

DVHC

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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)	-	-	-	-	-	-	11
		Adjacent Zone (AZ) Δ5°	3-8	3-10	4-12	4-13	5-15	5-16	5-18
		Adjacent Zone (AZ) Δ10°	4-9	4-11	5-13	5-15	6-17	6-19	6-21
13" x 37"	8" Dia.	Airflow, cfm	68	101	135	169	203	237	271
		Total Pressure	0.004	0.008	0.015	0.023	0.033	0.045	0.059
		NC (Noise Criteria)	-	-	-	-	-	10	14
		Adjacent Zone (AZ) Δ5°	4-11	5-14	5-17	6-19	6-21	7-23	7-25
		Adjacent Zone (AZ) Δ10°	5-13	6-16	7-19	7-22	8-25	8-27	9-29
15" x 37"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.009	0.015	0.024	0.035	0.047	0.062
		NC (Noise Criteria)	-	-	-	-	-	13	17
		Adjacent Zone (AZ) Δ5°	5-14	6-18	7-22	8-25	8-28	9-31	9-33
		Adjacent Zone (AZ) Δ10°	7-17	8-21	9-26	9-29	10-33	11-36	11-39
18" x 60"	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	0.058
		NC (Noise Criteria)	-	-	-	-	-	13	17
		Adjacent Zone (AZ) Δ5°	7-18	8-23	9-27	10-31	10-35	11-38	11-42
		Adjacent Zone (AZ) Δ10°	8-21	10-27	11-32	12-37	13-41	14-45	14-49
24" x 24"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.004	0.009	0.016	0.025	0.036	0.049	0.064
		NC (Noise Criteria)	-	-	-	-	10	15	19
		Adjacent Zone (AZ) Δ5°	8-18	9-23	10-27	11-31	12-35	13-39	14-42
		Adjacent Zone (AZ) Δ10°	10-21	12-27	13-32	14-37	15-41	16-45	17-49
24" x 36"	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)	-	-	-	-	11	16	20
		Adjacent Zone (AZ) Δ5°	9-22	11-28	12-33	13-38	14-42	15-47	16-50
		Adjacent Zone (AZ) Δ10°	11-25	13-33	15-39	16-44	17-50	18-54	19-59
24" x 48"	16" Dia.	Airflow, cfm	275	412	550	687	825	962	1100
		Total Pressure	0.004	0.009	0.015	0.024	0.035	0.047	0.061
		NC (Noise Criteria)	-	-	-	-	12	17	21
		Adjacent Zone (AZ) Δ5°	10-26	12-33	13-39	14-45	15-50	16-55	17-59
		Adjacent Zone (AZ) Δ10°	13-30	15-38	16-46	18-52	19-58	21-64	22-70

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PERFORMANCE DATA

DVHC (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
36" x 24"	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	0.061
		NC (Noise Criteria)	-	-	-	-	11	16	20
		Adjacent Zone (AZ) $\Delta 5^\circ$	11-22	13-28	15-33	16-38	17-43	19-47	20-51
		Adjacent Zone (AZ) $\Delta 10^\circ$	14-26	17-33	19-39	20-45	22-50	23-55	25-59
36" x 36"	16" Dia.	Airflow, cfm	275	412	550	687	825	962	1100
		Total Pressure	0.004	0.008	0.015	0.023	0.034	0.046	0.060
		NC (Noise Criteria)	-	-	-	-	11	16	20
		Adjacent Zone (AZ) $\Delta 5^\circ$	13-26	15-33	17-39	18-45	19-50	21-55	22-60
		Adjacent Zone (AZ) $\Delta 10^\circ$	16-30	19-38	21-46	23-53	24-59	26-64	27-70

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

