

Performance Data



RDA Series Performance Data

Duct Size	Neck Velocity (FPM)	400	600	800	1000	1200	1400	1600
	Velocity Pressure	0.010	0.022	0.040	0.062	0.090	0.122	0.160
6"	CFM	79	119	158	198	238	277	317
	Total Pressure	0.025	0.055	0.098	0.151	0.217	0.295	0.384
	Static Pressure	0.015	0.033	0.058	0.089	0.127	0.173	0.224
	NC	-	-	20	26	32	36	38
	Throw	1 3 7	3 5 8	5 7 10	7 9 12	8 10 13	9 11 14	10 12 16
8"	CFM	141	211	282	352	422	493	563
	Total Pressure	0.025	0.056	0.101	0.156	0.223	0.304	0.396
	Static Pressure	0.015	0.034	0.061	0.094	0.133	0.182	0.236
	NC	-	-	20	27	33	38	39
	Throw	2 5 10	4 6 11	6 8 13	8 10 15	10 12 16	11 13 18	12 15 20
10"	CFM	220	330	440	550	660	770	880
	Total Pressure	0.027	0.059	0.105	0.163	0.234	0.318	0.414
	Static Pressure	0.017	0.037	0.065	0.101	0.144	0.196	0.254
	NC	-	15	20	27	33	38	40
	Throw	3 6 12	5 8 14	7 10 16	9 11 18	11 13 20	12 15 23	14 18 24
12"	CFM	315	470	630	785	940	1100	1255
	Total Pressure	0.028	0.062	0.111	0.172	0.246	0.335	0.436
	Static Pressure	0.018	0.040	0.071	0.110	0.156	0.213	0.276
	NC	-	15	21	28	34	39	42
	Throw	4 7 14	7 10 17	9 14 20	11 16 22	13 17 25	15 19 27	16 20 28
14"	CFM	432	648	864	1080	1296	1512	1728
	Total Pressure	0.03	0.067	0.12	0.186	0.267	0.364	0.474
	Static Pressure	0.02	0.045	0.08	0.124	0.177	0.242	0.314
	NC	-	17	25	31	37	42	46
	Throw	4 8 15	8 11 19	10 15 22	12 17 24	14 19 27	16 21 29	18 22 30
16"	CFM	564	846	1128	1410	1692	1974	2256
	Total Pressure	0.032	0.071	0.127	0.197	0.285	0.388	0.506
	Static Pressure	0.022	0.049	0.087	0.135	0.195	0.266	0.346
	NC	-	19	29	35	39	45	50
	Throw	5 9 16	9 13 20	11 16 24	14 18 27	16 20 29	18 22 31	20 24 33
18"	CFM	705	1060	1415	1765	2120	2475	2825
	Total Pressure	0.036	0.081	0.146	0.228	0.331	0.451	0.589
	Static Pressure	0.026	0.059	0.106	0.166	0.241	0.329	0.429
	NC	-	21	32	38	44	48	54
	Throw	6 10 18	10 15 22	13 18 26	16 20 29	18 22 31	20 24 34	21 26 36
20"	CFM	880	1320	1760	2200	2640	3080	3520
	Total Pressure	0.04	0.09	0.162	0.252	0.366	0.499	0.652
	Static Pressure	0.03	0.068	0.122	0.19	0.276	0.377	0.492
	NC	15	21	34	40	45	50	56
	Throw	9 14 22	14 19 27	16 20 29	19 23 32	20 24 34	22 28 38	24 30 41
24"	CFM	1268	1902	2536	3170	3804	4438	5072
	Total Pressure	0.043	0.096	0.173	0.271	0.393	0.536	0.699
	Static Pressure	0.033	0.074	0.133	0.209	0.303	0.414	0.539
	NC	15	22	36	41	46	51	58
	Throw	13 18 26	18 22 31	20 24 34	22 28 38	24 30 41	25 33 45	29 37 50

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 fully closed position.
- 4) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air.