



Performance Data

Stainless Steel Eggcrate

NC 10							NC 20			NC 30			NC 40
Nominal Duct Size (in.)	Nominal Duct Area (ft ²)	Core Area (ft ²)	Core Velocity Velocity Pressure 1" Neg. Static Pressure 1/2" Neg. Static Pressure	300 0.006 0.013 0.013	400 0.010 0.024 0.024	500 0.016 0.037 0.037	600 0.022 0.054 0.053	700 0.031 0.073 0.073	800 0.040 0.096 0.095	1000 0.062 0.150 0.148	1200 0.090 0.216 0.213	1400 0.122 0.294 0.290	
6x6	0.25	0.19	Air Flow, cfm NC	57 -	76 -	95 -	114 11	133 16	152 20	190 28	228 34	266 39	
8x6	0.33	0.26	Air Flow, cfm NC	78 -	104 -	130 -	156 12	182 17	208 22	260 29	312 35	364 40	
10x6	0.42	0.34	Air Flow, cfm NC	102 -	136 -	170 -	204 13	238 19	272 23	340 30	408 36	476 41	
8x8	0.44	0.37	Air Flow, cfm NC	111 -	148 -	185 -	222 14	259 19	296 23	370 31	444 37	518 42	
12x6	0.50	0.41	Air Flow, cfm NC	123 -	164 -	205 -	246 14	287 19	328 24	410 31	492 37	574 42	
14x6	0.58	0.48	Air Flow, cfm NC	144 -	192 -	240 -	288 15	336 20	384 24	480 32	576 38	672 43	
16x6			Air Flow, cfm	171	228	285	342	399	456	570	684	798	
12x8	0.67	0.57	Air Flow, cfm NC	- -	- -	- -	16 21	21 25	25 33	33 38	44 44		
10x10	0.69	0.59	Air Flow, cfm NC	177 -	236 -	295 -	354 16	413 21	472 25	590 33	708 39	826 44	
18x6	0.75	0.63	Air Flow, cfm NC	189 -	252 -	315 -	378 16	441 21	504 26	630 33	756 39	882 44	
20x6			Air Flow, cfm	216	288	360	432	504	576	720	864	1008	
12x10	0.83	0.72	Air Flow, cfm NC	- -	- -	11 17	17 22	22 26	26 34	34 40	40 45		
22x6	0.92	0.77	Air Flow, cfm NC	231 -	308 -	385 11	462 17	539 22	616 26	770 34	924 40	1078 45	
24x6			Air Flow, cfm	264	352	440	528	616	704	880	1056	1232	
12x12	1.00	0.88	Air Flow, cfm NC	- -	- -	12 18	18 23	23 27	27 34	34 40	40 45		
30x6			Air Flow, cfm	333	444	555	666	777	888	1110	1332	1554	
18x10	1.25	1.11	Air Flow, cfm NC	- -	- -	13 19	19 24	24 28	28 35	35 41	41 46		
14x14	1.36	1.22	Air Flow, cfm NC	366 -	488 -	610 13	732 19	854 24	976 28	1220 36	1464 42	1708 47	
36x6			Air Flow, cfm	405	540	675	810	945	1080	1350	1620	1890	
