

Nominal Duct Size (in. x in.)	Core Velocity (fpm)	300	400	500	600	700	800	900	1000	1100
	Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.075
6" x 6" 0.25 ft ² Duct Area	Total Air Flow (cfm)	75	100	125	150	175	200	225	250	275
	Total Pressure (in. w.g.)	0.011	0.019	0.030	0.043	0.059	0.077	0.097	0.120	0.145
	NC (db)	--	--	--	17	22	27	30	34	36
	4-Way (1 Core) Throw (ft)	3-6-8	5-6-9	6-7-10	6-8-11	7-8-12	7-9-13	8-9-13	8-10-14	9-10-15
	3-Way (2 Core) Throw (ft)	6-8-11	7-9-13	8-10-14	9-11-16	10-12-17	11-13-18	11-14-19	12-14-20	12-15-21
	2-Way (3 Core) Throw (ft)	6-9-12	8-10-14	9-11-16	10-12-17	11-13-19	12-14-20	12-15-21	13-16-22	14-17-23
	1-Way (4 Core) Throw (ft)	8-11-16	10-13-18	12-14-20	13-16-22	14-17-24	15-18-25	16-19-27	16-20-28	17-21-30
8" x 8" 0.44 ft ² Duct Area	Total Air Flow (cfm)	133	178	222	266	311	355	400	444	489
	Total Pressure (in. w.g.)	0.013	0.023	0.360	0.053	0.071	0.093	0.118	0.146	0.177
	NC (db)	--	--	--	20	25	29	33	36	39
	4-Way (1 Core) Throw (ft)	4-7-10	6-8-12	8-9-13	8-10-15	9-11-16	10-12-17	10-13-18	11-13-19	11-14-20
	3-Way (2 Core) Throw (ft)	8-11-15	10-12-17	11-14-19	12-15-21	13-16-23	14-17-24	15-18-26	16-19-27	16-20-29
	2-Way (3 Core) Throw (ft)	6-9-12	8-10-14	9-11-16	10-12-17	11-13-19	12-14-20	12-15-21	13-16-22	14-17-23
	1-Way (4 Core) Throw (ft)	10-15-21	14-17-24	15-19-27	17-21-29	18-22-32	19-24-34	21-25-36	22-27-38	23-28-40
10" x 10" 0.69 ft ² Duct Area	Total Air Flow (cfm)	208	278	347	416	486	555	625	694	764
	Total Pressure (in. w.g.)	0.160	0.029	0.045	0.065	0.088	0.115	0.145	0.179	0.217
	NC (db)	--	--	17	21	26	29	32	35	38
	4-Way (1 Core) Throw (ft)	5-9-13	8-11-15	10-12-17	11-13-18	11-14-20	12-15-21	13-16-22	14-17-23	14-17-25
	3-Way (2 Core) Throw (ft)	9-14-19	12-15-21	14-17-24	15-19-29	16-20-28	18-21-30	19-23-32	20-24-34	21-25-36
	2-Way (3 Core) Throw (ft)	10-14-20	13-17-24	15-19-26	17-20-2+	18-22-31	19-24-33	20-25-35	22-26-37	23-28-39
	1-Way (4 Core) Throw (ft)	13-19-27	17-21-30	19-24-33	21-26-37	23-28-39	24-30-42	26-32-45	27-33-47	29-35-49
12" x 12" 1.00 ft ² Duct Area	Total Air Flow (cfm)	300	400	500	600	700	800	900	1000	1100
	Total Pressure (in. w.g.)	0.020	0.350	0.055	0.079	0.108	0.124	0.141	0.178	0.220
	NC (db)	--	--	200	25	29	33	36	39	41
	4-Way (1 Core) Throw (ft)	7-11-15	10-13-18	12-14-20	13-15-22	14-17-24	15-18-25	15-19-27	16-20-28	17-21-30
	3-Way (2 Core) Throw (ft)	12-16-22	15-18-26	17-20-29	18-22-32	20-24-34	21-26-36	22-27-39	24-29-41	25-32-44
	2-Way (3 Core) Throw (ft)	12-17-24	16-20-28	18-22-32	20-24-35	22-26-37	23-28-40	24-30-42	26-32-45	27-33-47
	1-Way (4 Core) Throw (ft)	16-23-32	21-25-36	23-28-40	25-31-44	27-33-47	29-36-51	31-38-54	33-40-57	34-42-60
14" x 14" 1.36 ft ² Duct Area	Total Air Flow (cfm)	408	544	681	817	953	1089	1225	1361	1497
	Total Pressure (in. w.g.)	0.024	0.043	0.067	0.097	0.132	0.151	0.175	0.217	0.268
	NC (db)	--	17	23	28	32	36	39	42	44
	4-Way (1 Core) Throw (ft)	7-13-18	11-15-21	13-16-23	15-18-25	16-19-28	17-21-29	18-22-31	19-23-33	20-24-34
	3-Way (2 Core) Throw (ft)	14-18-26	17-21-30	19-24-34	21-26-37	23-28-40	25-30-43	26-32-45	27-34-48	28-36-50
	2-Way (3 Core) Throw (ft)	14-20-29	19-23-33	21-26-37	23-29-40	25-31-44	27-33-47	29-35-49	30-37-52	32-39-55
	1-Way (4 Core) Throw (ft)	21-26-36	24-30-42	27-33-47	30-36-51	32-39-55	34-42-59	36-44-63	38-47-66	40-49-69
16" x 16" 1.78 ft ² Duct Area	Total Air Flow (cfm)	533	711	889	1067	1244	1422	1600	1778	1956
	Total Pressure (in. w.g.)	0.029	0.052	0.081	0.117	0.159	0.182	0.207	0.263	0.324
	NC (db)	--	20	26	31	35	39	42	45	47
	4-Way (1 Core) Throw (ft)	10-14-21	13-17-24	15-19-27	17-21-29	18-22-31	19-24-34	21-25-36	22-27-38	23-28-39
	3-Way (2 Core) Throw (ft)	16-21-30	20-24-34	22-27-38	24-30-42	26-32-45	28-34-49	30-36-52	31-38-54	32-40-56
	2-Way (3 Core) Throw (ft)	16-23-33	21-27-38	24-30-42	27-33-46	29-35-50	31-38-53	33-40-57	24-42-60	36-44-63
	1-Way (4 Core) Throw (ft)	24-29-41	28-34-48	31-38-53	34-41-58	36-45-63	39-48-68	41-51-68	44-53-75	46-55-78

