

HELIOS MAXIMUM FLOW SELECTION

Inlet Size	Neck Velocity Velocity Pressure	400 0.010	500 0.016	600 0.022	700 0.031	800 0.040	900 0.050	1000 0.062
6"	Static pressure	0.022	0.034	0.049	0.066	0.086	0.11	0.134
	Total Pressure	0.032	0.50	0.071	0.097	0.126	0.16	0.196
	cfm	79	98	118	137	157	177	196
	NC	-	-	13	18	22	26	29
	Throw, ft	1-1-4	1-2-5	1-3-7	2-4-7	2-4-8	3-5-8	3-5-9
8"	Static pressure	0.024	0.038	0.054	0.074	0.097	0.122	0.151
	Total Pressure	0.034	0.054	0.076	0.105	0.137	0.172	0.213
	cfm	140	175	209	244	279	314	349
	NC	-	15	20	24	28	31	34
	Throw, ft	1-3-6	2-4-8	3-5-9	4-5-11	4-6-11	5-7-12	5-8-13
10"	Static pressure	0.038	0.059	0.085	0.116	0.152	0.192	0.237
	Total Pressure	0.048	0.075	0.107	0.147	0.192	0.242	0.299
	cfm	218	273	327	382	436	491	545
	NC	17	23	28	32	36	39	42
	Throw, ft	4-6-11	5-7-13	6-9-14	7-10-15	8-11-16	9-12-17	10-13-18
12"	Static pressure	0.062	0.097	0.14	0.191	0.249	0.315	0.389
	Total Pressure	0.072	0.113	0.162	0.222	0.289	0.365	0.451
	cfm	314	393	471	550	628	707	785
	NC	18	25	31	36	40	43	47
	Throw, ft	5-7-13	6-9-14	7-11-16	9-12-17	10-13-18	11-14-19	12-14-20

Notes:

- Throw values given are for terminal velocities of 150, 100 and 50 fpm, respectively at 20° F Cooling. See Engineering Guidelines section for additional information.
- Velocity pressures are calculated based on inlet duct velocities
- Noise Criteria (NC) is based on room sound attenuation of 10dB (per AHRI 885 Standard). NC values less than 15 are shown as "-".
- Data was obtained by tests conducted in accordance with standard ANSI/ASHRAE 70