

SHELDONS

Type

B.I.



BACKWARD INCLINED **CENTRIFUGAL FAN**

CATALOGUE No. 344
(Issue 8-71)



Sheldons Engineering.

Division of EarlsCourt Metal Industries Ltd.

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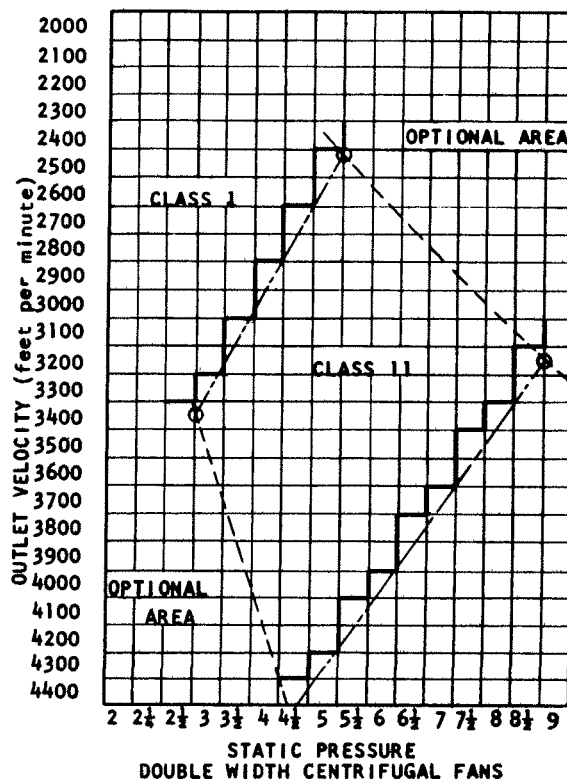
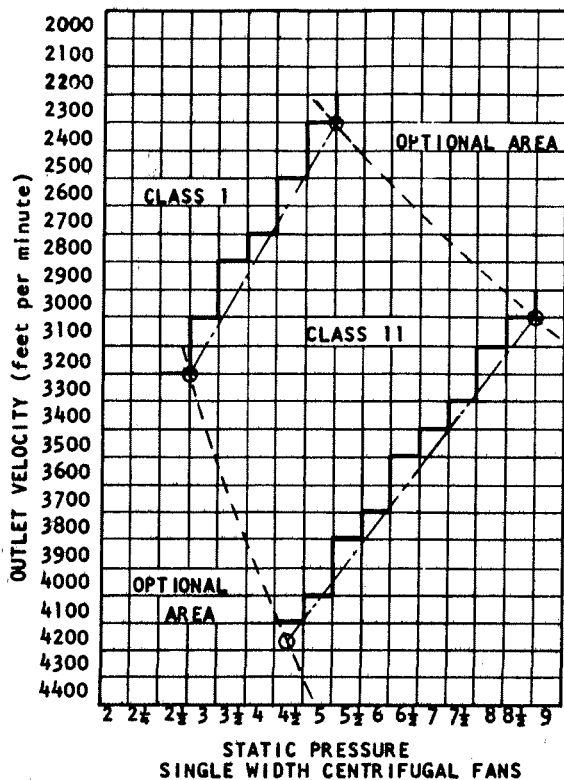
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CLASS OPERATING LIMITS IN ACCORDANCE WITH
AMCA STANDARD 2408-69

STANDARD FAN ARRANGEMENTS

ARRANGEMENT 1

The wheel is overhung on the shaft and the bearings are mounted on a heavy fabricated steel base.

ARRANGEMENT 3

The wheel is supported between bearings with one bearing in the fan inlet on a single width fan and a bearing in each inlet on a double width fan. Bearings are supported by a bearing bridge on each side of the fan casing. This arrangement is available in all sizes single and double width classes 1 and 2. Single width Arrangement 3 fans are provided with an external grease pipe and fitting for external lubrication of the inlet bearing.

ARRANGEMENT 3M

This arrangement is similar to arrangement 3 but modified so that the motor can be mounted directly on a well designed adjustable motor base bolted directly to the fan casing flanges and independently of the floor.

This space saving package arrangement insures that fan and motor are aligned correctly at the factory before shipment.

Installation is thus made easily and more satisfactory on site.

ARRANGEMENT 9

This is a design modification of Arrangement 1 with the motor mounted on the side of the bearing pedestal and driving fan through a short-center V-belt drive. This arrangement permits complete assembly of the fan-motor unit before shipment.



SIZE **122**

CENTRIFUGAL FAN TYPE B.I.

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 12 1/4"

OUTLET AREA 0.86 SQ FT

LIMIT LOAD HP = .088 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
687	800	909	0.06	1013	0.09	1107	0.11	1196	0.13	1280	0.16	1360	0.18	1437	0.21	1582	0.28		
773	900	969	0.08	1067	0.10	1157	0.13	1241	0.15	1320	0.18	1396	0.20	1470	0.23	1608	0.30	1738	0.37
859	1000	1028	0.09	1125	0.12	1210	0.15	1290	0.17	1366	0.20	1438	0.23	1508	0.26	1641	0.33	1766	0.40
945	1100	1090	0.11	1185	0.14	1267	0.17	1343	0.20	1416	0.23	1485	0.26	1551	0.29	1679	0.36	1799	0.43
1031	1200	1153	0.13	1245	0.16	1326	0.20	1400	0.23	1468	0.26	1536	0.30	1600	0.33	1720	0.39	1837	0.47
1117	1300	1218	0.16	1305	0.19	1386	0.23	1458	0.26	1525	0.30	1588	0.33	1650	0.37	1768	0.44	1878	0.51
1203	1400	1283	0.18	1368	0.22	1446	0.26	1518	0.30	1583	0.34	1645	0.37	1703	0.41	1818	0.49	1925	0.56
1289	1500	1349	0.21	1432	0.25	1507	0.29	1577	0.33	1643	0.38	1703	0.42	1760	0.46	1869	0.54	1974	0.62
1375	1600	1417	0.25	1497	0.29	1570	0.33	1637	0.37	1702	0.42	1762	0.46	1818	0.51	1924	0.60	2026	0.68
1461	1700	1485	0.29	1562	0.33	1633	0.37	1699	0.42	1762	0.47	1822	0.51	1878	0.56	1981	0.66	2078	0.75
1547	1800	1554	0.33	1628	0.37	1697	0.42	1762	0.47	1822	0.52	1882	0.57	1938	0.62	2039	0.72	2135	0.82
1633	1900	1623	0.37	1695	0.42	1762	0.47	1826	0.52	1885	0.57	1942	0.62	1997	0.68	2099	0.78	2192	0.89
1719	2000	1694	0.43	1763	0.48	1828	0.53	1890	0.58	1948	0.64	2003	0.69	2057	0.74	2159	0.85	2251	0.97
1805	2100	1764	0.48	1831	0.54	1894	0.59	1955	0.65	2012	0.70	2066	0.76	2118	0.81	2218	0.93	2310	1.05
1891	2200	1835	0.54	1900	0.60	1961	0.66	2020	0.71	2076	0.77	2130	0.83	2180	0.89	2278	1.01	2371	1.13
1977	2300	1907	0.61	1970	0.67	2029	0.73	2086	0.78	2141	0.85	2194	0.91	2244	0.97	2339	1.09	2430	1.22
2063	2400	1978	0.68	2039	0.74	2097	0.80	2153	0.87	2206	0.93	2258	0.99	2307	1.06	2400	1.18	2490	1.32
2149	2500	2050	0.75	2110	0.82	2166	0.89	2220	0.95	2272	1.01	2323	1.08	2371	1.15	2463	1.28	2550	1.41
2235	2600	2123	0.84	2181	0.91	2236	0.97	2288	1.04	2339	1.11	2388	1.18	2436	1.25	2527	1.39	2611	1.52
2407	2800	2269	1.03	2323	1.10	2375	1.17	2425	1.24	2474	1.32	2521	1.39	2566	1.46	2655	1.61	2737	1.76
2579	3000	2416	1.25	2467	1.32	2516	1.40	2564	1.47	2611	1.55	2656	1.63	2699	1.70	2784	1.87	2865	2.02
2751	3200	2564	1.50	2612	1.56	2659	1.65	2705	1.73	2749	1.81	2792	1.90	2834	1.98	2915	2.14	2994	2.32

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1031	1200	1948	0.55	2052	0.63	2155	0.72	2254	0.82	2350	0.92								
1117	1300	1986	0.59	2088	0.68	2187	0.76	2282	0.86	2375	0.96	2465	1.07						
1203	1400	2027	0.64	2127	0.73	2223	0.82	2316	0.91	2404	1.01	2493	1.12	2661	1.34				
1289	1500	2074	0.70	2169	0.78	2262	0.88	2352	0.97	2440	1.07	2524	1.18	2689	1.40	2846	1.64	2999	1.92
1375	1600	2122	0.77	2215	0.85	2304	0.94	2393	1.04	2477	1.14	2561	1.25	2720	1.46	2874	1.71	3021	1.97
1461	1700	2173	0.84	2264	0.93	2351	1.02	2434	1.11	2519	1.22	2599	1.32	2756	1.55	2904	1.78	3049	2.04
1547	1800	2225	0.91	2315	1.01	2400	1.11	2482	1.20	2561	1.30	2641	1.41	2793	1.63	2940	1.87	3079	2.12
1633	1900	2281	0.99	2366	1.10	2450	1.20	2531	1.30	2609	1.40	2685	1.50	2834	1.73	2976	1.97	3115	2.23
1719	2000	2338	1.08	2421	1.19	2502	1.29	2581	1.40	2658	1.50	2733	1.61	2876	1.83	3017	2.08	3151	2.33
1805	2100	2396	1.16	2477	1.28	2555	1.39	2633	1.51	2709	1.62	2782	1.73	2923	1.95	3058	2.19	3191	2.45
1891	2200	2455	1.25	2535	1.37	2612	1.50	2686	1.62	2760	1.73	2832	1.85	2971	2.08	3103	2.32	3232	2.58
1977	2300	2515	1.35	2594	1.48	2669	1.60	2742	1.73	2813	1.86	2884	1.98	3021	2.22	3151	2.47	3275	2.72
2063	2400	2575	1.45	2653	1.58	2728	1.72	2800	1.85	2869	1.98	2937	2.11	3072	2.37	3200	2.62	3323	2.88
2149	2500	2634	1.56	2713	1.70	2787	1.84	2858	1.97	2927	2.11	2993	2.25	3123	2.52	3250	2.78	3372	3.05
2235	2600	2694	1.67	2773	1.81	2847	1.96	2917	2.10	2984	2.24	3050	2.39	3176	2.67	3301	2.95	3421	3.22
2407	2800	2815	1.91	2892	2.06	2966	2.22	3036	2.38	3102	2.53	3166	2.69	3290	3.00	3407	3.30	3524	3.60
2579	3000	2941	2.18	3014	2.34	3086	2.51	3155	2.68	3223	2.84	3286	3.01	3406	3.34	3521	3.67	3631	4.00
2751	3200	3069	2.48	3140	2.66	3208	2.82	3275	3.00	3341	3.18	3405	3.36	3525	3.72	3637	4.07	3745	4.42
2923	3400	3197	2.82	3267	3.00	3334	3.18	3399	3.36	3462	3.54	3525	3.73	3645	4.11	3756	4.49	3861	4.87
3095	3600	3327	3.19	3395	3.38	3461	3.56	3524	3.76	3586	3.95	3645	4.13	3764	4.54	3876	4.94	3980	5.35
3267	3800	3458	3.58	3525	3.79	3590	3.99	3652	4.19	3712	4.39	3770	4.59	3884	5.00	3995	5.43	4100	5.85
3439	4000	3592	4.02	3656	4.23	3719	4.45	3780	4.66	3839	4.86	3897	5.08	4007	5.50	4114	5.94	4219	6.33
3611	4200	3727	4.50	3789	4.71	3850	4.94	3910	5.17	3968	5.38	4024	5.60	4133	6.05	4236	6.48	4338	6.96

