

EG & EGC SERIES

Return Grille | Egg-Crate



PERFORMANCE DATA | EG5, EGC5 (NO DAMPER)

		IP DATA				NC	METRIC DATA					OCTAVE BAND, dB						
NOM DUCT	DUCT AREA	NECK VEL	AIRFLOW	Ps	NOM DUCT		DUCT AREA	NECK VEL	AIRFLOW	Ps	2	3	4	5	6	7		
in	ft ²	FPM	CFM	"WG	mm		m ²	m/s	L/s	Pa								
6" x 6"	0.25	700	134	-0.73	13	152 x 152	0.02	3.56	63	-18.1	29	22	24	24	24	17		
		900	172	-1.20	21			4.57	81	-29.9	35	29	30	30	32	29		
		1100	211	-1.79	28			5.59	99	-44.6	39	35	35	36	39	39		
		1300	249	-2.50	34			6.60	117	-62.4	42	39	39	40	45	47		
		1500	287	-3.33	38			7.62	136	-83.0	45	43	43	44	49	54		
10" x 6"	0.42	700	236	-0.73	15	254 x 152	0.04	3.56	111	-18.1	32	25	26	26	26	20		
		900	304	-1.20	24			4.57	143	-29.9	37	31	32	33	35	32		
		1100	371	-1.79	30			5.59	175	-44.6	41	37	37	38	41	41		
		1300	438	-2.50	36			6.60	207	-62.4	45	42	41	43	47	49		
		1500	506	-3.33	41			7.62	239	-83.0	48	46	45	46	52	56		
12" x 6"	0.50	700	287	-0.73	16	305 x 152	0.05	3.56	136	-18.1	32	25	27	27	27	20		
		900	369	-1.20	24			4.57	174	-29.9	38	32	33	33	35	32		
		1100	451	-1.79	31			5.59	213	-44.6	42	38	38	39	42	42		
		1300	533	-2.50	37			6.60	252	-62.4	45	42	42	43	48	50		
		1500	615	-3.33	41			7.62	290	-83.0	48	46	46	47	52	57		
12" x 8"	0.67	600	340	-0.53	12	305 x 203	0.06	3.05	160	-13.3	30	22	24	24	23	14		
		800	453	-0.95	22			4.06	214	-23.6	36	30	31	32	33	28		
		1000	566	-1.48	29			5.08	267	-36.9	41	36	37	38	40	39		
		1200	680	-2.13	35			6.10	321	-53.1	45	41	41	42	46	48		
		1400	793	-2.90	40			7.11	374	-72.3	48	46	45	47	51	55		
18" x 6"	0.75	600	377	-0.53	13	457 x 152	0.07	3.05	178	-13.3	31	23	25	24	24	15		
		800	503	-0.95	22			4.06	237	-23.6	37	31	32	32	33	28		
		1000	629	-1.48	30			5.08	297	-36.9	42	37	37	38	41	39		
		1200	755	-2.13	36			6.10	356	-53.1	45	42	42	43	47	48		
		1400	880	-2.90	41			7.11	416	-72.3	49	46	45	47	52	56		
22" x 6"	0.92	600	465	-0.53	13	559 x 152	0.09	3.05	219	-13.3	32	24	25	25	24	15		
		800	620	-0.95	23			4.06	293	-23.6	38	31	32	33	34	29		
		1000	775	-1.48	30			5.08	366	-36.9	42	38	38	39	41	40		
		1200	930	-2.13	36			6.10	439	-53.1	46	43	42	44	48	49		
		1400	1085	-2.90	42			7.11	512	-72.3	49	47	46	48	53	56		
18" x 10"	1.25	600	665	-0.53	15	457 x 254	0.12	3.05	314	-13.3	33	25	27	26	26	17		
		800	886	-0.95	24			4.06	418	-23.6	39	33	34	34	35	31		
		1000	1108	-1.48	32			5.08	523	-36.9	44	39	39	40	43	41		
		1200	1330	-2.13	38			6.10	628	-53.1	48	44	44	45	49	50		
		1400	1551	-2.90	43			7.11	732	-72.3	51	48	48	49	54	58		
27" x 8"	1.50	600	793	-0.53	16	686 x 203	0.14	3.05	374	-13.3	34	26	27	27	26	17		
		775	1024	-0.89	24			3.94	483	-22.2	39	33	34	34	35	30		
		950	1256	-1.34	31			4.83	593	-33.3	43	38	39	39	42	40		
		1125	1487	-1.88	36			5.72	702	-46.7	47	43	43	44	47	48		
		1300	1718	-2.50	41			6.60	811	-62.4	50	47	47	48	52	55		
24" x 10"	1.67	600	896	-0.53	16	610 x 254	0.15	3.05	423	-13.3	34	26	28	28	27	18		
		775	1157	-0.89	25			3.94	546	-22.2	40	33	34	35	35	30		
		950	1419	-1.34	31			4.83	670	-33.3	44	39	39	40	42	40		
		1125	1680	-1.88	37			5.72	793	-46.7	47	43	43	45	48	48		
		1300	1942	-2.50	42			6.60	916	-62.4	50	47	47	48	53	55		
16" x 16"	1.78	600	969	-0.53	16	406 x 406	0.17	3.05	457	-13.3	35	26	28	28	27	18		
		775	1252	-0.89	25			3.94	591	-22.2	40	33	35	35	36	31		
		950	1534	-1.34	32			4.83	724	-33.3	44	39	40	40	43	40		
		1125	1817	-1.88	37			5.72	857	-46.7	48	44	44	45	48	49		
		1300	2100	-2.50	42			6.60	991	-62.4	51	48	47	49	53	56		
18" x 18"	2.25	600	1240	-0.53	17	457 x 457	0.21	3.05	585	-13.3	35	27	29	29	28	19		
		750	1550	-0.83	25			3.81	731	-20.8	40	34	35	35	36	30		
		900	1860	-1.20	31			4.57	878	-29.9	44	39	39	40	42	39		
		1050	2170	-1.63	36			5.33	1024	-40.7	47	43	43	44	47	46		
		1200	2480	-2.13	40			6.10	1170	-53.1	50	46	46	48	51	53		

