

DV180

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
18" x 24"	6" Dia.	Airflow, cfm	38	56	75	94	113	132	151
		Total Pressure	0.003	0.007	0.013	0.020	0.029	0.040	0.052
		NC (Noise Criteria)	-	-	-	-	-	-	-
		Adjacent Zone (AZ) Δ5°	2-4	3-6	3-6	4-8	4-8	4-8	5-10
		Adjacent Zone (AZ) Δ10°	2-4	3-6	4-8	4-8	5-10	5-10	6-12
24" x 24"	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	0.057
		NC (Noise Criteria)	-	-	-	-	-	-	10
		Adjacent Zone (AZ) Δ5°	3-6	4-8	4-8	5-10	6-12	6-12	7-14
		Adjacent Zone (AZ) Δ10°	3-6	4-8	5-10	6-12	7-14	7-14	8-16
24" x 36"	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) Δ5°	3-6	4-8	4-8	5-10	6-12	6-12	7-14
		Adjacent Zone (AZ) Δ10°	3-6	4-8	5-10	6-12	7-14	7-14	8-16
24" 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)	-	-	-	-	-	-	12
		Adjacent Zone (AZ) Δ5°	4-8	5-10	6-12	7-14	8-16	8-16	9-18
		Adjacent Zone (AZ) Δ10°	4-8	6-12	7-14	8-16	9-18	10-20	10-20
30" x 24"	10" Dia.	Airflow, cfm	106	160	213	266	319	372	425
		Total Pressure	0.004	0.009	0.016	0.024	0.035	0.048	0.062
		NC (Noise Criteria)	-	-	-	-	-	-	14
		Adjacent Zone (AZ) Δ5°	4-8	5-10	6-12	7-14	8-16	8-16	9-18
		Adjacent Zone (AZ) Δ10°	4-8	6-12	7-14	8-16	9-18	9-18	10-20
30" x 36"	10" Dia.	Airflow, cfm	160	213	266	319	425	532	638
		Total Pressure	0.007	0.013	0.021	0.030	0.053	0.082	0.119
		NC (Noise Criteria)	-	-	-	-	13	21	27
		Adjacent Zone (AZ) Δ5°	5-10	6-12	7-14	8-16	9-18	10-20	12-24
		Adjacent Zone (AZ) Δ10°	6-12	7-14	8-16	9-18	10-20	12-24	13-26
30" x 48"	12" Dia.	Airflow, cfm	154	231	308	385	461	538	615
		Total Pressure	0.003	0.008	0.013	0.021	0.030	0.041	0.053
		NC (Noise Criteria)	-	-	-	-	-	11	15
		Adjacent Zone (AZ) Δ5°	5-10	6-12	7-14	8-16	10-20	10-20	11-22
		Adjacent Zone (AZ) Δ10°	5-10	7-14	8-16	10-20	11-22	12-24	13-26
30" x 60"	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)	-	-	-	-	-	10	15
		Adjacent Zone (AZ) Δ5°	5-10	6-12	7-14	8-16	10-20	10-20	11-22
		Adjacent Zone (AZ) Δ10°	5-10	7-14	8-16	10-20	11-22	12-24	13-26



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

