



# MODEL PG

## PERFORATED FACE RETURN GRILLE PERFORMANCE DATA

GRILLES Sizes in Inch	Core Area in Sq.Ft	Face Velocity ( fpm)							
		300	400	500	600	700	800	900	1000
		Negative Static Pressure							
		0.01	0.03	0.05	0.07	0.1	0.13	0.17	0.21
AirFlow (Cfm)									
6 x 6	0.17	51	68	85	102	119	136	153	170
	NC	<15	<15	<15	<15	15	17	22	25
8 x 6	0.24	72	96	120	144	168	192	216	240
	NC	<15	<15	<15	<15	17	21	24	27
12 x 6	0.37	111	148	185	222	259	296	333	370
	NC	<15	<15	<15	16	19	23	26	29
24 x 6	0.83	249	332	415	498	581	664	747	830
	NC	<15	<15	16	19	22	26	29	32
32 x 6	1.13	339	452	565	678	791	904	1017	1130
	NC	<15	<15	17	20	24	27	31	34
36 x 6	1.29	387	516	645	774	903	1032	1161	1290
	NC	<15	<15	18	21	25	29	32	35
8 x 8	0.33	99	132	165	198	231	264	297	330
	NC	<15	<15	<15	16	19	23	26	29
12 x 8	0.5	150	200	250	300	350	400	450	500
	NC	<15	<15	15	18	21	24	28	30
18 x 8	0.83	249	332	415	498	581	664	747	830
	NC	<15	<15	16	19	22	26	29	32
24 x 8	1.13	339	452	565	678	791	904	1017	1130
	NC	<15	<15	17	20	24	27	31	34
32 x 8	1.55	465	620	775	930	1085	1240	1395	1550
	NC	<15	<15	18	21	25	29	32	35
36 x 8	1.74	522	696	870	1044	1218	1392	1566	1740
	NC	<15	15	19	22	26	30	33	36
48 x 8	2.38	714	952	1190	1428	1666	1904	2142	2380
	NC	<15	17	20	23	27	31	34	37
10 x 10	0.55	165	220	275	330	385	440	495	550
	NC	<15	<15	<15	18	21	24	28	30
14 x 10	0.81	243	324	405	486	567	648	729	810
	NC	<15	<15	16	19	22	26	29	32
20 x 10	1.17	351	468	585	702	819	936	1053	1170
	NC	<15	<15	17	20	24	27	31	34
24 x 10	1.42	426	568	710	852	994	1136	1278	1420
	NC	<15	<15	18	21	25	29	32	35
30 x 10	1.77	531	708	885	1062	1239	1416	1593	1770
	NC	<15	15	19	22	26	30	33	36
32 x 10	1.89	567	756	945	1134	1323	1512	1701	1890
	NC	<15	15	19	22	26	30	33	36
48 x 10	3	900	1200	1500	1800	2100	2400	2700	3000
	NC	<15	16	20	24	28	32	35	38



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		300	400	500	600	700	800	900	1000
		Negative Static Pressure							
		0.01	0.03	0.05	0.07	0.1	0.13	0.17	0.21
		AirFlow (Cfm)							
12 x 12	0.83	249	332	415	498	581	664	747	830
	NC	<15	<15	16	19	22	26	29	32
16 x 12	1.13	339	452	565	678	791	904	1017	1130
	NC	<15	<15	17	20	24	27	31	34
24 x 12	1.74	522	696	870	1044	1218	1392	1566	1740
	NC	<15	<15	18	21	25	29	32	35
28 x 12	1.99	597	796	995	1194	1393	1592	1791	1990
	NC	<15	15	19	22	26	30	33	36
36 x 12	2.7	810	1080	1350	1620	1890	2160	2430	2700
	NC	<15	16	20	23	27	31	34	37
48 x 12	3.65	1095	1460	1825	2190	2555	2920	3285	3650
	NC	<15	18	21	25	29	33	36	39
18 x 14	1.62	486	648	810	972	1134	1296	1458	1620
	NC	15	22	29	33	37	41	42	44
16 x 16	1.55	465	620	775	930	1085	1240	1395	1550
	NC	<15	<15	18	21	25	29	32	35
24 x 16	2.38	714	952	1190	1428	1666	1904	2142	2380
	NC	<15	17	20	23	27	31	34	37
36 x 16	3.65	1095	1460	1825	2190	2555	2920	3285	3650
	NC	<15	18	21	25	29	33	36	39
18 x 18	1.99	597	796	995	1194	1393	1592	1791	1990
	NC	<15	15	19	22	26	30	33	36
24 x 18	2.7	810	1080	1350	1620	1890	2160	2430	2700
	NC	<15	16	20	23	27	31	34	37
40 x 18	4.55	1365	1820	2275	2730	3185	3640	4095	4550
	NC	<15	17	21	26	30	33	37	40
30 x 20	3.8	1140	1520	1900	2280	2660	3040	3420	3800
	NC	<15	18	21	25	29	33	36	39
48 x 20	6.22	1866	2488	3110	3732	4354	4976	5598	6220
	NC	15	19	22	27	31	35	38	41
24 x 24	3.74	1122	1496	1870	2244	2618	2992	3366	3740
	NC	<15	<15	18	21	25	29	32	35
36 x 24	5.56	1668	2224	2780	3336	3892	4448	5004	5560
	NC	<15	18	21	26	31	34	38	40
48 x 24	7.5	2250	3000	3750	4500	5250	6000	6750	7500
	NC	15	19	23	28	32	36	39	42

**Notes:**

- 1- Data is obtained from tests conducted in accordance with ANSI/ASHREA Standard 70-1991.
- 2- Ps. represents static pressures are in Inch of Water.
- 3- N.C values are based on octave band 2-7 sound power levels minus a room absorption of 10db.
- 4- Nominal size represents duct size. For lay-in applications, use neck size to determine data, not module size.