

EG5, EGC5 Performance Data

IP/METRIC DATA: EG5, EGC5 (NO DAMPER)

IP Data					NC	Metric Data					Octave Band, dB						
Nom Duct	Duct Area	Neck Vel	Air Flow	Ps		Nom Duct	Duct Area	Neck Vel	Air Flow	Ps	2	3	4	5	6	7	
in	ft²	FPM	CFM	"WG		mm	m²	m/s	L/s	Pa							
6" x 6"	0.25	700	134	-.073	13	152	0.02	3.56	63	-18.1	29	22	24	24	24	17	
		900	172	-.120	21			4.57	81	-29.9	35	29	30	30	32	29	
		1100	211	-.179	28			5.59	99	-44.6	39	35	35	36	39	39	
		1300	249	-.250	34			6.60	117	-62.4	42	39	39	40	45	47	
		1500	287	-.333	38			7.62	136	-83.0	45	43	43	44	49	54	
10" x 6"	0.42	700	236	-.073	15	254	0.04	3.56	111	-18.1	32	25	26	26	26	20	
		900	304	-.120	24			4.57	143	-29.9	37	31	32	33	35	32	
		1100	371	-.179	30			5.59	175	-44.6	41	37	37	38	41	41	
		1300	438	-.250	36			6.60	207	-62.4	45	42	41	43	47	49	
		1500	506	-.333	41			7.62	239	-83.0	48	46	45	46	52	56	
12" x 6"	0.50	700	287	-.073	16	305	0.05	3.56	136	-18.1	32	25	27	27	27	20	
		900	369	-.120	24			4.57	174	-29.9	38	32	33	33	35	32	
		1100	451	-.179	31			5.59	213	-44.6	42	38	38	39	42	42	
		1300	533	-.250	37			6.60	252	-62.4	45	42	42	43	48	50	
		1500	615	-.333	41			7.62	290	-83.0	48	46	46	47	52	57	
12" x 8"	0.67	600	340	-.053	12	305	0.06	3.05	160	-13.3	30	22	24	24	23	14	
		800	453	-.095	22			4.06	214	-23.6	36	30	31	32	33	28	
		1000	566	-.148	29			5.08	267	-36.9	41	36	37	38	40	39	
		1200	680	-.213	35			6.10	321	-53.1	45	41	41	42	46	48	
		1400	793	-.290	40			7.11	374	-72.3	48	46	45	47	51	55	
18" x 6"	0.75	600	377	-.053	13	457	0.07	3.05	178	-13.3	31	23	25	24	24	15	
		800	503	-.095	22			4.06	237	-23.6	37	31	32	32	33	28	
		1000	629	-.148	30			5.08	297	-36.9	42	37	37	38	41	39	
		1200	755	-.213	36			6.10	356	-53.1	45	42	42	43	47	48	
		1400	880	-.290	41			7.11	416	-72.3	49	46	45	47	52	56	
22" x 6"	0.92	600	465	-.053	13	559	0.09	3.05	219	-13.3	32	24	25	25	24	15	
		800	620	-.095	23			4.06	293	-23.6	38	31	32	33	34	29	
		1000	775	-.148	30			5.08	366	-36.9	42	38	38	39	41	40	
		1200	930	-.213	36			6.10	439	-53.1	46	43	42	44	48	49	
		1400	1085	-.290	42			7.11	512	-72.3	49	47	46	48	53	56	
18" x 10"	1.25	600	665	-.053	15	457	0.12	3.05	314	-13.3	33	25	27	26	26	17	
		800	886	-.095	24			4.06	418	-23.6	39	33	34	34	35	31	
		1000	1108	-.148	32			5.08	523	-36.9	44	39	39	40	43	41	
		1200	1330	-.213	38			6.10	628	-53.1	48	44	44	45	49	50	
		1400	1551	-.290	43			7.11	732	-72.3	51	48	48	49	54	58	
27" x 8"	1.50	600	793	-.053	16	686	0.14	3.05	374	-13.3	34	26	27	27	26	17	
		775	1024	-.089	24			3.94	483	-22.2	39	33	34	34	35	30	
		950	1256	-.134	31			4.83	593	-33.3	43	38	39	39	42	40	
		1125	1487	-.188	36			5.72	702	-46.7	47	43	43	44	47	48	
		1300	1718	-.250	41			6.60	811	-62.4	50	47	47	48	52	55	
24" x 10"	1.67	600	896	-.053	16	610	0.15	3.05	423	-13.3	34	26	28	28	27	18	
		775	1157	-.089	25			3.94	546	-22.2	40	33	34	35	35	30	
		950	1419	-.134	31			4.83	670	-33.3	44	39	39	40	42	40	
		1125	1680	-.188	37			5.72	793	-46.7	47	43	43	45	48	48	
		1300	1942	-.250	42			6.60	916	-62.4	50	47	47	48	53	55	
16" x 16"	1.78	600	969	-.053	16	406	0.17	3.05	457	-13.3	35	26	28	28	27	18	
		775	1252	-.089	25			3.94	591	-22.2	40	33	35	35	36	31	
		950	1534	-.134	32			4.83	724	-33.3	44	39	40	40	43	40	
		1125	1817	-.188	37			5.72	857	-46.7	48	44	44	45	48	49	
		1300	2100	-.250	42			6.60	991	-62.4	51	48	47	49	53	56	
18" x 18"	2.25	600	1240	-.053	17	457	0.21	3.05	585	-13.3	35	27	29	29	28	19	
		750	1550	-.083	25			3.81	731	-20.8	40	34	35	35	36	30	
		900	1860	-.120	31			4.57	878	-29.9	44	39	39	40	42	39	
		1050	2170	-.163	36			5.33	1024	-40.7	47	43	43	44	47	46	
		1200	2480	-.213	40			6.10	1170	-53.1	50	46	46	48	51	53	