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1547	1800	3216	2.40	3349	2.69	3477	2.99												
1633	1900	3246	2.49	3377	2.78	3503	3.08	3624	3.39	3747	3.74								
1719	2000	3282	2.60	3407	2.88	3532	3.18	3653	3.50	3769	3.82	3885	4.17	3999	4.54				
1891	2200	3358	2.85	3479	3.13	3599	3.44	3713	3.74	3826	4.06	3938	4.40	4047	4.76	4152	5.11	4257	5.49
2063	2400	3441	3.14	3560	3.44	3675	3.73	3786	4.04	3896	4.37	4002	4.70	4105	5.03	4209	5.39	4311	5.77
2235	2600	3537	3.50	3649	3.78	3757	4.08	3867	4.40	3972	4.72	4075	5.05	4177	5.40	4277	5.76	4374	6.11
2407	2800	3636	3.90	3745	4.19	3851	4.50	3954	4.80	4055	5.12	4156	5.47	4255	5.81	4350	6.16	4446	6.53
2579	3000	3739	4.32	3846	4.64	3949	4.95	4050	5.28	4148	5.61	4243	5.93	4338	6.27	4433	6.64	4525	7.01
2751	3200	3849	4.77	3950	5.12	4052	5.46	4150	5.80	4245	6.13	4340	6.48	4431	6.83	4520	7.17	4608	7.53
2923	3400	3963	5.24	4062	5.62	4157	5.99	4253	6.35	4347	6.71	4439	7.07	4528	7.43	4617	7.80	4703	8.17
3095	3600	4079	5.74	4176	6.14	4270	6.54	4361	6.93	4451	7.32	4541	7.70	4630	8.08	4715	8.46	4800	8.84
3267	3800	4198	6.28	4293	6.70	4385	7.11	4475	7.54	4562	7.95	4647	8.36	4733	8.77	4818	9.17	4901	9.57
3439	4000	4319	6.83	4412	7.29	4502	7.73	4590	8.16	4676	8.61	4760	9.05	4842	9.49	4922	9.92	5004	10.34

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer).

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I. SIZE 135

WHEEL DIA. 13 1/2"

OUTLET AREA 1.04 SQ FT

LIMIT LOAD HP = .143 ($\frac{RPM}{1,000}$)³

SINGLE WIDTH
SINGLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
831	800	821	0.08	916	0.10	1002	0.13	1083	0.16	1159	0.19	1231	0.22	1301	0.26	1434	0.34		
935	900	875	0.09	965	0.12	1047	0.15	1123	0.18	1195	0.21	1264	0.25	1331	0.28	1456	0.36	1575	0.45
1039	1000	929	0.11	1017	0.15	1094	0.18	1167	0.21	1236	0.24	1301	0.28	1365	0.31	1486	0.39	1599	0.48
1143	1100	984	0.13	1071	0.17	1145	0.21	1214	0.24	1281	0.28	1344	0.31	1404	0.35	1520	0.43	1629	0.52
1247	1200	1042	0.16	1125	0.20	1199	0.24	1265	0.28	1327	0.32	1389	0.36	1447	0.40	1557	0.47	1663	0.56
1351	1300	1100	0.19	1179	0.23	1253	0.27	1318	0.32	1379	0.36	1436	0.40	1493	0.44	1600	0.53	1700	0.62
1455	1400	1158	0.22	1236	0.26	1306	0.31	1372	0.36	1431	0.40	1487	0.45	1540	0.50	1644	0.59	1742	0.68
1559	1500	1218	0.26	1293	0.30	1361	0.35	1425	0.40	1484	0.45	1539	0.50	1591	0.55	1691	0.65	1786	0.75
1663	1600	1279	0.30	1351	0.35	1418	0.40	1479	0.45	1538	0.51	1592	0.56	1643	0.61	1740	0.72	1832	0.82
1767	1700	1340	0.34	1410	0.40	1475	0.45	1535	0.50	1592	0.56	1647	0.62	1697	0.68	1791	0.79	1879	0.90
1871	1800	1402	0.39	1469	0.45	1533	0.51	1591	0.56	1646	0.62	1700	0.68	1751	0.74	1843	0.86	1930	0.99
1975	1900	1465	0.45	1530	0.51	1591	0.57	1649	0.63	1703	0.69	1754	0.75	1805	0.82	1897	0.95	1982	1.07
2079	2000	1528	0.51	1591	0.57	1650	0.63	1707	0.70	1759	0.76	1810	0.83	1859	0.89	1951	1.03	2034	1.16
2183	2100	1591	0.58	1653	0.64	1710	0.71	1765	0.78	1817	0.84	1866	0.91	1913	0.97	2005	1.12	2088	1.26
2287	2200	1655	0.65	1715	0.72	1770	0.79	1824	0.86	1875	0.93	1923	1.00	1969	1.07	2058	1.21	2142	1.36
2391	2300	1720	0.73	1777	0.80	1831	0.87	1883	0.94	1933	1.02	1981	1.09	2026	1.17	2113	1.31	2196	1.47
2495	2400	1784	0.81	1840	0.89	1893	0.97	1943	1.04	1992	1.12	2039	1.19	2084	1.27	2168	1.42	2250	1.58
2599	2500	1849	0.90	1903	0.99	1955	1.06	2004	1.14	2051	1.22	2097	1.30	2142	1.38	2225	1.54	2304	1.70
2703	2600	1915	1.00	1967	1.09	2017	1.17	2065	1.25	2111	1.33	2156	1.42	2200	1.50	2282	1.67	2359	1.83
2911	2800	2046	1.23	2095	1.32	2143	1.41	2189	1.49	2233	1.58	2275	1.66	2317	1.76	2397	1.94	2472	2.12
3119	3000	2179	1.49	2225	1.58	2270	1.68	2314	1.76	2356	1.86	2397	1.96	2436	2.04	2514	2.24	2587	2.43
3327	3200	2312	1.79	2355	1.87	2398	1.98	2440	2.08	2480	2.17	2520	2.28	2558	2.38	2632	2.57	2703	2.78

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1247	1200	1763	0.66	1858	0.76	1952	0.87	2041	0.99	2129	1.12								
1351	1300	1798	0.71	1891	0.82	1980	0.92	2067	1.04	2152	1.17	2233	1.29						
1455	1400	1835	0.77	1926	0.88	2012	0.99	2097	1.10	2177	1.22	2258	1.36	2410	1.63				
1559	1500	1876	0.85	1963	0.95	2048	1.06	2129	1.17	2209	1.30	2286	1.42	2436	1.70	2578	1.99		
1663	1600	1920	0.92	2004	1.03	2085	1.14	2166	1.26	2243	1.38	2318	1.51	2463	1.77	2603	2.07	2736	2.39
1767	1700	1966	1.01	2048	1.12	2127	1.23	2203	1.34	2280	1.47	2353	1.60	2495	1.87	2629	2.15	2762	2.48
1871	1800	2012	1.10	2094	1.22	2171	1.33	2246	1.45	2318	1.57	2390	1.70	2528	1.97	2662	2.27	2788	2.57
1975	1900	2062	1.20	2140	1.32	2216	1.44	2290	1.56	2361	1.69	2429	1.81	2565	2.09	2694	2.38	2820	2.69
2079	2000	2113	1.30	2189	1.43	2263	1.56	2335	1.69	2405	1.81	2473	1.95	2603	2.21	2731	2.51	2853	2.82
2183	2100	2165	1.40	2240	1.54	2310	1.68	2381	1.81	2450	1.95	2516	2.08	2645	2.36	2768	2.65	2889	2.96
2287	2200	2219	1.51	2291	1.66	2361	1.80	2429	1.95	2496	2.09	2562	2.23	2688	2.51	2808	2.80	2926	3.12
2391	2300	2272	1.63	2344	1.78	2413	1.93	2479	2.09	2543	2.24	2608	2.39	2732	2.68	2851	2.98	2964	3.28
2495	2400	2327	1.74	2398	1.91	2465	2.07	2531	2.23	2594	2.39	2655	2.54	2778	2.85	2895	3.16	3007	3.48
2599	2500	2380	1.87	2452	2.04	2519	2.21	2583	2.38	2646	2.54	2706	2.71	2825	3.03	2940	3.35	3051	3.68
2703	2600	2434	2.01	2506	2.18	2572	2.36	2636	2.53	2698	2.70	2758	2.88	2872	3.22	2986	3.56	3095	3.88
2911	2800	2543	2.29	2613	2.48	2680	2.67	2744	2.86	2804	3.05	2862	3.24	2974	3.61	3081	3.98	3187	4.34
3119	3000	2656	2.63	2723	2.81	2788	3.02	2851	3.22	2912	3.42	2969	3.63	3079	4.03	3183	4.43	3283	4.82
3327	3200	2771	2.99	2836	3.19	2898	3.39	2959	3.61	3019	3.83	3077	4.04	3185	4.48	3287	4.90	3385	5.33
3535	3400	2887	3.39	2950	3.60	3011	3.82	3070	4.04	3128	4.26	3185	4.49	3294	4.95	3394	5.41	3490	5.87
3743	3600	3004	3.83	3066	4.06	3126	4.28	3183	4.52	3239	4.74	3293	4.97	3401	5.47	3503	5.95	3597	6.44
3951	3800	3122	4.30	3183	4.55	3241	4.79	3298	5.03	3352	5.28	3406	5.52	3509	6.02	3610	6.54	3705	7.05
4159	4000	3242	4.82	3301	5.08	3358	5.34	3414	5.59	3467	5.85	3519	6.11	3620	6.61	3718	7.15	3812	7.70
4367	4200	3364	5.40	3420	5.65	3476	5.93	3530	6.20	3583	6.47	3634	6.73	3733	7.28	3827	7.80	3920	8.38

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1871	1800	2913	2.91	3033	3.26	3150	3.63												
1975	1900	2939	3.01	3059	3.37	3173	3.74	3284	4.12	3395	4.54								
2079	2000	2972	3.15	3085	3.48	3199	3.86	3309	4.24	3414	4.64	3520	5.06						
2287	2200	3040	3.45	3150	3.79	3259	4.16	3362	4.52	3465	4.92	3567	5.34	3666	5.76	3761	6.20	3858	6.67
2495	2400	3114	3.79	3223	4.15	3326	4.51	3428	4.89	3527	5.29	3624	5.68	3717	6.08	3812	6.54	3905	7.00
2703	2600	3200	4.23	3301	4.57	3401	4.93	3500	5.32	3596	5.71	3689	6.10	3782	6.53	3873	6.96	3960	7.40
2911	2800	3289	4.70	3388	5.06	3485	5.43	3577	5.79	3670	6.19	3762	6.61	3852	7.03	3938	7.45	4025	7.90
3119	3000	3382	5.21	3479	5.60	3572	5.97	3664	6.37	3753	6.76	3840	7.15	3926	7.58	4012	8.03	4096	8.48
3327	3200	3480	5.75	3572	6.17	3665	6.58	3754	6.99	3841	7.40	3926	7.82	4009	8.24	4090	8.65	4171	9.10
3535	3400	3583	6.32	3672	6.77	3758	7.22	3846	7.66	3932	8.09	4015	8.52	4097	8.96	4177	9.41	4255	9.85
3743	3600	3687	6.92	3775	7.40	3860	7.88	3943	8.35	4025	8.82	4108	9.29	4188	9.74	4265	10.20	4343	10.67
3951	3800	3794	7.56	3880	8.07	3964	8.57	4045	9.08	4124	9.58	4201	10.08	4280	10.57	4358	11.06	4433	11.54
4159	4000	3902	8.23	3987	8.78	4069	9.31	4149	9.84	4227	10.38	4303	10.91	4378	11.43	4451	11.95	4526	12.47

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE 150

**SINGLE WIDTH
SINGLE INLET**

CENTRIFUGAL FAN TYPE B.I.

