

PERFORMANCE DATA

RPG Exhaust Air Flow

Size	Opening Size Diameter "O"	Opening Area	Opening Velocity (fpm) Static Pressure (in. w.g.)	400	500	600	700	800	1000	1200
				-0.05	-0.08	-0.12	-0.16	-0.21	-0.32	-0.48
4	4	0.087	Flow Rate (cfm)	35	44	52	61	70	87	105
			Sound (NC)	-	-	-	-	22	28	34
5	5	0.136	Flow Rate (cfm)	55	68	82	95	109	136	164
			Sound (NC)	-	-	-	21	24	30	36
6	6	0.196	Flow Rate (cfm)	79	98	118	137	157	196	236
			Sound (NC)	-	-	-	23	26	32	38
8	8	0.349	Flow Rate (cfm)	140	175	209	244	279	349	419
			Sound (NC)	-	-	20	25	28	34	40
10	10	0.545	Flow Rate (cfm)	218	273	327	382	436	545	655
			Sound (NC)	-	-	23	27	30	36	42
12	12	0.786	Flow Rate (cfm)	314	393	471	550	628	786	943
			Sound (NC)	-	-	24	29	32	38	44
14	14	1.069	Flow Rate (cfm)	428	535	641	748	855	1069	1283
			Sound (NC)	-	20	25	30	33	39	45
16	16	1.396	Flow Rate (cfm)	559	698	838	978	1117	1396	1676
			Sound (NC)	-	21	26	31	34	40	46

RPG Supply Air Flow

Size	Opening Size Diameter "O"	Opening Area	Opening Velocity (fpm) Static Pressure (in. w.g.)	400	500	600	700	800	1000	1200
				0.06	0.09	0.13	0.17	0.22	0.35	0.50
4	4	0.087	Flow Rate (cfm)	35	44	52	61	70	87	105
			Sound (NC)	-	-	-	-	-	23	28
			Throw (ft)	2-4-8	3-6-10	4-8-13	4-10-14	5-11-16	7-12-16	8-13-19
5	5	0.136	Flow Rate (cfm)	55	68	82	95	109	136	164
			Sound (NC)	-	-	-	-	-	25	30
			Throw (ft)	3-6-11	4-9-14	5-10-15	6-12-17	7-14-19	8-15-21	10-17-24
6	6	0.196	Flow Rate (cfm)	79	98	118	137	157	196	236
			Sound (NC)	-	-	-	-	20	27	32
			Throw (ft)	4-9-13	5-11-16	6-13-18	8-15-20	9-16-23	10-18-26	12-21-29
8	8	0.349	Flow Rate (cfm)	140	175	209	244	279	349	419
			Sound (NC)	-	-	-	-	22	29	34
			Throw (ft)	5-11-19	7-13-21	8-15-24	10-19-26	11-22-30	14-25-34	
10	10	0.545	Flow Rate (cfm)	218	273	327	382	436	545	655
			Sound (NC)	-	-	-	20	24	31	36
			Throw (ft)	6-12-22	9-16-29	11-20-32	12-24-35	13-27-38	17-31-43	20-34-48
12	12	0.786	Flow Rate (cfm)	314	393	471	550	628	786	943
			Sound (NC)	-	-	-	22	26	33	37
			Throw (ft)	7-14-28	10-19-33	12-24-36	14-27-39	18-31-45	20-34-48	24-40-55
14	14	1.069	cfm	428	535	641	748	855	1069	1283
			NC	-	-	-	24	28	34	39
			Projection	8-17-33	12-22-37	15-28-44	16-32-48	18-37-56	23-42-60	28-45-62
16	16	1.396	cfm	559	698	838	978	1117	1396	1676
			NC	-	-	20	25	29	35	40
			Projection	9-20-38	14-28-46	17-32-52	20-37-58	23-40-62	27-45-65	30-50-70

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].
3. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100fpm and 50 fpm respectively.
4. Air flow cfm: Based on standard air density and isothermal conditions.
5. Static Pressure: in. w.g. required.
6. Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10⁻¹² watts.
7. Blanks "-" indicate an NC value less than 15.