PERFORMANCE DATA:

Model UNI2-LT • 24 x 24 (600 x 600) Face Size • Low Temperature Construction

Nominal Neck Size	Neck Velocity, FPM	575	860	1150	1430	1720	2000	2289
	Velocity Pressure, in. w.g.	0.021	0.046	0.082	0.127	0.184	0.249	0.327
4" Round Dia.	Airflow, CFM	50	75	100	125	150	175	200
	Total Pressure, in. w.g.	.06	.12	.21	.31	.45	.60	.77
	Throw, Isothermal	2-4-8	3-6-12	6-8-14	6-10-17	8-12-18	9 13-20	9-16-22
	Throw, ΔT	2-3-5	3-6-8	6-7-9	6-7-10	8-9-11	9-10-12	9-12-13
	Noise Criteria (NC)	–	24	33	38	43	48	51
	Drop, ΔT	2.3	1.4	0.8	0.6	0.4	0.3	0.2

Nominal Neck Size	Neck Velocity, FPM	255	385	510	640	765	895	1020
	Velocity Pressure, in. w.g.	0.004	0.009	0.016	0.026	0.036	0.050	0.065
6" Round Dia.	Airflow, CFM	50	75	100	125	150	175	200
	Total Pressure, in. w.g.	.05	.08	.13	.19	.27	.36	.46
	Throw, Isothermal	2-4-8	3-6-12	6-8-14	6-10-17	8-12-18	9 13-20	9-16-22
	Throw, ΔT	2-3-5	3-6-8	6-7-9	6-7-10	8-9-11	9-10-12	9-12-13
	Noise Criteria (NC)	–	19	26	31	37	40	43
	Drop, ΔT	2.3	1.4	0.8	0.6	0.4	0.3	0.2

Nominal Neck Size	Neck Velocity, FPM	144	215	287	358	430	500	573
	Velocity Pressure, in. w.g.	0.001	0.003	0.005	0.008	0.012	0.016	0.020
8" Round Dia.	Airflow, CFM	50	75	100	125	150	175	200
	Total Pressure, in. w.g.	.03	.06	.10	.15	.22	.30	.40
	Throw, Isothermal	2-4-8	3-6-12	6-8-14	6-10-17	8-12-18	9 13-20	9-16-22
	Throw, ΔT	2-3-5	3-6-8	6-7-9	6-7-10	8-9-11	9-10-12	9-12-13
	Noise Criteria (NC)	–	–	21	27	32	37	40
	Drop, ΔT	2.3	1.4	0.8	0.6	0.4	0.3	0.2

Nominal Neck Size	Neck Velocity, FPM	91	137	184	230	275	321	367
	Velocity Pressure, in. w.g.	0.001	0.001	0.002	0.003	0.005	0.006	0.008
10" Oval Dia.	Airflow, CFM	50	75	100	125	150	175	200
	Total Pressure, in. w.g.	.03	.05	.11	.16	.23	.32	.42
	Throw, Isothermal	2-4-8	3-6-12	6-8-14	6-10-17	8-12-18	9 13-20	9-16-22
	Throw, ΔT	2-3-5	3-6-8	6-7-9	6-7-10	8-9-11	9-10-12	9-12-13
	Noise Criteria (NC)	–	–	18	24	29	34	37
	Drop, ΔT	2.3	1.4	0.8	0.6	0.4	0.3	0.2

Performance Notes:

1. Throws values are given in feet for terminal velocities of 150, 100 and 50 fpm.

2. All pressures are in inches w.g.. To obtain static pressure, subtract the velocity pressure from the total pressure.

3. Isothermal throw values indicate supply air temperature is equal to room air temperature.

4. ΔT Throw values (cooling) are based on a supply air temperature of 40°F and a room temperature of 75°F (35°F ΔT).

5. Noise Criteria (NC) values are based on 10dB room absorption, re 10^{-12} watts. Dash (—) in space indicates an Noise Criteria of less than 15.

6. Drop values are given in feet at a terminal velocity of 50 fpm.

7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 1991.