WHEEL DIA. 15"

OUTLET AREA 1.28 SQ FT

LIMIT LOAD HP = .242 (RPM/1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1023	800	738	0.09	823	0.13	901	0.16	973	0.19	1042	0.23	1107	0.27	1171	0.32	1290	0.42		
1151	900	786	0.11	867	0.15	941	0.19	1009	0.22	1074	0.26	1136	0.30	1197	0.35	1310	0.45	1417	0.56
1279	1000	835	0.14	914	0.18	983	0.22	1049	0.26	1111	0.30	1170	0.34	1228	0.39	1336	0.48	1438	0.59
1407	1100	884	0.16	962	0.21	1029	0.25	1091	0.30	1151	0.34	1208	0.39	1262	0.43	1366	0.53	1465	0.64
1535	1200	935	0.19	1010	0.24	1077	0.29	1137	0.34	1193	0.39	1248	0.44	1301	0.49	1400	0.58	1495	0.69
1663	1300	987	0.23	1059	0.28	1125	0.33	1184	0.39	1239	0.44	1290	0.49	1342	0.55	1438	0.65	1529	0.76
1791	1400	1040	0.27	1110	0.32	1174	0.38	1232	0.44	1286	0.50	1336	0.55	1384	0.61	1478	0.72	1566	0.83
1919	1500	1094	0.31	1162	0.37	1223	0.43	1281	0.49	1334	0.56	1383	0.62	1430	0.68	1520	0.80	1605	0.92
2047	1600	1148	0.36	1214	0.43	1273	0.49	1329	0.55	1382	0.62	1431	0.69	1477	0.75	1563	0.88	1647	1.01
2175	1700	1203	0.42	1266	0.49	1325	0.55	1379	0.62	1430	0.69	1480	0.76	1525	0.83	1609	0.97	1689	1.11
2303	1800	1259	0.48	1319	0.55	1377	0.62	1429	0.69	1479	0.76	1527	0.84	1573	0.91	1656	1.06	1734	1.21
2431	1900	1315	0.55	1374	0.62	1429	0.70	1481	0.77	1529	0.85	1576	0.92	1621	1.00	1704	1.16	1781	1.32
2559	2000	1372	0.62	1428	0.70	1482	0.78	1533	0.86	1580	0.94	1625	1.01	1670	1.10	1753	1.26	1828	1.43
2687	2100	1429	0.71	1484	0.79	1535	0.87	1585	0.95	1632	1.03	1676	1.12	1719	1.20	1801	1.37	1876	1.55
2815	2200	1486	0.80	1539	0.88	1590	0.96	1638	1.05	1684	1.14	1727	1.22	1769	1.31	1849	1.49	1925	1.67
2943	2300	1544	0.89	1595	0.98	1644	1.07	1691	1.16	1736	1.25	1779	1.34	1820	1.43	1898	1.61	1973	1.81
3071	2400	1602	1.00	1652	1.09	1699	1.18	1745	1.27	1789	1.37	1831	1.46	1871	1.56	1948	1.75	2021	1.95
3199	2500	1660	1.11	1709	1.21	1755	1.30	1799	1.40	1842	1.49	1883	1.60	1923	1.69	1998	1.89	2070	2.09
3327	2600	1718	1.23	1766	1.34	1811	1.43	1854	1.53	1896	1.63	1936	1.74	1975	1.84	2049	2.04	2119	2.24
3583	2800	1836	1.51	1881	1.62	1924	1.72	1965	1.83	2005	1.94	2043	2.04	2081	2.15	2153	2.37	2220	2.60
3839	3000	1955	1.83	1997	1.93	2038	2.05	2077	2.16	2115	2.28	2152	2.40	2188	2.51	2257	2.75	2324	2.98
4095	3200	2075	2.19	2114	2.29	2153	2.42	2190	2.54	2227	2.66	2262	2.79	2297	2.91	2363	3.16	2428	3.41

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1535	1200	1588	0.81	1674	0.94	1758	1.08	1839	1.22	1918	1.38								
1663	1300	1619	0.88	1703	1.01	1783	1.14	1862	1.28	1938	1.44	2011	1.59						
1791	1400	1652	0.95	1734	1.08	1812	1.22	1888	1.36	1961	1.50	2034	1.67	2171	2.01				
1919	1500	1690	1.04	1768	1.17	1844	1.30	1918	1.45	1990	1.60	2059	1.75	2194	2.09	2322	2.45		
2047	1600	1729	1.14	1805	1.27	1878	1.40	1950	1.55	2020	1.69	2088	1.86	2218	2.18	2345	2.55	2465	2.91
2175	1700	1770	1.24	1844	1.38	1916	1.52	1984	1.65	2053	1.81	2119	1.97	2247	2.30	2368	2.65	2488	3.05
2303	1800	1812	1.36	1885	1.50	1955	1.64	2022	1.79	2087	1.93	2153	2.09	2277	2.43	2397	2.79	2511	3.16
2431	1900	1857	1.47	1927	1.63	1996	1.77	2062	1.92	2126	2.08	2188	2.23	2310	2.57	2427	2.93	2540	3.32
2559	2000	1903	1.60	1971	1.76	2037	1.92	2103	2.07	2165	2.23	2227	2.39	2344	2.72	2459	3.09	2569	3.47
2687	2100	1950	1.72	2017	1.90	2080	2.07	2144	2.23	2206	2.40	2266	2.56	2382	2.90	2493	3.26	2601	3.65
2815	2200	1997	1.86	2063	2.04	2126	2.22	2187	2.40	2248	2.57	2307	2.74	2421	3.09	2528	3.45	2635	3.84
2943	2300	2046	2.00	2110	2.19	2173	2.38	2232	2.57	2290	2.75	2349	2.93	2460	3.29	2567	3.66	2669	4.03
3071	2400	2095	2.15	2159	2.35	2220	2.54	2279	2.74	2336	2.94	2391	3.13	2502	3.51	2607	3.89	2708	4.28
3199	2500	2143	2.30	2207	2.51	2268	2.72	2326	2.92	2382	3.13	2437	3.33	2544	3.73	2647	4.12	2747	4.52
3327	2600	2191	2.47	2256	2.68	2316	2.90	2373	3.12	2429	3.33	2483	3.54	2586	3.96	2689	4.37	2787	4.78
3583	2800	2290	2.82	2353	3.05	2413	3.29	2470	3.52	2524	3.75	2577	3.98	2678	4.44	2774	4.90	2870	5.34
3839	3000	2391	3.23	2451	3.46	2510	3.71	2567	3.96	2622	4.21	2673	4.46	2772	4.95	2866	5.45	2956	5.93
4095	3200	2495	3.67	2553	3.93	2609	4.17	2664	4.44	2718	4.71	2771	4.97	2868	5.51	2960	6.03	3048	6.56
4351	3400	2599	4.16	2656	4.43	2711	4.70	2764	4.96	2816	5.24	2867	5.53	2966	6.09	3056	6.66	3142	7.21
4607	3600	2704	4.70	2760	4.99	2814	5.27	2866	5.56	2916	5.83	2965	6.11	3062	6.73	3153	7.32	3238	7.92
4863	3800	2810	5.28	2865	5.59	2918	5.89	2969	6.19	3018	6.49	3066	6.79	3159	7.40	3250	8.04	3336	8.66
5119	4000	2918	5.92	2971	6.24	3023	6.57	3073	6.88	3121	7.19	3168	7.51	3258	8.13	3347	8.79	3432	9.46
5375	4200	3028	6.64	3078	6.94	3129	7.29	3178	7.63	3225	7.95	3272	8.28	3360	8.95	3445	9.59	3529	10.31

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2303	1800	2621	3.58	2729	4.02	2834	4.48												
2431	1900	2644	3.71	2752	4.15	2855	4.61	2954	5.08	3055	5.60								
2559	2000	2673	3.88	2775	4.29	2877	4.75	2976	5.23	3071	5.71	3167	6.25						
2815	2200	2733	4.24	2833	4.67	2931	5.12	3024	5.57	3117	6.06	3209	6.58	3298	7.10	3384	7.63	3471	8.22
3071	2400	2800	4.67	2898	5.11	2991	5.55	3083	6.02	3172	6.51	3259	7.00	3344	7.49	3429	8.06	3513	8.62
3327	2600	2877	5.20	2968	5.61	3058	6.06	3147	6.54	3233	7.02	3318	7.52	3402	8.04	3483	8.57	3562	9.11
3583	2800	2957	5.77	3046	6.22	3133	6.67	3216	7.12	3300	7.61	3383	8.13	3463	8.65	3542	9.16	3620	9.73
3839	3000	3040	6.41	3127	6.88	3211	7.34	3294	7.83	3374	8.31	3452	8.79	3530	9.32	3608	9.88	3684	10.43
4095	3200	3127	7.07	3211	7.58	3294	8.09	3374	8.59	3453	9.09	3530	9.61	3605	10.13	3677	10.64	3751	11.19
4351	3400	3219	7.77	3300	8.32	3378	8.87	3457	9.41	3534	9.94	3609	10.47	3683	11.01	3755	11.57	3826	12.11
4607	3600	3313	8.50	3392	9.09	3469	9.68	3544	10.26	3618	10.84	3692	11.41	3764	11.97	3834	12.53	3904	13.11
4863	3800	3409	9.29	3486	9.91	3562	10.53	3635	11.16	3707	11.78	3776	12.38	3847	12.99	3917	13.59	3985	14.18
5119	4000	3506	10.11	3582	10.78	3656	11.44	3728	12.09	3799	12.75	3867	13.40	3934	14.05	4001	14.69	4068	15.32

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I.

SIZE 165

WHEEL DIA. 16 1/2"

OUTLET AREA 1.56 SQ FT

LIMIT LOAD HP = .524 ($\frac{RPM}{1,000}$)³

SINGLE WIDTH
SINGLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1248	800	641	0.09	724	0.12	802	0.16	877	0.19										
1403	900	673	0.10	757	0.14	829	0.18	899	0.22	965	0.26								
1559	1000	707	0.12	792	0.17	860	0.20	924	0.25	988	0.29	1049	0.34						
1715	1100	748	0.14	824	0.19	896	0.24	955	0.28	1014	0.32	1072	0.37	1127	0.43				
1871	1200	792	0.17	857	0.22	930	0.27	992	0.32	1044	0.36	1099	0.41	1152	0.47	1254	0.58		
2027	1300	836	0.20	897	0.25	961	0.30	1026	0.36	1081	0.41	1129	0.46	1180	0.51	1278	0.63	1371	0.75
2184	1400	880	0.24	939	0.29	994	0.34	1058	0.40	1116	0.46	1167	0.52	1211	0.57	1303	0.69	1394	0.82
2340	1500	927	0.28	983	0.33	1035	0.38	1089	0.44	1149	0.51	1201	0.57	1248	0.63	1333	0.75	1419	0.88
2496	1600	973	0.32	1027	0.38	1078	0.43	1126	0.49	1179	0.56	1234	0.63	1283	0.70	1367	0.82	1448	0.95
2652	1700	1020	0.37	1071	0.43	1121	0.49	1167	0.55	1213	0.61	1265	0.69	1316	0.76	1404	0.90	1478	1.03
2808	1800	1069	0.43	1118	0.49	1165	0.55	1210	0.61	1252	0.68	1297	0.75	1347	0.83	1438	0.98	1515	1.13
2964	1900	1118	0.49	1164	0.55	1209	0.62	1253	0.69	1294	0.75	1335	0.82	1378	0.90	1471	1.07	1551	1.22
3119	2000	1168	0.56	1211	0.62	1254	0.69	1297	0.76	1337	0.83	1376	0.90	1414	0.97	1503	1.15	1585	1.32
3276	2100	1221	0.64	1258	0.70	1301	0.77	1341	0.84	1381	0.92	1419	0.99	1455	1.06	1533	1.23	1618	1.42
3432	2200	1274	0.73	1307	0.78	1347	0.86	1386	0.93	1425	1.01	1462	1.09	1497	1.16	1568	1.32	1649	1.52
3588	2300	1328	0.82	1356	0.87	1394	0.95	1432	1.03	1469	1.11	1506	1.19	1540	1.27	1607	1.43	1679	1.61
3744	2400	1381	0.92	1406	0.97	1441	1.05	1478	1.13	1513	1.21	1550	1.30	1584	1.38	1648	1.54	1714	1.73
3900	2500	1435	1.03	1458	1.09	1489	1.16	1525	1.24	1559	1.33	1593	1.42	1628	1.50	1691	1.67	1753	1.85
4056	2600	1488	1.15	1511	1.21	1538	1.28	1572	1.36	1606	1.45	1638	1.54	1672	1.63	1735	1.81	1794	1.98
4367	2800	1594	1.41	1617	1.48	1637	1.54	1668	1.62	1699	1.72	1731	1.82	1761	1.91	1823	2.11	1879	2.30
4679	3000	1692	1.69	1724	1.80	1743	1.86	1766	1.93	1794	2.02	1824	2.13	1854	2.23	1910	2.44	1967	2.65
4991	3200	1792	2.00	1831	2.15	1850	2.22	1867	2.28	1892	2.37	1918	2.47	1947	2.58	2001	2.80	2054	3.03

