

OMNI-RS / ARCHITECTURAL CEILING / SQUARE BACKPAN / ROUND PLAQUE

		Neck Velocity	300	400	500	600	700	800	1000
		Velocity Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062
24 x 24 Module	6" Dia.	Airflow, cfm	59	80	98	118	137	157	196
		Total Pressure	0.017	0.031	0.048	0.070	0.095	0.124	0.194
		NC (Noise Criteria)	-	-	-	12	16	21	31
		Throw	1-2-5	1-3-6	2-4-7	2-4-7	3-5-8	4-6-9	5-7-10
	8" Dia.	Airflow, cfm	105	140	175	209	244	279	349
		Total Pressure	0.025	0.045	0.07	0.101	0.138	0.180	0.279
		NC (Noise Criteria)	-	-	-	12	16	21	31
		Throw	2-4-8	2-5-9	3-6-10	4-7-10	5-8-11	6-9-12	7-10-14
	10" Dia.	Airflow, cfm	164	218	273	327	382	436	545
		Total Pressure	0.035	0.062	0.096	0.139	0.189	0.247	0.375
		NC (Noise Criteria)	-	-	-	12	16	21	32
		Throw	2-6-10	3-7-11	4-8-12	5-9-13	6-10-14	7-12-15	9-13-17
	12" Dia.	Airflow, cfm	216	289	361	433	505	577	721
		Total Pressure	0.037	0.066	0.104	0.149	0.203	0.265	0.423
		NC (Noise Criteria)	-	-	-	13	17	22	32
		Throw	3-5-10	5-7-12	6-8-13	7-10-14	8-11-15	10-12-17	12-15-19

- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006. Actual performance, with flexible duct inlet, may vary in the field. See the section, Engineering Guidelines of this catalog for additional information.
- Throw values given are for terminal velocities of 150, 100 and 50 fpm and for isothermal conditions. See the section, Engineering Guidelines for the catalog throw data information.
- Each NC value represents the noise criteria curve that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10⁻¹² watts
- Dash (-) in space denotes an NC value of less than 10
- All pressures are given in inches of water
- To obtain static pressure, subtract the velocity pressure from the total pressure