

# Performance Data



## 916 Series

Duct Size	Core Eff. Area (ft <sup>2</sup> )	Neck Velocity (FPM) Velocity Pressure	400	500	600	700	800	900	1000
			0.032	0.048	0.07	0.092	0.12	0.14	0.16
6x6	0.172	CFM	69	86	103	120	138	155	172
		NC	<20	<20	20-25	25	25	25	25-30
10x6	0.296	CFM	118	148	178	207	237	266	296
		NC	20-25	20-25	25	25-30	25-30	25-30	30
8x8	0.319	CFM	128	160	191	223	255	287	319
		NC	20-25	20-25	25	25-30	25-30	25-30	30
12x6	0.358	CFM	143	179	215	251	286	322	358
		NC	20-25	25	25-30	25-30	25-30	25-30	30
14x6	0.420	CFM	168	210	252	294	336	378	420
		NC	20-25	20-25	25-30	25-30	25-30	30	30-35
10x10	0.511	CFM	205	256	307	358	409	460	511
		NC	20-25	20-25	25	25-30	25-30	30	30-35
14x8	0.573	CFM	229	286	344	401	458	516	573
		NC	20-25	20-25	25-30	25-30	25-30	30	30-35
12x12	0.749	CFM	299	374	449	524	599	674	749
		NC	25	25-30	25-30	30	30-35	30-35	30-35
14x14	1.031	CFM	413	516	619	722	825	928	1031
		NC	20-25	25-30	25-30	30-35	30-35	30-35	35
20x10	1.047	CFM	419	524	628	733	838	943	1047
		NC	25-30	25-30	30-35	30-35	30-35	35-40	35-40
18x12	1.138	CFM	455	569	683	797	910	1024	1138
		NC	25-30	25-30	30	30-35	30-35	30-35	35-40
16x16	1.359	CFM	544	679	815	951	1087	1223	1359
		NC	25-30	25-30	30-35	30-35	30-35	35-40	35-40
24x12	1.527	CFM	611	764	916	1069	1222	1375	1527
		NC	25-30	30	30-35	30-35	30-35	35-40	35-40
18x18	1.732	CFM	693	866	1039	1212	1385	1559	1732
		NC	25-30	25-30	30-35	30-35	35	35-40	35-40
30x12	1.917	CFM	767	958	1150	1342	1533	1725	1917
		NC	30-35	30-35	35	35-40	35-40	35-40	>40
20x20	2.150	CFM	860	1075	1290	1505	1720	1935	2150
		NC	25-30	30-35	30-35	35	35-40	35-40	35-40
24x20	2.590	CFM	1036	1295	1554	1813	2072	2331	2590
		NC	30	30-35	30-35	35-40	35-40	35-40	35-40
22x22	2.613	CFM	1045	1306	1568	1829	2090	2352	2613
		NC	30	30-35	30-35	35-40	35-40	35-40	40
30x18	2.917	CFM	1167	1458	1750	2042	2333	2625	2917
		NC	30-35	30-35	35	35-40	35-40	35-40	>40
24x24	3.121	CFM	1248	1561	1873	2185	2497	2809	3121
		NC	30-35	30-35	35	35-40	35-40	35-40	40
30x20	3.250	CFM	1300	1625	1950	2275	2600	2925	3250
		NC	30-35	30-35	35	35-40	35-40	35-40	>40
36x18	3.509	CFM	1404	1755	2105	2456	2807	3158	3509
		NC	30-35	30-35	35-40	35-40	35-40	40	>40
30x24	3.917	CFM	1567	1958	2350	2742	3133	3525	3917
		NC	30-35	35	35-40	35-40	35-40	40	>40
36x24	4.712	CFM	1885	2356	2827	3299	3770	4241	4712
		NC	30-35	35	35-40	35-40	35-40	40	>40
30x30	4.917	CFM	1967	2458	2950	3442	3933	4425	4917
		NC	30-35	35	35-40	35-40	35-40	40	>40
36x30	5.915	CFM	2366	2958	3549	4141	4732	5324	5915
		NC	30-35	35	35-40	35-40	40	>40	>40

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			400	500	600	700	800	900	1000
			0.032	0.048	0.07	0.092	0.12	0.14	0.16
48x24	6.303	CFM	2521	3152	3782	4412	5043	5673	6303
		NC	35	35-40	35-40	35-40	40	40-45	40-45
36x36	7.118	CFM	2847	3559	4271	4983	5695	6407	7118
		NC	35	35-40	35-40	40	40-45	40-45	40-45
48x36	9.522	CFM	3809	4761	5713	6665	7618	8570	9522
		NC	35-40	35-40	40	40-45	40-45	40-45	45
48x48	12.741	CFM	5096	6370	7645	8919	10193	11467	12741
		NC	30-40	35-40	40-45	40-45	45	<50	<50

### Performance Notes:

- 1) Effective core areas listed in chart are defined as the measurement of space between the blades actually being utilized by the air
- 2) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006