NOTE: See notes on page J1-103.

RETURN GRILLES

EG5 - EGC5

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EG5, EGC5 Performance Data
IP/METRIC DATA: EG5, EGC5 (NO DAMPER)

IP Data					NC	Metric Data					Octave Band, dB						
Nom Duct	Duct Area	Neck Vel	Air Flow	Ps		Nom Duct	Duct Area	Neck Vel	Air Flow	Ps	2	3	4	5	6	7	
in	ft²	FPM	CFM	"WG	mm	m²	m/s	L/s	Pa								
30" x 12"	2.50	500	1143	-.037	12	762 x 305	0.23	2.54	539	-9.2	32	23	25	24	23	11	
		675	1542	-.068	22			3.43	728	-16.8	38	31	33	32	33	25	
		850	1942	-.107	29			4.32	917	-26.7	43	37	38	39	40	36	
		1025	2342	-.156	35			5.21	1105	-38.8	47	43	43	44	46	45	
		1200	2742	-.213	41			6.10	1294	-53.1	50	47	47	48	52	53	
20" x 20"	2.78	500	1287	-.037	12	508 x 508	0.26	2.54	607	-9.2	33	23	26	25	23	11	
		675	1737	-.068	22			3.43	820	-16.8	39	31	33	33	33	26	
		850	2187	-.107	30			4.32	1032	-26.7	44	38	39	39	41	37	
		1025	2638	-.156	36			5.21	1245	-38.8	48	43	43	44	47	46	
		1200	3088	-.213	41			6.10	1457	-53.1	51	47	47	48	52	54	
30" x 16"	3.33	500	1549	-.037	13	762 x 406	0.31	2.54	731	-9.2	33	24	26	26	24	12	
		675	2091	-.068	23			3.43	987	-16.8	40	32	34	34	34	26	
		850	2633	-.107	30			4.32	1243	-26.7	44	39	39	40	41	38	
		1025	3175	-.156	37			5.21	1498	-38.8	48	44	44	45	48	47	
		1200	3717	-.213	42			6.10	1754	-53.1	52	48	48	49	53	54	
36" x 14"	3.50	500	1622	-.037	13	914 x 356	0.33	2.54	765	-9.2	33	24	26	26	24	12	
		675	2189	-.068	23			3.43	1033	-16.8	40	32	34	34	34	27	
		850	2757	-.107	31			4.32	1301	-26.7	45	39	40	40	42	38	
		1025	3325	-.156	37			5.21	1569	-38.8	48	44	44	45	48	47	
		1200	3892	-.213	42			6.10	1837	-53.1	52	48	48	49	53	54	
30" x 18"	3.75	500	1752	-.037	13	762 x 457	0.35	2.54	827	-9.2	34	24	27	26	24	12	
		675	2365	-.068	23			3.43	1116	-16.8	40	33	34	34	34	27	
		850	2978	-.107	31			4.32	1406	-26.7	45	39	40	40	42	38	
		1025	3592	-.156	37			5.21	1695	-38.8	49	44	44	45	48	47	
		1200	4205	-.213	42			6.10	1984	-53.1	52	49	48	50	53	55	
