

## PERFORMANCE DATA:

### Models UNI-RP • 24 x 24 (600 x 600) Face Size

Nominal Neck Size	Neck Velocity, FPM	400	500	600	700	800	900	1000	1100	1200	1400
	Velocity Pressure	.010	.016	.022	.031	.040	.050	.062	.075	.090	.122
6" Dia.	Total Pressure	.019	.028	.040	.052	.067	.084	.102	.122	.147	.193
	Airflow, CFM	80	100	120	135	155	175	195	215	235	275
	Throw	1-1-4	1-2-5	2-2-5	2-3-5	2-3-6	2-3-7	2-4-7	3-4-7	3-5-8	4-6-8
	Noise Criteria	—	—	—	15	20	24	28	31	34	37
8" Dia.	Total Pressure	.023	.035	.047	.066	.085	.106	.132	.161	.190	.258
	Airflow, CFM	140	175	210	245	280	315	350	385	420	490
	Throw	2-3-7	2-4-7	3-4-8	3-5-9	4-6-9	4-6-10	5-7-11	5-8-11	6-8-12	7-10-13
	Noise Criteria	—	—	—	16	20	25	29	32	35	39
10" Dia.	Total Pressure	.030	.047	.066	.092	.120	.152	.186	.225	.267	.365
	Airflow, CFM	220	275	325	380	435	490	545	600	655	765
	Throw	3-4-9	3-5-10	4-6-11	5-7-12	5-8-13	6-8-14	6-9-15	7-10-15	8-11-16	9-13-17
	Noise Criteria	—	—	15	20	22	26	31	35	38	43
12" Dia.	Total Pressure	.045	.075	.103	.140	.184	.233	.283	.339	.411	.552
	Airflow, CFM	315	395	470	550	630	705	785	865	940	1100
	Throw	3-5-11	4-6-13	5-7-14	5-8-15	6-9-16	7-10-17	8-11-18	8-12-19	9-13-20	10-16-21
	Noise Criteria	—	19.000	22	25	30	35	38	42	45	51
14" Dia.	Total Pressure	.069	.111	.159	.211	.278	.352	.426	.516	.616	.842
	Airflow, CFM	430	535	640	750	855	960	1070	1175	1285	1495
	Throw	4-6-12	5-8-14	6-9-15	7-11-16	8-12-17	9-13-18	10-14-19	11-15-20	12-16-21	14-18-23
	Noise Criteria	15	21	24	30	35	39	42	46	49	56
15" Dia.	Total Pressure	.077	.134	.186	.260	.343	.436	.532	.646	.773	1.075
	Airflow, CFM	490	615	735	860	980	1105	1225	1350	1475	1720
	Throw	5-7-13	6-9-15	7-10-16	8-11-18	9-12-19	11-15-20	12-16-21	13-17-22	14-18-23	16-20-26
	Noise Criteria	17	23	26	32	38	41	45	48	51	60

#### 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<sup>-12</sup> watts. Dash (—) in space indicates an Noise Criteria of less than 15.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

#### Balancing:

It is recommended that a commercially available 'Flow Hood' is used for field balancing. The airflow meter directly reads average flow rate with great accuracy at all volumes. It is a much faster and more accurate alternative to time consuming multiple velocity readings, eliminating the use of Ak factors and the calculations required to convert the average velocity into airflow.