

### Performance Data

Models: 50F, 50F-NT, 50R-SS and 50FF

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 1/2x1/2x1/2 Neg. Ps	NC 20					NC 30		NC 40		
				300 0.006 0.013	400 0.01 0.024	500 0.016 0.037	600 0.022 0.054	700 0.031 0.073	800 0.04 0.096	1000 0.062 0.15	1200 0.09 0.216	1400 0.122 0.294	
<b>6x6</b>	0.25	0.19	Airflow, cfm NC	57 -	76 -	95 -	114 10	133 17	152 22	190 31	228 39	266 45	
<b>8x6</b>	0.33	0.26	Airflow, cfm NC	78 -	104 -	130 -	156 10	182 17	208 22	260 31	312 39	364 45	
<b>10x6</b>	0.42	0.34	Airflow, cfm NC	102 -	136 -	170 -	204 11	238 17	272 23	340 32	408 39	476 46	
<b>8x8</b>	0.44	0.37	Airflow, cfm NC	111 -	148 -	185 -	222 11	259 17	296 23	370 32	444 39	518 46	
<b>12x6</b>	0.50	0.41	Airflow, cfm NC	123 -	164 -	205 -	246 11	287 18	328 23	410 32	492 40	574 46	
<b>14x6</b>	0.58	0.48	Airflow, cfm NC	144 -	192 -	240 -	288 11	336 18	384 23	480 32	576 40	672 46	
16x6 <b>12x8</b>	0.67	0.57	Airflow, cfm NC	171 -	228 -	285 -	342 12	399 18	456 23	570 32	684 40	798 46	
<b>10x10</b>	0.69	0.59	Airflow, cfm NC	177 -	236 -	295 -	354 12	413 18	472 23	590 33	708 40	826 46	
<b>18x6</b>	0.75	0.63	Airflow, cfm NC	189 -	252 -	315 -	378 12	441 18	504 24	630 33	756 40	882 46	
20x6 <b>12x10</b>	0.83	0.72	Airflow, cfm NC	216 -	288 -	360 -	432 12	504 18	576 24	720 33	864 40	1008 46	
<b>22x6</b>	0.92	0.77	Airflow, cfm NC	231 -	308 -	385 -	462 12	539 18	616 24	770 33	924 40	1078 47	
24x6 <b>12x12</b>	1.00	0.88	Airflow, cfm NC	264 -	352 -	440 -	528 12	616 18	704 24	880 33	1056 40	1232 47	
30x6 <b>18x10</b>	1.25	1.11	Airflow, cfm NC	333 -	444 -	555 -	666 13	777 19	888 24	1110 34	1332 41	1554 47	
<b>14x14</b>	1.36	1.22	Airflow, cfm NC	366 -	488 -	610 -	732 13	854 19	976 24	1220 34	1464 41	1708 47	
36x6 <b>18x12</b>	1.50	1.35	Airflow, cfm NC	405 -	540 -	675 -	810 13	945 19	1080 24	1350 34	1620 41	1890 47	
<b>22x10</b>	1.53	1.37	Airflow, cfm NC	411 -	548 -	685 -	822 13	959 19	1096 25	1370 34	1644 41	1918 47	
30x8 <b>24x10</b>	1.67	1.49	Airflow, cfm NC	447 -	596 -	745 -	894 13	1043 19	1192 25	1490 34	1788 41	2086 47	
42x6 <b>18x14</b>	1.75	1.59	Airflow, cfm NC	477 -	636 -	795 -	954 13	1113 19	1272 25	1590 34	1908 41	2226 47	
<b>16x16</b>	1.78	1.62	Airflow, cfm NC	486 -	648 -	810 -	972 13	1134 19	1296 25	1620 34	1944 41	2268 48	
<b>24x12</b> 18x16	2.00	1.82	Airflow, cfm NC	546 -	728 -	910 -	1092 13	1274 19	1456 25	1820 34	2184 41	2548 48	
<b>18x18</b>	2.25	2.07	Airflow, cfm NC	621 -	828 -	1035 -	1242 13	1449 19	1656 25	2070 34	2484 41	2898 48	
<b>24x14</b>	2.33	2.14	Airflow, cfm NC	642 -	856 -	1070 -	1284 13	1498 20	1712 25	2140 34	2568 42	2996 48	
<b>30x12</b>	2.50	2.29	Airflow, cfm NC	687 -	916 -	1145 -	1374 13	1603 20	1832 25	2290 34	2748 42	3206 48	
<b>24x16</b>	2.67	2.46	Airflow, cfm NC	738 -	984 -	1230 -	1476 13	1722 20	1968 25	2460 34	2952 42	3444 48	
<b>20x20</b>	2.78	2.57	Airflow, cfm NC	771 -	1028 -	1285 -	1542 13	1799 20	2056 25	2570 34	3084 42	3598 48	
<b>36x12</b>	3.00	2.75	Airflow, cfm NC	825 -	1100 -	1375 -	1650 14	1925 20	2200 25	2750 34	3300 42	3850 48	
30x16 <b>24x20</b>	3.33	3.11	Airflow, cfm NC	933 -	1244 -	1555 -	1866 14	2177 20	2488 25	3110 35	3732 42	4354 48	
<b>22x22</b>	3.36	3.14	Airflow, cfm NC	942 -	1256 -	1570 -	1884 14	2198 20	2512 25	3140 35	3768 42	4396 48	
<b>42x12</b> 36x14	3.50	3.22	Airflow, cfm NC	966 -	1288 -	1610 -	1932 14	2254 20	2576 26	3220 35	3864 42	4508 48	
<b>24x22</b>	3.67	3.43	Airflow, cfm NC	1029 -	1372 -	1715 -	2058 14	2401 20	2744 26	3430 35	4116 42	4802 48	
<b>30x18</b>	3.75	3.50	Airflow, cfm NC	1050 -	1400 -	1750 -	2100 14	2450 20	2800 26	3500 35	4200 42	4900 48	



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<sup>-12</sup> watts, measured per ANSI/ASHRAE Standard 70-2006.