

Application

This is used in commercial spaces where the room dimensions change and require a change in the air distribution plan. The cores are field adjustable without tools to all blow patterns.

Standard Features

- Formed steel or aluminum construction.
- Core blades have hemmed edges for durability after repeated blow pattern changes.
- Square inlet sizes 6" x 6" through 24" x 24" in 2" increments.
- Inlet is undersized to fit inside duct or premade/preinstalled transitions.
- The standard finish is electrocoat acrylic baked enamel.
- The standard color is #11 bright white.
- Choice of T-bar, surface mount or exposed stub duct frames. Following are the maximum inlet sizes for each T-bar panel size.

T-bar Grid Size	Max. Inlet Size
12" x 12"	8" x 8"
12" x 24"	8" x 8"
24" x 24"	20" x 20"
24" x 48"	20" x 20"

Optional Features

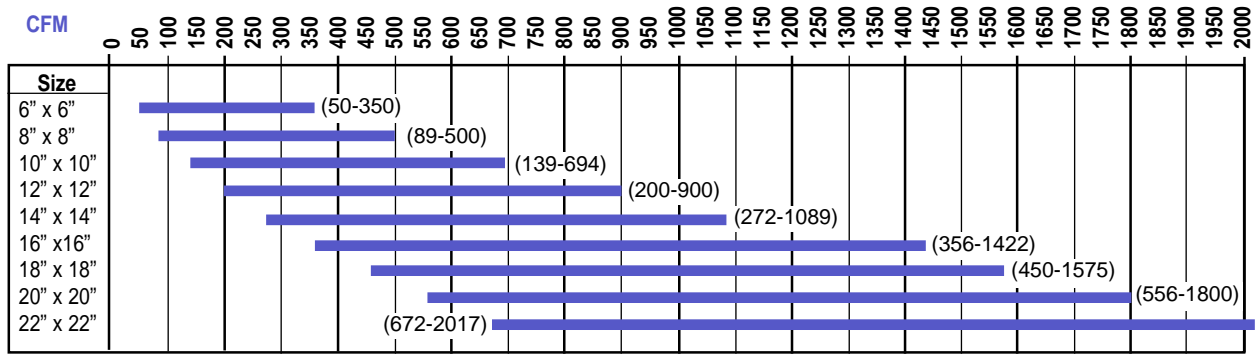
- Factory-mounted square-to-round transitions (p. A65).
- Gasket Option G around edge of frame (p. A65).

Accessories

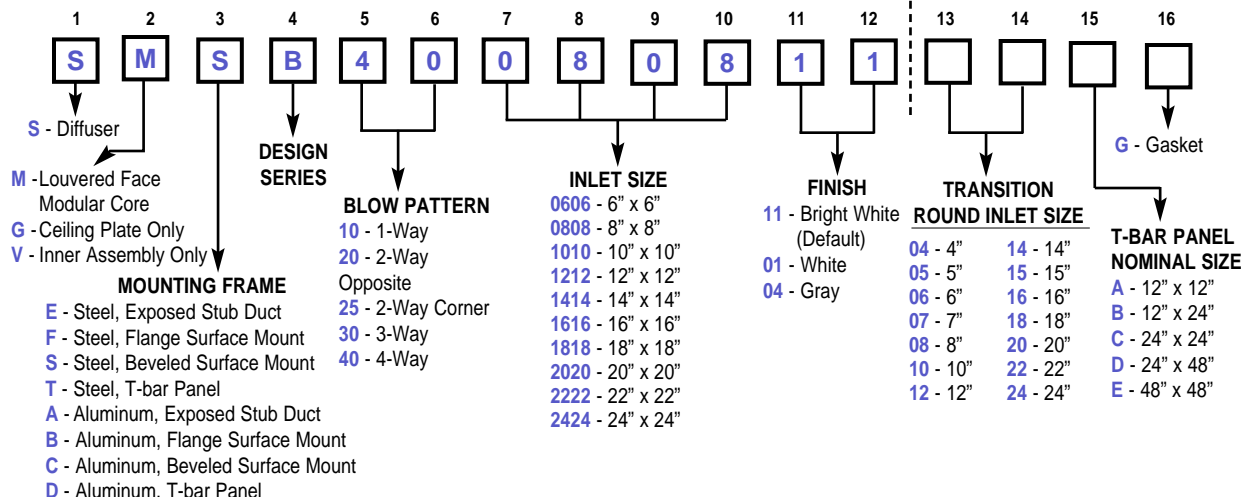
- For a damper for the square inlet models, use damper KXAB (p. A436).
- For a damper for the round neck models, use damper model KXMB (p. A429).

Quick Select Chart

This shows units with:
 • A maximum NC/RC of 35.
 • A minimum face velocity of 200 FPM.