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2184	1400	1480	0.95																
2340	1500	1502	1.02	1583	1.16														
2496	1600	1528	1.09	1605	1.24	1681	1.39	1754	1.52										
2652	1700	1555	1.17	1631	1.33	1703	1.48	1775	1.64	1844	1.79								
2808	1800	1585	1.27	1658	1.42	1729	1.58	1798	1.75	1865	1.91	1931	2.08						
2964	1900	1620	1.37	1688	1.52	1755	1.68	1823	1.85	1888	2.03	1952	2.20	2077	2.53				
3119	2000	1657	1.48	1720	1.63	1785	1.80	1849	1.97	1914	2.15	1976	2.33	2098	2.71				
3276	2100	1692	1.59	1758	1.76	1816	1.92	1880	2.09	1940	2.27	2002	2.46	2119	2.85	2235	3.24		
3432	2200	1725	1.71	1793	1.89	1854	2.06	1910	2.23	1971	2.41	2029	2.60	2145	3.00	2255	3.40	2365	3.81
3588	2300	1757	1.83	1827	2.02	1890	2.21	1947	2.39	2001	2.56	2059	2.75	2170	3.15	2280	3.57	2385	4.00
3744	2400	1788	1.94	1860	2.15	1925	2.35	1984	2.55	2038	2.73	2089	2.91	2198	3.31	2305	3.75	2408	4.19
3900	2500	1819	2.06	1892	2.28	1958	2.50	2019	2.71	2075	2.91	2126	3.10	2229	3.50	2331	3.97	2434	4.38
4056	2600	1854	2.19	1922	2.41	1990	2.65	2052	2.87	2109	3.08	2163	3.29	2259	3.69	2361	4.12	2459	4.57
4367	2800	1934	2.49	1989	2.71	2051	2.94	2117	3.20	2177	3.45	2232	3.68	2334	4.13	2422	4.55	2517	5.01
4679	3000	2019	2.85	2070	3.05	2121	3.28	2178	3.53	2239	3.80	2298	4.07	2403	4.58	2497	5.06	2580	5.52
4991	3200	2107	3.25	2156	3.47	2203	3.68	2252	3.93	2303	4.19	2358	4.46	2469	5.04	2566	5.58	2655	6.09
5303	3400	2195	3.69	2243	3.93	2289	4.15	2334	4.37	2379	4.63	2426	4.90	2530	5.50	2633	6.10	2724	6.67
5615	3600	2282	4.16	2331	4.42	2376	4.67	2420	4.91	2462	5.14	2505	5.41	2595	5.98	2695	6.63	2791	7.27
5927	3800	2374	4.68	2418	4.95	2464	5.22	2507	5.48	2548	5.74	2589	5.99	2670	6.55	2757	7.16	2853	7.85
6239	4000	2467	5.25	2509	5.53	2552	5.81	2595	6.09	2636	6.37	2675	6.65	2752	7.16	2829	7.78	2914	8.44
6551	4200	2560	5.87	2602	6.16	2641	6.45	2683	6.75	2724	7.05	2763	7.34	2838	7.91	2911	8.48	2984	9.13
6863	4400	2654	6.54	2695	6.85	2734	7.15	2772	7.45	2811	7.77	2851	8.08	2924	8.69	2995	9.27	3065	9.90
7175	4600	2749	7.27	2788	7.59	2827	7.91	2864	8.23	2900	8.54	2938	8.87	3012	9.52	3081	10.15	3148	10.74

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3744	2400	2509	4.64	2607	5.05														
4056	2600	2556	5.06	2649	5.53	2743	6.03	2832	6.45										
4367	2800	2607	5.49	2700	6.01	2788	6.52	2874	7.04	2961	7.58	3044	8.03						
4679	3000	2667	6.00	2754	6.51	2838	7.03	2924	7.60	3005	8.14	3086	8.70	3167	9.28	3245	9.77		
4991	3200	2734	6.58	2814	7.08	2896	7.61	2975	8.16	3056	8.75	3135	9.34	3211	9.93	3286	10.52	3363	11.13
5303	3400	2808	7.22	2884	7.75	2957	8.26	3035	8.82	3111	9.40	3185	9.98	3262	10.61	3336	11.25	3407	11.87
5615	3600	2877	7.86	2957	8.45	3031	9.02	3099	9.55	3171	10.13	3245	10.73	3316	11.34	3386	11.97	3458	12.64
5927	3800	2943	8.53	3025	9.16	3102	9.78	3175	10.39	3240	10.96	3305	11.54	3376	12.17	3444	12.80	3511	13.45
6239	4000	3006	9.18	3092	9.89	3170	10.56	3244	11.21	3315	11.86	3380	12.48	3440	13.08	3505	13.71	3571	14.37
6551	4200	3066	9.83	3154	10.61	3236	11.36	3312	12.07	3384	12.75	3451	13.44	3517	14.11	3576	14.74	3633	15.36
6863	4400	3136	10.59	3214	11.32	3298	12.14	3377	12.93	3451	13.68	3520	14.40	3586	15.12	3650	15.83	3709	16.51

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE **182**

SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B.I.

WHEEL DIA. 18 1/4"

OUTLET AREA 1.90 SQ FT

LIMIT LOAD HP = .842 ($\frac{RPM}{1000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1519	800	579	0.11	654	0.14	725	0.19												
1709	900	608	0.13	684	0.17	749	0.22	812	0.26	873	0.32								
1899	1000	638	0.15	716	0.20	777	0.25	835	0.30	893	0.35	948	0.41						
2089	1100	675	0.18	744	0.23	809	0.29	863	0.34	916	0.40	969	0.46	1019	0.52				
2279	1200	715	0.21	774	0.26	840	0.33	896	0.39	944	0.44	993	0.50	1041	0.57	1134	0.71		
2469	1300	754	0.25	809	0.30	868	0.37	927	0.44	977	0.50	1020	0.56	1066	0.63	1155	0.77	1240	0.92
2659	1400	794	0.29	848	0.35	898	0.41	956	0.49	1008	0.56	1054	0.63	1094	0.69	1178	0.83	1260	0.99
2849	1500	836	0.34	887	0.40	934	0.46	983	0.54	1037	0.62	1085	0.70	1128	0.77	1205	0.91	1282	1.07
3039	1600	878	0.39	927	0.46	973	0.53	1016	0.60	1065	0.68	1115	0.77	1159	0.85	1235	1.00	1308	1.16
3229	1700	920	0.45	967	0.52	1012	0.60	1053	0.66	1095	0.74	1143	0.84	1189	0.93	1268	1.10	1335	1.26
3419	1800	964	0.52	1008	0.59	1052	0.67	1092	0.75	1131	0.82	1172	0.91	1217	1.01	1299	1.20	1369	1.37
3609	1900	1008	0.59	1050	0.67	1091	0.75	1131	0.83	1168	0.91	1205	0.99	1245	1.09	1329	1.30	1401	1.49
3799	2000	1054	0.68	1092	0.75	1132	0.84	1171	0.92	1207	1.01	1242	1.09	1277	1.18	1357	1.40	1432	1.61
3989	2100	1101	0.77	1135	0.84	1173	0.93	1210	1.02	1247	1.11	1280	1.20	1314	1.29	1384	1.49	1461	1.73
4179	2200	1149	0.88	1179	0.95	1215	1.04	1250	1.13	1286	1.23	1319	1.32	1351	1.41	1416	1.61	1489	1.85
4369	2300	1197	0.99	1223	1.06	1258	1.15	1292	1.25	1326	1.34	1359	1.44	1390	1.54	1451	1.74	1516	1.96
4559	2400	1245	1.12	1268	1.18	1300	1.27	1334	1.37	1366	1.47	1399	1.58	1430	1.68	1488	1.87	1548	2.10
4749	2500	1294	1.25	1315	1.31	1344	1.40	1376	1.51	1407	1.61	1438	1.72	1469	1.83	1527	2.03	1582	2.25
4939	2600	1342	1.40	1362	1.46	1388	1.55	1418	1.65	1449	1.76	1478	1.87	1509	1.98	1566	2.20	1619	2.41
5139	2800	1437	1.71	1458	1.80	1477	1.86	1504	1.97	1533	2.08	1562	2.20	1589	2.32	1645	2.56	1696	2.79
5699	3000	1526	2.05	1555	2.18	1572	2.25	1593	2.34	1618	2.45	1646	2.58	1672	2.70	1724	2.96	1775	3.22
6079	3200	1616	2.43	1651	2.60	1668	2.69	1684	2.76	1707	2.88	1730	2.99	1756	3.13	1805	3.40	1854	3.68

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2659	1400	1338	1.15																
2849	1500	1358	1.24	1431	1.41														
3039	1600	1381	1.33	1451	1.50	1520	1.69												
3229	1700	1405	1.43	1474	1.62	1539	1.80	1605	2.00	1667	2.18								
3419	1800	1433	1.54	1498	1.72	1562	1.92	1625	2.12	1686	2.33	1746	2.53						
3609	1900	1463	1.67	1525	1.85	1586	2.05	1648	2.26	1707	2.46	1765	2.68	1877	3.08				
3799	2000	1497	1.80	1554	1.99	1613	2.19	1671	2.39	1730	2.61	1786	2.83	1896	3.29				
3989	2100	1528	1.94	1588	2.14	1641	2.33	1698	2.55	1753	2.76	1809	3.00	1915	3.45	2020	3.95		
4179	2200	1559	2.08	1619	2.30	1675	2.51	1726	2.71	1781	2.93	1833	3.16	1939	3.65	2039	4.13	2138	4.63
4369	2300	1587	2.22	1650	2.46	1707	2.68	1759	2.90	1808	3.11	1860	3.35	1961	3.83	2061	4.34	2156	4.86
4559	2400	1615	2.36	1681	2.62	1738	2.86	1792	3.10	1841	3.32	1888	3.54	1987	4.03	2083	4.56	2176	5.08
4749	2500	1643	2.50	1709	2.78	1769	3.04	1823	3.29	1874	3.54	1920	3.77	2014	4.25	2106	4.77	2200	5.34
4939	2600	1674	2.66	1736	2.93	1798	3.22	1854	3.49	1905	3.75	1954	4.00	2041	4.48	2133	5.01	2222	5.57
5139	2800	1746	3.02	1796	3.29	1853	3.58	1912	3.89	1967	4.19	2016	4.47	2108	5.02	2188	5.53	2274	6.10
5699	3000	1823	3.46	1869	3.71	1915	3.99	1967	4.29	2023	4.63	2075	4.95	2170	5.57	2256	6.16	2331	6.71
6079	3200	1901	3.95	1946	4.21	1989	4.47	2033	4.77	2080	5.09	2130	5.43	2230	6.13	2318	6.78	2398	7.41
6459	3400	1981	4.48	2024	4.77	2066	5.04	2107	5.31	2148	5.63	2191	5.96	2286	6.69	2379	7.42	2460	8.11
6839	3600	2060	5.04	2104	5.36	2145	5.67	2184	5.96	2223	6.24	2262	6.57	2344	7.27	2435	8.06	2521	8.84
7219	3800	2142	5.68	2183	6.00	2224	6.33	2263	6.66	2300	6.97	2337	7.27	2410	7.95	2490	8.71	2577	9.55
7599	4000	2226	6.37	2264	6.71	2303	7.05	2343	7.39	2379	7.74	2415	8.07	2484	8.70	2554	9.46	2632	10.26
7979	4200	2310	7.12	2347	7.48	2383	7.82	2421	8.19	2459	8.55	2494	8.91	2561	9.59	2628	10.30	2695	11.10
8359	4400	2394	7.93	2431	8.31	2467	8.68	2501	9.04	2537	9.42	2573	9.80	2639	10.55	2703	11.25	2767	12.03
8739	4600	2480	8.82	2516	9.20	2551	9.59	2584	9.98	2617	10.35	2652	10.76	2719	11.55	2781	12.31	2842	13.04

