

PERFORMANCE DATA:

Model UNI2-VAV • 24 x 24 (600 x 600) Face Size • 4-Way Blow (360° Pattern)

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	900	1000	1200	1400
	Velocity Pressure	.005	.010	.016	.023	.031	.040	.051	.063	.090	.122
6" Dia.	Total Pressure	.009	.011	.017	.025	.034	.044	.057	.070	.100	.135
	Airflow, CFM	60	80	100	120	140	160	180	200	240	280
	Horizontal Throw	1-1-2	1-1-4	1-2-4	1-3-5	2-3-6	2-4-7	3-4-8	3-4-9	4-5-11	4-6-11
	Noise Criteria	—	—	—	—	—	13	17	21	28	34
8" Dia.	Total Pressure	.011	.018	.028	.040	.055	.072	.091	.112	.162	.220
	Airflow, CFM	105	140	175	210	245	280	315	350	420	490
	Horizontal Throw	1-2-4	2-3-6	2-4-7	3-4-9	3-5-10	4-6-12	4-6-12	5-7-13	6-9-14	7-10-15
	Noise Criteria	—	—	—	—	—	17	21	25	32	38
10" Dia.	Total Pressure	.017	.029	.043	.060	.082	.108	.136	.168	.243	.331
	Airflow, CFM	165	220	275	330	385	440	495	550	660	770
	Horizontal Throw	2-3-7	3-4-8	3-5-10	4-6-12	5-7-13	5-8-14	6-9-15	7-10-16	8-12-18	10-13-19
	Noise Criteria	—	—	—	—	15	20	24	28	35	41
12" Dia.	Total Pressure	.023	.037	.059	.085	.115	.151	.191	.237	.338	.461
	Airflow, CFM	240	310	390	470	550	630	710	790	940	1100
	Horizontal Throw	2-4-7	4-5-11	5-7-14	5-8-15	6-9-16	7-11-17	8-12-18	9-14-19	11-15-21	13-16-23
	Noise Criteria	—	—	—	—	18	23	27	31	38	43
14" Dia.	Total Pressure	.031	.050	.078	.114	.155	.202	.256	.316	.453	.619
	Airflow, CFM	320	430	530	640	750	860	960	1070	1280	1500
	Horizontal Throw	3-4-8	4-7-13	6-8-16	7-10-17	8-12-19	9-13-20	10-15-21	11-16-23	13-17-25	15-19-27
	Noise Criteria	—	—	—	—	20	25	29	33	40	45

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. All pressures are in inches w.g.. To obtain static pressure, subtract the velocity pressure from the total pressure.

3. Noise Criteria (NC) values are based upon 10dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates an Noise Criteria of less than 15.
4. Diffusers were tested with disc damper in the fully open position.

5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.
6. Flow hoods are recommended for system balancing.