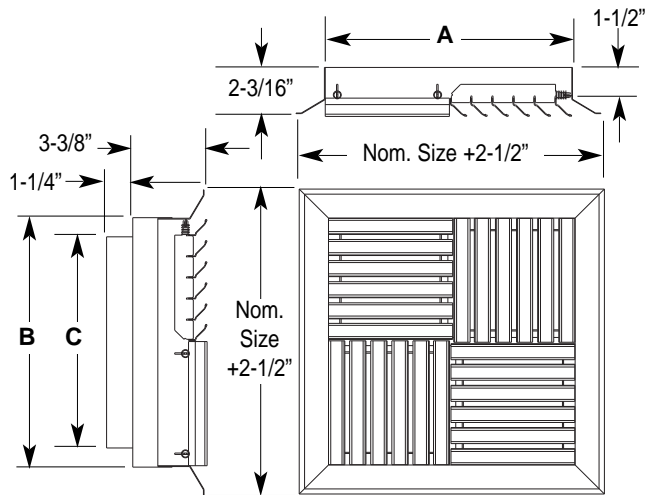
Model Numbering System



Exposed Stub Duct Frame
(Mounting Frames E and A)

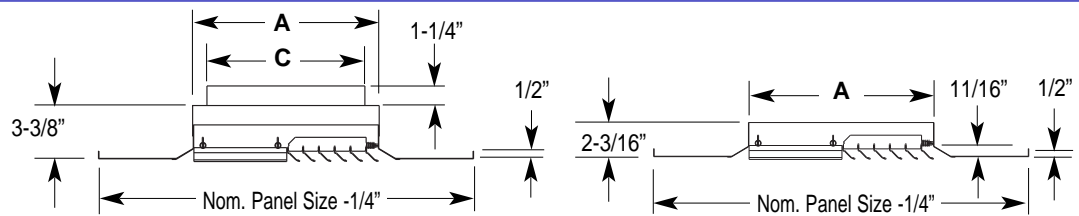
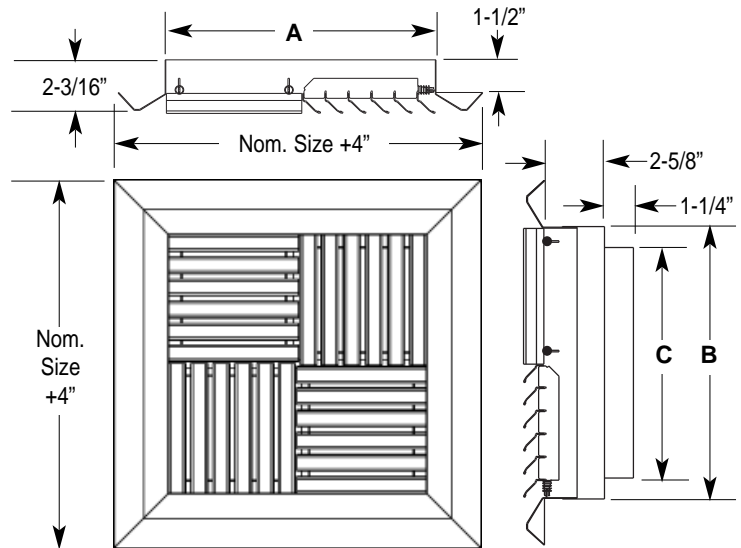
- Used primarily when attaching to exposed stub duct.

Nom. Square Inlet Size (A x B)	Nominal Round Neck Sizes (C)
6" x 6"	4", 5", 6"
8" x 8"	6", 8"
10" x 10"	6", 8", 10"
12" x 12"	8", 10", 12"
14" x 14"	10", 12", 14"
16" x 16"	12", 14", 16"
18" x 18"	14", 16", 18"
20" x 20"	16", 18", 20"
22" x 22"	18", 20", 22"
24" x 24"	20", 22", 24"



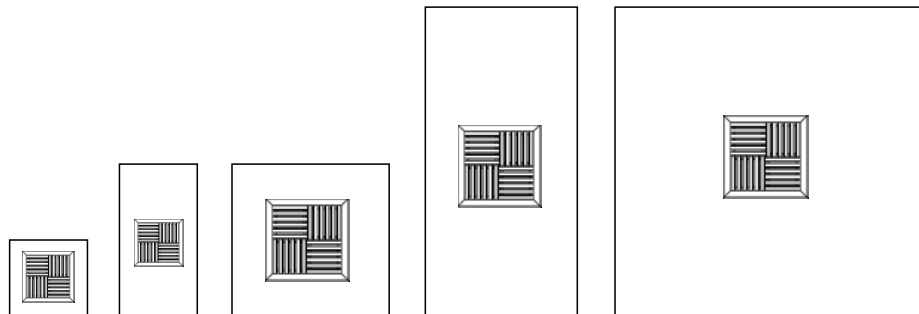
Beveled Surface Mount Frame
(Mounting Frames S and C)

- Used in plaster ceilings.
- Because the square inlet is nominal size minus 1/8", this will fit readily inside premade/preinstalled transitions, allowing the plastering and painting of the ceiling to proceed without waiting for the diffuser.