Performance notes appear at the end of the performance data

Nominal Duct Size (in. x in.)	Core Velocity (fpm)	300	400	500	600	700	800	900	1000	1100
	Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.031	0.040	0.051	0.062	0.075
18" x 18" 2.25 ft ² Duct Area	Total Air Flow (cfm)	675	900	1125	1350	1575	1800	2025	2250	2475
	Total Pressure	0.035	0.062	0.097	0.139	0.190	0.248	0.314	0.387	0.469
	NC (db)	15	22	28	33	37	41	44	47	49
	4-Way (1 Core) Throw (ft)	10-17-23	15-19-27	17-21-30	19-23-33	20-25-35	22-27-38	23-28-40	24-30-42	26-31-44
	3-Way (2 Core) Throw (ft)	18-24-34	22-27-39	25-31-43	27-34-47	30-36-51	32-39-55	34-41-58	36-43-62	38-45-65
	2-Way (3 Core) Throw (ft)	21-26-37	24-30-42	27-34-47	30-37-52	32-40-56	35-42-60	37-45-64	39-47-67	41-50-70
	1-Way (4 Core) Throw (ft)	27-33-47	31-38-54	35-42-60	38-47-66	41-50-71	44-54-76	47-57-81	49-60-85	52-63-89
20" x 20" 2.78 ft ² Duct Area	Total Air Flow (cfm)	833	1111	1389	1667	1944	2222	2500	2778	3056
	Total Pressure	0.410	0.073	0.114	0.165	0.224	0.293	0.371	0.458	0.554
	NC (db)	17	24	30	35	39	43	46	49	52
	4-Way (1 Core) Throw (ft)	11-18-6	17-21-30	19-23-33	21-26-36	22-28-39	24-30-42	26-32-45	27-33-47	28-35-49
	3-Way (2 Core) Throw (ft)	20-26-37	25-30-43	28-34-48	30-37-53	33-40-57	35-43-61	37-46-64	39-48-68	41-51-71
	2-Way (3 Core) Throw (ft)	24-29-41	27-33-47	30-37-5	33-41-58	36-44-62	38-47-67	41-50-71	43-53-75	45-55-78
	1-Way (4 Core) Throw (ft)	30-37-52	34-42-60	39-47-67	42-52-73	46-56-79	49-60-84	52-63-89	55-67-94	58-70-99
22" x 22" 3.36 ft ² Duct Area	Total Air Flow (cfm)	1008	1344	1681	2017	2353	2689	3025	3361	3697
	Total Pressure	0.048	0.086	0.134	0.193	0.263	0.343	0.434	0.536	0.648
	NC (db)	19	26	32	37	41	45	48	51	53
	4-Way (1 Core) Throw (ft)	16-20-28	19-23-33	21-26-37	23-28-40	25-31-43	27-33-46	28-35-49	30-37-52	31-38-54
	3-Way (2 Core) Throw (ft)	22-29-41	27-33-47	31-37-53	33-41-58	36-44-63	39-47-67	42-50-71	44-53-75	46-56-79
	2-Way (3 Core) Throw (ft)	26-32-45	30-37-52	33-41-58	37-45-64	40-49-69	42-52-73	45-55-78	47-58-82	50-61-86
	1-Way (4 Core) Throw (ft)	33-40-57	38-46-66	42-52-73	46-57-80	50-61-87	54-66-93	57-72-99	61-74-105	64-78-110
24" x 24" 4.00 ft ² Duct Area	Total Air Flow (cfm)	1200	1600	2000	2400	2800	3200	3600	4000	4400
	Total Pressure	0.056	0.099	0.155	0.224	0.304	0.398	0.503	0.621	0.752
	NC (db)	20	28	34	39	43	47	50	53	55
	4-Way (1 Core) Throw (ft)	18-22-31	21-25-36	23-28-40	25-31-44	27-33-47	29-36-50	31-38-53	33-40-56	34-42-59
	3-Way (2 Core) Throw (ft)	26-32-45	30-36-52	33-41-58	36-45-63	39-48-68	42-52-73	45-55-78	47-58-82	49-61-86
	2-Way (3 Core) Throw (ft)	28-35-49	33-40-57	37-45-63	40-49-69	43-53-75	46-57-80	49-60-85	52-63-89	54-66-94
	1-Way (4 Core) Throw (ft)	36-44-62	41-51-72	46-57-80	51-62-88	55-67-95	58-72-101	62-76-107	65-80-113	68-84-119

- Throw data is given for isothermal conditions.
- Terminal Velocities are listed 150, 100 and 50 FPM.
- NC values are based on room absorption of 10dB re 10⁻¹² watts.
- Blanks "—" indicate NC value of less than 15dB.