NOTE: See notes on page J1-118.

PERFORMANCE DATA | EG5, EGC5 (NO DAMPER)

IP DATA					NC	METRIC DATA					OCTAVE BAND, dB						
NOM DUCT	DUCT AREA	NECK VEL	AIRFLOW	Ps		NOM DUCT	DUCT AREA	NECK VEL	AIRFLOW	Ps	OCTAVE BAND, dB						
in	ft ²	FPM	CFM	"WG		mm	m ²	m/s	L/s	Pa	2	3	4	5	6	7	
30" x 12"	2.50	500	1143	-0.37	12	762 x 305	0.23	2.54	539	-9.2	32	23	25	24	23	11	
		675	1542	-0.68	22			3.43	728	-16.8	38	31	33	32	33	25	
		850	1942	-1.07	29			4.32	917	-26.7	43	37	38	39	40	36	
		1025	2342	-1.56	35			5.21	1105	-38.8	47	43	43	44	46	45	
		1200	2742	-2.13	41			6.10	1294	-53.1	50	47	47	48	52	53	
20" x 20"	2.78	500	1287	-0.37	12	508 x 508	0.26	2.54	607	-9.2	33	23	26	25	23	11	
		675	1737	-0.68	22			3.43	820	-16.8	39	31	33	33	33	26	
		850	2187	-1.07	30			4.32	1032	-26.7	44	38	39	39	41	37	
		1025	2638	-1.56	36			5.21	1245	-38.8	48	43	43	44	47	46	
		1200	3088	-2.13	41			6.10	1457	-53.1	51	47	47	48	52	54	
30" x 16"	3.33	500	1549	-0.37	13	762 x 406	0.31	2.54	731	-9.2	33	24	26	26	24	12	
		675	2091	-0.68	23			3.43	987	-16.8	40	32	34	34	34	26	
		850	2633	-1.07	30			4.32	1243	-26.7	44	39	39	40	41	38	
		1025	3175	-1.56	37			5.21	1498	-38.8	48	44	44	45	48	47	
		1200	3717	-2.13	42			6.10	1754	-53.1	52	48	48	49	53	54	
36" x 14"	3.50	500	1622	-0.37	13	914 x 356	0.33	2.54	765	-9.2	33	24	26	26	24	12	
		675	2189	-0.68	23			3.43	1033	-16.8	40	32	34	34	34	27	
		850	2757	-1.07	31			4.32	1301	-26.7	45	39	40	40	42	38	
		1025	3325	-1.56	37			5.21	1569	-38.8	48	44	44	45	48	47	
		1200	3892	-2.13	42			6.10	1837	-53.1	52	48	48	49	53	54	
30" x 18"	3.75	500	1752	-0.37	13	762 x 457	0.35	2.54	827	-9.2	34	24	27	26	24	12	
		675	2365	-0.68	23			3.43	1116	-16.8	40	33	34	34	34	27	
		850	2978	-1.07	31			4.32	1406	-26.7	45	39	40	40	42	38	
		1025	3592	-1.56	37			5.21	1695	-38.8	49	44	44	45	48	47	
		1200	4205	-2.13	42			6.10	1984	-53.1	52	49	48	50	53	55	
