

Nominal Duct Size (in.)	Nominal Duct Area (sq. ft.)	Core Area (sq. ft.)	Core Velocity (fpm)									
			300	400	500	600	700	800	1000	1200	1400	
			Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
			Total Pressure (in. w.g.)	0.013	0.023	0.036	0.050	0.070	0.091	0.142	0.203	0.277
6 X 6	0.25	0.18	Air Flow (cfm)	54	72	90	108	126	144	180	216	252
			NC (dB)	--	--	--	--	17	22	31	39	45
8 x 8	0.44	0.36	Air Flow (cfm)	108	144	180	216	252	288	360	432	504
			NC (dB)	--	--	--	--	17	23	32	39	45
14 x 6	0.58	0.47	Air Flow (cfm)	141	188	235	282	329	376	470	564	658
			NC (dB)	--	--	--	--	18	23	32	40	46
10 x 10	0.69	0.58	Air Flow (cfm)	174	232	290	348	406	464	580	696	812
			NC (dB)	--	--	--	--	18	24	33	40	46
12 x 12	1.00	0.87	Air Flow (cfm)	261	348	435	522	609	696	870	1044	1218
			NC (dB)	--	--	--	--	19	23	32	41	47
14 x14	1.36	1.21	Air Flow (cfm)	363	484	605	726	847	968	1210	1452	1694
			NC (dB)	--	--	--	--	19	24	34	41	47
22 x 10	1.53	1.36	Air Flow (cfm)	408	544	680	816	952	1088	1360	1632	1904
			NC (dB)	--	--	--	--	19	25	34	41	47
16 x 16	1.78	1.61	Air Flow (cfm)	483	644	805	966	1127	1288	1610	1932	2254
			NC (dB)	--	--	--	--	20	25	34	42	48
18 x 18	2.25	2.06	Air Flow (cfm)	618	824	1030	1236	1442	1648	2060	2472	2884
			NC (dB)	--	--	--	--	19	25	34	41	48
24 x 14	2.33	2.13	Air Flow (cfm)	639	852	1065	1278	1491	1704	2130	2556	2982
			NC (dB)	--	--	--	--	20	25	34	42	48
20 x 20	2.78	2.56	Air Flow (cfm)	768	1024	1280	1536	1792	2048	2560	3072	3584
			NC (dB)	--	--	--	--	20	25	35	42	48
22 x 22	3.36	3.13	Air Flow (cfm)	939	1252	1565	1878	2191	2504	3130	3756	4382
			NC (dB)	--	--	--	--	20	25	35	42	48
24 x 24	4.00	3.74	Air Flow (cfm)	1122	1496	1870	2244	2618	2992	3740	4488	5236
			NC (dB)	--	--	--	15	20	26	35	42	49
46 x 22	7.03	6.67	Air Flow (cfm)	2001	2668	3335	4002	4669	5336	6670	8004	9338
			NC (dB)	--	--	--	15	21	26	36	43	49

- NC values are based on room absorption of 10dB re 10<sup>-12</sup> watts.
- Blanks "--" indicate NC value of less than 15dB.