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4559	2400	2269	5.64	2357	6.14														
4939	2600	2310	6.15	2394	6.71	2480	7.34	2560	7.85										
5319	2800	2356	6.68	2440	7.31	2520	7.92	2598	8.54	2677	9.22	2752	9.76						
5699	3000	2410	7.30	2488	7.92	2565	8.57	2643	9.25	2716	9.88	2790	10.56	2863	11.29	2933	11.88		
6079	3200	2470	8.00	2542	8.62	2617	9.26	2688	9.93	2762	10.65	2834	11.36	2902	12.04	2971	12.77	3040	13.54
6459	3400	2537	8.78	2605	9.42	2671	10.05	2742	10.73	2811	11.43	2878	12.15	2948	12.92	3015	13.68	3079	14.40
6839	3600	2599	9.56	2671	10.27	2738	10.96	2799	11.62	2866	12.32	2932	13.05	2996	13.80	3060	14.57	3125	15.39
7219	3800	2659	10.37	2733	11.14	2802	11.89	2868	12.63	2927	13.33	2986	14.04	3050	14.80	3112	15.58	3173	16.36
7599	4000	2715	11.17	2793	12.03	2864	12.84	2931	13.64	2994	14.42	3052	15.17	3108	15.90	3167	16.68	3227	17.48
7979	4200	2769	11.95	2849	12.90	2923	13.81	2992	14.67	3057	15.51	3118	16.34	3176	17.15	3230	17.92	3282	18.68
8359	4400	2832	12.87	2903	13.76	2979	14.77	3051	15.72	3118	16.64	3180	17.51	3239	18.38	3297	19.25	3350	20.07

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I.

SIZE 200

WHEEL DIA. 20"

OUTLET AREA 2.30 SQ FT

LIMIT LOAD HP = 1.37 ($\frac{\text{RPM}}{1,000}$)³

SINGLE WIDTH
SINGLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1839	800	530	0.13	598	0.18	662	0.23	724	0.28										
2069	900	556	0.15	626	0.21	684	0.26	742	0.32	797	0.38								
2299	1000	584	0.18	654	0.24	710	0.30	763	0.36	816	0.43	866	0.50						
2529	1100	619	0.21	681	0.28	740	0.35	789	0.41	837	0.48	885	0.55	931	0.62				
2759	1200	655	0.26	708	0.32	768	0.40	819	0.47	863	0.54	908	0.61	951	0.69	1036	0.85		
2989	1300	691	0.30	741	0.37	793	0.45	848	0.53	893	0.61	933	0.68	975	0.76	1055	0.93	1132	1.11
3219	1400	728	0.35	777	0.43	822	0.50	874	0.59	922	0.68	964	0.76	1000	0.84	1076	1.01	1151	1.20
3449	1500	766	0.41	813	0.49	855	0.56	900	0.65	949	0.75	992	0.85	1031	0.93	1101	1.11	1172	1.30
3679	1600	805	0.48	849	0.56	891	0.64	930	0.73	974	0.82	1020	0.93	1060	1.03	1129	1.22	1196	1.40
3909	1700	844	0.55	886	0.64	927	0.73	965	0.81	1002	0.91	1045	1.01	1087	1.13	1160	1.33	1221	1.52
4139	1800	884	0.63	924	0.72	963	0.82	1000	0.91	1035	1.00	1072	1.11	1113	1.22	1188	1.45	1252	1.66
4369	1900	925	0.73	963	0.82	1000	0.91	1036	1.01	1070	1.11	1103	1.21	1139	1.32	1216	1.57	1281	1.81
4599	2000	967	0.83	1001	0.92	1037	1.02	1073	1.13	1106	1.23	1137	1.32	1169	1.44	1241	1.69	1309	1.95
4829	2100	1011	0.95	1041	1.03	1076	1.14	1109	1.25	1142	1.36	1173	1.46	1203	1.57	1266	1.82	1336	2.10
5059	2200	1054	1.08	1081	1.16	1114	1.27	1146	1.38	1178	1.49	1209	1.61	1238	1.71	1295	1.96	1362	2.24
5289	2300	1099	1.22	1122	1.30	1153	1.41	1184	1.52	1215	1.64	1245	1.76	1273	1.88	1328	2.11	1387	2.39
5519	2400	1143	1.37	1163	1.44	1192	1.55	1223	1.67	1251	1.80	1281	1.92	1310	2.05	1363	2.28	1416	2.55
5750	2500	1187	1.54	1206	1.61	1232	1.72	1261	1.84	1290	1.97	1318	2.09	1346	2.23	1398	2.48	1449	2.74
5979	2600	1232	1.71	1250	1.79	1273	1.89	1300	2.01	1328	2.15	1355	2.28	1382	2.42	1434	2.68	1483	2.93
6439	2800	1319	2.10	1338	2.20	1355	2.28	1380	2.41	1405	2.55	1432	2.69	1456	2.83	1507	3.12	1554	3.41
6899	3000	1400	2.51	1427	2.67	1443	2.75	1461	2.86	1484	3.00	1509	3.15	1533	3.30	1579	3.61	1626	3.92
7359	3200	1483	2.97	1516	3.19	1531	3.29	1545	3.38	1565	3.52	1587	3.66	1610	3.83	1655	4.15	1699	4.48

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3219	1400	1222	1.39																
3449	1500	1240	1.50	1307	1.71														
3679	1600	1261	1.61	1325	1.82	1388	2.05	1448	2.25										
3909	1700	1284	1.73	1346	1.96	1406	2.18	1465	2.42	1522	2.64								
4139	1800	1309	1.87	1369	2.09	1427	2.33	1484	2.57	1540	2.81	1594	3.07						
4369	1900	1338	2.02	1394	2.25	1450	2.48	1505	2.73	1559	2.99	1611	3.24	1714	3.74				
4599	2000	1369	2.19	1421	2.41	1475	2.65	1527	2.90	1580	3.17	1632	3.44	1732	3.98				
4829	2100	1397	2.35	1453	2.60	1501	2.84	1552	3.09	1603	3.35	1653	3.63	1750	4.18	1845	4.79		
5059	2200	1426	2.53	1481	2.79	1532	3.05	1578	3.29	1627	3.56	1675	3.83	1771	4.42	1862	5.00	1952	5.62
5289	2300	1452	2.69	1509	2.98	1561	3.26	1609	3.53	1653	3.78	1700	4.06	1792	4.64	1882	5.26	1969	5.88
5519	2400	1477	2.86	1537	3.18	1590	3.47	1639	3.76	1684	4.04	1726	4.30	1816	4.89	1903	5.52	1988	6.16
5750	2500	1503	3.04	1563	3.37	1618	3.69	1668	4.00	1714	4.30	1756	4.58	1841	5.16	1925	5.78	2010	6.46
5979	2600	1532	3.23	1587	3.56	1644	3.91	1696	4.24	1743	4.55	1787	4.86	1866	5.44	1950	6.08	2030	6.74
6439	2800	1599	3.68	1644	4.00	1694	4.34	1749	4.73	1798	5.09	1844	5.43	1928	6.10	2001	6.72	2078	7.40
6899	3000	1669	4.22	1711	4.51	1754	4.85	1800	5.22	1849	5.62	1898	6.02	1985	6.76	2063	7.48	2132	8.15
7359	3200	1742	4.82	1782	5.13	1822	5.44	1861	5.80	1903	6.18	1948	6.59	2040	7.44	2120	8.23	2193	9.00
7819	3400	1815	5.46	1855	5.81	1892	6.15	1930	6.47	1967	6.85	2005	7.24	2090	8.11	2175	9.01	2250	9.85
8279	3600	1887	6.15	1927	6.54	1965	6.91	2001	7.27	2036	7.61	2071	7.99	2144	8.84	2226	9.78	2305	10.73
8739	3800	1963	6.93	2000	7.32	2038	7.72	2073	8.11	2107	8.49	2140	8.86	2207	9.68	2278	10.58	2357	11.59
9199	4000	2040	7.78	2075	8.19	2110	8.60	2146	9.02	2180	9.43	2212	9.83	2275	10.60	2338	11.51	2408	12.48
9659	4200	2117	8.70	2152	9.13	2184	9.55	2218	9.98	2252	10.43	2285	10.86	2346	11.70	2406	12.53	2466	13.49
10119	4400	2195	9.69	2229	10.14	2261	10.59	2292	11.03	2325	11.49	2357	11.95	2418	12.86	2476	13.71	2533	14.63
10579	4600	2274	10.78	2306	11.24	2338	11.71	2369	12.18	2399	12.64	2430	13.12	2491	14.08	2547	15.01	2603	15.89

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5519	2400	2072	6.83	2152	7.45														
5979	2600	2111	7.45	2187	8.12	2264	8.88	2338	9.53										
6439	2800	2153	8.10	2229	8.86	2302	9.60	2373	10.34	2445	11.16	2513	11.85						
6899	3000	2203	8.86	2274	9.60	2344	10.37	2414	11.20	2481	11.98	2547	12.78	2614	13.66	2679	14.42		
7359	3200	2259	9.72	2324	10.46	2392	11.24	2457	12.04	2523	12.90	2589	13.78	2651	14.60	2713	15.45	2776	16.39
7819	3400	2320	10.66	2383	11.44	2442	12.19	2507	13.02	2569	13.87	2630	14.72	2693	15.65	2755	16.58	2813	17.45
8279	3600	2377	11.62	2443	12.48	2505	13.32	2560	14.11	2619	14.96	2680	15.83	2738	16.73	2796	17.65	2855	18.64
8739	3800	2432	12.59	2499	13.53	2563	14.44	2623	15.35	2677	16.19	2730	17.03	2788	17.96	2845	18.89	2900	19.85
9199	4000	2483	13.55	2554	14.60	2619	15.60	2680	16.56	2738	17.52	2792	18.44	2843	19.32	2895	20.24	2950	21.21
9659	4200	2533	14.52	2605	15.66	2673	16.77	2737	17.82	2795	18.84	2851	19.84	2906	20.84	2954	21.77	3002	22.69
10119	4400	2591	15.65	2656	16.72	2724	17.92	2790	19.09	2852	20.21	2908	21.27	2963	22.33	3015	23.38	3065	24.39

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE **222**

SINGLE WIDTH
SINGLE INLET

CENTRIFUGAL FAN TYPE B.I.

