



Performance Data

350R, 350F and 350R-SS

Performance based on nominal sizes shown in bold.

NC-20

Nominal Duct Size (in.)	Nominal Duct Area (ft ²)	Core Area (ft ²)	Core Velocity Velocity Pressure Neg. Static Pressure	100	200	300	400	500	600	700	800	900
				0.001 0.002	0.002 0.008	0.006 0.018	0.010 0.032	0.016 0.051	0.022 0.073	0.031 0.099	0.040 0.130	0.050 0.164
6x6	0.25	0.19	Airflow, cfm NC	19 -	38 -	57 -	76 -	95 -	114 13	133 19	152 25	171 29
8x6	0.33	0.26	Airflow, cfm NC	26 -	52 -	78 -	104 -	130 -	156 15	182 20	208 26	234 30
10x6	0.42	0.34	Airflow, cfm NC	34 -	68 -	102 -	136 -	170 -	204 16	238 21	272 28	306 32
8x8	0.44	0.37	Airflow, cfm NC	37 -	74 -	111 -	148 -	185 -	222 16	259 22	296 28	333 32
12x6	0.5	0.41	Airflow, cfm NC	41 -	82 -	123 -	164 -	205 -	246 17	287 22	328 30	369 34
14x6	0.58	0.48	Airflow, cfm NC	48 -	96 -	144 -	192 -	240 -	288 18	336 24	384 30	432 34
16x6			Airflow, cfm	57	114	171	228	285	342	399	456	513
12x8	0.67	0.57	NC	-	-	-	-	10	19	25	30	35
10x10	0.69	0.59	Airflow, cfm NC	59 -	118 -	177 -	236 -	295 10	354 19	413 25	472 31	531 35
18x6	0.75	0.63	Airflow, cfm NC	63 -	126 -	189 -	252 -	315 10	378 19	441 25	504 32	567 35
20x6			Airflow, cfm	72	144	216	288	360	432	504	576	648
12x10	0.83	0.72	NC	-	-	-	-	11	19	25	30	35
22x6	0.92	0.77	Airflow, cfm NC	77 -	154 -	231 -	308 -	385 11	462 19	539 25	616 30	693 35
24x6			Airflow, cfm	88	176	264	352	440	528	616	704	792
12x12	1	0.88	NC	-	-	-	-	11	19	25	30	35
30x6			Airflow, cfm	111	222	333	444	555	666	777	888	999
18x10	1.25	1.11	NC	-	-	-	-	12	20	26	32	35
14x14	1.36	1.22	Airflow, cfm NC	122 -	244 -	366 -	488 -	610 12	732 20	854 27	976 32	1098 35
36x6			Airflow, cfm	135	270	405	540	675	810	945	1080	1215
18x12	1.5	1.35	NC	-	-	-	-	13	20	27	32	35
22x10	1.53	1.37	Airflow, cfm NC	137 -	274 -	411 -	548 -	685 13	822 20	959 27	1096 32	1233 36
30x8			Airflow, cfm	149	298	447	596	745	894	1043	1192	1341
24x10	1.67	1.49	NC	-	-	-	-	14	21	27	33	37
42x6			Airflow, cfm	159	318	477	636	795	954	1113	1272	1431
18x14	1.75	1.59	NC	-	-	-	-	14	21	27	33	37
16x16	1.78	1.62	Airflow, cfm NC	162 -	324 -	486 -	648 -	810 14	972 21	1134 27	1296 33	1458 37
24x12	2	1.82	Airflow, cfm NC	182 -	364 -	546 -	728 -	910 14	1092 21	1274 28	1456 33	1638 38
18x18	2.25	2.07	Airflow, cfm NC	207 -	414 -	621 -	828 -	1035 14	1242 21	1449 28	1656 33	1863 38
24x14	2.33	2.14	Airflow, cfm NC	214 -	428 -	642 -	856 -	1070 14	1284 22	1498 28	1712 33	1926 38
30x12	2.5	2.29	Airflow, cfm NC	229 -	458 -	687 -	916 -	1145 15	1374 22	1603 28	1832 33	2061 38
24x16	2.67	2.46	Airflow, cfm NC	246 -	492 -	738 -	984 -	1230 15	1476 22	1722 29	1968 34	2214 39
20x20	2.78	2.57	Airflow, cfm NC	257 -	514 -	771 -	1028 -	1285 16	1542 23	1799 29	2056 34	2313 39
36x12	3	2.75	Airflow, cfm NC	275 -	550 -	825 -	1100 -	1375 16	1650 23	1925 29	2200 34	2475 39
30x16	3.33	3.11	Airflow, cfm NC	311 -	622 -	933 -	1244 -	1555 17	1866 24	2177 30	2488 35	2799 40
22x22	3.36	3.14	Airflow, cfm NC	314 -	628 -	942 -	1256 -	1570 17	1884 24	2198 30	2512 35	2826 40
42x12			Airflow, cfm	322	644	966	1288	1610	1932	2254	2576	2898
36x14	3.5	3.22	NC	-	-	-	-	17	24	30	36	40
24x22	3.67	3.43	Airflow, cfm NC	343 -	686 -	1029 -	1372 -	1715 17	2058 24	2401 30	2744 36	3087 40
30x18	3.75	3.5	Airflow, cfm NC	350 -	700 -	1050 -	1400 -	1750 17	2100 24	2450 30	2800 36	3150 40

NC-30

NC-40

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

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

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Performance Data