T-bar Panel
(Mounting Frames T and D)

- Fits 15/16" flat-face T-bar.
- Fits 9/16" flat-face T-bar.
- Fits 9/16" reveal-face T-bar.
- Other nominal panel sizes available on request.
- Other suspended ceiling style panels are available on request.



Panel Size Option:	A	B	C	D	E
Nom. Panel Size	12" x 12"	12" x 24"	24" x 24"	24" x 48"	48" x 48"
Max. Sq. Neck Size	8" x 8"	8" x 8"	20" x 20"	20" x 20"	24" x 24"

Duct Velocity (fpm)		200	300	400	500	600	700	800	900	1000	
Static Pressure		0.010	0.022	0.040	0.064	0.092	0.126	0.165	0.210	0.259	
Total Pressure		0.013	0.028	0.050	0.080	0.114	0.157	0.205	0.216	0.321	
6" x 6"	Air Flow (CFM)	50	75	100	125	150	175	200	225	250	
	Sound (NC/RC)	—/—	10/—	14/10H	16/12H	19/17H	21/20N	23/24N	25/ 27N	27/31N	
	Throw (Feet)	4-Way	1-2-5	2-4-8	3-5-10	4-6-12	5-8-13	6-9-14	7-10-15	8-11-16	8-12-17
		3-Way	1-2-7	2-5-10	4-7-14	6-8-15	7-10-17	8-12-18	9-13-19	10-14-21	11-15-22
		2-Way Corner	1-2-7	2-5-10	4-7-14	6-8-15	7-10-17	8-12-18	9-13-19	10-14-21	11-15-22
		2-Way Opposite	1-2-7	2-5-10	4-7-14	6-8-15	7-10-17	8-12-18	9-13-19	10-14-21	11-15-22
		1-Way	1-3-11	3-8-16	6-11-21	10-13-25	11-16-27	12-19-29	14-21-31	16-23-33	17-24-35
8" x 8"	Air Flow (CFM)	89	133	178	222	267	311	356	400	444	
	Sound (NC/RC)	10/—	11/—	15/11H	17/14H	21/19N	24/22N	26/27N	29/30N	31/34N	
	Throw (Feet)	4-Way	2-4-8	4-6-10	5-8-12	6-10-14	8-10-15	9-11-16	9-12-17	10-13-18	10-14-19
		3-Way	2-6-11	5-9-14	7-11-16	9-13-18	10-14-20	11-15-21	12-16-22	13-17-24	13-18-25
		2-Way Corner	2-6-11	5-9-14	7-11-16	9-13-18	10-14-20	11-15-21	12-16-22	13-17-24	13-18-25
		2-Way Opposite	2-6-11	5-9-14	7-11-16	9-13-18	10-14-20	11-15-21	12-16-22	13-17-24	13-18-25
		1-Way	4-9-17	9-14-22	12-18-25	15-20-28	17-22-31	18-23-34	19-25-36	20-27-38	21-28-40
10" x 10"	Air Flow (CFM)	139	208	278	347	417	486	556	625	694	
	Sound (NC/RC)	10/—	12/—	15/12H	19/16N	23/20N	26/24N	30/29N	32/33N	34/36N	
	Throw (Feet)	4-Way	3-5-9	5-7-12	6-10-14	8-11-16	9-12-17	10-13-19	11-14-20	12-15-21	12-16-22
		3-Way	3-7-13	6-10-15	8-13-18	11-14-20	12-15-22	13-17-24	14-18-25	15-19-27	16-20-29
		2-Way Corner	3-7-13	6-10-15	8-13-18	11-14-20	12-15-22	13-17-24	14-18-25	15-19-27	16-20-29
		2-Way Opposite	3-7-13	6-10-15	8-13-18	11-14-20	12-15-22	13-17-24	14-18-25	15-19-27	16-20-29
		1-Way	5-11-20	10-16-25	14-20-28	18-23-32	20-25-35	21-27-38	23-29-41	24-30-43	25-32-46
12" x 12"	Air Flow (CFM)	200	300	400	500	600	700	800	900	1000	
	Sound (NC/RC)	10/—	12/10H	15/13H	21/17N	25/21N	29/26N	32/31N	35/35N	38/38N	
	Throw (Feet)	4-Way	3-5-11	5-8-14	7-11-16	9-12-18	11-14-19	12-15-21	13-16-22	14-17-23	14-18-25
		3-Way	3-7-14	7-11-17	10-14-20	12-16-23	14-17-25	15-19-27	16-20-29	17-22-31	18-23-32
		2-Way Corner	3-7-14	7-11-17	10-14-20	12-16-23	14-17-25	15-19-27	16-20-29	17-22-31	18-23-32
		2-Way Opposite	3-7-14	7-11-17	10-14-20	12-16-23	14-17-25	15-19-27	16-20-29	17-22-31	18-23-32
		1-Way	5-12-23	12-18-28	16-23-32	20-25-36	23-28-40	24-30-43	26-32-46	28-34-48	29-36-51
14" x 14"	Air Flow (CFM)	272	408	544	681	817	953	1089	1225	1361	
	Sound (NC/RC)	10/—	13/10H	17/14H	22/19N	26/24N	31/29N	34/34N	36/38N	39/41N	
	Throw (Feet)	4-Way	4-6-12	7-9-15	8-12-18	10-14-19	12-15-21	14-16-23	14-17-24	15-18-26	16-19-27
		3-Way	4-8-16	8-12-19	11-16-23	14-18-25	16-19-27	17-21-30	19-22-32	20-24-34	21-25-36
		2-Way Corner	4-8-16	8-12-19	11-16-23	14-18-25	16-19-27	17-21-30	19-22-32	20-24-34	21-25-36
		2-Way Opposite	4-8-16	8-12-19	11-16-23	14-18-25	16-19-27	17-21-30	19-22-32	20-24-34	21-25-36
		1-Way	6-13-26	14-20-31	18-25-36	23-28-40	26-31-44	28-34-47	30-36-51	32-38-53	33-39-56

