Steel Backpan & Face - Surface Mount - Drop Face - 12 x 12)
 □ 7550R-1 AF (Steel Backpan & Aluminum Face - Surface Mount - 12 x 12)



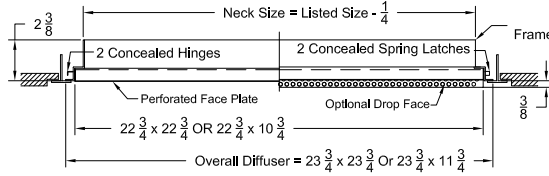
- Models: □ 7550R-6 (Steel Backpan & Face - Lay in T-Bar - 24 x 24)
 □ 7550R-6 AF (Steel Backpan & Aluminum Face - Lay in T-Bar - 24 x 24)
 □ 7550R-6 AL (Aluminum Backpan & Face - Lay in T-Bar - 24 x 24)



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

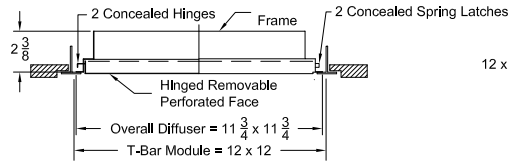


- Models: □ 7550R-8 (Steel Backpan & Face - Tegular T-Bar - 24 x 24)
 □ 7550R-8 AF (Steel Backpan & Aluminum Face - Tegular T-Bar - 24 x 24)
 □ 7550R-8 AL (Aluminum Backpan & Face) - Tegular T-Bar - 24 x 24)



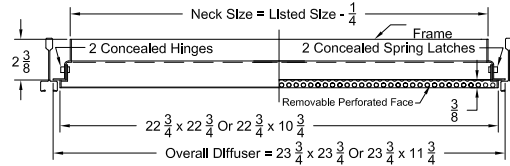
Available For 24 x 24 And 24 x 12 T-Bar Lay-In Ceiling Grids
 24 x 24 Return Available With 6 x 6, 8 x 8, 10 x 10, 12 x 12,
 14 x 14, 16 x 16, 18 x 18 22 x 22 10 Neck Size.
 24 x 12 Return Available With 22 x 10 Neck Size Only.

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



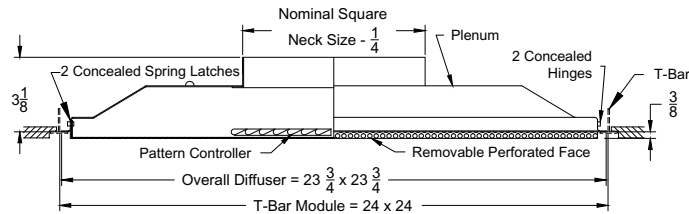
12 x 12 Return Diffuser Available With 10 x 10 Neck Size Only.

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

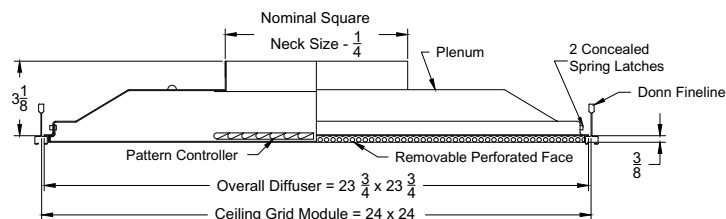


24 x 24 Return Diffuser Available With 6 x 6, 8 x 8, 10 x 10,
 12 x 12, 14 x 14, 16 x 16, 18 x 18 and 22 x 22 Neck Sizes.

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



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



SERIES 7500/7550 SPECIFICATIONS

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

STEEL — ALUMINUM FACE — STEEL BACKPAN — ALL ALUMINUM

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

- Air Outlets shall be steel model 7500/7550 or aluminum face, steel backpan model 7500/7550-AF or all aluminum model 7500/7550-AL manufactured by METALAIRE.
- 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

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

- Air Inlets shall be steel model 7500/7550R or aluminum face, steel backpan model 7500/7550R-AF or all aluminum model 7500/7550R-AL manufactured by METALAIRE.
- 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

- METALAIRE model 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

- METALAIRE model 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

- METALAIRE model D3 aluminum or 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

- METALAIRE model 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

- METALAIRE model OBDA aluminum or OBD 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

- METALAIRE model 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.

7500/7550 MODEL NUMBER SPECIFICATION

PERFORATED CEILING DIFFUSER —
SUPPLY — FACE MOUNTED PATTERN CONTROLLERS

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

7500R/7550R MODEL NUMBER SPECIFICATION

PERFORATED CEILING DIFFUSER — RETURN

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

SERIES 7500 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	.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

7500/7550

SERIES 7500 PERFORMANCE DATA

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

7500/7550

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.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		

SERIES 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		

SERIES 7550 PERFORMANCE DATA

CEILING
DIFFUSERS

PERFORATED
CEILING DIFFUSERS

7500/7550

Module	Neck Size	fpm Neck Velocity	300	400	500	600	700	800	1000	1200	
		Pv	.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		

SERIES 7500R PERFORMANCE DATA

MODEL 7500R

Neck Size	Duct Area ft ²	fpm Neck Velocity	300	400	500	600	700	800	900	1000
		Ps	-0.23	-0.41	-0.64	-0.92	-1.26	-1.65	-2.09	-2.59
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 7550R PERFORMANCE DATA

MODEL 7550R

Neck Size	Duct Area ft ²	fpm Neck Velocity	300	400	500	600	700	800	900	1000	1100
		Ps	-0.23	-0.41	-0.64	-0.92	-1.26	-1.65	-2.09	-2.59	-3.14
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 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.