18x12	1.50	1.35	Air Flow, cfm NC	- -	- -	14 19	19 25	25 29	29 36	36 42	42 47		
22x10	1.53	1.37	Air Flow, cfm NC	411 -	548 -	685 14	822 20	959 25	1096 29	1370 36	1644 42	1918 47	
30x8			Air Flow, cfm	447	596	745	894	1043	1192	1490	1788	2086	
24x10	1.67	1.49	Air Flow, cfm NC	- -	- -	14 20	20 25	25 29	29 37	37 43	43 48		
42x6			Air Flow, cfm	477	636	795	954	1113	1272	1590	1908	2226	
18x14	1.75	1.59	Air Flow, cfm NC	- -	- -	14 20	20 25	25 30	30 37	37 43	43 48		
16x16	1.78	1.62	Air Flow, cfm NC	486 -	648 -	810 14	972 20	1134 25	1296 30	1620 37	1944 43	2268 48	
24x12	2.00	1.82	Air Flow, cfm NC	546 -	728 -	910 15	1092 21	1274 26	1456 30	1820 38	2184 44	2548 49	
18x16			Air Flow, cfm	621	828	1035	1242	1449	1656	2070	2484	2898	
18x18	2.25	2.07	Air Flow, cfm NC	- -	- -	15 21	21 26	26 31	31 38	38 44	44 49		
24x14	2.33	2.14	Air Flow, cfm NC	642 -	856 -	1070 16	1284 21	1498 27	1712 31	2140 38	2568 44	2996 49	
30x12	2.50	2.29	Air Flow, cfm NC	687 -	916 -	1145 16	1374 22	1603 27	1832 31	2290 39	2748 45	3206 50	
24x16	2.67	2.46	Air Flow, cfm NC	738 -	984 -	1230 16	1476 22	1722 27	1968 32	2460 39	2952 45	3444 50	
20x20	2.78	2.57	Air Flow, cfm NC	771 -	1028 -	1285 16	1542 22	1799 27	2056 32	2570 39	3084 45	3598 50	
36x12	3.00	2.75	Air Flow, cfm NC	825 -	1100 -	1375 17	1650 23	1925 28	2200 32	2750 39	3300 45	3850 50	
30x16	3.33	3.11	Air Flow, cfm	933	1244	1555	1866	2177	2488	3110	3732	4354	
24x20			Air Flow, cfm NC	- -	- -	17 23	23 28	28 33	33 40	40 46	46 51		
22x22	3.36	3.14	Air Flow, cfm NC	942 -	1256 -	1570 17	1884 23	2198 28	2512 33	3140 40	3768 46	4396 51	
42x12			Air Flow, cfm	966	1288	1610	1932	2254	2576	3220	3864	4508	
36x14	3.50	3.22	Air Flow, cfm NC	- -	- -	17 23	23 28	28 33	33 40	40 46	46 51		
24x22	3.67	3.43	Air Flow, cfm NC	1029 -	1372 -	1715 18	2058 24	2401 29	2744 33	3430 40	4116 46	4802 51	
30x18	3.75	3.5	Air Flow, cfm NC	1050 -	1400 -	1750 18	2100 24	2450 29	2800 33	3500 40	4200 46	4900 51	

