

Performance Data



A550 Series

Duct Size	Core Eff. Area (ft ²)	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
8x4	0.154	CFM			62	77	92	108	123	138	154
		NC			<20	<20	20-25	25-30	30-35	30-35	35
6x6	0.182	CFM			73	91	109	128	146	164	182
		NC			<20	<20	20-25	25-30	30-35	30-35	35
10x4	0.195	CFM			78	97	117	136	156	175	195
		NC			<20	<20	20-25	30	30-35	35	35-40
8x6	0.248	CFM			99	124	149	174	199	224	248
		NC			<20	<20	20-25	30	35	35	35-40
10x6	0.314	CFM			126	157	189	220	252	283	314
		NC			<20	20-25	30	30-35	35	35-40	40
8x8	0.343	CFM			137	171	206	240	274	309	343
		NC			<20	<20	20-25	30	35	35-40	40
12x6	0.381	CFM			152	190	228	266	304	342	381
		NC			<20	20-25	30	30-35	35	35-40	40
14x6	0.447	CFM			179	223	268	313	357	402	447
		NC			<20	25-30	30	30-35	35-40	40	40-45
10x10	0.554	CFM			222	277	332	388	443	499	554
		NC			20-25	25-30	30	30-35	35-40	40	40-45
14x8	0.617	CFM			247	308	370	432	493	555	617
		NC			20-25	25-30	30-35	35	40	40-45	45
12x12	0.815	CFM			326	408	489	571	652	734	815
		NC			20-25	25-30	30-35	35	35-40	40-45	45
14x14	1.127	CFM			451	564	676	789	902	1014	1127
		NC			20-25	30	30-35	35-40	40-45	40-45	>45
20x10	1.136	CFM			454	568	682	795	909	1023	1136
		NC			20-25	30-35	35	35-40	40-45	40-45	>45
18x12	1.240	CFM			496	620	744	868	992	1116	1240
		NC			20-25	30-35	35	35-40	40-45	40-45	>45
16x16	1.489	CFM			596	745	894	1042	1191	1340	1489
		NC			20-25	30	30-35	35-40	40-45	40-45	>45
24x12	1.665	CFM			666	833	999	1166	1332	1499	1665
		NC			25	30-35	35	35-40	40-45	40-45	<50
18x18	1.902	CFM			761	951	1141	1331	1521	1712	1902
		NC			25	30-35	35-40	35-40	40-45	45	>45
30x12	2.090	CFM			836	1045	1254	1463	1672	1881	2090
		NC			25	30-35	35-40	40	40-45	45-50	50
20x20	2.364	CFM			946	1182	1419	1655	1892	2128	2364
		NC			25-30	30-35	35-40	40	40-45	45-50	<50
24x20	2.849	CFM			1140	1425	1709	1994	2279	2564	2849
		NC			25-30	30-35	35-40	40-45	45	45-50	50
22x22	2.878	CFM			1151	1439	1727	2014	2302	2590	2878
		NC			25-30	35	35-40	40-45	45	45-50	50
30x18	3.204	CFM			1282	1602	1923	2243	2564	2884	3204
		NC			25-30	30-35	35-40	40-45	45	45-50	>50

Performance Data



A550 Series

Duct Size	Core Eff. Area (ft ²)	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
24x24	3.441	CFM			1376	1721	2065	2409	2753	3097	3441
		NC	25-30		35	35-40	40-50	45-50	45-50	45-50	50
30x20	3.576	CFM			1430	1788	2146	2503	2861	3218	3576
		NC	25-30		30-35	35-40	40-45	45-50	45-50	45-50	>50
36x18	3.856	CFM			1542	1928	2313	2699	3085	3470	3856
		NC	25-30		35-40	40	40-45	45-50	45-50	45-50	>50
30x24	4.319	CFM			1728	2160	2591	3023	3455	3887	4319
		NC	25-30		35	35-40	40-45	45-50	45-50	50	>50
36x24	5.197	CFM			2079	2598	3118	3638	4158	4677	5197
		NC	25-30		35-40	40	40-45	45-50	45-50	50	50-55
30x30	5.434	CFM			2173	2717	3260	3804	4347	4890	5434
		NC	25-30		35-40	40	40-45	45-50	45-50	>50	>50
36x30	6.538	CFM			2615	3269	3923	4577	5230	5884	6538
		NC	30		35-40	40-45	45	50	50	>50	>50
48x24	6.953	CFM			2781	3476	4172	4867	5562	6258	6953
		NC	30		35-40	40-45	45	50	50	50-55	50-55
36x36	7.879	CFM			3152	3940	4728	5515	6303	7091	7879
		NC	30-35		35-40	40-45	45	50-55	50-55	50-55	55
48x36	10.541	CFM			4217	5271	6325	7379	8433	9487	10541
		NC	30-35		35-40	40-45	45-50	45-50	50-55	50-55	>55
48x48	14.130	CFM			5652	7065	8478	9891	11304	12717	14130
		NC	35		35-40	40-45	45-50	45-50	50-55	55	>55

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