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 calues are 70% of those listed in the table and will project downward.