



✿ **GEC APPLICATION**

The GEC is primarily a return and exhaust air grille which can be used in commercial, industrial and residential. Grille is designed to suit both wall or ceiling installation.

✿ **GEC STANDARD CONSTRUCTION / FEATURES**

- Frame & blade are made of extruded aluminum A6063 T5.
- Phosphate treated and powder coated white RAL 9010 as standard.
- Incorporates 12mmx12mm thin aluminium strips assembled in grid fashion on 12mm centres.
- GEC offers a free area of 85% for maximum air flow with low noise level.



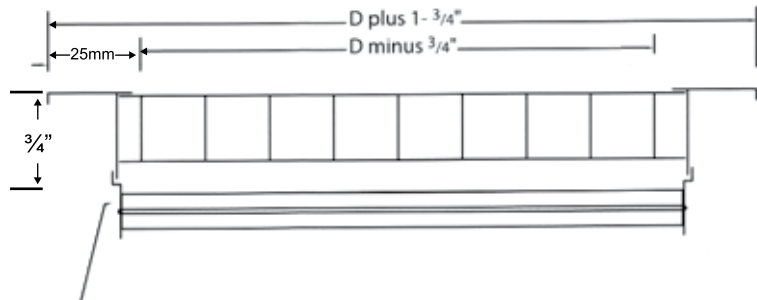
✿ GEC SIZE AVAILABILITY

All GEC are available from 6"x6" up to 48"x24". Larger sizes are constructed of factory joined multiple sections.

Egg crate grille or cube core grille is designed to meet the commercial & industrial need for low resistance, high to medium air volume return or exhaust grille.

