

## PERFORMANCE DATA:

### Model UNI2-VAV • 24 x 24 (610 x 610) 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
<b>6" Dia.</b>	Total Pressure	.009	.011	.017	.025	.034	.044	.057	.070	.100	.135
	Airflow, CFM	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>240</b>	<b>280</b>
	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
<b>8" Dia.</b>	Total Pressure	.011	.018	.028	.040	.055	.072	.091	.112	.162	.220
	Airflow, CFM	<b>105</b>	<b>140</b>	<b>175</b>	<b>210</b>	<b>245</b>	<b>280</b>	<b>315</b>	<b>350</b>	<b>420</b>	<b>490</b>
	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
<b>10" Dia.</b>	Total Pressure	.017	.029	.043	.060	.082	.108	.136	.168	.243	.331
	Airflow, CFM	<b>165</b>	<b>220</b>	<b>275</b>	<b>330</b>	<b>385</b>	<b>440</b>	<b>495</b>	<b>550</b>	<b>660</b>	<b>770</b>
	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
<b>12" Dia.</b>	Total Pressure	.023	.037	.059	.085	.115	.151	.191	.237	.338	.461
	Airflow, CFM	<b>240</b>	<b>310</b>	<b>390</b>	<b>470</b>	<b>550</b>	<b>630</b>	<b>710</b>	<b>790</b>	<b>940</b>	<b>1100</b>
	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
<b>14" Dia.</b>	Total Pressure	.031	.050	.078	.114	.155	.202	.256	.316	.453	.619
	Airflow, CFM	<b>320</b>	<b>430</b>	<b>530</b>	<b>640</b>	<b>750</b>	<b>860</b>	<b>960</b>	<b>1070</b>	<b>1280</b>	<b>1500</b>
	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:

- Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
- All pressures are in inches w.g.. To obtain static pressure, subtract the velocity pressure from the total pressure.
- Noise Criteria (NC) values are based upon 10dB room absorption, re 10<sup>-12</sup> watts. Dash (—) in space indicates a Noise Criteria of less than 15.
- Diffusers were tested with disc damper in the fully open position.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.
- Flow hoods are recommended for system balancing.