

Performance Data

RD Series Performance Data

Duct Size	Neck Velocity (FPM)	400	600	800	1000	1200	1400
	Velocity Pressure	0.010	0.022	0.040	0.062	0.090	0.122
	Total Pressure	0.029	0.065	0.116	0.180	0.260	0.354
	Static Pressure	0.019	0.043	0.076	0.118	0.170	0.232
6"	CFM	80	120	160	200	235	275
	NC	-	-	19	26	32	37
	Throw	2 2 4	2 4 7	3 5 8	4 6 9	5 7 10	6 7 11
8"	CFM	140	210	280	350	420	490
	NC	-	12	21	28	34	39
	Throw	2 3 7	3 5 9	4 7 14	5 8 12	7 9 13	8 10 14
10"	CFM	218	327	436	545	654	763
	NC	-	14	23	30	36	41
	Throw	3 4 8	4 6 12	5 8 13	7 10 15	8 12 16	10 12 10
12"	CFM	314	470	630	785	940	1100
	NC	-	16	25	32	38	43
	Throw	3 5 10	5 7 14	7 10 16	8 12 18	10 14 20	11 15 21
14"	CFM	425	635	850	1060	1270	1490
	NC	-	17	26	33	39	44
	Throw	4 6 10	6 8 16	8 11 19	9 14 21	11 16 23	13 17 25
16"	CFM	560	840	1120	1400	1680	1960
	NC	-	18	27	34	40	45
	Throw	4 7 13	7 10 18	9 13 21	11 16 24	13 18 26	15 20 28
18"	CFM	710	1060	1420	1770	2120	2480
	NC	-	19	28	35	41	46
	Throw	5 7 15	7 11 21	10 15 24	12 18 27	15 21 29	17 22 32
20"	CFM	875	1310	1750	2190	2610	3060
	NC	-	20	29	36	42	47
	Throw	5 8 16	8 12 23	11 16 27	14 20 30	16 23 33	19 25 34
24"	CFM	1260	1880	2510	3140	3770	4400
	NC	-	22	31	38	43	49
	Throw	7 10 20	10 15 28	13 20 32	16 24 36	20 28 39	23 30 42

Performance Notes:

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM.
- 2) Throw data is based on supply air and room air both at isothermal conditions.
- 3) Throw data provided in up position.
- 4) If the diffuser is mounted on an exposed duct, the throw values are 70% of those listed in the table and will project downward.