PERFORMANCE DATA:

MODEL 66UNI • 24 x 24 (610 x 610) CEILING MODULE • IMPERIAL UNITS

1 Slot

6" Dia. Neck	**Airflow, CFM**	**80**	**100**	**120**	**140**	**160**	**175**	**195**	**235**	**275**
	Neck Velocity, FPM	400	500	600	700	800	900	1000	1200	1400
	Total Pressure	.021	.033	.048	.066	.086	.108	.133	.192	.261
	Static Pressure	.011	.017	.026	.035	.046	.058	.071	.102	.139
	Throw, ft.	2-3-5	2-3-7	3-4-7	3-5-8	4-5-10	4-6-12	4-7-13	5-8-14	6-8-14
	Noise Criteria	—	—	17	21	25	28	31	35	40
8" Dia. Neck	**Airflow, CFM**	**140**	**165**	**190**	**220**	**245**	**270**	**295**	**325**	**350**
	Neck Velocity, FPM	400	475	550	625	700	775	850	925	1000
	Total Pressure	.026	.036	.048	.063	.079	.097	.117	.139	.162
	Static Pressure	.016	.022	.029	.039	.048	.060	.072	.086	.100
	Throw, ft.	3-5-8	4-5-10	4-6-12	5-6-13	5-7-13	5-8-14	6-9-14	6-10-15	7-11-15
	Noise Criteria	—	18	22	25	28	31	33	36	38
10" Dia. Neck	**Airflow, CFM**	**110**	**150**	**190**	**230**	**275**	**315**	**355**	**395**	**455**
	Neck Velocity, FPM	200	275	350	425	500	575	650	725	800
	Total Pressure	.008	.014	.023	.034	.047	.062	.080	.099	.121
	Static Pressure	.006	.009	.015	.023	.031	.041	.054	.066	.081
	Throw, ft.	2-4-6	3-5-9	4-5-12	5-7-13	5-8-14	6-10-14	7-11-15	8-12-16	9-13-17
	Noise Criteria	—	—	16	21	25	29	32	35	37

2 Slot

6" Dia. Neck	**Airflow, CFM**	**60**	**95**	**130**	**165**	**195**	**230**	**265**	**300**	**335**
	Neck Velocity, FPM	300	475	650	825	1000	1175	1350	1525	1700
	Total Pressure	.010	.024	.045	.072	.105	.146	.193	.246	.305
	Static Pressure	.004	.010	.019	.030	.043	.060	.079	.101	.125
	Throw, ft.	0-1-3	1-2-4	2-3-5	2-4-7	3-5-8	4-5-10	4-5-12	5-6-13	5-7-14
	Noise Criteria	—	—	—	17	22	26	30	33	36
8" Dia. Neck	**Airflow, CFM**	**140**	**190**	**245**	**295**	**350**	**400**	**455**	**505**	**560**
	Neck Velocity, FPM	400	550	700	850	1000	1150	1300	1450	1600
	Total Pressure	.021	.039	.063	.092	.128	.169	.217	.269	.328
	Static Pressure	.011	.020	.032	.047	.066	.087	.112	.138	.168
	Throw, ft.	2-3-6	3-5-8	4-5-11	5-6-13	5-7-15	5-9-16	6-10-18	7-11-19	8-12-20
	Noise Criteria	—	—	20	25	29	33	36	39	42
10" Dia. Neck	**Airflow, CFM**	**220**	**275**	**325**	**380**	**435**	**490**	**545**	**600**	**655**
	Neck Velocity, FPM	400	500	600	700	800	900	1000	1100	1200
	Total Pressure	.024	.037	.053	.073	.095	.121	.149	.180	.214
	Static Pressure	.014	.021	.031	.042	.055	.071	.087	.105	.124
	Throw, ft.	3-5-9	4-6-12	5-7-14	5-8-16	6-9-17	7-11-18	8-12-19	9-13-21	9-14-22
	Noise Criteria	—	16	21	25	29	32	35	37	40
12" Dia. Neck	**Airflow, CFM**	**235**	**315**	**395**	**470**	**550**	**630**	**705**	**785**	**865**
	Neck Velocity, FPM	300	400	500	600	700	800	900	1000	1100
	Total Pressure	.015	.027	.042	.061	.083	.107	.136	.168	.203
	Static Pressure	.009	.017	.026	.039	.052	.067	.086	.106	.128
	Throw, ft.	4-5-10	5-7-14	5-8-16	7-10-18	8-12-20	9-14-21	10-15-22	12-16-23	13-17-24
	Noise Criteria	—	15	21	26	30	33	36	39	42