36" x 18"	4.50	500	2111	-.037	14	914 x 457	0.42	2.54	996	-9.2	34	25	28	27	25	13	
		675	2850	-.068	24			3.43	1345	-16.8	41	33	35	35	35	28	
		850	3589	-.107	32			4.32	1694	-26.7	46	40	41	41	43	39	
		1025	4328	-.156	38			5.21	2043	-38.8	50	45	45	46	49	48	
		1200	5067	-.213	43			6.10	2391	-53.1	53	49	49	50	54	55	
42" x 18"	5.25	500	2471	-.037	15	1067 x 457	0.49	2.54	1166	-9.2	35	26	28	27	26	14	
		650	3212	-.063	23			3.30	1516	-15.6	41	33	35	34	34	26	
		800	3953	-.095	30			4.06	1866	-23.6	45	39	40	40	41	36	
		950	4694	-.134	36			4.83	2215	-33.3	49	43	44	45	47	45	
		1100	5436	-.179	41			5.59	2565	-44.6	52	47	48	49	52	52	
30" x 28"	5.83	500	2768	-.037	15	762 x 711	0.54	2.54	1306	-9.2	36	26	29	28	26	14	
		650	3598	-.063	24			3.30	1698	-15.6	41	33	35	35	35	27	
		800	4428	-.095	31			4.06	2090	-23.6	45	39	40	40	42	37	
		950	5258	-.134	36			4.83	2482	-33.3	49	44	44	45	47	45	
		1100	6089	-.179	41			5.59	2874	-44.6	52	48	48	49	52	52	
30" x 30"	6.25	500	2971	-.037	15	762 x 762	0.58	2.54	1402	-9.2	36	26	29	28	26	14	
		650	3862	-.063	24			3.30	1823	-15.6	41	34	35	35	35	27	
		800	4753	-.095	31			4.06	2243	-23.6	46	39	40	41	42	37	
		950	5644	-.134	37			4.83	2664	-33.3	49	44	45	45	48	46	
		1100	6536	-.179	42			5.59	3084	-44.6	52	48	48	49	53	53	
46" x 22"	7.03	500	3339	-.037	16	1168 x 559	0.65	2.54	1576	-9.2	36	27	29	29	27	15	
		650	4340	-.063	25			3.30	2048	-15.6	42	34	36	36	35	28	
		800	5342	-.095	31			4.06	2521	-23.6	46	40	41	41	42	38	
		950	6344	-.134	37			4.83	2994	-33.3	50	45	45	46	48	46	
		1100	7345	-.179	42			5.59	3467	-44.6	53	49	49	50	53	53	
36" x 30"	7.50	500	3580	-.037	16	914 x 762	0.70	2.54	1690	-9.2	37	27	30	29	27	15	
		650	4654	-.063	25			3.30	2196	-15.6	42	34	36	36	36	28	
		800	5728	-.095	32			4.06	2703	-23.6	46	40	41	41	43	38	
		950	6802	-.134	37			4.83	3210	-33.3	50	45	45	46	48	46	
		1100	7876	-.179	42			5.59	3717	-44.6	53	49	49	50	53	53	

NOTE: See notes on page J1-103.

EG5, EGC5 Performance Data

IP/METRIC DATA: EG5, EGC5 (NO DAMPER)

