Performance Data

SHOEMAKER MANUFACTURING

620FG1, 620FG2, 620FG4 Series

Duct Size	Core Eff. Area (ft^2)	Neck Velocity (FPM) Velocity Pressure	150 .004	200 .006	250 .100	300 .016	350 .024	400 .032	500 .048	600 .070	700 .092	800 .120	900 .140	1000 .160
8x8 12x6	0.388	CFM	58	78	97	116	136	155	194	233	272	310	349	388
10x10 14x8	0.614	CFM	92	123	153	184	215	246	307	368	430	491	553	614
12x12 22x6	0.892	CFM	134	178	223	267	312	357	446	535	624	713	802	892
14x12	1.043	CFM	157	209	261	313	365	417	522	626	730	835	939	1043
14x14 24x8	1.221	CFM	183	244	305	366	427	488	611	733	855	977	1099	1221
16x16 30x8	1.602	CFM	240	320	401	481	561	641	801	961	1121	1282	1442	1602
20x14	1.754	CFM	263	351	438	526	614	702	877	1052	1228	1403	1578	1754
24x12	1.802	CFM	270	360	451	541	631	721	901	1081	1262	1442	1622	1802
24x14	2.109	CFM	316	422	527	633	738	844	1055	1265	1476	1687	1898	2109
18x18 20x16	2.035	CFM	305	407	509	610	712	814	1017	1221	1424	1628	1831	2035
20x20 25x16	2.519	CFM	378	504	630	756	882	1008	1260	1511	1763	2015	2267	2519
30x14	2.642	CFM	396	528	660	793	925	1057	1321	1585	1849	2113	2378	2642
24x20 30x16	3.029	CFM	454	606	757	909	1060	1212	1515	1818	2121	2423	2726	3029
25x20 36x14	3.157	CFM	474	631	789	947	1105	1263	1578	1894	2210	2526	2841	3157
24x24 36x16	3.643	CFM	546	729	911	1093	1275	1457	1821	2186	2550	2914	3279	3643
30x20	3.795	CFM	569	759	949	1138	1328	1518	1897	2277	2656	3036	3415	3795
36x20	4.560	CFM	684	912	1140	1368	1596	1824	2280	2736	3192	3648	4104	4560
30x24	4.563	CFM	684	913	1141	1369	1597	1825	2282	2738	3194	3651	4107	4563
36x24	5.484	CFM	823	1097	1371	1645	1919	2193	2742	3290	3838	4387	4935	5484
30x30	5.716	CFM	857	1143	1429	1715	2001	2286	2858	3430	4001	4573	5144	5716

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