WHEEL DIA. 22 1/4"

OUTLET AREA 2.83 SQ FT

LIMIT LOAD HP = 1.45 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2263	800	465	0.15	517	0.20	563	0.25	609	0.31	652	0.37	692	0.43	731	0.49	807	0.63	880	0.78
2546	900	493	0.17	547	0.24	590	0.29	631	0.35	672	0.41	712	0.48	749	0.55	818	0.69	886	0.84
2829	1000	525	0.21	576	0.28	619	0.34	658	0.40	695	0.47	732	0.54	768	0.61	836	0.76	899	0.92
3112	1100	561	0.26	604	0.32	650	0.40	687	0.47	722	0.53	756	0.60	790	0.68	855	0.84	917	1.01
3395	1200	600	0.32	635	0.37	678	0.45	718	0.54	751	0.61	783	0.68	814	0.76	876	0.92	936	1.10
3678	1300	639	0.38	669	0.44	705	0.51	746	0.60	782	0.69	812	0.77	842	0.85	900	1.02	957	1.20
3961	1400	681	0.46	708	0.52	738	0.59	774	0.67	810	0.77	843	0.87	871	0.95	926	1.12	980	1.31
4244	1500	724	0.55	747	0.61	773	0.67	803	0.75	838	0.86	872	0.96	902	1.06	955	1.24	1005	1.43
4527	1600	766	0.66	786	0.71	811	0.78	837	0.85	866	0.94	900	1.06	931	1.17	985	1.38	1034	1.57
4810	1700	809	0.77	828	0.83	850	0.89	872	0.97	899	1.06	928	1.16	959	1.28	1016	1.52	1063	1.72
5093	1800	852	0.90	871	0.96	889	1.02	911	1.10	934	1.18	959	1.28	987	1.40	1044	1.65	1094	1.89
5376	1900	896	1.04	913	1.11	930	1.17	950	1.25	970	1.33	993	1.43	1017	1.53	1073	1.79	1124	2.06
5659	2000	940	1.21	956	1.28	972	1.34	989	1.41	1009	1.50	1028	1.58	1051	1.69	1100	1.94	1152	2.22
5942	2100	985	1.40	999	1.46	1015	1.53	1030	1.59	1048	1.68	1067	1.77	1086	1.86	1129	2.09	1180	2.39
6225	2200	1030	1.60	1042	1.65	1057	1.73	1072	1.80	1087	1.87	1105	1.97	1123	2.06	1163	2.29	1208	2.56
6508	2300	1075	1.82	1086	1.86	1100	1.95	1114	2.02	1128	2.09	1144	2.18	1161	2.28	1197	2.50	1236	2.75
6791	2400	1120	2.06	1130	2.10	1143	2.18	1157	2.26	1170	2.33	1184	2.41	1200	2.52	1232	2.72	1270	2.98
7074	2500	1165	2.32	1175	2.36	1186	2.43	1199	2.52	1212	2.60	1225	2.67	1240	2.77	1271	2.99	1305	3.23
7357	2600	1210	2.60	1219	2.64	1229	2.70	1242	2.80	1255	2.89	1267	2.97	1279	3.04	1310	3.27	1339	3.49
7923	2800	1301	3.24	1309	3.28	1318	3.33	1328	3.42	1340	3.52	1352	3.61	1363	3.69	1388	3.89	1416	4.13
8489	3000	1391	3.97	1399	4.02	1407	4.06	1415	4.11	1426	4.23	1437	4.34	1448	4.44	1469	4.61	1494	4.86
9055	3200	1482	4.80	1490	4.85	1497	4.90	1504	4.95	1513	5.03	1523	5.16	1533	5.27	1554	5.47	1573	5.66

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3395	1200	992	1.28	1045	1.46	1097	1.66	1148	1.85	1198	2.06	1247	2.28	1348	2.88	1437	3.38		
3678	1300	1012	1.39	1064	1.59	1113	1.78	1162	1.99	1209	2.20	1256	2.42	1356	3.04	1441	3.53	1525	4.07
3961	1400	1033	1.50	1084	1.71	1133	1.92	1179	2.13	1224	2.35	1269	2.57	1369	3.22	1450	3.72	1530	4.25
4244	1500	1055	1.63	1105	1.84	1153	2.06	1199	2.29	1243	2.52	1286	2.74	1385	3.41	1463	3.92	1539	4.46
4527	1600	1081	1.77	1127	1.98	1174	2.21	1219	2.45	1263	2.69	1305	2.93	1385	3.41	1463	3.92	1539	4.46
4810	1700	1108	1.93	1153	2.15	1196	2.37	1240	2.62	1283	2.86	1325	3.12	1404	3.63	1478	4.14	1552	4.69
5093	1800	1137	2.10	1180	2.33	1222	2.56	1263	2.80	1305	3.05	1345	3.31	1424	3.85	1498	4.39	1567	4.93
5376	1900	1168	2.29	1209	2.52	1249	2.76	1289	3.00	1328	3.25	1367	3.52	1444	4.07	1517	4.64	1587	5.21
5659	2000	1199	2.49	1239	2.73	1278	2.98	1316	3.23	1353	3.48	1391	3.74	1465	4.30	1537	4.89	1606	5.49
5942	2100	1227	2.68	1270	2.96	1307	3.21	1344	3.47	1380	3.73	1416	4.00	1487	4.55	1558	5.15	1626	5.78
6225	2200	1256	2.87	1300	3.18	1338	3.46	1374	3.72	1409	3.99	1444	4.27	1512	4.83	1580	5.43	1646	6.07
6508	2300	1283	3.07	1328	3.40	1369	3.72	1405	4.00	1439	4.27	1473	4.56	1538	5.13	1604	5.73	1668	6.38
6791	2400	1311	3.28	1356	3.62	1397	3.96	1436	4.28	1470	4.57	1502	4.86	1566	5.45	1629	6.07	1691	6.70
7074	2500	1341	3.50	1383	3.85	1425	4.20	1464	4.55	1501	4.89	1533	5.19	1595	5.79	1656	6.41	1716	7.07
7357	2600	1375	3.78	1411	4.08	1453	4.46	1493	4.83	1530	5.19	1564	5.53	1625	6.15	1684	6.80	1742	7.45
7923	2800	1444	4.37	1477	4.69	1509	4.98	1548	5.39	1586	5.79	1621	6.19	1687	6.93	1743	7.60	1799	8.29
8489	3000	1520	5.11	1546	5.36	1577	5.70	1607	6.03	1641	6.42	1677	6.86	1745	7.70	1805	8.50	1858	9.22
9055	3200	1598	5.94	1622	6.22	1646	6.47	1675	6.84	1703	7.18	1733	7.56	1801	8.48	1864	9.38	1920	10.24
9621	3400	1677	6.85	1700	7.16	1723	7.45	1745	7.72	1772	8.09	1799	8.46	1856	9.29	1919	10.26	1978	11.22
10187	3600	1760	7.93	1779	8.18	1801	8.51	1823	8.81	1844	9.10	1868	9.47	1918	10.26	1975	11.18	2034	12.21
10753	3800	1844	9.15	1861	9.37	1880	9.65	1900	9.99	1921	10.32	1941	10.63	1987	11.40	2034	12.23	2089	13.25
11319	4000	1929	10.49	1945	10.73	1961	10.96	1979	11.27	1999	11.63	2018	11.97	2056	12.62	2103	13.52	2147	14.38
11885	4200	2014	11.95	2030	12.22	2045	12.47	2060	12.71	2078	13.03	2097	13.41	2134	14.13	2172	14.87	2216	15.81

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5093	1800	1637	5.51	1705	6.10	1773	6.73	1838	7.37	1905	8.04	1969	8.74						
5376	1900	1653	5.79	1719	6.40	1783	7.01	1848	7.67	1911	8.34	1973	9.02	2035	9.75	2096	10.49		
5659	2000	1672	6.10	1735	6.70	1798	7.34	1859	7.99	1920	8.66	1981	9.36	2040	10.07	2099	10.82	2158	11.58
6225	2200	1711	6.72	1774	7.39	1834	8.05	1891	8.71	1948	9.40	2005	10.11	2060	10.82	2116	11.57	2171	12.35
6791	2400	1753	7.38	1813	8.08	1873	8.80	1930	9.52	1985	10.25	2038	10.97	2090	11.69	2143	12.47	2195	13.24
7357	2600	1800	8.13	1857	8.83	1914	9.59	1970	10.34	2024	11.12	2077	11.91	2129	12.69	2179	13.47	2227	14.26
7923	2800	1852	8.99	1907	9.72	1960	10.45	2013	11.23	2066	12.04	2117	12.85	2168	13.69	2218	14.54	2266	15.38
8489	3000	1910	9.95	1961	10.70	2011	11.45	2062	12.25	2111	13.03	2161	13.88	2210	14.75	2258	15.61	2306	16.51
9055	3200	1971	11.01	2019	11.77	2068	12.58	2114	13.37	2162	14.19	2209	15.04	2255	15.87	2302	16.78	2348	17.71
9621	3400	2033	12.15	2080	12.97	2126	13.78	2172	14.62	2217	15.47	2261	16.30	2306	17.20	2350	18.10	2393	18.98
10187	3600	2089	13.23	2142	14.23	2188	15.11	2232	15.97	2275	16.83	2318	17.74	2360	18.63	2401	19.52	2444	20.48
10753	3800	2146	14.34	2198	15.41	2249	16.47	2294	17.43	2336	18.34	2377	19.24	2418	20.18	2458	21.13	2498	22.08
11319	4000	2201	15.48	2254	16.63	2305	17.76	2353	18.88	2398	19.93	2438	20.90	2478	21.86	2517	22.80	2556	23.81

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I. SIZE 245

WHEEL DIA. 24 1/2"

OUTLET AREA 3.46 SQ FT

SINGLE WIDTH
SINGLE INLET

LIMIT LOAD HP = 2.35 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2767	800	422	0.18	469	0.24	511	0.30	552	0.37	591	0.45	627	0.52	663	0.60	731	0.77	797	0.95
3113	900	448	0.21	496	0.29	535	0.36	573	0.43	610	0.51	645	0.59	679	0.67	742	0.84	803	1.03
3459	1000	477	0.26	522	0.34	562	0.42	597	0.49	631	0.57	664	0.66	697	0.75	758	0.93	815	1.12
3805	1100	510	0.32	548	0.39	589	0.49	623	0.57	655	0.65	686	0.74	716	0.83	776	1.03	831	1.23
4151	1200	545	0.39	577	0.46	615	0.55	651	0.66	681	0.74	710	0.84	739	0.93	795	1.13	849	1.35
4497	1300	581	0.47	608	0.54	640	0.63	677	0.74	709	0.85	737	0.94	764	1.04	816	1.24	868	1.47
4843	1400	619	0.57	643	0.63	670	0.72	702	0.83	735	0.95	765	1.06	791	1.16	840	1.38	889	1.60
5189	1500	658	0.68	678	0.75	702	0.82	729	0.92	761	1.05	791	1.18	819	1.30	866	1.52	912	1.75
5535	1600	696	0.81	715	0.87	737	0.95	760	1.05	786	1.16	817	1.30	845	1.44	894	1.69	938	1.93
5881	1700	736	0.95	753	1.02	772	1.10	792	1.19	816	1.30	842	1.42	871	1.57	922	1.86	965	2.11
6227	1800	775	1.11	791	1.19	808	1.26	828	1.35	848	1.45	871	1.57	896	1.71	948	2.03	993	2.31
6573	1900	814	1.28	830	1.37	845	1.44	863	1.53	881	1.63	902	1.75	923	1.88	973	2.19	1020	2.52
6919	2000	855	1.49	869	1.57	884	1.65	899	1.73	917	1.84	934	1.94	954	2.07	998	2.37	1045	2.72
7265	2100	896	1.72	908	1.79	922	1.88	936	1.95	952	2.06	969	2.17	986	2.28	1025	2.56	1071	2.92
7611	2200	936	1.97	947	2.03	961	2.13	974	2.21	988	2.30	1004	2.42	1020	2.53	1056	2.81	1096	3.14
7957	2300	977	2.24	987	2.29	1000	2.39	1013	2.48	1025	2.57	1040	2.68	1055	2.80	1087	3.06	1123	3.37
8303	2400	1018	2.54	1027	2.58	1039	2.68	1051	2.78	1063	2.87	1076	2.96	1091	3.10	1119	3.34	1154	3.66
8649	2500	1059	2.86	1068	2.91	1078	2.99	1090	3.10	1102	3.20	1113	3.29	1126	3.41	1154	3.67	1185	3.96
8995	2600	1100	3.21	1108	3.26	1117	3.33	1129	3.45	1140	3.55	1151	3.65	1162	3.74	1190	4.02	1216	4.28
9687	2800	1183	3.99	1190	4.04	1198	4.09	1207	4.20	1218	4.33	1228	4.44	1239	4.54	1261	4.78	1286	5.08
10379	3000	1265	4.89	1272	4.95	1279	5.00	1286	5.06	1296	5.21	1306	5.34	1316	5.46	1335	5.67	1357	5.96
11071	3200	1347	5.92	1354	5.98	1361	6.04	1367	6.10	1375	6.19	1384	6.34	1393	6.48	1412	6.73	1430	6.95

