

### Round Perforated Grille

#### Exhaust Air Flow Data

Model Size	Opening Size Diameter "O"	Opening Area	Opening Velocity Static Pressure	400 -0.05	500 -0.08	600 -0.12	700 -0.16	800 -0.21	1000 -0.32	1200 -0.48
04	4	0.087	CFM	35	44	52	61	70	87	105
			NC	•	•	•	•	22	28	34
05	5	0.136	CFM	55	68	82	95	109	136	164
			NC	•	•	•	21	24	30	36
06	6	0.196	CFM	79	98	118	137	157	196	236
			NC	•	•	•	23	26	32	38
08	8	0.349	CFM	140	175	209	244	279	349	419
			NC	•	•	20	25	28	34	40
10	10	0.545	CFM	218	273	327	382	436	545	655
			NC	•	•	23	27	30	36	42
12	12	0.786	CFM	314	393	471	550	628	786	943
			NC	•	•	24	29	32	38	44
14	14	1.069	CFM	428	535	641	748	855	1069	1283
			NC	•	20	25	30	33	39	45
16	16	1.396	CFM	559	698	838	978	1117	1396	1676
			NC	•	21	26	31	34	40	46

Performance data based on ASHRAE 70-91

#### Supply Air Flow Data

Model Size	Opening Size Diameter "O"	Opening Area	Opening Velocity Static Pressure	400 0.06	500 0.09	600 0.13	700 0.17	800 0.22	1000 0.35	1200 0.5
04	4	0.087	CFM	35	44	52	61	70	87	105
			NC	•	•	•	•	•	23	28
05	5	0.136	Projection	2-4-8	3-6-10	4-8-13	4-10-14	5-11-16	7-12-16	8-13-19
			CFM	55	68	82	95	109	136	164
06	6	0.196	NC	•	•	•	•	•	25	30
			Projection	3-6-11	4-9-14	5-10-15	6-12-17	7-14-19	8-15-21	10-17-24
08	8	0.349	CFM	79	98	118	137	157	196	236
			NC	•	•	•	•	20	27	32
10	10	0.545	Projection	4-9-13	5-11-16	6-13-18	8-15-20	9-16-23	10-18-26	12-21-29
			CFM	140	175	209	244	279	349	419
12	12	0.786	NC	•	•	•	•	22	29	34
			Projection	5-11-19	7-13-21	8-15-24	10-19-26	11-22-30	14-25-34	16-28-38
14	14	1.069	CFM	218	273	327	382	436	545	655
			NC	•	•	•	20	24	31	36
16	16	1.396	Projection	6-12-22	9-16-29	11-20-32	12-24-35	13-27-38	17-31-43	20-34-48
			CFM	314	393	471	550	628	786	943
12	12	0.786	NC	•	•	•	22	26	33	37
			Projection	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
16	16	1.396	Projection	8-17-33	12-22-37	15-28-44	16-32-48	18-37-56	23-42-60	28-45-62
			CFM	559	698	838	978	1117	1396	1676
16	16	1.396	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 data based on ASHRAE 70-91

**Projection:** Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

**Terminal Velocity:** Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100 fpm and 50 fpm respectively.

**Airflow CFM:** Standard air density and isothermal conditions.

**Static Pressure:** Inches of water gauge required.

**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.