Notes on Performance

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Testing was conducted in isothermal conditions.
- Sound level values are based on a room absorption of 10db re 10⁻¹² watts.
- A "—" indicates an NC or RC value of less than 10.

Units of Measure Used:

- Velocity is given in Feet per Minute (fpm).
- Pressure is given in Inches of Water (w.g.).
- Flows are given in Cubic Feet per Minute (CFM).
- Throws are given in feet to terminal velocities of 150, 100 & 50 fpm, respectively.
- Sound data is given in both NC and RC. NC is first with RC second, separated by a slash.

Sq. & Rect. Louvered Diffusers

Duct Velocity (fpm)		200	300	400	500	600	700	800	900	1000	
Static Pressure		0.010	0.022	0.040	0.064	0.092	0.126	0.165	0.210	0.259	
Total Pressure		0.013	0.028	0.050	0.080	0.114	0.157	0.205	0.216	0.321	
16" x 16"	Air Flow (CFM)	356	533	711	889	1067	1244	1422	1600	1778	
	Sound (NC/RC)	10/—	13/11H	18/16H	23/21N	27/26N	32/32N	35/37N	38/40N	41/43N	
	Throw (Feet)	4-Way	4-7-14	7-10-17	9-13-19	11-15-21	14-16-23	15-18-25	16-19-27	17-20-28	18-21-30
		3-Way	4-9-18	9-14-21	12-17-25	15-20-28	18-21-30	19-23-33	21-25-35	22-26-37	23-28-39
		2-Way Corner	4-9-18	9-14-21	12-17-25	15-20-28	18-21-30	19-23-33	21-25-35	22-26-37	23-28-39
		2-Way Opposite	4-9-18	9-14-21	12-17-25	15-20-28	18-21-30	19-23-33	21-25-35	22-26-37	23-28-39
1-Way	7-15-29	15-22-34	20-28-39	26-31-43	29-34-48	31-37-52	33-39-55	35-41-58	37-43-62		
18" x 18"	Air Flow (CFM)	450	675	900	1125	1350	1575	1800	2025	2250	
	Sound (NC/RC)	10/—	13/11H	19/17H	25/23N	31/29N	35/34N	38/39N	41/43N	44/45N	
	Throw (Feet)	4-Way	4-7-15	8-11-18	10-14-21	13-16-23	15-18-25	17-19-27	18-21-29	19-22-31	20-23-33
		3-Way	5-10-20	10-15-23	14-19-27	17-21-30	20-23-33	22-25-35	23-27-38	24-28-40	26-30-42
		2-Way Corner	5-10-20	10-15-23	14-19-27	17-21-30	20-23-33	22-25-35	23-27-38	24-28-40	26-30-42
		2-Way Opposite	5-10-20	10-15-23	14-19-27	17-21-30	20-23-33	22-25-35	23-27-38	24-28-40	26-30-42
1-Way	8-16-32	17-24-37	23-30-43	28-34-47	32-37-52	34-40-56	37-43-60	39-45-63	42-47-67		
20" x 20"	Air Flow (CFM)	556	833	1111	1389	1667	1944	2222	2500	2778	
	Sound (NC/RC)	10/—	14/11H	21/18H	27/25N	33/32N	37/37N	41/42N	44/45N	47/47N	
	Throw (Feet)	4-Way	5-8-16	8-12-20	11-16-23	14-18-25	17-20-27	18-21-30	19-23-32	21-24-33	22-25-35
		3-Way	5-11-22	11-16-25	15-21-29	19-23-32	22-25-35	24-27-38	25-29-41	27-31-43	28-32-46
		2-Way Corner	5-11-22	11-16-25	15-21-29	19-23-32	22-25-35	24-27-38	25-29-41	27-31-43	28-32-46
		2-Way Opposite	5-11-22	11-16-25	15-21-29	19-23-32	22-25-35	24-27-38	25-29-41	27-31-43	28-32-46
1-Way	8-17-35	19-26-40	25-33-47	31-37-51	35-40-56	38-43-61	41-46-65	43-49-68	46-51-73		
22" x 22"	Air Flow (CFM)	672	1008	1344	1681	2017	2353	2689	3025	3361	
	Sound (NC/RC)	10/—	14/11H	22/19H	30/27N	35/34N	39/39N	43/44N	46/48N	49/49N	
	Throw (Feet)	4-Way	5-8-18	9-12-21	12-17-25	15-19-27	19-21-29	20-23-32	21-24-34	23-25-36	24-27-38
		3-Way	6-11-24	12-17-27	16-22-31	20-25-35	24-27-38	26-29-41	28-31-44	29-33-47	31-35-49
		2-Way Corner	6-11-24	12-17-27	16-22-31	20-25-35	24-27-38	26-29-41	28-31-44	29-33-47	31-35-49
		2-Way Opposite	6-11-24	12-17-27	16-22-31	20-25-35	24-27-38	26-29-41	28-31-44	29-33-47	31-35-49
1-Way	9-19-38	20-28-43	27-35-50	34-39-54	38-43-60	41-47-65	44-50-70	46-52-73	50-54-78		
24" x 24"	Air Flow (CFM)	800	1200	1600	2000	2400	2800	3200	3600	4000	
	Sound (NC/RC)	11/—	15/12H	24/21H	32/29N	37/36N	42/41N	46/46N	50/50N	53/51N	
	Throw (Feet)	4-Way	6-9-20	10-13-23	13-18-26	16-21-29	20-23-31	22-24-34	23-26-36	24-27-38	26-29-41
		3-Way	6-12-26	13-18-29	18-24-34	22-27-37	26-29-41	28-31-44	30-34-47	31-36-50	33-37-52
		2-Way Corner	6-12-26	13-18-29	18-24-34	22-27-37	26-29-41	28-31-44	30-34-47	31-36-50	33-37-52
		2-Way Opposite	6-12-26	13-18-29	18-24-34	22-27-37	26-29-41	28-31-44	30-34-47	31-36-50	33-37-52
1-Way	10-20-41	22-30-47	29-38-54	36-42-58	41-46-65	44-50-69	48-53-75	50-56-78	54-58-84		