36" x 18"	4.50	500	2111	-0.37	14	914 x 457	0.42	2.54	996	-9.2	34	25	28	27	25	13	
		675	2850	-0.68	24			3.43	1345	-16.8	41	33	35	35	35	28	
		850	3589	-1.07	32			4.32	1694	-26.7	46	40	41	41	43	39	
		1025	4328	-1.56	38			5.21	2043	-38.8	50	45	45	46	49	48	
		1200	5067	-2.13	43			6.10	2391	-53.1	53	49	49	50	54	55	
42" x 18"	5.25	500	2471	-0.37	15	1067 x 457	0.49	2.54	1166	-9.2	35	26	28	27	26	14	
		650	3212	-0.63	23			3.30	1516	-15.6	41	33	35	34	34	26	
		800	3953	-0.95	30			4.06	1866	-23.6	45	39	40	40	41	36	
		950	4694	-1.34	36			4.83	2215	-33.3	49	43	44	45	47	45	
		1100	5436	-1.79	41			5.59	2565	-44.6	52	47	48	49	52	52	
30" x 28"	5.83	500	2768	-0.37	15	762 x 711	0.54	2.54	1306	-9.2	36	26	29	28	26	14	
		650	3598	-0.63	24			3.30	1698	-15.6	41	33	35	35	35	27	
		800	4428	-0.95	31			4.06	2090	-23.6	45	39	40	40	42	37	
		950	5258	-1.34	36			4.83	2482	-33.3	49	44	44	45	47	45	
		1100	6089	-1.79	41			5.59	2874	-44.6	52	48	48	49	52	52	
30" x 30"	6.25	500	2971	-0.37	15	762 x 762	0.58	2.54	1402	-9.2	36	26	29	28	26	14	
		650	3862	-0.63	24			3.30	1823	-15.6	41	34	35	35	35	27	
		800	4753	-0.95	31			4.06	2243	-23.6	46	39	40	41	42	37	
		950	5644	-1.34	37			4.83	2664	-33.3	49	44	45	45	48	46	
		1100	6536	-1.79	42			5.59	3084	-44.6	52	48	48	49	53	53	
46" x 22"	7.03	500	3339	-0.37	16	1168 x 559	0.65	2.54	1576	-9.2	36	27	29	29	27	15	
		650	4340	-0.63	25			3.30	2048	-15.6	42	34	36	36	35	28	
		800	5342	-0.95	31			4.06	2521	-23.6	46	40	41	41	42	38	
		950	6344	-1.34	37			4.83	2994	-33.3	50	45	45	46	48	46	
		1100	7345	-1.79	42			5.59	3467	-44.6	53	49	49	50	53	53	
36" x 30"	7.50	500	3580	-0.37	16	914 x 762	0.70	2.54	1690	-9.2	37	27	30	29	27	15	
		650	4654	-0.63	25			3.30	2196	-15.6	42	34	36	36	36	28	
		800	5728	-0.95	32			4.06	2703	-23.6	46	40	41	41	43	38	
		950	6802	-1.34	37			4.83	3210	-33.3	50	45	45	46	48	46	
		1100	7876	-1.79	42			5.59	3717	-44.6	53	49	49	50	53	53	

NOTE: See notes on page J1-118.

