

DVCP

Unit Size (W x H)	Inlet Size	Neck Velocity	200	300	400	500	600	700	800
		Velocity Pressure	0.002	0.006	0.010	0.016	0.022	0.031	0.040
12" x 24"	6" Dia.	Airflow, cfm	38	56	75	94	113	132	151
		Total Pressure	0.003	0.007	0.013	0.020	0.028	0.039	0.051
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) Δ5°	2-2	3-3	3-3	4-4	4-4	4-4	5-5
		Adjacent Zone (AZ) Δ10°	2-2	3-3	3-3	4-4	5-5	5-5	5-5
14" x 36"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.040	0.052
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) Δ5°	3-3	4-4	4-4	5-5	6-6	6-6	7-7
		Adjacent Zone (AZ) Δ10°	3-3	4-4	5-5	6-6	6-6	7-7	8-8
16" x 36"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.008	0.014	0.022	0.032	0.043	0.056
		NC (Noise Criteria)	-	-	-	-	-	-	13
		Adjacent Zone (AZ) Δ5°	4-4	5-5	6-6	7-7	8-8	8-8	9-9
		Adjacent Zone (AZ) Δ10°	4-4	6-6	7-7	8-8	9-9	9-9	10-10
18" x 59"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.003	0.007	0.013	0.020	0.028	0.039	0.051
		NC (Noise Criteria)	-	-	-	-	-	10	15
		Adjacent Zone (AZ) Δ5°	5-5	6-6	7-7	8-8	9-9	10-10	11-11
		Adjacent Zone (AZ) Δ10°	5-5	7-7	8-8	9-9	11-11	12-12	13-13
22" x 79"	16" Dia.	Airflow, cfm	275	412	550	687	825	962	1100
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.039	0.051
		NC (Noise Criteria)	-	-	-	-	-	14	19
		Adjacent Zone (AZ) Δ5°	7-7	9-9	10-10	12-12	13-13	15-15	16-16
		Adjacent Zone (AZ) Δ10°	8-8	10-10	12-12	14-14	15-15	17-17	18-18
26" x 79"	20" Dia.	Airflow, cfm	431	646	862	1077	1293	1508	1724
		Total Pressure	0.003	0.008	0.014	0.022	0.031	0.042	0.055
		NC (Noise Criteria)	-	-	-	-	13	18	23
		Adjacent Zone (AZ) Δ5°	9-9	11-11	14-14	16-16	18-18	19-19	21-21
		Adjacent Zone (AZ) Δ10°	10-10	13-13	15-15	18-18	20-20	22-22	24-24
31" x 79"	24" Dia.	Airflow, cfm	622	933	1244	1554	1865	2176	2487
		Total Pressure	0.004	0.008	0.015	0.023	0.033	0.045	0.058
		NC (Noise Criteria)	-	-	-	-	16	21	26
		Adjacent Zone (AZ) Δ5°	11-11	14-14	17-17	19-19	22-22	24-24	26-26
		Adjacent Zone (AZ) Δ10°	12-12	16-16	19-19	22-22	25-25	27-27	30-30

PERFORMANCE NOTES

- The adjacent zone (AZ) is the discharge isovel at 1" above the floor where the terminal velocity is 50 fpm
- Adjacent zone dimensions were obtained from tests conducted in accordance with Nordtest method of aerodynamic testing and rating of low velocity
- Sound and pressure data were obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- ΔT is the "under temperature" which is the difference between room air temperature at 3-½ ft above the floor and the supply air temperature
- Throw values shown are distances in feet for temperature differentials of 5°F ΔT and 10°F ΔT cooling at 50 fpm terminal velocity. The first listed throw value corresponds to the length and the second throw value to the width (see diagram at bottom of page).
- NC values based on octave band 2 to 7 sound power levels minus a room absorption of 10 dB
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10<sup>-12</sup> watts
- Dash (-) in space denotes an NC value of less than 10
- All pressures are given in inches of water

