Performance Data

SHOEMAKER MANUFACTURING

905 Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM)	400	500	600	700	800	900	1000
		Velocity Pressure	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

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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
24x14	1.961	CFM	784	981	1177	1373	1569	1765	1961
		NC	25	30-35	35	35-40	40-45	40-45	<50
24x16	2.257	CFM	903	1129	1354	1580	1806	2031	2257
		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
30x14	2.461	CFM	984	1231	1477	1723	1969	2215	2461
		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
24x24	3.441	CFM	1376	1721	2065	2409	2753	3097	3441
		NC	25-30	35	35-40	40-50	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	>50
36x18	3.856	CFM	1542	1928	2313	2699	3085	3470	3856
		NC	25-30	35-40	40	40-45	45-50	45-50	>50

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30x24	4.319	CFM	1728	2160	2591	3023	3455	3887	4319
		NC	25-30	35	35-40	40-45	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	50	50-55
30x30	5.434	CFM	2173	2717	3260	3804	4347	4890	5434
		NC	25-30	35-40	40	40-45	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
48x24	6.953	CFM	2781	3476	4172	4867	5562	6258	6953
		NC	30	35-40	40-45	45	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	55
48x36	10.541	CFM	4217	5271	6325	7379	8433	9487	10541
		NC	30-35	35-40	40-45	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	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