



# Performance Data

## 1630 Series

Duct Size	Core Eff. Area (ft <sup>2</sup> )	Neck Velocity (FPM)		400			500			600			700			800			1000		
		Velocity Pressure		0.011			0.017			0.024			0.034			0.044			0.068		
4x10	0.201	CFM		80			101			121			141			161			201		
		NC		20			25			30			30			35			35		
		Throw		8	9	11	10	11	13	12	13	17	14	16	21	15	17	25	17	20	30
4x12	0.243	CFM		97			121			146			170			194			243		
		NC		20			25			30			30			35			35		
		Throw		9	10	12	11	13	16	13	15	20	15	17	23	16	19	29	21	24	36
6x8	0.245	CFM		98			123			147			172			196			245		
		NC		20			25			30			30			35			35		
		Throw		9	10	12	11	13	16	13	15	20	15	17	23	16	19	29	21	24	36
4x14	0.284	CFM		114			142			170			199			227			284		
		NC		20			25			30			30			35			35		
		Throw		10	12	15	13	15	18	15	17	23	16	20	27	18	21	31	23	26	38
6x10	0.309	CFM		124			155			186			216			247			309		
		NC		20			25			30			30			35			35		
		Throw		10	12	15	13	15	18	15	17	23	16	20	27	18	21	31	23	26	38
8x8	0.331	CFM		132			166			199			232			265			331		
		NC		20			25			30			30-35			35			35-40		
		Throw		11	12	15	13	15	18	15	17	23	17	20	27	18	21	31	23	26	38
6x12	0.373	CFM		149			187			224			261			299			373		
		NC		20			25			30			30			35			35		
		Throw		11	13	16	14	16	20	16	19	25	18	21	29	19	22	34	25	29	43
8x10	0.417	CFM		167			209			250			292			334			417		
		NC		20			25			30-35			30-35			35-40			40		
		Throw		12	13	16	14	16	19	17	20	27	20	23	31	21	24	36	27	31	47
6x14	0.437	CFM		175			219			262			306			350			437		
		NC		20			25			30			30			35			35		
		Throw		12	14	17	15	17	21	18	21	27	20	23	31	19	22	32	27	31	50
6x16	0.501	CFM		200			250			301			351			401			501		
		NC		20			25			30			30-35			35-40			40		
		Throw		12	14	17	16	18	22	17	20	28	22	25	33	23	26	40	29	34	50
8x12	0.504	CFM		202			252			302			353			403			504		
		NC		20			25			30-35			30-35			35-40			40		
		Throw		13	15	18	16	18	22	18	21	29	23	26	35	25	28	42	30	35	52
8x14	0.590	CFM		236			295			354			413			472			590		
		NC		20			25			30-35			30-35			35-40			40		
		Throw		15	17	21	18	21	25	21	24	32	24	27	37	26	30	44	31	37	57

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10x10	0.526	CFM	210			263			315			368			421			526		
		NC	20			25			30-35			30-35			35-40			40		
		Throw	13	15	18	16	18	22	18	21	29	23	26	35	25	28	42	31	37	55
10x12	0.634	CFM	254			317			381			444			507			634		
		NC	20			25			30-35			30-35			35-40			40		
		Throw	13	15	19	18	21	25	22	25	33	25	28	38	27	31	47	32	38	58
8x16	0.676	CFM	271			338			406			473			541			676		
		NC	20			25			30-35			30-35			35-40			40		
		Throw	16	18	22	20	23	29	26	26	35	26	30	40	27	32	48	34	40	60
10x14	0.743	CFM	297			372			446			520			594			743		
		NC	20			25			30-35			30-35			35-40			40		
		Throw	16	18	22	20	24	30	24	27	37	27	32	44	30	35	53	35	41	63
12x12	0.765	CFM	306			382			459			535			612			765		
		NC	20			25			30-35			30-35			35-40			40-45		
		Throw	16	18	22	21	24	30	24	27	37	27	32	44	30	35	53	36	42	64
10x16	0.852	CFM	341			426			511			596			681			852		
		NC	20			25			30-35			35			40			45		
		Throw	17	20	24	21	26	32	24	27	37	28	33	45	31	37	55	39	46	68
12x14	0.896	CFM	358			448			538			627			717			896		
		NC	20			25			30-35			35			40			45		
		Throw	18	21	25	23	26	32	26	30	40	30	35	47	32	38	58	40	47	71
12x16	1.027	CFM	411			514			616			719			822			1027		
		NC	20			25			30-35			35			40			45		
		Throw	20	23	28	24	27	33	27	32	43	31	37	51	34	40	60	41	48	73
14x14	1.049	CFM	420			524			629			734			839			1049		
		NC	20			25			35			35			40			45		
		Throw	20	23	28	24	27	33	27	32	43	31	37	51	34	40	60	42	49	73
12x18	1.158	CFM	463			579			695			811			926			1158		
		NC	20			25			30-35			35			40			45		
		Throw	21	24	30	25	29	35	29	34	46	34	40	54	36	42	64	43	50	75
14x16	1.202	CFM	481			601			721			842			962			1202		
		NC	20			25			35			35			40			45		
		Throw	21	24	30	25	29	35	29	34	46	34	40	54	36	42	64	43	50	76
14x18	1.356	CFM	542			678			813			949			1085			1356		
		NC	20			25			35			35			40			45		
		Throw	23	26	32	27	32	39	31	37	50	36	42	56	37	44	66	44	51	77
16x16	1.378	CFM	551			689			827			964			1102			1378		
		NC	20			25			35			35			40			45		
		Throw	23	26	32	27	32	39	31	37	50	36	42	56	37	44	66	45	52	78



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14x20	1.509	CFM	604			755			905			1056			1207			1509		
		NC	20			25			35			35			40			45		
		Throw	23	26	32	28	33	41	31	37	51	37	44	58	38	45	67	46	54	80
12x24	1.551	CFM	620			776			931			1086			1241			1551		
		NC	20			25			35			35			40			45		
		Throw	23	26	32	28	33	41	31	37	51	37	44	58	38	45	67	47	54	81
30x12	1.940	CFM	776			970			1164			1358			1552			1940		
		NC	20			25			35			35			40			45		
		Throw	26	31	39	33	39	48	37	44	61	41	49	65	42	51	75	50	59	87

### 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) 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