✿ GEC OPTIONS

- Any selected Ral Color
- Filter Bracket (1/2")
- Removable face

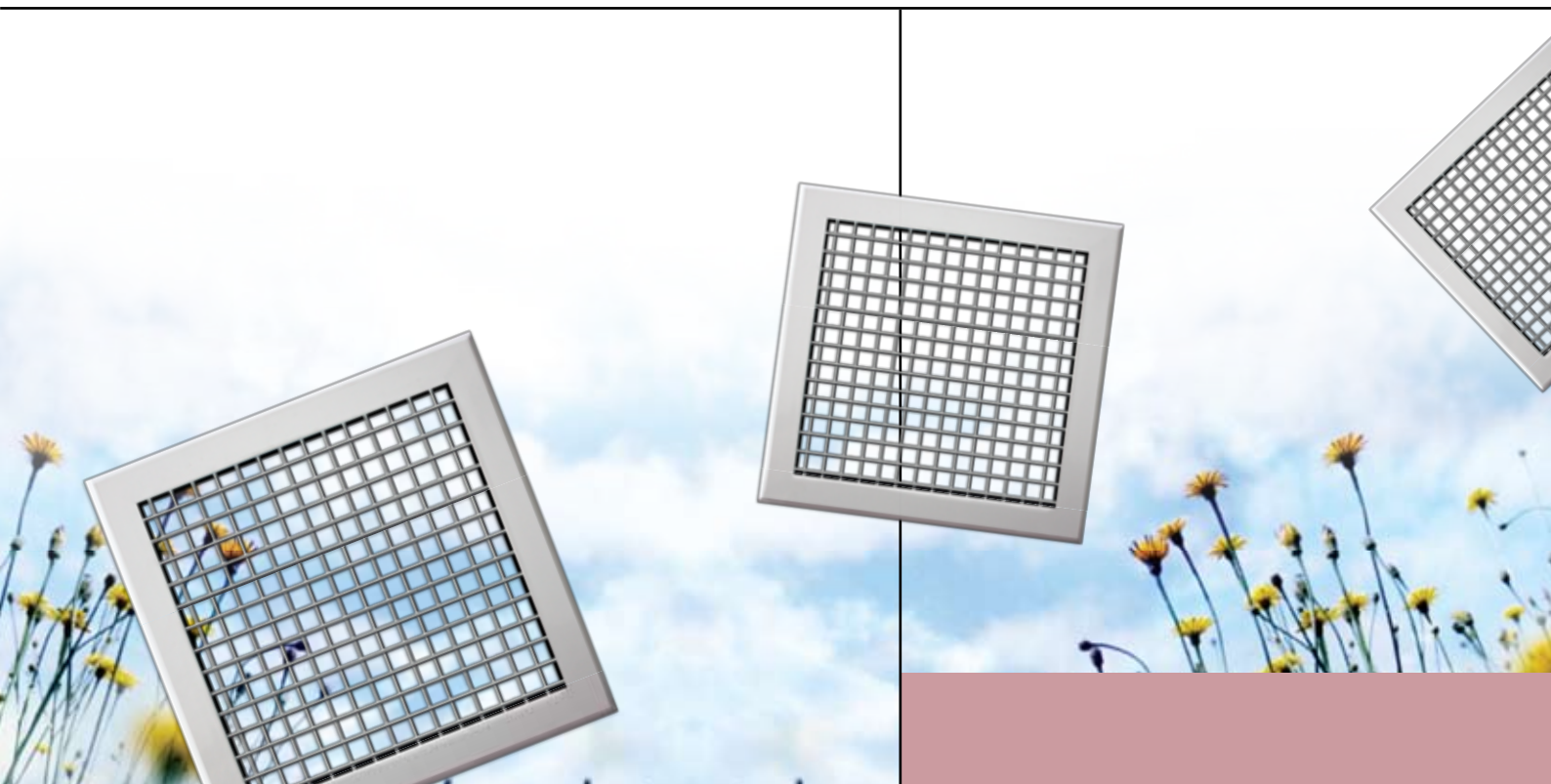


OPTIONAL OPPOSED
BLADE DAMPER

✿ GEC ORDER KEY INFORMATION

GEC – A + OBD

	Accessories	Opposed Blade Damper (OBD), Insect Netting (IN), Transition Square to Round Adaptor (Adp).
	Material	Aluminum (A)
	Model	GEC – Eggcrate Grille



✿ GEC PERFORMANCE DATA

Nominal Duct Size (in)	Eff. Area (ft ²)	Core Velocity (fpm)	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
		Neg Static Pressure	0.013	0.024	0.037	0.053	0.073	0.095	0.148	0.213	0.290
6 x 6	0.19	Air Flow (Cfm)	57	76	95	114	133	152	190	228	266
		NC	-	-	-	11	16	20	28	34	39
8 x 6	0.26	Air Flow (Cfm)	78	104	130	156	182	208	260	312	364
		NC	-	-	-	12	17	22	29	34	39
10 x 6	0.34	Air Flow (Cfm)	102	136	170	204	238	272	340	408	476
		NC	-	-	-	13	18	23	30	36	42
8 x 8	0.37	Air Flow (Cfm)	111	148	185	222	259	296	370	444	518
		NC	-	-	-	14	19	24	31	37	41
12 x 6	0.41	Air Flow (Cfm)	123	164	205	246	287	328	410	492	574
		NC	-	-	-	15	19	24	31	37	42
14 x 6	0.48	Air Flow (Cfm)	144	192	240	288	336	384	480	576	672
		NC	-	-	-	15	20	24	32	38	43
16 x 6 12 x 8	0.57	Air Flow (Cfm)	171	228	285	342	399	456	570	684	798
		NC	-	-	-	16	21	25	33	38	44
10 x 10	0.59	Air Flow (Cfm)	177	236	295	354	413	472	590	708	826
		NC	-	-	-	16	21	25	33	39	44
18 x 6	0.63	Air Flow (Cfm)	189	252	315	378	441	504	630	756	882
		NC	-	-	-	16	21	26	33	39	44
20 x 6 12 x 10	0.72	Air Flow (Cfm)	216	288	360	432	504	576	720	864	1008
		NC	-	-	11	17	22	26	34	40	45
22 x 6	0.77	Air Flow (Cfm)	231	308	385	462	539	616	770	924	1078
		NC	-	-	11	17	22	26	34	40	45
24 x 6 12 x 12	0.88	Air Flow (Cfm)	264	352	440	528	616	704	880	1056	1232
		NC	-	-	12	18	23	27	34	40	45
30 x 6 18 x 10	1.11	Air Flow (Cfm)	333	440	550	660	770	880	1110	1330	1550
		NC	-	-	13	19	24	28	35	41	46
14 x 14	1.22	Air Flow (Cfm)	360	480	610	730	850	975	1221	1465	1710
		NC	-	-	13	19	24	28	36	42	47
36 x 6 18 x 12	1.35	Air Flow (Cfm)	400	540	675	810	945	1080	1350	1620	1890
		NC	-	-	14	19	25	29	36	42	47
22 x 10	1.37	Air Flow (Cfm)	410	550	685	820	960	1095	1370	1645	1920
		NC	-	-	15	20	25	29	36	42	47
30 x 8 24 x 10	1.49	Air Flow (Cfm)	450	595	745	895	1045	1190	1490	1790	1085
		NC	-	-	14	20	25	29	37	42	48
18 x 14	1.59	Air Flow (Cfm)	475	635	796	955	1110	1275	1590	1910	2225
		NC	-	-	14	20	25	30	37	43	48
16 x 16	1.62	Air Flow (Cfm)	485	650	810	972	1135	1295	1620	1945	2270
		NC	-	-	14	20	25	30	37	43	48
24 x 12 18 x 16	1.82	Air Flow (Cfm)	545	727	910	1090	1275	1455	1820	2185	2550
		NC	-	-	15	21	26	30	38	44	49
18 x 18	2.07	Air Flow (Cfm)	620	828	1035	1245	1450	1655	2070	2485	2890
		NC	-	-	15	21	26	31	38	44	49
24 x 14	2.14	Air Flow (Cfm)	645	855	1070	1285	1500	1710	2140	2570	3000
		NC	-	-	16	21	27	31	38	44	49
30 x 12	2.29	Air Flow (Cfm)	689	915	1145	1375	1600	1830	2290	2750	3205
		NC	-	-	16	22	27	31	39	45	50
24 x 16	2.46	Air Flow (Cfm)	740	985	1230	1475	1720	1970	2460	2950	3445
		NC	-	-	16	22	27	32	39	45	50
20 x 20	2.57	Air Flow (Cfm)	770	1030	1285	1540	1800	2055	2570	3085	3600
		NC	-	-	16	22	27	32	39	45	50
36 x 12	2.75	Air Flow (Cfm)	825	1100	1375	1650	1925	2200	2750	3300	3850
		NC	-	-	17	23	28	32	39	45	50
30 x 16 24 x 20	3.11	Air Flow (Cfm)	935	1245	1555	1865	2175	2490	3110	3730	4355
		NC	-	-	17	23	28	33	40	46	51

