

### Variable Slot Diffuser (R)

MODEL	Duct Velocity Velocity Pressure	400 0.01	600 0.022	800 0.04	1000 0.062	1200 0.089	1400 0.122
<b>VSDR-06</b>	CFM	78	118	157	196	235	274
	Total Pressure	0.014	0.03	0.057	0.09	0.122	0.171
	NC	<15	<15	<15	<15	18	23
	Radius of Diffusion	0-1-2	1-2-4	2-3-7	3-4-8	4-6-9	4-7-10
<b>VSDR-08</b>	CFM	140	210	280	350	420	490
	Total Pressure	0.022	0.049	0.088	0.136	0.197	0.267
	NC	<15	<15	20	27	32	37
	Radius of Diffusion	1-2-4	2-3-7	3-4-9	4-6-11	5-8-12	6-10-14
<b>VSDR-10</b>	CFM	218	327	436	545	654	763
	Total Pressure	0.034	0.081	0.144	0.227	0.324	0.433
	NC	<15	21	30	37	43	48
	Radius of Diffusion	2-3-7	3-5-10	5-7-12	6-9-14	7-11-16	8-13-18
<b>VSDR-12</b>	CFM	314	471	628	785	942	1099
	Total Pressure	0.06	0.132	0.255	0.367	0.529	0.772
	NC	16	28	37	44	50	54
	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.