IP Data					NC	Metric Data					Octave Band, dB						
Nom Duct	Duct Area	Neck Vel	Air Flow	Ps		Nom Duct	Duct Area	Neck Vel	Air Flow	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	-.037	16	864 x 864	0.75	2.54	1812	-9.2	37	27	30	29	27	15	
		650	4990	-.063	25			3.30	2355	-15.6	42	35	36	36	36	28	
		800	6142	-.095	32			4.06	2899	-23.6	47	40	41	42	43	38	
		950	7294	-.134	38			4.83	3442	-33.3	50	45	46	46	49	47	
		1100	8445	-.179	43			5.59	3986	-44.6	53	49	49	50	54	54	
42" x 30"	8.75	500	4189	-.037	17	1067 x 762	0.81	2.54	1977	-9.2	37	28	30	29	28	16	
		650	5446	-.063	25			3.30	2570	-15.6	43	35	37	37	36	28	
		800	6703	-.095	32			4.06	3164	-23.6	47	41	42	42	43	39	
		950	7960	-.134	38			4.83	3757	-33.3	51	45	46	47	49	47	
		1100	9217	-.179	43			5.59	4350	-44.6	54	50	50	51	54	54	
48" x 30"	10.00	500	4799	-.037	17	1219 x 762	0.93	2.54	2265	-9.2	38	28	31	30	28	16	
		650	6238	-.063	26			3.30	2944	-15.6	43	36	37	37	37	29	
		800	7678	-.095	33			4.06	3624	-23.6	48	41	42	43	44	39	
		950	9118	-.134	39			4.83	4303	-33.3	51	46	47	47	50	47	
		1100	10557	-.179	43			5.59	4983	-44.6	54	50	50	51	54	54	
42" x 36"	10.50	500	5049	-.037	17	1067 x 914	0.98	2.54	2383	-9.2	38	29	31	30	28	17	
		650	6563	-.063	26			3.30	3098	-15.6	43	36	37	37	37	29	
		800	8078	-.095	33			4.06	3812	-23.6	48	41	43	43	44	39	
		950	9593	-.134	39			4.83	4527	-33.3	51	46	47	47	50	48	
		1100	11107	-.179	44			5.59	5242	-44.6	54	50	50	51	55	55	
42" x 38"	11.08	500	5335	-.037	18	1067 x 965	1.03	2.54	2518	-9.2	38	29	31	30	29	17	
		650	6936	-.063	26			3.30	3273	-15.6	44	36	38	37	37	29	
		800	8536	-.095	33			4.06	4029	-23.6	48	42	43	43	44	39	
		950	10137	-.134	39			4.83	4784	-33.3	52	46	47	48	50	48	
		1100	11738	-.179	44			5.59	5540	-44.6	55	50	51	52	55	55	
48" x 36"	12.00	400	4627	-.024	11	1219 x 914	1.11	2.03	2183	-5.9	34	23	26	25	21	-	
		550	6362	-.045	21			2.79	3002	-11.2	40	32	34	33	32	22	
		700	8096	-.073	29			3.56	3821	-18.1	45	38	40	40	40	33	
		850	9831	-.107	36			4.32	4640	-26.7	50	44	45	45	47	43	
		1000	11566	-.148	41			5.08	5459	-36.9	53	48	49	49	52	51	
44" x 44"	13.44	400	5196	-.024	11	1118 x 1118	1.25	2.03	2452	-5.9	34	23	26	25	22	-	
		550	7145	-.045	22			2.79	3372	-11.2	41	32	34	34	33	22	
		700	9093	-.073	30			3.56	4291	-18.1	46	39	40	40	41	34	
		850	11042	-.107	36			4.32	5211	-26.7	50	44	45	45	47	43	
		1000	12990	-.148	41			5.08	6131	-36.9	53	49	49	50	52	51	
46" x 46"	14.69	400	5688	-.024	11	1168 x 1168	1.37	2.03	2684	-5.9	35	24	27	26	22	-	
		550	7821	-.045	22			2.79	3691	-11.2	41	32	35	34	33	22	
		700	9953	-.073	30			3.56	4697	-18.1	46	39	41	41	41	34	
		850	12086	-.107	36			4.32	5704	-26.7	50	44	45	46	47	44	
		1000	14219	-.148	42			5.08	6711	-36.9	54	49	49	50	53	51	
48" x 48"	16.00	400	6202	-.024	12	1219 x 1219	1.49	2.03	2927	-5.9	35	24	27	26	23	-	
		550	8527	-.045	22			2.79	4024	-11.2	42	33	35	34	33	23	
		700	10853	-.073	30			3.56	5122	-18.1	47	39	41	41	41	34	
		850	13178	-.107	37			4.32	6219	-26.7	51	45	46	46	48	44	
		1000	15504	-.148	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.

RETURN GRILLES

EG5 - EGC5