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- Flows are given in Cubic Feet per Minute (CFM).
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Duct Velocity (fpm)		200	300	400	500	600	700	800	900	1000	
Static Pressure		0.006	0.014	0.025	0.040	0.058	0.079	0.104	0.132	0.163	
Total Pressure		0.009	0.020	0.035	0.056	0.080	0.110	0.144	0.183	0.225	
6" x 6" To 6" Round	Air Flow (CFM)	39	59	79	98	118	138	157	177	196	
	Sound (NC/RC)	—/—	10/—	14/10H	15/14H	16/17H	19/20N	21/22N	24/25N	26/26N	
	Throw (Feet)	4-Way	1-1-4	1-3-6	2-4-8	3-5-9	4-6-10	5-7-11	5-8-12	6-9-13	7-9-13
		3-Way	1-2-6	2-4-8	3-5-11	5-7-12	5-8-13	6-9-15	7-10-15	8-11-16	9-12-17
		2-Way Corner	1-2-6	2-4-8	3-5-11	5-7-12	5-8-13	6-9-15	7-10-15	8-11-16	9-12-17
		2-Way Opposite	1-2-6	2-4-8	3-5-11	5-7-12	5-8-13	6-9-15	7-10-15	8-11-16	9-12-17
1-Way		1-3-9	3-6-12	5-9-17	8-10-20	9-13-21	10-15-23	11-17-25	13-18-26	14-19-27	
8" x 8" To 8" Round	Air Flow (CFM)	70	105	140	175	210	244	279	314	349	
	Sound (NC/RC)	—/—	11/—	14/11H	15/16H	18/19H	21/22N	23/24N	26/27N	29/28N	
	Throw (Feet)	4-Way	2-3-7	3-5-8	4-7-9	5-8-11	6-8-12	7-9-13	7-10-14	8-10-14	8-11-15
		3-Way	2-5-8	4-7-11	6-9-12	7-10-14	8-11-16	9-12-17	9-12-18	10-13-10	10-14-20
		2-Way Corner	2-5-8	4-7-11	6-9-12	7-10-14	8-11-16	9-12-17	9-12-18	10-13-10	10-14-20
		2-Way Opposite	2-5-8	4-7-11	6-9-12	7-10-14	8-11-16	9-12-17	9-12-18	10-13-10	10-14-20
1-Way		3-7-13	7-11-17	9-14-19	12-16-22	13-17-25	14-18-27	15-19-28	16-21-30	17-22-32	
10" x 10" To 10" Round	Air Flow (CFM)	109	164	218	273	327	382	437	491	546	
	Sound (NC/RC)	—/—	11/—	14/13H	16/17H	20/21H	23/24N	26/27N	30/29N	33/31N	
	Throw (Feet)	4-Way	2-4-7	4-6-9	5-8-11	6-9-12	7-9-13	8-10-15	9-11-16	9-12-16	10-12-17
		3-Way	2-5-10	5-8-12	7-10-14	8-11-16	10-12-17	10-13-19	11-14-20	12-15-21	12-16-23
		2-Way Corner	2-5-10	5-8-12	7-10-14	8-11-16	10-12-17	10-13-19	11-14-20	12-15-21	12-16-23
		2-Way Opposite	2-5-10	5-8-12	7-10-14	8-11-16	10-12-17	10-13-19	11-14-20	12-15-21	12-16-23
1-Way		4-8-16	8-13-19	11-16-22	14-18-25	16-20-28	17-21-30	18-23-32	19-24-33	20-25-36	
12" x 12" To 12" Round	Air Flow (CFM)	157	236	314	393	471	550	629	707	786	
	Sound (NC/RC)	—/—	11/—	14/14H	17/19H	21/22H	25/26N	30/29N	32/31N	35/33N	
	Throw (Feet)	4-Way	2-4-9	4-6-11	6-9-12	7-10-14	9-11-15	9-12-16	10-12-17	11-13-19	11-14-20
		3-Way	3-6-11	6-9-14	8-11-16	10-13-18	11-14-20	12-15-21	13-16-23	14-17-24	14-18-25
		2-Way Corner	3-6-11	6-9-14	8-11-16	10-13-18	11-14-20	12-15-21	13-16-23	14-17-24	14-18-25
		2-Way Opposite	3-6-11	6-9-14	8-11-16	10-13-18	11-14-20	12-15-21	13-16-23	14-17-24	14-18-25
1-Way		4-10-18	9-14-22	13-18-25	16-20-28	18-22-31	19-24-34	21-25-36	22-27-38	23-28-40	
14" x 14" To 14" Round	Air Flow (CFM)	214	321	428	535	642	749	856	963	1069	
	Sound (NC/RC)	—/—	11/—	14/14H	17/19H	21/23N	25/26N	30/29N	33/32N	35/34N	
	Throw (Feet)	4-Way	3-5-10	5-7-12	6-9-14	8-11-15	10-12-17	11-13-18	11-14-19	12-14-20	13-15-22
		3-Way	3-6-13	7-10-15	9-13-18	11-14-20	13-15-22	14-16-23	15-18-25	16-19-27	16-20-28
		2-Way Corner	3-6-13	7-10-15	9-13-18	11-14-20	13-15-22	14-16-23	15-18-25	16-19-27	16-20-28
		2-Way Opposite	3-6-13	7-10-15	9-13-18	11-14-20	13-15-22	14-16-23	15-18-25	16-19-27	16-20-28
1-Way		5-10-20	11-16-25	14-20-28	18-22-31	20-24-34	22-26-37	24-28-40	25-30-42	27-31-45	
16" x 16" To 16" Round	Air Flow (CFM)	279	419	559	698	838	978	1117	1257	1397	
	Sound (NC/RC)	—/—	12/—	15/15H	18/19H	22/24N	26/27N	30/30N	33/32N	36/35N	
	Throw (Feet)	4-Way	3-5-11	5-8-13	7-10-15	9-12-17	11-13-18	12-14-20	13-15-21	14-16-22	14-17-24
		3-Way	3-7-14	7-11-17	10-14-20	12-15-22	14-17-24	15-18-26	16-19-27	17-21-29	18-22-31
		2-Way Corner	3-7-14	7-11-17	10-14-20	12-15-22	14-17-24	15-18-26	16-19-27	17-21-29	18-22-31
		2-Way Opposite	3-7-14	7-11-17	10-14-20	12-15-22	14-17-24	15-18-26	16-19-27	17-21-29	18-22-31
1-Way		6-12-23	12-18-27	16-22-31	20-25-34	23-27-38	24-29-41	26-31-44	28-32-46	29-34-49	
18" x 18" To 18" Round	Air Flow (CFM)	354	530	707	884	1061	1238	1414	1591	1768	
	Sound (NC/RC)	—/—	12/—	15/15H	18/20H	22/24N	26/27N	31/31N	34/33N	36/35N	
	Throw (Feet)	4-Way	3-6-12	6-9-14	8-11-17	10-13-18	12-14-20	13-15-21	14-16-23	15-17-24	16-18-26
		3-Way	4-8-16	8-12-18	11-15-21	14-17-24	16-18-26	17-20-28	18-21-30	19-22-32	20-24-33
		2-Way Corner	4-8-16	8-12-18	11-15-21	14-17-24	16-18-26	17-20-28	18-21-30	19-22-32	20-24-33
		2-Way Opposite	4-8-16	8-12-18	11-15-21	14-17-24	16-18-26	17-20-28	18-21-30	19-22-32	20-24-33
1-Way		6-13-25	13-19-29	18-24-34	22-27-37	25-29-41	27-32-45	29-34-47	31-35-50	33-37-53	

