

Performance Data



933 Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	300 0.004	400 0.008	500 0.013	600 0.018	700 0.025	800 0.033	1000 0.051	1200 0.074	1400 0.1
6x4	0.111	CFM	33	44	55	66	77	89	111	133	155
		NC	<20	<20	<20	20	25	30	35	40	40
		Throw (ft.)	4 4.5 5.5	5 6 8	6 7 9	7 8 12	8 9 12	11 12 14	11 13 19	12 14 22	16 18 24
10x4	0.191	CFM	57	76	95	115	134	153	191	229	267
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 5.5 6.5	6 7 9	8 9 11	9 10 14	11 12 16	12 13.5 18	14 16 24	16 18 28	19 22 32
8x6 12x4	0.237	CFM	71	95	118	142	166	189	237	284	331
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 5.5 6.5	6 7 9	8 9 11	9 10 14	11 12 16	12 13.5 18	14 16 24	16 18 28	19 22 32
14x4	0.271	CFM	81	108	136	163	190	217	271	325	380
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 6.5 7.5	7 8 10	10 11 13	11 12 16	13 14.5 20	14 16 22	16 19 29	19 22 34	22 26 40
10x6 16x4	0.311	CFM	93	125	156	187	218	249	311	374	436
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 6.5 7.5	7 8 10	10 11 13	11 12 16	13 14.5 20	14 16 22	16 19 29	19 22 34	22 26 40
12x6 18x4	0.362	CFM	109	145	181	217	254	290	362	435	507
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	6 7 8	8 9 11	10 11.5 14	12 13 18	14 16 21	16 18 24	18 21 32	22 26 38	25 30 44
10x8 14x6	0.425	CFM	128	170	213	255	298	340	425	510	595
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	6 7.5 9	9 10 12	11 12 14.5	12 13.5 19	14 16 22	17 19 25	19 22 33	22 26 39	25 30 45
12x8 16x6	0.494	CFM	148	198	247	296	346	395	494	593	691
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	9 10 12	11 12.5 16	13 14.5 20	15 17 23	17 20 26	19 22 34	23 27 40	26 31 46
10x10 18x6	0.517	CFM	155	207	258	310	362	413	517	620	723
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	9 10 12	11 12.5 16	13 14.5 20	15 17 23	17 20 27	20 23 34	23 27 41	26 31 47
14x8	0.580	CFM	174	232	290	348	406	464	580	695	811
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	9 10.5 12.5	12 13 17	13 15 21	16 18 24	18 21 28	20 23 36	24 28 43	28 33 49
12x10 20x6	0.625	CFM	188	250	313	375	438	500	625	750	875
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8.5 10.5	9 10.5 13	12 13.5 17	14 15.5 21	16 18 25	18 21 28	20 24 37	25 29 44	29 34 51
16x8	0.665	CFM	200	266	333	399	466	532	665	798	931
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	8 8.5 10.5	10 11 13.5	13 14.5 18	14 16 22	17 19 26	18 21 29	21 25 38	25 30 45	30 35 52

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12x12 18x8	0.757	CFM	227	303	378	454	530	605	757	908	1059
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
16x10 20x8	0.842	Throw (ft.)	8	9	11	10	11.5	14.5	14	16	19
		CFM	253	337	421	505	589	674	842	1010	1179
18x10	0.951	NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	9	10	12	11	12.5	15	14	16	20
14x14 20x10	1.042	CFM	285	380	475	571	666	761	951	1141	1331
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
18x12 26x8	1.151	Throw (ft.)	10	11	13.5	13	15	19	16	19	23
		CFM	313	417	521	625	729	834	1042	1251	1459
16x14	1.196	NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	10	11.5	14.5	14	16	20	17	20	24
16x16	1.373	CFM	345	460	575	690	805	921	1151	1381	1611
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
24x12	1.545	Throw (ft.)	10	11.5	14.5	14	16	20	17	20	24
		CFM	359	479	598	718	837	957	1196	1436	1675
18x18	1.750	NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	11	12	15	15	17	21	18	21	24
30x12	1.967	CFM	412	549	687	824	961	1099	1373	1648	1923
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
24x24	3.154	Throw (ft.)	12	13	16	16	18	22	19	22	26
		CFM	463	618	772	927	1081	1236	1545	1854	2163
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	13	14.5	18	17	19	23	20	23	28
		CFM	525	700	875	1050	1225	1400	1750	2100	2450
		NC	<20	<20	<20	20	25	30	35-40	40-45	>55
		Throw (ft.)	13	14.5	18	18	20	24	21	24	30
		CFM	590	787	984	1180	1377	1574	1967	2361	2754
		NC	<20	<20	<20	20	25	30	35-40	45-50	>55
		Throw (ft.)	14	16	20	19	22	26	22	26	32
		CFM	946	1262	1577	1893	2208	2523	3154	3785	4416
		NC	<20	<20	<20	20	25	30	35-40	50-55	>55
		Throw (ft.)	17	19	23	22	25	31	26	31	37
		CFM	1059	1411	1763	2115	2467	2819	3471	4123	4775
		NC	<20	<20	<20	20	25	30	35-40	50-55	>55
		Throw (ft.)	17	19	23	22	25	31	26	31	37

Performance Notes:

- Performance data calculated with blades set at 0°
- Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- Throw data is based on supply air and room air both at isothermal conditions
- Effective core areas listed in chart are defined as the measurement of space between the blades actually utilized by the air
- Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006