MODELS: R-301F / R-300F

Nominal Duct Size	Nom. Duct Area (ft^2)	Duct Velocity, fpm	300	400	500	600	700	800	900	1000	1100	1200	1300
		Velocity Pressure, IN WG	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075	0.090	0.105
6 Ak=.125	0.169	Air Flow, cfm	38	50	63	75	88	100	113	125	138	150	163
		Total Pressure, IN WG	0.004	0.007	0.011	0.016	0.021	0.028	0.035	0.044	0.053	0.063	0.074
		NC (Noise Criteria)	-	-	-	-	-	-	-	-	-	-	-
		Throw, FT	3-4-8	4-6-12	5-7-14	6-9-17	6-10-19	7-11-21	8-13-25	20-28-40	10-15 -30	11-17-34	13-19-38
8 Ak=.312	0.349	Air Flow, cfm	69	92	115	138	161	184	206	229	252	275	298
		Total Pressure, IN WG	0.004	0.007	0.011	0.015	0.021	0.027	0.035	0.043	0.052	0.062	0.072
		NC (Noise Criteria)	-	-	-	-	-	-	-	-	-	-	-
		Throw, FT	3-5-10	4-7-13	5-8-16	6-10-19	7-11-22	8-13-25	10-15-29	10-16-31	12-18-35	13-19-38	14-21-41
10 Ak=.499	0.545	Air Flow, cfm	110	147	183	220	257	293	330	367	403	440	477
		Total Pressure, IN WG	0.004	0.007	0.010	0.015	0.021	0.027	0.034	0.042	0.051	0.060	0.071
		NC (Noise Criteria)	-	-	-	-	-	-	-	-	-	-	-
		Throw, FT	3-5-10	5-7-14	6-9-17	7-11-21	8-12-24	10-15-29	11-16-32	12-18-36	13-20-39	14-22-43	15-23-46
12 Ak=.730	0.785	Air Flow, cfm	161	215	269	323	376	430	484	538	592	645	699
		Total Pressure, IN WG	0.004	0.007	0.010	0.015	0.020	0.026	0.033	0.041	0.049	0.059	0.069
		NC (Noise Criteria)	-	-	-	-	-	-	-	-	-	-	21
		Throw, FT	4-6-12	5-8-16	7-10-20	8-12-24	9-14-28	10-16-31	12-18-36	13-20-39	15-22-44	16-24-47	17-26-51
14 Ak=1.00	1.069	Air Flow, cfm	223	297	372	446	520	595	669	743	818	892	966
		Total Pressure, IN WG	0.004	0.006	0.010	0.014	0.019	0.025	0.032	0.039	0.047	0.056	0.066
		NC (Noise Criteria)	-	-	-	-	-	-	-	-	-	22	25
		Throw, FT	4-6-12	6-9-17	7-11-21	8-13-25	10-15-29	11-17-33	13-19-38	14-21-42	15-23-45	17-25-50	18-27-54
16 Ak=1.323	1.396	Air Flow, cfm	295	394	492	590	689	787	886	984	1082	1181	1279
		Total Pressure, IN WG	0.003	0.006	0.009	0.014	0.018	0.024	0.030	0.038	0.045	0.054	0.063
		NC (Noise Criteria)	-	-	-	-	-	-	-	-	22	25	28
		Throw, FT	4-7-13	6-9-17	7-11-22	9-13-26	10-15-30	12-18-35	13-20-39	15-22-44	16-24-48	17-26-52	19-29-57
18 Ak=1.685	1.767	Air Flow, cfm	378	504	630	756	882	1008	1134	1260	1386	1512	1638
		Total Pressure, IN WG	0.003	0.006	0.009	0.013	0.018	0.023	0.029	0.036	0.043	0.051	0.060
		NC (Noise Criteria)	-	-	-	-	-	-	-	22	26	29	32
		Throw, FT	5-7-14	6-9-18	8-12-23	9-14-28	11-16-32	12-19-37	14-21-41	15-23-45	17-26-51	18-28-55	20-30-59
20 Ak=1.572	2.182	Air Flow, cfm	472	629	786	943	1101	1258	1415	1572	1730	1887	2044
		Total Pressure, IN WG	0.003	0.005	0.008	0.012	0.016	0.021	0.027	0.033	0.040	0.048	0.057
		NC (Noise Criteria)	-	-	-	-	-	-	21	25	28	31	34
			5-8-15	6-10-19	8-12-24	10-15-30	11-17-34	13-19-38	14-22-43	16-24-47	18-27-53	19-29-58	21-31-62

- Throw values given are for terminal velocities of 150, 100 and 50 fpm and for isothermal conditions. Data is for double deflection model set at bi-directional spread pattern of 22°. See the section, Engineering Guidelines for additional throw information.
- The throw values listed are without ceiling effect. For throw values with ceiling effect apply a correction factor of 1.4.
- All pressures given are in inches of water
- Velocity pressure is based on inlet duct area and velocity
- To obtain static pressure, subtract the velocity pressure from the total pressure
- Noise criteria (NC) is based on an absorption in the room of 10 db 10^{-12} watts evaluated in octaves in range from 125 to 4000 Hz. Dash (-) in space denotes an NC value of less than 20.
- Data was obtained by tests conducted in accordance with standard ANSI/ASHRAE 70-2006 under isothermal conditions. Actual performance with flexible duct may vary. See the section, Engineering Guidelines for additional information.