Notes on Performance

- Performance data is based on tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- Actual performance in the field may vary.
- Testing was conducted in isothermal conditions.
- Sound level values are based on a room absorption of 10db re 10⁻¹² watts.
- A “—” indicates an NC or RC value of less than 10.

Units of Measure Used:

- Velocity is given in Feet per Minute (fpm).
- Pressure is given in Inches of Water (w.g.).
- Flows are given in Cubic Feet per Minute (CFM).
- Throws are given in feet to terminal velocities of 150, 100 & 50 fpm, respectively.
- Sound data is given in both NC and RC. NC is first with RC second, separated by a slash.

Sq. & Rect. Louvered Diffusers

Duct Velocity (fpm)		200	300	400	500	600	700	800	900	1000
Static Pressure		0.006	0.014	0.025	0.040	0.058	0.079	0.104	0.132	0.163
Total Pressure		0.009	0.020	0.035	0.056	0.080	0.110	0.144	0.183	0.225
20" x 20" To	Air Flow (CFM)	437	655	707	884	1061	1238	1414	1591	1768
	20 Round Sound (NC/RC)	—/—	12/—	15/15H	18/20H	22/24N	26/27N	31/31N	34/33N	37/36N
Throw (Feet)	4-Way	4-6-13	7-9-16	9-12-18	11-14-20	13-15-21	14-16-23	15-18-25	16-19-26	17-20-28
	3-Way	4-8-17	9-13-20	12-16-23	15-18-25	17-20-28	19-21-30	20-23-32	21-24-34	22-26-36
	2-Way Corner	4-8-17	9-13-20	12-16-23	15-18-25	17-20-28	19-21-30	20-23-32	21-24-34	22-26-36
	2-Way Opposite	4-8-17	9-13-20	12-16-23	15-18-25	17-20-28	19-21-30	20-23-32	21-24-34	22-26-36
	1-Way	7-14-27	15-21-32	20-26-37	24-29-40	28-32-44	30-34-48	32-36-51	34-38-54	36-40-57
22" x 22" To	Air Flow (CFM)	528	792	1056	1320	1585	1849	2113	2377	2641
	22 Round Sound (NC/RC)	—/—	12/—	15/15H	18/20H	23/25N	27/28N	32/32N	35/34N	37/36N
Throw (Feet)	4-Way	4-7-14	7-10-17	10-13-19	12-15-21	14-17-23	16-18-25	17-19-27	18-20-28	19-21-30
	3-Way	5-9-19	10-14-21	13-17-25	16-20-27	19-21-30	20-23-32	22-25-34	23-26-37	24-27-39
	2-Way Corner	5-9-19	10-14-21	13-17-25	16-20-27	19-21-30	20-23-32	22-25-34	23-26-37	24-27-39
	2-Way Opposite	5-9-19	10-14-21	13-17-25	16-20-27	19-21-30	20-23-32	22-25-34	23-26-37	24-27-39
	1-Way	7-15-30	16-22-34	21-28-40	27-31-43	30-34-48	23-37-51	35-39-55	36-41-58	39-43-62
24" x 24" To	Air Flow (CFM)	629	943	1257	1571	1886	2200	2514	2829	3143
	24" Round Sound (NC/RC)	—/—	12/—	15/15H	18/20H	23/25N	27/28N	32/23N	35/35N	38/37N
Throw (Feet)	4-Way	4-7-15	8-11-18	10-14-21	13-16-23	15-18-24	17-19-27	18-20-29	19-21-30	20-23-32
	3-Way	5-10-20	11-15-23	14-19-27	17-21-29	20-23-32	22-25-34	24-26-37	25-28-39	26-29-41
