

PERFORMANCE DATA

SSEC

Stainless Steel Eggcrate

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

Static pressures are negative, in inches of water, measured per ASHRAE 70-91
 NC based on room absorption of 10dB, re 10⁻¹² watts, measured per ASHRAE 70-91

NC 50