✿ GEC PERFORMANCE DATA

Nominal	Eff.	Core Velocity (fpm)	300	400	500	600	700	800	1000	1200	1400
Duct Size	Area	Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
(in)	(ft ²)	Neg Static Pressure	0.013	0.024	0.037	0.053	0.073	0.095	0.148	0.213	0.290
22 x 22	3.14	Air Flow (Cfm)	945	1255	1570	1885	2200	2510	3140	3770	4395
		NC	-	-	17	23	2822	33	40	46	51
36 x 14	3.22	Air Flow (Cfm)	965	1290	1610	1930	55	2575	3220	3865	4500
		NC	-	-	17	23	25	33	40	46	51
24 x 22	3.43	Air Flow (Cfm)	1030	1370	1715	2060	2400	2745	3430	4115	4800
		NC	-	-	18	24	29	33	40	46	51
30 x 18	3.5	Air Flow (Cfm)	1050	1400	1750	2100	2450	2800	3500	4200	4900
		NC	-	-	18	24	29	33	40	46	51
24 x 24	3.75	Air Flow (Cfm)	1125	1500	1875	2250	2625	3000	3750	4500	5250
		NC	-	11	18	24	29	33	41	47	52
36 x 18	4.22	Air Flow (Cfm)	1366	1690	2110	2530	2955	3375	4220	5065	5910
		NC	-	11	18	24	29	34	41	47	52
36 x 20	4.71	Air Flow (Cfm)	1413	1885	2355	2825	3300	3770	4710	5650	6595
		NC	-	12	19	25	30	34	42	48	53
28 x 28	5.16	Air Flow (Cfm)	1548	2064	2580	3096	3612	4128	5160	6192	7244
		NC	-	12	19	25	30	35	42	48	53
42 x 20	5.51	Air Flow (Cfm)	1653	2204	2755	3306	3857	4408	5510	6612	7714
		NC	-	12	20	26	31	35	42	48	53
48 x 18	5.66	Air Flow (Cfm)	1698	2264	2830	3396	3962	4528	5660	6792	7924
		NC	-	12	20	26	31	35	42	48	54
30 x 30	5.94	Air Flow (Cfm)	1782	2376	2970	3564	4158	4752	5940	7128	8316
		NC	-	13	20	26	31	35	43	49	54
42 x 24	6.66	Air Flow (Cfm)	1998	2664	3330	3996	4662	5328	6660	7992	9324
		NC	-	13	20	26	31	36	43	49	54
48 x 24	7.63	Air Flow (Cfm)	2289	3052	3815	4578	5341	6104	7630	9156	10682
		NC	-	14	21	27	32	36	44	50	55
36 x 34	8.14	Air Flow (Cfm)	2442	3256	4070	4884	5698	6512	8140	9768	11396
		NC	-	14	21	27	32	37	44	50	55
36 x 36	8.63	Air Flow (Cfm)	2589	3452	4315	5178	6041	6904	8630	10356	12082
		NC	-	14	22	28	33	37	44	50	55
48 x 30	9.6	Air Flow (Cfm)	2880	3840	4800	5760	6720	7680	9600	11520	13440
		NC	-	15	22	28	33	38	45	51	55
42 x 36	10.1	Air Flow (Cfm)	3030	4040	5050	6060	7070	8080	10100	12120	14140
		NC	-	15	22	28	33	38	46	51	56
48 x 36	11.57	Air Flow (Cfm)	3471	4628	5785	6942	8099	9256	11570	13884	16198
		NC	-	16	23	29	34	38	46	52	57
48 x 42	13.54	Air Flow (Cfm)	4062	5416	6770	8124	9478	10832	13540	16248	18956
		NC	-	16	23	29	34	39	46	52	58
48 x 48	15.50	Air Flow (Cfm)	4650	6200	7750	9300	10850	12400	15500	18600	21700
		NC	-	17	24	30	35	40	47	53	58

Notes:

- Static pressure is in Inch of Water.
- N.C values are based on room absorption of 10db re 10⁻¹² watts.