	2-Way Corner	5-10-20	11-15-23	14-19-27	17-21-29	20-23-32	22-25-34	24-26-37	25-28-39	26-29-41
	2-Way Opposite	5-10-20	11-15-23	14-19-27	17-21-29	20-23-32	22-25-34	24-26-37	25-28-39	26-29-41
	1-Way	8-16-32	17-24-37	23-30-43	29-33-46	32-36-51	35-39-55	37-42-59	39-44-62	42-46-66
8" x 8" To	Air Flow (CFM)	39	59	79	98	118	138	157	177	196
	6" Round Sound (NC/RC)	—/—	10/—	14/10H	15/15H	17/18H	20/21N	22/23N	25/26N	27/27N
Throw (Feet)	4-Way	1-2-5	2-4-7	3-5-8	4-6-10	5-7-11	6-8-12	6-9-13	7-9-13	7-10-14
	3-Way	1-4-7	3-5-9	4-7-11	6-8-13	6-9-14	7-10-16	8-11-16	9-12-17	9-13-18
	2-Way Corner	1-4-7	3-5-9	4-7-11	6-8-13	6-9-14	7-10-16	8-11-16	9-12-17	9-13-18
	2-Way Opposite	1-4-7	3-5-9	4-7-11	6-8-13	6-9-14	7-10-16	8-11-16	9-12-17	9-13-18
	1-Way	2-5-11	5-8-14	7-11-18	10-13-21	11-15-23	12-16-25	13-18-26	14-19-28	15-20-29
10" x 10" To	Air Flow (CFM)	70	105	140	175	210	244	279	314	349
	8" Round Sound (NC/RC)	—/—	11/—	14/12H	15/16H	19/20H	22/23N	24/25N	28/28N	31/29N
Throw (Feet)	4-Way	2-3-7	3-5-8	4-7-10	5-8-11	6-8-12	7-9-14	8-10-15	8-11-15	9-11-16
	3-Way	2-5-9	4-7-11	6-9-13	7-10-15	9-11-16	9-12-18	10-13-19	11-14-20	11-15-21
	2-Way Corner	2-5-9	4-7-11	6-9-13	7-10-15	9-11-16	9-12-18	10-13-19	11-14-20	11-15-21
	2-Way Opposite	2-5-9	4-7-11	6-9-13	7-10-15	9-11-16	9-12-18	10-13-19	11-14-20	11-15-21
	1-Way	3-7-14	7-12-18	10-15-20	13-17-23	14-18-26	15-19-28	16-21-30	17-22-31	18-23-34
12" x 12" To	Air Flow (CFM)	109	164	218	273	327	382	437	491	546
	10" Round Sound (NC/RC)	—/—	11/—	14/13H	16/18H	20/21H	24/25N	28/28N	31/30N	34/32N
Throw (Feet)	4-Way	2-4-8	4-6-10	5-8-11	6-9-13	8-10-14	8-11-15	9-11-15	10-12-17	10-13-18
	3-Way	2-5-10	5-8-13	7-10-15	9-12-17	10-13-18	11-14-20	12-15-21	13-16-22	13-17-24
	2-Way Corner	2-5-10	5-8-13	7-10-15	9-12-17	10-13-18	11-14-20	12-15-21	13-16-22	13-17-24
	2-Way Opposite	2-5-10	5-8-13	7-10-15	9-12-17	10-13-18	11-14-20	12-15-21	13-16-22	13-17-24
	1-Way	4-9-17	8-13-20	12-17-23	15-19-26	17-21-29	18-22-32	19-24-34	20-25-35	21-26-38
14" x 14" To	Air Flow (CFM)	157	236	314	393	471	550	629	707	786
	12" Round Sound (NC/RC)	—/—	11/—	14/14H	17/19H	21/22H	25/26N	30/29N	32/31N	35/33N
Throw (Feet)	4-Way	2-4-9	4-6-11	6-9-12	7-10-14	9-11-16	10-12-17	10-13-18	11-13-19	12-14-21
	3-Way	3-6-12	6-9-14	8-12-17	10-13-19	12-14-21	13-15-22	14-17-24	15-18-25	15-19-26
	2-Way Corner	3-6-12	6-9-14	8-12-17	10-13-19	12-14-21	13-15-22	14-17-24	15-18-25	15-19-26
	2-Way Opposite	3-6-12	6-9-14	8-12-17	10-13-19	12-14-21	13-15-22	14-17-24	15-18-25	15-19-26
	1-Way	4-10-19	10-15-23	13-19-26	17-21-29	19-23-32	20-25-35	22-26-38	23-38-40	25-29-42

