

## Performance Data

### Model 66UNI • 24 x 24 (600 x 600) Ceiling Module

#### 1 Slot

<b>6" Dia. Neck</b>	Airflow, cfm	<b>79</b>	<b>99</b>	<b>118</b>	<b>138</b>	<b>158</b>	<b>177</b>	<b>197</b>	<b>236</b>	<b>276</b>	
	Neck Velocity, fpm	400	500	600	700	800	900	1000	1200	1400	
	Total Pressure	0.021	0.033	0.048	0.066	0.086	0.108	0.133	0.192	0.261	
	Static Pressure	0.011	0.017	0.026	0.035	0.046	0.058	0.071	0.102	0.139	
<b>8" Dia. Neck</b>	Airflow, cfm	<b>140</b>	<b>166</b>	<b>192</b>	<b>218</b>	<b>244</b>	<b>270</b>	<b>297</b>	<b>323</b>	<b>349</b>	
	Neck Velocity, fpm	400	475	500	625	700	775	850	925	1000	
	Total Pressure	0.026	0.036	0.048	0.063	0.079	0.097	0.117	0.139	0.162	
	Static Pressure	0.016	0.022	0.029	0.039	0.048	0.060	0.072	0.086	0.100	
<b>10" Dia. Neck</b>	Airflow, cfm	<b>109</b>	<b>150</b>	<b>191</b>	<b>232</b>	<b>273</b>	<b>313</b>	<b>354</b>	<b>395</b>	<b>456</b>	
	Neck Velocity, fpm	200	275	350	425	500	575	650	725	800	
	Total Pressure	0.008	0.014	0.023	0.034	0.047	0.062	0.080	0.099	0.121	
	Static Pressure	0.006	0.009	0.015	0.023	0.031	0.041	0.054	0.066	0.081	
<b>6" Dia. Neck</b>	Throw	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	
	NC	—	—	17	21	25	8	31	35	40	
	<b>8" Dia. Neck</b>	Throw	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
		NC	—	18	22	25	28	31	33	36	38
<b>10" Dia. Neck</b>		Throw	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
		NC	—	—	16	21	25	29	32	35	37

#### 2 Slot

<b>6" Dia. Neck</b>	Airflow, cfm	<b>59</b>	<b>94</b>	<b>128</b>	<b>163</b>	<b>197</b>	<b>231</b>	<b>266</b>	<b>300</b>	<b>335</b>	
	Neck Velocity, fpm	300	475	650	825	100	1175	1350	1525	17000	
	Total Pressure	0.010	0.024	0.045	0.072	0.105	0.146	0.193	0.246	0.305	
	Static Pressure	0.004	0.010	0.019	0.030	0.043	0.060	0.079	0.101	0.125	
<b>8" Dia. Neck</b>	Throw	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	
	NC	—	—	—	17	22	26	30	33	36	
	<b>10" Dia. Neck</b>	Airflow, cfm	<b>140</b>	<b>192</b>	<b>244</b>	<b>297</b>	<b>349</b>	<b>401</b>	<b>454</b>	<b>506</b>	<b>558</b>
		Neck Velocity, fpm	400	550	700	850	1000	1150	1300	1450	1600
Total Pressure		0.021	0.039	0.063	0.092	0.128	0.169	0.217	0.269	0.328	
Static Pressure		0.011	0.020	0.032	0.047	0.066	0.087	0.112	0.138	0.168	
<b>12" Dia. Neck</b>	Throw	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	
	NC	—	—	20	25	29	33	36	39	42	
	<b>10" Dia. Neck</b>	Airflow, cfm	<b>218</b>	<b>273</b>	<b>327</b>	<b>382</b>	<b>436</b>	<b>491</b>	<b>545</b>	<b>600</b>	<b>654</b>
		Neck Velocity, fpm	400	500	600	700	800	900	1000	1100	1200
Total Pressure		0.024	0.037	0.053	0.073	0.095	0.121	0.149	0.18	0.214	
Static Pressure		0.014	0.021	0.031	0.042	0.055	0.071	0.087	0.105	0.124	
<b>12" Dia. Neck</b>	Throw	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	
	NC	—	16	21	25	29	32	35	37	40	
	<b>12" Dia. Neck</b>	Airflow, cfm	<b>236</b>	<b>314</b>	<b>393</b>	<b>471</b>	<b>550</b>	<b>628</b>	<b>707</b>	<b>785</b>	<b>864</b>
		Neck Velocity, fpm	300	400	500	600	700	800	900	1000	1100
Total Pressure		0.015	0.027	0.042	0.061	0.083	0.107	0.136	0.168	0.203	
Static Pressure		0.009	0.017	0.026	0.039	0.052	0.067	0.086	0.106	0.128	
<b>12" Dia. Neck</b>	Throw	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	
	NC	—	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. NC (Noise Criteria) values are based on 10 dB room absorption, re 10<sup>-12</sup> watts. Dash (-) in spaces indicates an NC level of less 15.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 1991.

#### 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.