

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 14	17 17	21 21	26 26	31 31	34 34
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 15	18 18	22 22	27 27	32 32	35 35
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 11	15 15	19 19	23 23	28 28	32 32	36 36
30x6			Airflow, cfm	333	444	555	666	777	888	1110	1332	1554
18x10	1.25	1.11	Airflow, cfm NC	- -	- -	12 12	16 16	20 20	24 24	29 29	33 33	37 37
14x14	1.36	1.22	Airflow, cfm NC	366 -	488 -	610 -	732 12	854 17	976 21	1220 24	1464 29	1708 34
36x6			Airflow, cfm	405	540	675	810	945	1080	1350	1620	1890
18x12	1.5	1.35	Airflow, cfm NC	- -	- -	13 13	17 17	21 21	24 24	30 30	34 34	38 38
22x10	1.53	1.37	Airflow, cfm NC	411 -	548 -	685 -	822 13	959 17	1096 21	1370 24	1644 30	1918 34
30x8			Airflow, cfm	447	596	745	894	1043	1192	1490	1788	2086
24x10	1.67	1.49	Airflow, cfm NC	- -	- -	13 13	18 18	22 22	25 25	30 30	35 35	39 39
42x6			Airflow, cfm	477	636	795	954	1113	1272	1590	1908	2226
18x14	1.75	1.59	Airflow, cfm NC	- -	- -	14 14	18 18	22 22	25 25	31 31	35 35	39 39
16x16	1.78	1.62	Airflow, cfm NC	486 -	648 -	810 -	972 14	1134 18	1296 22	1620 25	1944 31	2268 35
24x12	2	1.82	Airflow, cfm NC	546 -	728 -	910 -	1092 14	1274 19	1456 22	1820 26	2184 31	2548 36
18x18	2.25	2.07	Airflow, cfm NC	621 -	828 -	1035 -	1242 15	1449 19	1656 23	2070 26	2484 32	2898 36
24x14	2.33	2.14	Airflow, cfm NC	642 -	856 -	1070 -	1284 15	1498 19	1712 23	2140 26	2568 32	2996 36
30x12	2.5	2.29	Airflow, cfm NC	687 -	916 -	1145 -	1374 15	1603 20	1832 23	2290 27	2748 32	3206 37
24x16	2.67	2.46	Airflow, cfm NC	738 -	984 -	1230 -	1476 15	1722 20	1968 24	2460 27	2952 32	3444 37
20x20	2.78	2.57	Airflow, cfm NC	771 -	1028 -	1285 -	1542 16	1799 20	2056 24	2570 27	3084 33	3598 37
36x12	3	2.75	Airflow, cfm NC	825 -	1100 -	1375 -	1650 16	1925 20	2200 24	2750 27	3300 33	3850 37
30x16			Airflow, cfm	933	1244	1555	1866	2177	2488	3110	3732	4354
24x20	3.33	3.11	Airflow, cfm NC	- -	11 11	16 16	21 21	25 25	28 28	33 33	38 38	42 42
22x22	3.36	3.14	Airflow, cfm NC	942 -	1256 -	1570 -	1884 11	2198 17	2512 21	3140 25	3768 28	4396 34
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 -	1715 -	2058 11	2401 17	2744 21	3430 25	4116 28	4802 34
30x18	3.75	3.5	Airflow, cfm NC	1050 -	1400 -	1750 -	2100 12	2450 17	2800 21	3500 25	4200 29	4900 34

L13

PERFORMANCE DATA

• 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.

