

PERFORMANCE DATA

MSRRG

Size	Neck Velocity (fpm)	100	150	200	250	300	350	400	450
	Velocity Pressure (in. w.g.)	0.001	0.001	0.002	0.004	0.006	0.008	0.010	0.013
	Total Pressure (in. w.g.)	0.022	0.050	0.090	0.140	0.202	0.275	0.359	0.454
6 x 6	Flow Rate (cfm)	25	38	50	63	75	88	100	113
	Sound (NC)	-	-	19	25	30	34	37	40
	Throw (ft)	1-1-4	1-3-6	2-4-8	4-5-9	4-6-10	5-7-11	6-8-11	6-8-12
8 x 8	Flow Rate (cfm)	44	67	89	111	133	156	178	200
	Sound (NC)	-	-	20	26	31	35	39	42
	Throw (ft)	1-2-6	2-4-09	3-6-11	5-7-12	6-9-13	7-10-14	8-11-15	9-11-16
10 x 10	Flow Rate (cfm)	69	104	139	174	208	243	278	313
	Sound (NC)	-	-	21	27	32	36	40	43
	Throw (ft)	1-2-7	2-5-11	4-7-13	6-9-15	7-11-16	8-12-18	10-13-19	11-14-20
12 x 12	Flow Rate (cfm)	100	150	200	250	300	350	400	450
	Sound (NC)	-	-	22	28	33	37	40	43
	Throw (ft)	1-3-9	3-6-13	5-9-16	7-11-18	9-13-20	10-15-21	11-16-23	13-17-24
14 x 14	Flow Rate (cfm)	136	204	272	340	408	476	544	613
	Sound (NC)	-	-	22	28	33	37	41	44
	Throw (ft)	1-3-10	3-7-15	6-10-19	8-13-21	10-15-23	12-17-25	13-19-26	15-20-28
16 x 16	Flow Rate (cfm)	178	267	356	444	533	622	711	800
	Sound (NC)	-	15	23	29	34	38	42	45
	Throw (ft)	2-4-11	4-8-17	7-11-21	10-14-24	11-17-26	13-20-28	15-21-30	17-23-32
18 x 18	Flow Rate (cfm)	225	338	450	563	675	788	900	1013
	Sound (NC)	-	16	23	29	34	38	42	45
	Throw (ft)	2-4-13	4-9-19	7-13-24	11-16-27	13-19-29	15-22-32	17-24-34	19-25-36
20 x 20	Flow Rate (cfm)	278	417	556	694	833	972	1111	1250
	Sound (NC)	-	16	24	30	35	39	43	46
	Throw (ft)	2-5-14	5-10-22	8-14-27	12-18-30	14-22-33	17-25-35	19-27-38	22-28-40
22 x 22	Flow Rate (cfm)	336	504	672	840	1008	1176	1344	1513
	Sound (NC)	-	17	24	30	35	39	43	46
	Throw (ft)	2-5-16	5-12-24	9-16-29	13-20-33	16-24-36	18-27-39	21-29-41	24-31-44
24 x 24	Flow Rate (cfm)	400	600	800	1000	1200	1400	1600	1800
	Sound (NC)	-	17	25	31	36	40	43	47
	Throw (ft)	2-6-17	6-13-26	10-17-32	14-22-36	17-26-39	20-30-42	23-32-45	26-34-48

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal Velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC values are based on room absorption of 10 dB re 10⁻¹² Watts and one grille.
7. Blanks "-" indicate an NC value less than 15.
8. Corrections for return application: add 5 to listed NC; multiply listed total pressure by 2.0 to obtain negative static pressure.