Performance Data

SHOEMAKER MANUFACTURING

600 Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM) Velocity Pressure	400 0.032	500 0.048	600 0.07	700 0.092	800 0.12	1000 0.14	1200 0.16
6x6	0.214	CFM	85	107	128	149	171	214	256
		NC	<20	<20	<20	<20	20-25	25	25
8x8	0.388	CFM	155	194	233	272	310	388	465
		NC	<20	<20	<20	20	25	25	30
14x6	0.511	CFM	204	255	306	357	408	511	613
		NC	<20	<20	<20	20	25	25	30
10x10	0.614	CFM	246	307	368	430	491	614	737
		NC	<20	<20	20	20	25	25	30
12x12	0.892	CFM	357	446	535	624	713	892	1070
		NC	<20	<20	20	20	25	25	30
14x14	1.221	CFM	488	611	733	855	977	1221	1465
		NC	<20	20	20	25	25	30	30
16x16	1.602	CFM	641	801	961	1121	1282	1602	1922
		NC	<20	20	20	20	25	25	30
24x10	1.496	CFM	598	748	897	1047	1196	1496	1795
		NC	<20	20	20	25	25	30	35
24x12	1.802	CFM	721	901	1081	1262	1442	1802	2163
		NC	<20	20	20	25	25	30	35
24x14	2.109	CFM	844	1055	1265	1476	1687	2109	2531
		NC	<20	20	20	25	25	30	35
24x16	2.416	CFM	966	1208	1449	1691	1933	2416	2899
		NC	<20	20	20	25	30	30	35
24x20	3.029	CFM	1212	1515	1818	2121	2423	3029	3635
		NC	20	20	20	25	30	30	35
18x18	2.035	CFM	814	1017	1221	1424	1628	2035	2442
		NC	<20	20	20	25	30	30	35
30x12	2.258	CFM	903	1129	1355	1580	1806	2258	2709
		NC	<20	20	25	25	30	30	35
30x14	2.642	CFM	1057	1321	1585	1849	2113	2642	3170
		NC	<20	20	25	25	30	30	35
20x20	2.519	CFM	1008	1260	1511	1763	2015	2519	3023
		NC	<20	20	25	25	30	30	35
36x12	2.713	CFM	1085	1356	1628	1899	2170	2713	3255
		NC	<20	20	25	25	30	30	35
22x22	3.055	CFM	1222	1528	1833	2139	2444	3055	3666
		NC	20	20	25	25	30	30	35
30x18	3.410	CFM	1364	1705	2046	2387	2728	3410	4092
		NC	20	20	25	25	30	35	40
24x24	3.643	CFM	1457	1821	2186	2550	2914	3643	4371
		NC	20	20	25	25	30	35	40

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30x20	3.795	CFM	1518	1897	2277	2656	3036	3795	4554
		NC	20	25	25	25	30	35	40
30x24	4.563	CFM	1825	2282	2738	3194	3651	4563	5476
		NC	20	25	25	30	30	35	40
36x24	5.484	CFM	2193	2742	3290	3838	4387	5484	6580
		NC	20	25	25	30	30	35	40
30x30	5.716	CFM	2286	2858	3430	4001	4573	5716	6859
		NC	20	25	25	30	30	35	40
36x36	8.254	CFM	3302	4127	4952	5778	6603	8254	9905
		NC	20	25	25	30	30	35	40
48x48	14.725	CFM	5890	7363	8835	10308	11780	14725	17670
		NC	20	25	25	30	30	35	45

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