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Round Neck Transition Options

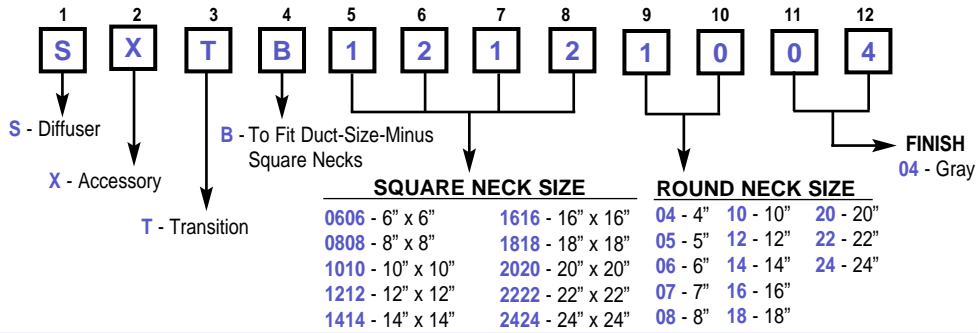
Application

A Round neck transition allows efficient installation when flex duct is used. It is available as a factory mounted option on the diffuser, or as a separate field-installed unit.

Features

- Round inlet is nominal size minus 1/8" to fit inside the flex duct of the same nominal size.
- Round inlet height is 1-1/4"
- Maximum round inlet size is the same as the square neck size it is fitting on to. For example, a 10" diameter is the largest inlet that will fit on a 10" x 10" square neck diffuser.

Model Numbering System



Gasket Option (Option G)

Application

Polyurethane gasket applied around the edge of the mounting frame on surface mount diffusers reduces air leakage at the edge of the frame.

NOTES:

Sq. & Rect. Louvered Diffusers