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4151	1200	900	1.57	947	1.79	995	2.02	1040	2.26	1086	2.52	1130	2.78						
4497	1300	918	1.70	965	1.94	1010	2.18	1053	2.43	1096	2.68	1138	2.95	1221	3.52	1302	4.13		
4843	1400	936	1.84	983	2.09	1027	2.35	1069	2.61	1110	2.87	1150	3.14	1229	3.71	1306	4.32	1382	4.97
5189	1500	957	1.99	1002	2.25	1045	2.52	1087	2.80	1127	3.08	1166	3.35	1241	3.93	1314	4.54	1386	5.19
5535	1600	980	2.17	1022	2.43	1064	2.71	1105	2.99	1145	3.29	1183	3.58	1255	4.17	1326	4.79	1395	5.44
5881	1700	1006	2.37	1046	2.63	1085	2.90	1125	3.20	1163	3.50	1201	3.81	1273	4.44	1340	5.06	1407	5.73
6227	1800	1032	2.58	1070	2.85	1108	3.13	1146	3.42	1183	3.73	1220	4.05	1291	4.71	1358	5.37	1421	6.03
6573	1900	1060	2.81	1097	3.09	1133	3.38	1169	3.68	1204	3.98	1240	4.30	1309	4.97	1376	5.67	1439	6.37
6919	2000	1088	3.05	1124	3.35	1159	3.65	1194	3.95	1228	4.26	1262	4.58	1329	5.27	1394	5.98	1457	6.72
7265	2100	1114	3.29	1152	3.62	1186	3.93	1220	4.25	1253	4.56	1285	4.89	1349	5.56	1413	6.30	1474	7.06
7611	2200	1139	3.52	1179	3.90	1214	4.24	1247	4.56	1279	4.89	1310	5.22	1372	5.92	1433	6.64	1493	7.42
7957	2300	1165	3.76	1205	4.16	1243	4.55	1275	4.90	1306	5.23	1336	5.58	1395	6.28	1455	7.02	1513	7.80
8303	2400	1190	4.01	1230	4.43	1268	4.85	1303	5.25	1334	5.60	1363	5.95	1421	6.68	1478	7.43	1534	8.20
8649	2500	1217	4.30	1256	4.71	1294	5.15	1329	5.58	1362	5.99	1391	6.36	1448	7.10	1502	7.86	1557	8.65
8995	2600	1248	4.64	1281	5.00	1319	5.46	1354	5.91	1388	6.36	1419	6.77	1475	7.54	1528	8.32	1580	9.12
9687	2800	1311	5.36	1341	5.75	1370	6.11	1405	6.60	1439	7.09	1471	7.58	1531	8.49	1582	9.32	1632	10.16
10379	3000	1381	6.28	1404	6.58	1432	6.99	1459	7.39	1490	7.87	1522	8.40	1583	9.43	1638	10.42	1687	11.30
11071	3200	1452	7.30	1474	7.63	1495	7.95	1521	8.39	1547	8.81	1573	9.25	1634	10.38	1691	11.49	1743	12.54
11763	3400	1523	8.41	1545	8.79	1565	9.15	1585	9.48	1609	9.92	1633	10.38	1684	11.38	1742	12.57	1795	13.74
12455	3600	1599	9.75	1616	10.05	1636	10.45	1656	10.82	1675	11.18	1696	11.61	1742	12.59	1792	13.70	1846	14.96
13147	3800	1676	11.25	1691	11.52	1708	11.86	1726	12.28	1745	12.67	1763	13.06	1804	13.99	1847	15.00	1896	16.23
13839	4000	1753	12.90	1768	13.20	1782	13.48	1798	13.84	1816	14.28	1834	14.71	1868	15.50	1909	16.58	1950	17.64
14531	4200	1831	14.69	1845	15.02	1858	15.33	1872	15.63	1888	16.01	1905	16.48	1938	17.35	1972	18.25	2012	19.40

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6227	1800	1484	6.74	1545	7.45	1607	8.22	1666	9.00	1726	9.82	1784	10.67						
6573	1900	1498	7.07	1558	7.82	1616	8.57	1675	9.37	1732	10.18	1787	11.02	1844	11.91	1899	12.81		
6919	2000	1516	7.46	1573	8.19	1630	8.97	1685	9.76	1740	10.58	1795	11.44	1849	12.30	1902	13.20	1955	14.14
7611	2200	1552	8.22	1608	9.03	1662	9.84	1715	10.65	1766	11.49	1817	12.36	1867	13.23	1917	14.14	1967	15.08
8303	2400	1590	9.03	1644	9.88	1698	10.76	1750	11.64	1800	12.53	1848	13.41	1895	14.30	1943	15.24	1990	16.18
8995	2600	1633	9.95	1684	10.80	1736	11.72	1786	12.64	1836	13.60	1884	14.56	1930	15.52	1976	16.48	2020	17.43
9687	2800	1681	11.01	1730	11.89	1778	12.79	1826	13.74	1873	14.72	1920	15.71	1966	16.74	2011	17.77	2055	18.81
10379	3000	1733	12.19	1779	13.10	1824	14.02	1870	14.99	1915	15.95	1960	16.98	2004	18.04	2048	19.09	2091	20.19
11071	3200	1788	13.49	1832	14.42	1876	15.40	1918	16.37	1961	17.37	2004	18.41	2045	19.43	2087	20.53	2129	21.66
11763	3400	1845	14.88	1888	15.89	1930	16.88	1971	17.91	2012	18.94	2051	19.97	2092	21.05	2132	22.15	2171	23.24
12455	3600	1896	16.20	1944	17.42	1986	18.51	2025	19.57	2064	20.62	2103	21.72	2141	22.82	2178	23.90	2217	25.07
13147	3800	1947	17.56	1995	18.87	2040	20.16	2082	21.36	2120	22.48	2157	23.58	2194	24.72	2231	25.88	2267	27.03
13839	4000	1997	18.97	2046	20.37	2091	21.75	2135	23.12	2176	24.43	2213	25.61	2249	26.78	2284	27.94	2319	29.16

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE **270**

CENTRIFUGAL FAN TYPE B.I.

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 27"

OUTLET AREA 4.20 SQ FT

LIMIT LOAD HP = 3.82 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3359	800	383	0.22	425	0.29	464	0.37	501	0.45	537	0.54	569	0.63	602	0.73	664	0.93	724	1.15
3779	900	406	0.26	450	0.35	485	0.43	520	0.52	553	0.61	586	0.71	616	0.81	673	1.02	729	1.25
4199	1000	433	0.31	474	0.41	510	0.51	541	0.60	572	0.70	603	0.80	632	0.91	688	1.13	739	1.36
4619	1100	462	0.38	497	0.48	535	0.59	565	0.69	594	0.79	622	0.90	650	1.01	704	1.25	754	1.49
5039	1200	495	0.47	523	0.56	558	0.67	591	0.80	618	0.90	645	1.01	670	1.13	721	1.37	770	1.63
5459	1300	527	0.57	552	0.65	581	0.76	614	0.90	644	1.03	669	1.14	693	1.26	741	1.51	787	1.78
5879	1400	562	0.69	583	0.77	608	0.87	637	1.00	667	1.15	694	1.29	718	1.41	762	1.67	806	1.94
6299	1500	597	0.83	616	0.90	637	1.00	662	1.12	690	1.27	718	1.43	743	1.58	786	1.85	828	2.13
6719	1600	632	0.98	648	1.05	668	1.16	690	1.27	713	1.40	741	1.58	767	1.74	811	2.05	851	2.34
7139	1700	667	1.16	683	1.24	701	1.33	719	1.44	741	1.58	764	1.73	790	1.91	837	2.26	875	2.56
7559	1800	703	1.35	718	1.44	733	1.52	751	1.64	769	1.76	790	1.91	813	2.08	860	2.46	901	2.81
7979	1900	739	1.56	753	1.66	767	1.75	783	1.86	800	1.98	818	2.12	838	2.28	883	2.66	926	3.06
8399	2000	776	1.81	788	1.91	802	2.00	816	2.10	832	2.23	847	2.35	866	2.52	906	2.88	949	3.30
8819	2100	813	2.08	824	2.17	837	2.28	849	2.37	864	2.50	879	2.63	895	2.77	930	3.11	972	3.55
9239	2200	850	2.39	859	2.46	872	2.58	884	2.68	896	2.79	911	2.93	925	3.07	958	3.41	995	3.81
9659	2300	887	2.72	895	2.77	907	2.90	919	3.01	930	3.11	943	3.25	957	3.40	986	3.72	1019	4.09
10079	2400	924	3.08	932	3.13	943	3.26	954	3.38	965	3.48	976	3.59	990	3.76	1016	4.05	1047	4.44
10499	2500	961	3.47	969	3.52	978	3.63	989	3.76	1000	3.88	1010	3.99	1022	4.13	1048	4.45	1075	4.81
10919	2600	998	3.89	1006	3.95	1014	4.03	1024	4.18	1035	4.31	1045	4.43	1055	4.53	1080	4.88	1104	5.20
11759	2800	1073	4.84	1080	4.90	1087	4.97	1095	5.10	1105	5.25	1115	5.39	1124	5.51	1144	5.80	1167	6.16
12599	3000	1148	5.93	1154	6.00	1161	6.07	1167	6.14	1176	6.32	1185	6.48	1194	6.62	1211	6.88	1232	7.24
13439	3200	1223	7.18	1229	7.26	1235	7.33	1241	7.40	1247	7.51	1256	7.70	1264	7.86	1281	8.17	1297	8.44