Performance Notes:

1. All pressures are in inches w.g..
2. Throws are given at 150, 100 and 50 fpm terminal velocities, under isothermal conditions.
3. Noise Criteria (NC) values are based on 10 dB room absorption, re 10^{-12} watts. Dash (—) in spaces indicates an Noise Criteria level 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.

PERFORMANCE DATA:

MODEL 66UNI • 24 x 24 (610 x 610) CEILING MODULE • IMPERIAL UNITS

3 Slot

8" Dia. Neck	**Airflow, CFM**	**105**	**165**	**225**	**290**	**350**	**410**	**470**	**530**	**595**
	Neck Velocity, FPM	300	475	650	825	1000	1175	1350	1525	1700
	Total Pressure	.010	.024	.045	.072	.106	.146	.192	.245	.304
	Static Pressure	.004	.010	.018	.030	.043	.060	.078	.100	.124
	Throw, ft.	2-3-4	3-4-6	3-6-9	4-8-11	5-9-13	6-11-16	7-13-18	8-14-20	9-16-23
	Noise Criteria	—	—	18	22	25	28	32	35	38
10" Dia. Neck	**Airflow, CFM**	**165**	**230**	**300**	**370**	**435**	**505**	**575**	**640**	**710**
	Neck Velocity, FPM	300	425	550	675	800	925	1050	1175	1300
	Total Pressure	.010	.021	.035	.052	.074	.099	.127	.159	.195
	Static Pressure	.005	.010	.016	.024	.034	.045	.058	.073	.090
	Throw, ft.	3-5-7	4-7-10	5-8-12	6-10-14	6-11-16	7-13-18	8-14-20	9-15-22	9-16-24
	Noise Criteria	—	—	18	24	27	30	33	36	39
12" Dia. Neck	**Airflow, CFM**	**235**	**315**	**395**	**470**	**550**	**630**	**705**	**785**	**865**
	Neck Velocity, FPM	300	400	500	600	700	800	900	1000	1100
	Total Pressure	.012	.021	.034	.048	.066	.086	.110	.136	.164
	Static Pressure	.006	.011	.018	.026	.036	.047	.059	.073	.089
	Throw, ft.	4-7-10	5-9-12	6-10-15	7-12-17	8-13-19	8-15-21	9-16-23	10-17-25	11-19-27
	Noise Criteria	—	16	20	25	28	30	33	35	37
14" Dia. Neck	**Airflow, CFM**	**320**	**430**	**535**	**640**	**750**	**855**	**960**	**1070**	**1175**
	Neck Velocity, FPM	300	400	500	600	700	800	900	1000	1100
	Total Pressure	.013	.023	.037	.053	.072	.094	.119	.148	.179
	Static Pressure	.007	.013	.021	.030	.041	.054	.069	.085	.104
	Throw, ft.	5-8-12	6-10-15	7-12-17	8-14-20	9-16-23	10-17-25	11-19-27	12-21-30	13-22-32
	Noise Criteria	—	—	20	28	31	33	36	39	41

Performance Notes:

1. All pressures are in inches w.g..
2. Throws are given at 150, 100 and 50 fpm terminal velocities, under isothermal conditions.
3. Noise Criteria (NC) values are based on 10 dB room absorption, re 10^{-12} watts. Dash (—) in spaces indicates an Noise Criteria level of less than 15.
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