

DVR3

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	0.005	0.011	0.020	0.032	0.046	0.063	0.082
		NC (Noise Criteria)	-	-	-	-	-	-	11
		Adjacent Zone (AZ) Δ5°	2-6	3-7	4-9	5-11	6-12	6-14	7-15
		Adjacent Zone (AZ) Δ10°	2-6	3-8	4-10	5-12	6-14	7-15	8-17
24" x 48"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.008	0.015	0.023	0.033	0.045	0.059
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) Δ5°	3-8	4-10	6-13	7-15	8-17	9-19	10-21
		Adjacent Zone (AZ) Δ10°	3-8	5-11	6-14	7-16	8-19	9-21	11-23
24" x 60"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.003	0.007	0.013	0.020	0.028	0.039	0.050
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) Δ5°	3-8	4-10	6-13	7-15	8-17	9-19	10-21
		Adjacent Zone (AZ) Δ10°	3-8	5-11	6-14	7-16	8-19	9-21	11-23
48" x 24"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.005	0.010	0.018	0.028	0.041	0.056	0.073
		NC (Noise Criteria)	-	-	-	-	-	-	11
		Adjacent Zone (AZ) Δ5°	2-7	3-9	4-11	5-13	6-15	7-16	8-18
		Adjacent Zone (AZ) Δ10°	3-7	4-10	5-12	6-14	6-16	7-18	8-20
60" x 24"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.009	0.016	0.025	0.036	0.049	0.064
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) Δ5°	2-6	3-8	4-10	5-12	5-14	6-16	7-17
		Adjacent Zone (AZ) Δ10°	2-7	3-9	4-11	5-13	6-15	7-17	7-19
36" x 48"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.004	0.008	0.014	0.023	0.032	0.044	0.058
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) Δ5°	3-9	5-12	6-15	7-17	9-20	10-22	11-25
		Adjacent Zone (AZ) Δ10°	4-10	5-13	7-16	8-19	9-22	11-25	12-27
36" x 60"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.003	0.007	0.012	0.019	0.028	0.038	0.049
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) Δ5°	3-9	5-12	6-15	7-17	9-20	10-22	11-25
		Adjacent Zone (AZ) Δ10°	4-10	5-13	7-16	8-19	9-22	11-25	12-27
48" x 36"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.004	0.008	0.015	0.023	0.033	0.045	0.059
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) Δ5°	3-8	4-11	6-14	7-17	8-19	9-21	10-23
		Adjacent Zone (AZ) Δ10°	3-9	5-13	6-15	7-18	8-21	10-23	11-26
60" x 36"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.006	0.013	0.024	0.037	0.053	0.073	0.095
		NC (Noise Criteria)	-	-	-	-	-	12	16
		Adjacent Zone (AZ) Δ5°	3-8	4-11	5-13	6-16	7-18	8-20	9-22
		Adjacent Zone (AZ) Δ10°	3-9	4-12	5-15	7-17	8-20	9-22	10-24



DVR3 (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
24" x 24"	16" x 6"	Airflow, cfm	130	194	259	324	389	453	518
		Total Pressure	0.013	0.029	0.051	0.080	0.115	0.156	0.204
		NC (Noise Criteria)	-	-	-	-	13	18	22
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-9	5-12	7-15	8-18	10-20	11-23	12-25
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-10	6-13	7-16	9-19	10-22	12-25	13-27
24" x 48"	16" x 8"	Airflow, cfm	174	260	347	434	521	608	695
		Total Pressure	0.006	0.014	0.025	0.038	0.055	0.075	0.098
		NC (Noise Criteria)	-	-	-	-	-	13	17
		Adjacent Zone (AZ) $\Delta 5^\circ$	5-11	7-15	8-18	10-21	12-24	13-27	15-30
		Adjacent Zone (AZ) $\Delta 10^\circ$	5-12	7-16	9-20	11-23	13-27	14-30	16-33
24" x 60"	18" x 8"	Airflow, cfm	196	293	391	489	587	684	782
		Total Pressure	0.005	0.012	0.021	0.033	0.048	0.065	0.085
		NC (Noise Criteria)	-	-	-	-	-	12	16
		Adjacent Zone (AZ) $\Delta 5^\circ$	5-12	7-16	9-20	11-23	13-26	15-30	17-33
		Adjacent Zone (AZ) $\Delta 10^\circ$	5-13	8-18	10-22	12-26	14-29	16-33	18-36
48" x 24"	16" x 8"	Airflow, cfm	174	260	347	434	521	608	695
		Total Pressure	0.008	0.019	0.034	0.052	0.076	0.103	0.135
		NC (Noise Criteria)	-	-	-	-	11	16	20
		Adjacent Zone (AZ) $\Delta 5^\circ$	4-9	5-13	6-16	8-18	9-21	10-24	12-26
		Adjacent Zone (AZ) $\Delta 10^\circ$	4-10	5-14	7-17	8-20	10-23	11-26	12-29

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
- $\Delta T$  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  $\Delta T$  and 10°F  $\Delta T$  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

