

Performance Data

1550 Series

Duct Size	Core Eff. Area (ft ²)	Neck Velocity (FPM) Velocity Pressure	400	500	600	700	800	1000
			0.011	0.017	0.024	0.034	0.044	0.068
4x10	0.181	CFM	72	90	108	126	145	181
		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	0.219	CFM	87	109	131	153	175	219
		NC	20	25	30	30	35	35
		Throw	9 10 12	11 12.5 16	13 14.5 20	15 17 23	16 19 29	21 24 36
6x8	0.223	CFM	89	111	134	156	178	223
		NC	20	25	30	30	35	35
		Throw	9 10 12	11 12.5 16	13 14.5 20	15 17 23	16 19 29	21 24 36
4x14	0.256	CFM	103	128	154	179	205	256
		NC	20	25	30	30	35	35
		Throw	10 12 15	13 14.5 18	15 17.0 23	16 20 27	18 21 31	23 26 38
6x10	0.282	CFM	113	141	169	197	225	282
		NC	20	25	30	30	35	35
		Throw	10 11.5 14.5	13 14.5 18	15 17 23	16 20 27	18 21 31	23 26 38
8x8	0.303	CFM	121	151	182	212	242	303
		NC	20	25	30	30-35	35	35-40
		Throw	11 12 15	13 14.5 18	15 17.0 23	17 20 27	18 21 31	23 26 38
6x12	0.341	CFM	136	170	205	239	273	341
		NC	20	25	30	30	35	35
		Throw	11 12.5 16	14 16 20	16 19 25	18 21 29	19 22 34	25 29 43
8x10	0.383	CFM	153	192	230	268	306	383
		NC	20	25	30-35	30-35	35-40	40
		Throw	12 13 16	14 16.0 19	17 20.0 27	20 23 31	21 24 36	27 31 47
6x14	0.400	CFM	160	200	240	280	320	400
		NC	20	25	30	30	35	35
		Throw	12 13.5 17	15 17 21	18 21 27	20 23 31	19 22 32	27 31 50
6x16	0.459	CFM	184	229	275	321	367	459
		NC	20	25	30	30-35	35-40	40
		Throw	12 14 17	16 18.0 22	17 20.0 28	22 25 33	23 26 40	29 34 50
8x12	0.463	CFM	185	232	278	324	371	463
		NC	20	25	30-35	30-35	35-40	40
		Throw	13 14.5 18	16 18 22	18 21 29	23 26 35	25 28 42	30 35 52
10x10	0.484	CFM	194	242	291	339	387	484
		NC	20	25	30-35	30-35	35-40	40
		Throw	13 15 18	16 18.0 22	18 21.0 29	23 26 35	25 28 42	31 37 55
8x14	0.543	CFM	217	272	326	380	435	543
		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
10x12	0.586	CFM	234	293	351	410	468	586
		NC	20	25	30-35	30-35	35-40	40
		Throw	13 15 19	18 21.0 25	22 25.0 33	25 28 38	27 31 47	32 38 58
8x16	0.624	CFM	249	312	374	437	499	624
		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	0.687	CFM	275	344	412	481	550	687
		NC	20	25	30-35	30-35	35-40	40
		Throw	16 18 22	20 24.0 30	24 27.0 37	27 32 44	30 35 53	35 41 63

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			0.011	0.017	0.024	0.034	0.044	0.068
12x12	0.708	CFM	283	354	425	496	566	708
		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	0.788	CFM	315	394	473	552	631	788
		NC	20	25	30-35	35	40	45
		Throw	17 20 24	21 26.0 32	24 27.0 37	28 33 45	31 37 55	39 46 68
12x14	0.831	CFM	332	415	498	581	664	831
		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	0.953	CFM	381	477	572	667	763	953
		NC	20	25	30-35	35	40	45
		Throw	20 23 28	24 27.0 33	27 32.0 43	31 37 51	34 40 60	41 48 73
14x14	0.974	CFM	390	487	584	682	779	974
		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	1.076	CFM	430	538	645	753	861	1076
		NC	20	25	30-35	35	40	45
		Throw	21 24 30	25 29.0 35	29 34.0 46	34 40 54	36 42 64	43 50 75
14x16	1.118	CFM	447	559	671	783	894	1118
		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	1.262	CFM	505	631	757	883	1009	1262
		NC	20	25	35	35	40	45
		Throw	23 26 32	27 32.0 39	31 37.0 50	36 42 56	37 44 66	44 51 77
16x16	1.283	CFM	513	641	770	898	1026	1283
		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	1.406	CFM	562	703	843	984	1124	1406
		NC	20	25	35	35	40	45
		Throw	23 26 32	28 33.0 41	31 37.0 51	37 44 58	38 45 67	46 54 80
12x24	1.444	CFM	577	722	866	1011	1155	1444
		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	1.809	CFM	724	905	1086	1266	1447	1809
		NC	20	25	35	35	40	45
		Throw	26 31 39	33 39.0 48	37 44.0 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