



ALEC5, ALEC10, ALEC15, ALEC5FF

PERFORMANCE BASED ON NOMINAL SIZES SHOWN IN BOLD

Nominal Duct Size (in.)	Nominal Duct Area sq. ft	Core Area sq. ft	Core Velocity Velocity Pressure 1x1x1 Neg. Ps ½x½x½ Neg. Ps	300		400		500		600		700		800		1000		1200		1400			
				0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122	0.152	0.228	0.266	0.312	0.364	0.418	0.476	0.534	0.592	0.650	0.708
				0.013	0.024	0.037	0.054	0.073	0.096	0.15	0.216	0.294	0.381	0.478	0.585	0.702	0.829	0.966	1.113	1.270	1.437	1.614	1.801
6x6	0.25	0.19	Airflow, cfm NC	57	76	95	114	133	152	171	190	208	227	246	265	284	303	322	341	360	379	398	
8x6	0.33	0.26	Airflow, cfm NC	78	104	130	156	182	208	234	260	286	312	338	364	390	416	442	468	494	520	546	
10x6	0.42	0.34	Airflow, cfm NC	102	136	170	204	238	272	306	340	374	408	442	476	510	544	578	612	646	680	714	
8x8	0.44	0.37	Airflow, cfm NC	111	148	185	222	259	296	333	370	407	444	481	518	555	592	629	666	703	740	777	
12x6	0.50	0.41	Airflow, cfm NC	123	164	205	246	287	328	369	410	451	492	533	574	615	656	697	738	779	820	861	
14x6	0.58	0.48	Airflow, cfm NC	144	192	240	288	336	384	432	480	528	576	624	672	720	768	816	864	912	960	1008	
16x6	0.67	0.57	Airflow, cfm	171	228	285	342	399	456	513	570	627	684	741	798	855	912	969	1026	1083	1140	1197	
12x8			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10x10	0.69	0.59	Airflow, cfm NC	177	236	295	354	413	472	531	590	649	708	767	826	885	944	1003	1062	1121	1180	1239	
18x6	0.75	0.63	Airflow, cfm NC	189	252	315	378	441	504	567	630	693	756	819	882	945	1008	1071	1134	1197	1260	1323	
20x6	0.83	0.72	Airflow, cfm	216	288	360	432	504	576	648	720	792	864	936	1008	1080	1152	1224	1296	1368	1440	1512	
12x10			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22x6	0.92	0.77	Airflow, cfm NC	231	308	385	462	539	616	693	770	847	924	1001	1078	1155	1232	1309	1386	1463	1540	1617	
24x6	1.00	0.88	Airflow, cfm	264	352	440	528	616	704	792	880	968	1056	1144	1232	1320	1408	1496	1584	1672	1760	1848	
12x12			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30x6	1.25	1.11	Airflow, cfm	333	444	555	666	777	888	999	1110	1221	1332	1443	1554	1665	1776	1887	1998	2109	2220	2331	
18x10			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14x14	1.36	1.22	Airflow, cfm NC	366	488	610	732	854	976	1098	1220	1342	1464	1586	1708	1830	1952	2074	2196	2318	2440	2562	
36x6	1.50	1.35	Airflow, cfm	405	540	675	810	945	1080	1215	1350	1485	1620	1755	1890	2025	2160	2295	2430	2565	2700	2835	
18x12			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22x10	1.53	1.37	Airflow, cfm NC	411	548	685	822	959	1096	1233	1370	1507	1644	1781	1918	2055	2192	2329	2466	2603	2740	2877	
30x8	1.67	1.49	Airflow, cfm	447	596	745	894	1043	1192	1341	1490	1639	1788	1937	2086	2235	2384	2533	2682	2831	2980	3129	
24x10			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42x6	1.75	1.59	Airflow, cfm	477	636	795	954	1113	1272	1431	1590	1749	1908	2067	2226	2385	2544	2703	2862	3021	3180	3339	
18x14			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16x16	1.78	1.62	Airflow, cfm NC	486	648	810	972	1134	1296	1458	1620	1782	1944	2106	2268	2430	2592	2754	2916	3078	3240	3402	
24x12	2.00	1.82	Airflow, cfm	546	728	910	1092	1274	1456	1638	1820	2002	2184	2366	2548	2730	2912	3094	3276	3458	3640	3822	
18x16			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18x18	2.25	2.07	Airflow, cfm NC	621	828	1035	1242	1449	1656	1863	2070	2277	2484	2691	2898	3105	3312	3519	3726	3933	4140	4347	
24x14	2.33	2.14	Airflow, cfm NC	642	856	1070	1284	1498	1712	1926	2140	2354	2568	2782	2996	3210	3424	3638	3852	4066	4280	4494	
30x12	2.50	2.29	Airflow, cfm NC	687	916	1145	1374	1603	1832	2061	2290	2519	2748	2977	3206	3435	3664	3893	4122	4351	4580	4809	
24x16	2.67	2.46	Airflow, cfm NC	738	984	1230	1476	1722	1968	2214	2460	2706	2952	3198	3444	3690	3936	4182	4428	4674	4920	5166	
20x20	2.78	2.57	Airflow, cfm NC	771	1028	1285	1542	1799	2056	2313	2570	2827	3084	3341	3598	3855	4112	4369	4626	4883	5140	5397	
36x12	3.00	2.75	Airflow, cfm NC	825	1100	1375	1650	1925	2200	2475	2750	3025	3300	3575	3850	4125	4400	4675	4950	5225	5500	5775	
30x16	3.33	3.11	Airflow, cfm	933	1244	1555	1866	2177	2488	2799	3110	3421	3732	4043	4354	4665	4976	5287	5598	5909	6220	6531	
24x20			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22x22	3.36	3.14	Airflow, cfm NC	942	1256	1570	1884	2198	2512	2826	3140	3454	3768	4082	4396	4710	5024	5338	5652	5966	6280	6594	
42x12	3.50	3.22	Airflow, cfm	966	1288	1610	1932	2254	2576	2898	3220	3542	3864	4186	4508	4830	5152	5474	5796	6118	6440	6762	
36x14			NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24x22	3.67	3.43	Airflow, cfm NC	1029	1372	1715	2058	2401	2744	3087	3430	3773	4116	4459	4802	5145	5488	5831	6174	6517	6860	7203	
30x18	3.75	3.50	Airflow, cfm NC	1050	1400	1750	2100	2450	2800	3150	3500	3850	4200	4550	4900	5250	5600	5950	6300	6650	7000	7350	

• Static pressures are negative, in inches of water, measured per ANSI/ASHRAE Standard 70-2006

• NC based on room absorption of 10dB, re 10⁻¹² watts, measured per ANSI/ASHRAE Standard 70-2006

