

Performance Data



833 Series

Size	Eff. Area (ft ²)	Velocity Duct Pt.	300	400	500	600	700	800	900	1000	1200
			0.006	0.01	0.016	0.023	0.031	0.04	0.051	0.063	0.09
8x4	0.170	CFM	51	68	85	102	119	136	153	170	204
		Throw	2	3	4	5	6	7	7.5	8	10
		NC	<20	20	25	25	30	30	35	35	40
10x4	0.218	CFM	65	87	109	131	153	175	196	218	262
		Throw	2.5	4	5	6	7	7	8	9	11
		NC	<20	20	25	25	30	30	35	40	40
10x6	0.337	CFM	101	135	168	202	236	270	303	337	404
		Throw	3	4.5	5.5	7	8	9	11	12	14
		NC	<20	20	25	25	30	30	35	40	40
12x4	0.267	CFM	80	107	133	160	187	213	240	267	320
		Throw	3	4	5	7	8	8	9	11	13
		NC	<20	20	25	30	30	35	35	40	40
12x6	0.412	CFM	124	165	206	247	288	329	371	412	494
		Throw	3.5	5	6.5	7.5	9	10	11	13	16
		NC	<20	20	25	30	35	35	35	40	40
12x8	0.561	CFM	168	225	281	337	393	449	505	561	674
		Throw	5	7	8	10	12	13	15	16	20
		NC	<20	20	25	30	35	35	40	40	40
14x4	0.315	CFM	95	126	158	189	221	252	284	315	378
		Throw	3	4	5	7	8	9	10	11	13
		NC	<20	20	25	25	35	35	40	40	40
14x6	0.487	CFM	146	195	243	292	341	389	438	487	584
		Throw	4.5	6	7.5	9	10	12	14	15	18
		NC	<20	20	25	30	35	35	40	40	45
14x8	0.664	CFM	199	265	332	398	464	531	597	664	796
		Throw	5	7	8	10	12	13	15	16	20
		NC	<20	20	25	30	35	40	40	40	45

Performance Notes:

- 1) Throw value was measured in feet for a terminal velocity of 150/100/50 FPM
- 2) Throw data is based on supply air and room air both at isothermal conditions
- 3) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006