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		IP DATA				NC	METRIC DATA					OCTAVE BAND, dB						
NOM DUCT	DUCT AREA	NECK VEL	AIRFLOW	Ps	NOM DUCT		DUCT AREA	NECK VEL	AIRFLOW	Ps	2	3	4	5	6	7		
in	ft ²	FPM	CFM	"WG	mm		m ²	m/s	L/s	Pa								
34" x 34"	8.03	500	3839	-0.37	16	864 x 864	0.75	2.54	1812	-9.2	37	27	30	29	27	15		
		650	4990	-0.63	25			3.30	2355	-15.6	42	35	36	36	36	28		
		800	6142	-0.95	32			4.06	2899	-23.6	47	40	41	42	43	38		
		950	7294	-1.34	38			4.83	3442	-33.3	50	45	46	46	49	47		
		1100	8445	-1.79	43			5.59	3986	-44.6	53	49	49	50	54	54		
42" x 30"	8.75	500	4189	-0.37	17	1067 x 762	0.81	2.54	1977	-9.2	37	28	30	29	28	16		
		650	5446	-0.63	25			3.30	2570	-15.6	43	35	37	37	36	28		
		800	6703	-0.95	32			4.06	3164	-23.6	47	41	42	42	43	39		
		950	7960	-1.34	38			4.83	3757	-33.3	51	45	46	47	49	47		
		1100	9217	-1.79	43			5.59	4350	-44.6	54	50	50	51	54	54		
48" x 30"	10.00	500	4799	-0.37	17	1219 x 762	0.93	2.54	2265	-9.2	38	28	31	30	28	16		
		650	6238	-0.63	26			3.30	2944	-15.6	43	36	37	37	29			
		800	7678	-0.95	33			4.06	3624	-23.6	48	41	42	43	44	39		
		950	9118	-1.34	39			4.83	4303	-33.3	51	46	47	47	50	47		
		1100	10557	-1.79	43			5.59	4983	-44.6	54	50	50	51	54	54		
42" x 36"	10.50	500	5049	-0.37	17	1067 x 914	0.98	2.54	2383	-9.2	38	29	31	30	28	17		
		650	6563	-0.63	26			3.30	3098	-15.6	43	36	37	37	29			
		800	8078	-0.95	33			4.06	3812	-23.6	48	41	43	43	44	39		
		950	9593	-1.34	39			4.83	4527	-33.3	51	46	47	47	50	48		
		1100	11107	-1.79	44			5.59	5242	-44.6	54	50	50	51	55	55		
42" x 38"	11.08	500	5335	-0.37	18	1067 x 965	1.03	2.54	2518	-9.2	38	29	31	30	29	17		
		650	6936	-0.63	26			3.30	3273	-15.6	44	36	38	37	29			
		800	8536	-0.95	33			4.06	4029	-23.6	48	42	43	43	44	39		
		950	10137	-1.34	39			4.83	4784	-33.3	52	46	47	48	50	48		
		1100	11738	-1.79	44			5.59	5540	-44.6	55	50	51	52	55	55		
48" x 36"	12.00	400	4627	-0.24	11	1219 x 914	1.11	2.03	2183	-5.9	34	23	26	25	21	-		
		550	6362	-0.45	21			2.79	3002	-11.2	40	32	34	33	22			
		700	8096	-0.73	29			3.56	3821	-18.1	45	38	40	40	40	33		
		850	9831	-1.07	36			4.32	4640	-26.7	50	44	45	45	47	43		
		1000	11566	-1.48	41			5.08	5459	-36.9	53	48	49	49	52	51		
44" x 44"	13.44	400	5196	-0.24	11	1118 x 1118	1.25	2.03	2452	-5.9	34	23	26	25	22	-		
		550	7145	-0.45	22			2.79	3372	-11.2	41	32	34	34	22			
		700	9093	-0.73	30			3.56	4291	-18.1	46	39	40	40	41	34		
		850	11042	-1.07	36			4.32	5211	-26.7	50	44	45	45	47	43		
		1000	12990	-1.48	41			5.08	6131	-36.9	53	49	49	50	52	51		
46" x 46"	14.69	400	5688	-0.24	11	1168 x 1168	1.37	2.03	2684	-5.9	35	24	27	26	22	-		
		550	7821	-0.45	22			2.79	3691	-11.2	41	32	35	34	33	22		
		700	9953	-0.73	30			3.56	4697	-18.1	46	39	41	41	41	34		
		850	12086	-1.07	36			4.32	5704	-26.7	50	44	45	46	47	44		
		1000	14219	-1.48	42			5.08	6711	-36.9	54	49	49	50	53	51		
48" x 48"	16.00	400	6202	-0.24	12	1219 x 1219	1.49	2.03	2927	-5.9	35	24	27	26	23	-		
		550	8527	-0.45	22			2.79	4024	-11.2	42	33	35	34	33	23		
		700	10853	-0.73	30			3.56	5122	-18.1	47	39	41	41	41	34		
		850	13178	-1.07	37			4.32	6219	-26.7	51	45	46	46	48	44		
		1000	15504	-1.48	42			5.08	7317	-36.9	54	49	50	50	53	52		

NOTES: NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection program for performance data not shown, including octave band data.