

Performance Data

Models: 8F, 8FF, 8R, 8RF, and 8SS

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 Neg. Static Pressure	NC 10				NC 20			NC 30		NC 40
				300 0.010 0.051	400 0.016 0.079	500 0.022 0.114	600 0.031 0.156	700 0.040 0.203	800 0.062 0.318	1000 0.090 0.458	1200 0.122 0.623	1400 0.12 0.62	
6x6	0.25	0.19	Airflow, cfm NC	57 -	76 -	95 -	114 -	133 13	152 16	190 21	228 26	266 30	
8x6	0.33	0.26	Airflow, cfm NC	78 -	104 -	130 -	156 -	182 14	208 17	260 23	312 27	364 31	
10x6	0.42	0.34	Airflow, cfm NC	102 -	136 -	170 -	204 11	238 15	272 18	340 24	408 28	476 32	
8x8	0.44	0.37	Airflow, cfm NC	111 -	148 -	185 -	222 12	259 15	296 19	370 24	444 29	518 33	
12x6	0.5	0.41	Airflow, cfm NC	123 -	164 -	205 -	246 12	287 16	328 19	410 25	492 29	574 33	
14x6	0.58	0.48	Airflow, cfm NC	144 -	192 -	240 -	288 13	336 17	384 20	480 25	576 30	672 34	
16x6			Airflow, cfm	171	228	285	342	399	456	570	684	798	
12x8	0.67	0.57	Airflow, cfm NC	- -	- -	- -	14 17	17 21	21 26	31 36	34 39	34 39	
10x10	0.69	0.59	Airflow, cfm NC	177 -	236 -	295 -	354 14	413 18	472 21	590 26	708 31	826 35	
18x6	0.75	0.63	Airflow, cfm NC	189 -	252 -	315 -	378 14	441 18	504 21	630 27	756 31	882 35	
20x6			Airflow, cfm	216	288	360	432	504	576	720	864	1008	
12x10	0.83	0.72	Airflow, cfm NC	- -	- -	- -	15 19	18 22	22 27	32 37	32 37	35 39	
22x6	0.92	0.77	Airflow, cfm NC	231 -	308 -	385 -	462 15	539 19	616 22	770 27	924 32	1078 36	
24x6			Airflow, cfm	264	352	440	528	616	704	880	1056	1232	
12x12	1	0.88	Airflow, cfm NC	- -	- -	11 15	15 19	19 23	23 28	28 32	32 36	36 40	
30x6			Airflow, cfm	333	444	555	666	777	888	1110	1332	1554	
18x10	1.25	1.11	Airflow, cfm NC	- -	- -	12 16	16 20	20 24	24 29	29 33	33 37	37 41	
14x14	1.36	1.22	Airflow, cfm NC	366 -	488 -	610 12	732 17	854 21	976 24	1220 29	1464 34	1708 38	
36x6			Airflow, cfm	405	540	675	810	945	1080	1350	1620	1890	
18x12	1.5	1.35	Airflow, cfm NC	- -	- -	13 17	17 21	21 24	24 29	30 34	34 38	38 42	
22x10	1.53	1.37	Airflow, cfm NC	411 -	548 -	685 13	822 17	959 21	1096 24	1370 30	1644 34	1918 38	
30x8			Airflow, cfm	447	596	745	894	1043	1192	1490	1788	2086	
24x10	1.67	1.49	Airflow, cfm NC	- -	- -	13 18	18 22	22 25	25 30	30 35	35 39	39 43	
42x6			Airflow, cfm	477	636	795	954	1113	1272	1590	1908	2226	
18x14	1.75	1.59	Airflow, cfm NC	- -	- -	14 18	18 22	22 25	25 31	31 35	35 39	39 43	
16x16	1.78	1.62	Airflow, cfm NC	486 -	648 -	810 14	972 18	1134 22	1296 25	1620 31	1944 35	2268 39	
24x12			Airflow, cfm	546	728	910	1092	1274	1456	1820	2184	2548	
18x16			Airflow, cfm	-	-	14	19	22	26	31	36	39	
18x18	2	1.82	Airflow, cfm NC	621 -	828 -	1035 15	1242 19	1449 23	1656 26	2070 32	2484 36	2898 40	
24x14	2.33	2.14	Airflow, cfm NC	642 -	856 -	1070 15	1284 19	1498 23	1712 26	2140 32	2568 36	2996 40	
30x12	2.5	2.29	Airflow, cfm NC	687 -	916 -	1145 15	1374 20	1603 23	1832 27	2290 32	2748 37	3206 40	
24x16	2.67	2.46	Airflow, cfm NC	738 -	984 -	1230 15	1476 20	1722 24	1968 27	2460 32	2952 37	3444 41	
20x20	2.78	2.57	Airflow, cfm NC	771 -	1028 -	1285 16	1542 20	1799 24	2056 27	2570 33	3084 37	3598 41	
36x12	3	2.75	Airflow, cfm NC	825 -	1100 -	1375 16	1650 20	1925 24	2200 27	2750 33	3300 37	3850 41	
30x16			Airflow, cfm	933	1244	1555	1866	2177	2488	3110	3732	4354	
24x20	3.33	3.11	Airflow, cfm NC	- -	11 16	16 21	21 25	25 28	28 33	33 38	38 42	42 46	
22x22	3.36	3.14	Airflow, cfm NC	942 -	1256 11	1570 17	1884 21	2198 25	2512 28	3140 34	3768 38	4396 42	
42x12			Airflow, cfm	966	1288	1610	1932	2254	2576	3220	3864	4508	
36x14			Airflow, cfm	-	11	17	21	25	28	34	38	42	
24x22	3.67	3.43	Airflow, cfm NC	1029 -	1372 11	1715 17	2058 21	2401 25	2744 28	3430 34	4116 38	4802 42	
30x18	3.75	3.5	Airflow, cfm NC	1050 -	1400 12	1750 17	2100 21	2450 25	2800 29	3500 34	4200 38	4900 42	

Performance Data

- Static pressures are negative, in inches of water, measured per ANSI/ASHRAE Standard 70-91.

- NC based on room absorption of 10dB, re 10⁻¹² watts, measured per ANSI/ASHRAE Standard 70-91.