

Performance Data



902 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	0.122	CFM	36	49	61	73	85	97	122	146	170
		NC	<20	<20	<20	20	25	30	35	40	48
		Throw (ft.)	4 4.5 5.5	5 6 8	6 7 9	7 8 12	8 9 13	11 12 14	12 13 19	13 14 22	16 18 24
7x4	0.143	CFM	43	57	71	86	100	114	143	171	200
		NC	<20	<20	<20	20	25	30	35	40	40
		Throw (ft.)	4 5 6	5.0 6.5 8.5	7 8 10	8 9 13	9 10 13	12 13 15	13 14 21	14 16 24	18 20 26
6x5	0.156	CFM	47	63	78	94	109	125	156	188	219
		NC	<20	<20	<20	20	25	30	35	40	40
		Throw (ft.)	4 5 6	5 6.5 8.5	7 8 10	8 9 13	9 10 13	12 13 15	13 14 21	14 16 24	18 20 26
10x4	0.210	CFM	63	84	105	126	147	168	210	252	293
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	4 5 6	5 6.5 8.5	8 8.5 9.5	7 8.5 11	10 11 15	11 12 16	13 14 20	14 16 24	18 20 29
8x6 12x4	0.260	CFM	78	104	130	156	182	208	260	312	364
		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	0.298	CFM	89	119	149	179	208	238	298	357	417
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw (ft.)	5 6 7	6 7.5 9.5	9 10 12	10 11 15	12 14 19	13 15 20	16 18 27	18 21 33	21 24 38
10x6 16x4	0.329	CFM	99	132	165	198	231	264	329	395	461
		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	17 19 29	19 22 34	22 26 40
12x6 18x4	0.399	CFM	120	159	199	239	279	319	399	478	558
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	6 7 9	9 10 12	10 11.5 14.5	12 13.5 18	14 16 22	16 18 24	19 22 32	22 26 38	25 30 44
10x8 14x6	0.449	CFM	135	180	225	270	314	359	449	539	629
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	7 8 10	10 11 13	11 13 16	14 16 21	15 17 23	18 20 27	20 23 35	24 28 42	27 33 49
12x8 16x6	0.544	CFM	163	217	272	326	381	435	544	652	761
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	8 8.5 11	10 11.5 13.5	12 13.5 17	14 16 22	16 18 25	18 20 28	21 24 36	25 29 45	28 34 52
10x10 18x6	0.569	CFM	171	228	285	341	398	455	569	683	797
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	8 8.5 11	10 11.5 14.5	12 14.5 18	15 17 23	18 20 27	19 22 30	22 26 38	26 31 47	29 36 54
14x8	0.638	CFM	191	255	319	383	447	510	638	766	893
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	8 9 11.5	11 13 16	14 16 19	16 18 24	19 21 28	20 23 31	23 27 39	27 32 48	30 37 55
12x10	0.689	CFM	207	275	344	413	482	551	689	826	964
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw (ft.)	8 9.5 12	12 13.5 17	15 17 20	17 19 25	19 22 29	21 24 32	24 28 40	27 33 49	31 38 56
16x8	0.732	CFM	220	293	366	439	513	586	732	879	1025
		NC	<20	<20	<20	20	25	30	35-40	40-50	>50
		Throw (ft.)	9 10 12.5	12 14 17	15 17 20	17 19 25	20 23 30	22 25 33	25 29 41	29 35 51	32 40 58
12x12 14x10	0.834	CFM	250	333	417	500	583	667	834	1000	1167
		NC	<20	<20	<20	20	25	30	35-40	40-50	>50
		Throw (ft.)	9 10 12.5	12 14 18	16 18 21	18 20 26	20 23 34	23 26 35	25 30 46	30 36 55	33 42 65
16x10 20x8	0.965	CFM	290	386	483	579	676	772	965	1158	1351
		NC	<20	<20	<20	20	25	30	35-40	40-50	>50
		Throw (ft.)	9 11 13.5	13 15 19	17 19 23	19 21 28	21 24 35	24 28 38	27 33 50	33 41 59	38 47 70
18x10	1.047	CFM	314	419	524	628	733	838	1047	1257	1466
		NC	<20	<20	20	25	30	30-35	35-40	40-45	>50
		Throw (ft.)	10 11.5 14	14 16 20	18 20 24	19 22 29	22 25 36	25 29 39	28 34 51	34 42 60	39 48 71
14x14 20x10	1.148	CFM	345	459	574	689	804	919	1148	1378	1608
		NC	<20	<20	20	25	30	30-35	35-40	40-45	>50
		Throw (ft.)	10 11.5 14.5	14 16 20	18 20 24	19 22 30	23 26 37	25 30 40	29 35 53	34 42 62	40 49 73

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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
18x12 26x8	1.268	CFM NC Throw (ft.)	380 <20 11 12.5 15	507 <20 14 16 20	634 20 18 20 24	761 25 20 23 32	887 30 23 27 38	1014 31 26 31 42	1268 35-40 29 35 55	1521 40-45 35 43 65	1775 >50 43 53 75
16x14	1.318	CFM NC Throw (ft.)	396 <20 11 12 15	527 <20 15 17 21	659 20 19 21 24	791 25 20 23 33	923 30 24 28 39	1055 32 27 32 43	1318 35-40 30 36 56	1582 40-45 36 44 66	1846 >50 44 55 77
16x16	1.514	CFM NC Throw (ft.)	454 <20 12 13 16	605 <20 16 18 22	757 20 19 22 26	908 25 22 25 35	1060 30 25 30 41	1211 30-35 28 34 46	1514 35-40 32 39 60	1816 40-45 38 47 71	2119 >50 46 57 83
24x12 28x10	1.702	CFM NC Throw (ft.)	511 <20 13 14.5 18	681 <20 17 19 23	851 20 20 23 28	1021 25 23 27 37	1191 30 27 32 43	1362 30-35 29 36 48	1702 35-40 34 42 64	2042 40-45 41 50 76	2383 >50 48 59 89
18x18 32x10	1.929	CFM NC Throw (ft.)	579 <20 13 14.5 19	772 <20 18 20 24	965 20 21 24 30	1158 25 24 28 38	1350 30 27 32 44	1543 30-35 30 37 51	1929 35-40 36 44 66	2315 40-45 43 53 79	2701 >50 50 62 94
30x12 26x14	2.136	CFM NC Throw (ft.)	641 <20 14 16 20	855 <20 19 22 26	1068 20 22 26 32	1282 25 25 30 40	1495 30 29 35 47	1709 30-35 32 40 54	2136 35-40 38 47 71	2564 45-50 46 57 85	2991 >50 53 66 98
36x12 32x14	2.571	CFM NC Throw (ft.)	771 <20 15 17 21	1028 <20 20 23 29	1285 20 24 29 35	1542 25 27 33 45	1799 30 31 38 52	2056 30-35 36 44 60	2571 35-40 42 52 78	3085 45-50 50 62 94	3599 >50 60 73 109
24x24 36x16	3.465	CFM NC Throw (ft.)	1039 <20 20 23 29	1386 20 24 29 35	1732 25 27 33 45	2079 30 31 38 52	2425 30-35 36 44 60	2772 35-40 42 52 78	3465 45-50 50 62 94	4158 >50 60 73 109	4850 >50 69 85 126

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