



# Performance Data

## 1630-0 (OBD) Series

Duct Size	Core Eff. Area (ft <sup>2</sup> )	Neck Velocity (FPM) Velocity Pressure	400	500	600	700	800	1000												
			0.011	0.017	0.024	0.034	0.044	0.068												
4x10	0.191	CFM	76			95			115			134			153			191		
		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	0.230	CFM	92			115			138			161			184			230		
		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	0.233	CFM	93			117			140			163			186			233		
		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	0.270	CFM	108			135			162			189			216			270		
		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	0.294	CFM	118			147			176			206			235			294		
		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	0.315	CFM	126			157			189			220			252			315		
		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	0.354	CFM	142			177			213			248			284			354		
		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	0.397	CFM	159			198			238			278			317			397		
		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	0.415	CFM	166			208			249			291			332			415		
		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	0.476	CFM	190			238			286			333			381			476		
		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	0.479	CFM	191			239			287			335			383			479		
		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	0.561	CFM	224			280			336			392			448			561		
		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	0.499	CFM	200			250			300			350			400			499		
		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	0.603	CFM	241			301			362			422			482			603		
		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	0.643	CFM	257			321			386			450			514			643		
		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	0.706	CFM	282			353			424			494			565			706		
		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	0.727	CFM	291			363			436			509			581			727		
		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	0.809	CFM	324			405			485			566			647			809		
		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	0.851	CFM	340			426			511			596			681			851		
		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	0.976	CFM	390			488			585			683			781			976		
		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	0.997	CFM	399			498			598			698			797			997		
		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	1.100	CFM	440			550			660			770			880			1100		
		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	1.142	CFM	457			571			685			800			914			1142		
		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	1.288	CFM	515			644			773			902			1030			1288		
		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



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16x16	1.309	CFM	524			654			785			916			1047			1309		
		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
14x20	1.434	CFM	573			717			860			1004			1147			1434		
		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	1.474	CFM	589			737			884			1031			1179			1474		
		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	1.843	CFM	737			922			1106			1290			1475			1843		
		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