

### Round Single Deflection 3” Wide

MODEL	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
<b>RSDX-16</b>	CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.011	0.023	0.041	0.065	0.092	0.125	0.163
	NC	<15	<15	<15	17	23	29	33
	Projection	10-20-40	15-30-53	22-44-65	28-50-72	34-54-80	40-60-85	45-64-90
<b>RSDX-18</b>	CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.010	0.023	0.039	0.062	0.089	0.122	0.158
	NC	<15	<15	<15	18	24	30	34
	Projection	11-22-44	18-36-61	25-50-72	31-57-80	40-63-89	45-67-95	50-71-101
<b>RSDX-20</b>	CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.010	0.022	0.038	0.060	0.086	0.117	0.151
	NC	<15	<15	<15	18	24	30	34
	Projection	12-24-49	20-40-68	27-53-80	35-63-89	44-68-99	51-74-105	56-78-112
<b>RSDX-22</b>	CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.009	0.021	0.037	0.058	0.083	0.114	0.148
	NC	<15	<15	<15	19	25	31	35
	Projection	13-27-54	22-44-74	30-57-85	37-68-98	47-76-110	57-85-120	60-87-123
<b>RSDX-24</b>	CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.009	0.021	0.036	0.058	0.082	0.111	0.145
	NC	<15	<15	<15	20	27	32	36
	Projection	14-29-60	24-48-81	33-66-95	41-75-106	50-84-116	58-88-124	66-95-130
<b>RSDX-30</b>	CFM	1960	2940	3920	4900	5880	6860	7840
	Static Pressure	0.009	0.022	0.037	0.064	0.091	0.119	0.147
	NC	<15	<15	<15	20	26	31	36
	Projection	17-34-69	30-60-102	41-82-123	50-90-129	60-101-141	69-107-150	78-116-157

Performance data based on ASHRAE 70-91

**Projection:** Projection distance [THROW] in feet from the Nozzle discharge 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] 200 fpm, 100fpm and 50 fpm respectively.

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

**Static 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.

#### performance values for various deflection angles

Deflection Angle	0°	10°	20°	30°	40°
Static Pressure [times]	1.0	1.2	1.4	1.9	2.4
Throw-Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria – NC [add]	+0	+3	+7	+11	+16