

DVC1

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
24" x 24"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.004	0.010	0.018	0.027	0.040	0.054	0.070
		NC (Noise Criteria)	-	-	-	-	-	12	16
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-4	4-5	6-7	7-8	8-10	9-11	10-12
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	5-6	6-7	7-9	8-10	9-12	11-13
24" x 36"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.004	0.008	0.014	0.022	0.032	0.043	0.056
		NC (Noise Criteria)	-	-	-	-	-	-	12
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-4	4-5	6-7	7-8	8-10	9-11	10-12
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	5-6	6-7	7-9	8-10	9-12	11-13
24" x 48"	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) $\Delta 5^\circ$	3-4	4-5	6-7	7-8	8-10	9-11	10-12
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	5-6	6-7	7-9	8-10	9-12	11-13
24" x 60"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.003	0.007	0.013	0.020	0.028	0.039	0.050
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-4	4-5	6-7	7-8	8-10	9-11	10-12
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	5-6	6-7	7-9	8-10	9-12	11-13
24" x 72"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.003	0.007	0.012	0.019	0.028	0.038	0.049
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-4	4-5	6-7	7-8	8-10	9-11	10-12
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	5-6	6-7	7-9	8-10	9-12	11-13
30" x 24"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.004	0.009	0.016	0.025	0.036	0.049	0.063
		NC (Noise Criteria)	-	-	-	-	-	10	15
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-3	4-5	5-6	6-7	7-9	8-10	9-11
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	4-5	5-6	6-8	7-9	8-10	9-11
30" x 36"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.003	0.008	0.013	0.021	0.030	0.041	0.054
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-3	4-5	5-6	6-7	7-9	8-10	9-11
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	4-5	5-6	6-8	7-9	8-10	9-11
30" x 48"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.039	0.051
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) $\Delta 5^\circ$	3-3	4-5	5-6	6-7	7-9	8-10	9-11
		Adjacent Zone (AZ) $\Delta 10^\circ$	3-4	4-5	5-6	6-8	7-9	8-10	9-11
30" x 60"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.040	0.052
		NC (Noise Criteria)	-	-	-	-	-	-	12
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-5	6-7	7-9	9-11	10-12	11-14	13-16
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-5	6-7	8-9	9-11	11-13	12-15	13-17



DVC1 (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 72"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.039	0.051
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-5	6-7	7-9	9-11	10-12	11-14	13-16
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-5	6-7	8-9	9-11	11-13	12-15	13-17
36" x 24"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.010	0.017	0.027	0.039	0.053	0.070
		NC (Noise Criteria)	-	-	-	-	-	14	19
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-4	5-6	6-8	8-10	9-11	10-13	11-14
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-5	5-6	7-8	8-10	9-12	11-13	12-15
36" x 36"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.003	0.008	0.014	0.022	0.032	0.043	0.056
		NC (Noise Criteria)	-	-	-	-	-	10	14
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-4	5-6	6-8	8-10	9-11	10-13	11-14
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-5	5-6	7-8	8-10	9-12	11-13	12-15
36" x 48"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.040	0.052
		NC (Noise Criteria)	-	-	-	-	-	-	11
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-4	5-6	6-8	8-10	9-11	10-13	11-14
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-5	5-6	7-8	8-10	9-12	11-13	12-15
36" x 60"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.003	0.007	0.013	0.021	0.030	0.041	0.053
		NC (Noise Criteria)	-	-	-	-	-	10	14
		Adjacent Zone (AZ) $\Delta 5^\circ$	5-6	7-8	9-11	11-13	12-15	14-17	16-19
		Adjacent Zone (AZ) $\Delta 10^\circ$	5-6	7-9	9-11	11-14	13-16	15-18	16-20
36" x 72"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.039	0.051
		NC (Noise Criteria)	-	-	-	-	-	-	13
		Adjacent Zone (AZ) $\Delta 5^\circ$	5-6	7-8	9-11	11-13	12-15	14-17	16-19
		Adjacent Zone (AZ) $\Delta 10^\circ$	5-6	7-9	9-11	11-14	13-16	15-18	16-20

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

