

DVVC

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
11" x 25"	6" Dia.	Airflow, cfm	38	56	75	94	113	132	151
		Total Pressure	0.004	0.008	0.015	0.023	0.033	0.045	0.059
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) Δ5°	2-3	3-4	4-5	5-6	6-7	7-8	7-9
		Adjacent Zone (AZ) Δ10°	2-3	3-4	4-5	5-7	6-8	7-9	8-10
15" x 37"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.009	0.016	0.025	0.035	0.048	0.063
		NC (Noise Criteria)	-	-	-	-	-	12	17
		Adjacent Zone (AZ) Δ5°	5-6	7-8	8-10	10-12	12-14	13-16	15-18
		Adjacent Zone (AZ) Δ10°	5-6	7-8	9-11	10-13	12-15	14-17	15-19
18" x 60"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.004	0.008	0.014	0.022	0.032	0.043	0.056
		NC (Noise Criteria)	-	-	-	-	-	12	16
		Adjacent Zone (AZ) Δ5°	6-7	8-10	10-13	12-15	14-18	16-20	18-22
		Adjacent Zone (AZ) Δ10°	6-7	8-10	11-13	13-16	15-18	17-21	19-23
21" x 79"	16" Dia.	Airflow, cfm	275	412	550	687	825	962	1100
		Total Pressure	0.004	0.008	0.015	0.024	0.034	0.046	0.060
		NC (Noise Criteria)	-	-	-	-	11	17	21
		Adjacent Zone (AZ) Δ5°	8-10	12-14	15-18	18-22	20-26	23-29	26-33
		Adjacent Zone (AZ) Δ10°	9-10	12-15	15-19	18-23	21-27	24-30	27-34
24" x 24"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.009	0.016	0.025	0.037	0.050	0.065
		NC (Noise Criteria)	-	-	-	-	-	13	18
		Adjacent Zone (AZ) Δ5°	3-4	5-6	6-7	7-9	8-10	10-12	11-13
		Adjacent Zone (AZ) Δ10°	4-4	5-6	6-8	8-9	9-11	10-12	11-14
24" x 36"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.004	0.009	0.015	0.024	0.035	0.047	0.062
		NC (Noise Criteria)	-	-	-	-	-	14	19
		Adjacent Zone (AZ) Δ5°	5-6	6-8	8-10	10-12	11-14	13-16	15-18
		Adjacent Zone (AZ) Δ10°	5-6	7-8	9-10	10-13	12-15	14-17	15-19
24" x 48"	14" Dia.	Airflow, cfm	210	315	420	525	630	735	840
		Total Pressure	0.004	0.009	0.015	0.024	0.035	0.047	0.062
		NC (Noise Criteria)	-	-	-	-	10	16	20
		Adjacent Zone (AZ) Δ5°	6-7	8-10	11-13	13-16	15-18	17-21	19-23
		Adjacent Zone (AZ) Δ10°	6-8	9-11	11-13	13-16	15-19	18-22	20-24
30" x 24"	14" Dia.	Airflow, cfm	210	315	420	525	630	735	840
		Total Pressure	0.005	0.012	0.021	0.034	0.048	0.066	0.086
		NC (Noise Criteria)	-	-	-	-	15	20	25
		Adjacent Zone (AZ) Δ5°	5-6	7-9	9-11	11-13	13-16	15-18	16-20
		Adjacent Zone (AZ) Δ10°	5-6	8-9	10-12	12-14	13-16	15-19	17-21



DWVC (continued)

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
30" x 36"	16" Dia.	Airflow, cfm	275	412	550	687	825	962	1100
		Total Pressure	0.005	0.010	0.018	0.029	0.041	0.056	0.073
		NC (Noise Criteria)	-	-	-	-	14	20	24
		Adjacent Zone (AZ) $\Delta 5^\circ$	6-8	9-11	12-14	14-17	16-20	18-23	20-25
		Adjacent Zone (AZ) $\Delta 10^\circ$	7-8	9-11	12-15	14-18	17-21	19-23	21-26
30" x 48"	16" Dia.	Airflow, cfm	275	412	550	687	825	962	1100
		Total Pressure	0.004	0.009	0.015	0.024	0.034	0.047	0.061
		NC (Noise Criteria)	-	-	-	-	11	17	21
		Adjacent Zone (AZ) $\Delta 5^\circ$	6-8	9-11	12-14	14-17	16-20	18-23	20-25
		Adjacent Zone (AZ) $\Delta 10^\circ$	7-8	9-11	12-15	14-18	17-21	19-23	21-26

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 3-1/2 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 10⁻¹² watts
- Dash (-) in space denotes an NC value of less than 10
- All pressures are given in inches of water