NC 50

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				NC 10		NC 20		NC 30		NC 40		NC 50	
Nominal Duct Size (in.)	Nominal Duct Area (ft ²)	Core Area (ft ²)	Core Velocity Velocity Pressure 3F Neg. Static Pressure 4F Neg. Static Pressure	300 0.006 0.013 0.013	400 0.010 0.024 0.024	500 0.016 0.037 0.037	600 0.022 0.054 0.053	700 0.031 0.073 0.073	800 0.040 0.096 0.095	1000 0.062 0.150 0.148	1200 0.090 0.216 0.213	1400 0.122 0.294 0.290	
48x12	4.00	3.75	Air Flow, cfm	1125	1500	1875	2250	2625	3000	3750	4500	5250	
24x24			NC	-	11	18	24	29	33	41	47	52	
36x18	4.50	4.22	Air Flow, cfm	1266	1688	2110	2532	2954	3376	4220	5064	5908	
36x20			NC	-	11	18	24	29	34	41	47	52	
30x24	5.00	4.71	Air Flow, cfm	1413	1884	2355	2826	3297	3768	4710	5652	6594	
30x24			NC	-	12	19	25	30	34	42	48	53	
42x18	5.25	4.94	Air Flow, cfm	1482	1976	2470	2964	3458	3952	4940	5928	6916	
42x18			NC	-	12	19	25	30	35	42	48	53	
28x28	5.44	5.16	Air Flow, cfm	1548	2064	2580	3096	3612	4128	5160	6192	7224	
42x20			NC	-	12	19	25	30	35	42	48	53	
30x28	5.83	5.51	Air Flow, cfm	1653	2204	2755	3306	3857	4408	5510	6612	7714	
30x28			NC	-	12	20	26	31	35	42	48	53	
48x18	6.00	5.66	Air Flow, cfm	1698	2264	2830	3396	3962	4528	5660	6792	7924	
36x24			NC	-	12	20	26	31	35	42	48	54	
30x30	6.25	5.94	Air Flow, cfm	1782	2376	2970	3564	4158	4752	5940	7128	8316	
42x24			NC	-	13	20	26	31	35	43	49	54	
36x28	7.00	6.66	Air Flow, cfm	1998	2664	3330	3996	4662	5328	6660	7992	9324	
36x28			NC	-	13	20	26	31	36	43	49	54	
46x22	7.03	6.68	Air Flow, cfm	2004	2672	3340	4008	4676	5344	6680	8016	9352	
46x22			NC	-	13	20	26	31	36	43	49	54	
32x32	7.11	6.78	Air Flow, cfm	2034	2712	3390	4068	4746	5424	6780	8136	9492	
32x32			NC	-	13	21	26	32	36	43	49	54	
36x30	7.50	7.16	Air Flow, cfm	2148	2864	3580	4296	5012	5728	7160	8592	10024	
48x24			NC	-	13	21	27	32	36	43	49	55	
36x32	8.00	7.63	Air Flow, cfm	2289	3052	3815	4578	5341	6104	7630	9156	10682	
36x32			NC	-	14	21	27	32	36	44	50	55	
34x34	8.03	7.68	Air Flow, cfm	2304	3072	3840	4608	5376	6144	7680	9216	10752	
34x34			NC	-	14	21	27	32	36	44	50	55	
36x34	8.50	8.14	Air Flow, cfm	2442	3256	4070	4884	5698	6512	8140	9768	11396	
42x30			NC	-	14	21	27	32	37	44	50	55	
42x30	8.75	8.38	Air Flow, cfm	2514	3352	4190	5028	5866	6704	8380	10056	11732	
42x30			NC	-	14	21	27	32	37	44	50	55	
36x36	9.00	8.63	Air Flow, cfm	2589	3452	4315	5178	6041	6904	8630	10356	12082	
42x34			NC	-	14	22	28	33	37	44	50	55	
42x34	10.00	9.6	Air Flow, cfm	2880	3840	4800	5760	6720	7680	9600	11520	13440	
48x30			NC	-	15	22	28	33	37	45	51	56	
38x38	10.03	9.64	Air Flow, cfm	2892	3856	4820	5784	6748	7712	9640	11568	13496	
42x36			NC	-	15	22	28	33	37	45	51	56	
42x36	10.50	10.1	Air Flow, cfm	3030	4040	5050	6060	7070	8080	10100	12120	14140	
42x36			NC	-	15	22	28	33	38	45	51	56	
46x34	10.86	10.45	Air Flow, cfm	3135	4180	5225	6270	7315	8360	10450	12540	14630	
42x38			NC	-	15	22	28	33	38	45	51	56	
42x38	11.08	10.67	Air Flow, cfm	3201	4268	5335	6402	7469	8536	10670	12804	14938	
42x38			NC	-	15	22	28	34	38	45	51	56	
40x40	11.11	10.7	Air Flow, cfm	3210	4280	5350	6420	7490	8560	10700	12840	14980	
48x36			NC	-	15	22	28	34	38	45	51	56	
48x36	12.00	11.57	Air Flow, cfm	3471	4628	5785	6942	8099	9256	11570	13884	16198	
48x36			NC	-	16	23	29	34	38	46	52	57	
42x42	12.25	11.82	Air Flow, cfm	3546	4728	5910	7092	8274	9456	11820	14184	16548	
42x42			NC	-	16	23	29	34	38	46	52	57	
44x44	13.44	12.99	Air Flow, cfm	3897	5196	6495	7794	9093	10392	12990	15588	18186	
44x44			NC	-	16	23	29	34	39	46	52	57	
48x42	14.00	13.54	Air Flow, cfm	4062	5416	6770	8124	9478	10832	13540	16248	18956	
48x42			NC	-	16	24	29	35	39	46	52	57	
46x46	14.69	14.22	Air Flow, cfm	4266	5688	7110	8532	9954	11376	14220	17064	19908	
46x46			NC	-	16	24	30	35	39	46	52	58	
48x46	15.33	14.85	Air Flow, cfm	4455	5940	7425	8910	10395	11880	14850	17820	20790	
48x46			NC	-	17	24	30	35	39	47	53	58	
48x48	16.00	15.50	Air Flow, cfm	4650	6200	7750	9300	10850	12400	15500	18600	21700	
48x48			NC	-	17	24	30	35	40	47	53	58	