

### Variable Slot Diffuser (X)

MODEL	Duct Velocity Velocity Pressure	400 0.01	600 0.022	800 0.04	1000 0.062	1200 0.089	1400 0.122
<b>VSDX-06</b>	CFM	78	118	157	196	235	274
	Total Pressure	0.014	0.031	0.058	0.09	0.128	0.175
	NC	<15	<15	<15	<15	17	22
	Radius of Diffusion	0-1-2	1-2-4	2-3-7	3-4-8	4-6-9	4-7-10
<b>VSDX-08</b>	CFM	140	210	280	350	420	490
	Total Pressure	0.022	0.048	0.088	0.134	0.193	0.264
	NC	<15	<15	19	25	30	34
	Radius of Diffusion	1-2-4	2-3-7	3-4-9	4-6-11	5-8-12	6-10-14
<b>VSDX-10</b>	CFM	218	327	436	545	654	763
	Total Pressure	0.035	0.076	0.136	0.212	0.304	0.412
	NC	<15	21	29	34	39	44
	Radius of Diffusion	2-3-7	3-5-10	5-7-12	6-9-14	7-11-16	8-13-18
<b>VSDX-12</b>	CFM	314	471	628	785	942	1099
	Total Pressure	0.054	0.118	0.215	0.322	0.459	0.664
	NC	<15	28	36	41	46	50
	Radius of Diffusion	3-5-10	5-8-13	7-10-15	8-12-17	9-13-19	11-15-23

Performance data based on ASHRAE 70-91

**RADIUS OF DIFFUSION:**  
Horizontal distance (THROW) in feet from the Diffuser at which the maximum velocity has been reduced to specified terminal velocity (Vt).

**TERMINAL VELOCITY:** Maximum velocity (Vt) in feet per minute at the specified distance from the outlet face (THROW) 150 fpm, 100 fpm and 50 fpm respectively.

**AIRFLOW CFM:** Standard air density and isothermal conditions.

**TOTAL PRESSURE:** Inches of water gauge required.

**NOISE CRITERIA:** Noise criteria (NC) curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.