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5039	1200	816	1.90	860	2.17	903	2.46	944	2.75	986	3.06	1026	3.38	1108	4.27	1182	5.01		
5459	1300	833	2.06	876	2.35	916	2.65	956	2.95	994	3.26	1033	3.58	1108	4.27	1182	5.01	1254	6.03
5879	1400	850	2.23	892	2.54	932	2.85	970	3.17	1007	3.48	1044	3.82	1115	4.51	1185	5.24	1254	6.30
6299	1500	868	2.42	909	2.74	948	3.06	987	3.40	1023	3.73	1058	4.07	1126	4.77	1193	5.52	1258	6.30
6719	1600	890	2.64	928	2.95	966	3.29	1003	3.63	1039	3.99	1074	4.35	1139	5.06	1204	5.82	1266	6.61
7139	1700	912	2.87	949	3.19	985	3.53	1021	3.88	1056	4.25	1090	4.63	1155	5.39	1216	6.15	1277	6.96
7559	1800	936	3.13	971	3.46	1006	3.80	1040	4.15	1074	4.53	1107	4.91	1172	5.71	1232	6.52	1290	7.32
7979	1900	962	3.41	995	3.75	1028	4.10	1061	4.46	1093	4.83	1125	5.22	1188	6.04	1248	6.89	1306	7.74
8399	2000	987	3.71	1020	4.06	1052	4.42	1083	4.79	1114	5.17	1145	5.56	1206	6.39	1265	7.26	1322	8.15
8819	2100	1011	3.99	1046	4.40	1077	4.77	1107	5.15	1137	5.54	1166	5.94	1224	6.75	1282	7.65	1338	8.57
9239	2200	1034	4.27	1070	4.73	1102	5.14	1131	5.53	1160	5.93	1189	6.34	1245	7.18	1300	8.06	1355	9.01
9659	2300	1057	4.57	1093	5.05	1128	5.52	1157	5.94	1185	6.35	1213	6.77	1266	7.62	1320	8.52	1373	9.47
10079	2400	1080	4.87	1117	5.38	1151	5.88	1183	6.37	1210	6.80	1237	7.22	1290	8.11	1341	9.01	1392	9.95
10499	2500	1105	5.21	1139	5.78	1174	6.25	1206	6.77	1236	7.27	1262	7.72	1314	8.61	1363	9.53	1413	10.50
10919	2600	1133	5.63	1162	6.07	1197	6.63	1229	7.17	1260	7.71	1288	8.22	1338	9.15	1387	10.10	1434	11.06
11759	2800	1190	6.51	1217	6.98	1243	7.42	1275	8.02	1306	8.61	1335	9.20	1389	10.31	1436	11.31	1481	12.33
12599	3000	1253	7.62	1274	7.99	1299	8.49	1324	8.97	1352	9.55	1381	10.19	1437	11.45	1487	12.64	1530	13.71
13439	3200	1317	8.86	1337	9.26	1357	9.65	1380	10.18	1404	10.70	1427	11.23	1483	12.60	1534	13.94	1582	15.23
14279	3400	1382	10.21	1402	10.67	1420	11.10	1439	11.51	1460	12.04	1482	12.60	1529	13.81	1581	15.26	1629	16.68
15119	3600	1451	11.84	1466	12.20	1485	12.68	1502	13.14	1520	13.57	1539	14.10	1581	15.27	1626	16.63	1675	18.16
15959	3800	1521	13.66	1534	13.98	1549	14.39	1567	14.90	1583	15.38	1600	15.84	1637	16.98	1676	18.21	1721	19.70
16799	4000	1591	15.65	1604	16.01	1617	16.36	1632	16.80	1648	17.33	1664	17.85	1695	18.81	1733	20.12	1769	21.41
17639	4200	1661	17.83	1674	18.23	1686	18.60	1699	18.96	1713	19.43	1728	20.00	1759	21.06	1790	22.15	1826	23.54

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7559	1800	1347	8.18	1402	9.05	1458	9.98	1512	10.92	1566	11.92	1619	12.95	1673	14.45	1723	15.54		
7979	1900	1360	8.59	1414	9.49	1467	10.40	1520	11.37	1572	12.36	1622	13.37	1673	14.45	1723	15.54	1775	17.17
8399	2000	1376	9.05	1427	9.94	1479	10.89	1529	11.85	1579	12.84	1629	13.88	1678	14.93	1726	16.03	1775	17.17
9239	2200	1408	9.98	1460	10.96	1509	11.95	1556	12.93	1603	13.95	1649	15.00	1694	16.05	1740	17.16	1786	18.31
10079	2400	1443	10.96	1492	11.99	1541	13.06	1588	14.13	1633	15.21	1677	16.28	1720	17.36	1763	18.50	1806	19.64
10919	2600	1482	12.08	1528	13.12	1575	14.23	1621	15.35	1666	16.51	1709	17.67	1752	18.84	1793	20.00	1833	21.16
11759	2800	1525	13.36	1570	14.42	1613	15.53	1657	16.67	1700	17.87	1742	19.07	1784	20.32	1825	21.58	1865	22.83
12599	3000	1573	14.79	1615	15.91	1656	17.02	1697	18.19	1737	19.36	1778	20.61	1819	21.89	1858	23.17	1897	24.50
13439	3200	1623	16.37	1663	17.50	1702	18.69	1741	19.87	1780	21.09	1818	22.34	1856	23.58	1894	24.92	1932	26.29
14279	3400	1674	18.06	1713	19.29	1751	20.49	1789	21.73	1825	22.99	1861	24.24	1898	25.56	1934	26.88	1970	28.20
15119	3600	1721	19.67	1764	21.15	1802	22.47	1838	23.75	1873	25.02	1909	26.37	1943	27.70	1977	29.01	2012	30.42
15959	3800	1767	21.31	1810	22.91	1852	24.47	1889	25.92	1924	27.28	1957	28.62	1991	30.00	2024	31.42	2057	32.81
16799	4000	1812	23.02	1856	24.72	1898	26.40	1938	28.06	1975	29.65	2008	31.09	2041	32.51	2072	33.91	2105	35.40

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I.

SIZE 300

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 30"

OUTLET AREA 5.15 SQ FT

LIMIT LOAD HP = 7.59 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4119	800	338	0.27	373	0.35	407	0.44	439	0.54	469	0.64	498	0.75						
4634	900	361	0.33	395	0.42	426	0.51	456	0.62	486	0.73	512	0.84	539	0.96				
5149	1000	387	0.40	419	0.51	447	0.61	475	0.71	502	0.82	529	0.95	554	1.07	601	1.34	649	1.63
5664	1100	413	0.49	442	0.60	470	0.72	495	0.82	521	0.94	545	1.06	571	1.20	616	1.47	659	1.77
6179	1200	440	0.58	467	0.70	494	0.84	519	0.96	542	1.08	565	1.20	588	1.33	633	1.63	674	1.93
6694	1300	466	0.69	493	0.83	518	0.96	543	1.11	565	1.23	586	1.36	607	1.50	649	1.79	692	2.11
7209	1400	495	0.81	520	0.97	543	1.10	566	1.25	589	1.41	609	1.55	629	1.68	669	1.98	708	2.30
7724	1500	525	0.96	547	1.12	569	1.27	591	1.42	613	1.59	633	1.75	652	1.90	689	2.20	726	2.52
8239	1600	555	1.13	574	1.28	596	1.46	616	1.61	636	1.77	657	1.96	676	2.13	711	2.44	746	2.77
8754	1700	585	1.32	602	1.46	623	1.66	642	1.83	662	1.99	680	2.17	700	2.37	734	2.72	767	3.05
9269	1800	615	1.52	632	1.68	650	1.87	669	2.07	687	2.24	705	2.42	723	2.61	759	3.01	790	3.36
9784	1900	645	1.76	662	1.91	676	2.09	696	2.32	714	2.51	731	2.69	748	2.88	783	3.31	814	3.70
10299	2000	676	2.02	692	2.18	706	2.36	723	2.58	741	2.80	757	2.99	774	3.19	806	3.61	838	4.06
10814	2100	706	2.30	722	2.47	736	2.64	750	2.85	768	3.10	784	3.32	799	3.52	830	3.94	862	4.42
11329	2200	737	2.61	752	2.78	766	2.97	779	3.17	794	3.42	811	3.67	826	3.88	856	4.31	885	4.78
11844	2300	768	2.94	782	3.13	796	3.32	809	3.52	821	3.75	838	4.02	853	4.27	881	4.72	909	5.18
12359	2400	799	3.31	813	3.51	826	3.71	838	3.89	850	4.13	865	4.39	880	4.68	908	5.15	935	5.62
12874	2500	830	3.71	843	3.92	856	4.11	868	4.32	880	4.54	891	4.78	907	5.09	934	5.62	961	6.10
13389	2600	861	4.14	874	4.35	887	4.55	898	4.78	910	4.98	921	5.24	933	5.52	962	6.11	987	6.62
14419	2800	923	5.10	935	5.32	947	5.55	959	5.77	970	6.01	980	6.24	990	6.51	1015	7.14	1040	7.75
15449	3000	985	6.20	997	6.43	1009	6.69	1020	6.92	1030	7.17	1040	7.42	1050	7.66	1069	8.23	1094	8.96
16479	3200	1048	7.44	1059	7.72	1070	7.97	1081	8.23	1091	8.47	1100	8.75	1110	9.01	1128	9.58	1148	10.24

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6179	1200	714	2.25	752	2.58														
6694	1300	729	2.43	766	2.78	801	3.14	839	3.52										
7209	1400	746	2.65	781	3.00	815	3.37	849	3.75	880	4.13	918	4.57						
7724	1500	762	2.87	799	3.25	831	3.61	863	4.01	895	4.42	925	4.83						
8239	1600	780	3.12	814	3.50	848	3.90	879	4.29	909	4.71	939	5.14	996	6.01				
8754	1700	800	3.41	832	3.78	864	4.19	897	4.61	926	5.03	954	5.46	1010	6.37	1063	7.30		
9269	1800	821	3.73	852	4.11	882	4.50	912	4.93	943	5.38	972	5.83	1025	6.74	1078	7.72	1128	8.70
9784	1900	843	4.07	872	4.46	901	4.87	930	5.28	959	5.73	988	6.21	1041	7.14	1092	8.13	1142	9.17
10299	2000	866	4.45	894	4.85	922	5.26	950	5.69	977	6.13	1004	6.59	1059	7.59	1108	8.57	1156	9.62
10814	2100	891	4.87	917	5.27	943	5.68	970	6.12	997	6.57	1023	7.04	1075	8.03	1126	9.09	1171	10.11
11329	2200	914	5.28	941	5.73	966	6.15	991	6.59	1017	7.05	1042	7.52	1091	8.49	1142	9.59	1189	10.68
11844	2300	938	5.70	965	6.21	990	6.66	1014	7.11	1038	7.57	1062	8.04	1111	9.04	1158	10.10	1206	11.25
12359	2400	961	6.12	989	6.68	1014	7.20	1038	7.66	1061	8.13	1084	8.61	1130	9.62	1176	10.67	1222	11.82
12874	2500	986	6.60	1012	7.16	1038	7.73	1062	8.25	1084	8.73	1106	9.22	1151	10.24	1196	11.31	1238	12.41
13389	2600	1012	7.12	1036	7.65	1062	8.27	1086	8.84	1109	9.37	1130	9.87	1172	10.90	1215	11.99	1258	13.12
14419	2800	1063	8.29	1087	8.83	1109	9.40	1133	10.04	1157	10.68	1178	11.28	1218	12.37	1258	13.47	1298	14.64
15449	3000	1117	9.59	1139	10.17	1161	10.75	1182	11.36	1203	12.00	1226	12.72	1267	14.02	1304	15.17	1341	16.36
16479	3200	1171	11.00	1192	11.67	1212	12.28	1233	12.90	1253	13.55	1273	14.19	1315	15.69	1353	17.06	1387	18.29
17509	3400	1224	12.47	1247	13.27	1266	13.97	1285	14.62	1305	15.29	1324	15.95	1361	17.37	1400	18.96	1436	20.42
18539	3600	1279	14.09	1300	14.94	1321	15.78	1339	16.52	1357	17.21	1375	17.92	1411	19.34	1447	20.88	1484	22.56
19569	3800	1339	16.01	1353	16.71	1374	17.65	1393	18.54	1411	19.32	1428	20.06	1463	21.54	1496	23.06	1531	24.71
20599	4000	1398	18.06	1413	18.86	1427	19.63	1446	20.61	1465	21.55	1482	22.39	1515	23.94	1548	25.49	1579	27.12
21629	4200	1458	20.45	1472	21.16	1486	21.97	1500	22.80	1518	23.83	1536	24.82	1568	26.55	1599	28.18	1631	29.80

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9784	1900	1189	10.20	1244	11.36														
10299	2000	1203	10.72	1248	11.81	1299	13.01												
11329	2200	1233	11.77	1276	12.94	1319	14.15	1360	15.35	1404	16.61								
12359	2400	1267	13.03	1309	14.20	1349	15.40	1389	16.68	1428	18.00	1467	19.31	1504	20.61	1547	22.07		
13389	2600	1299	14.30	1342	15.60	1384	16.91	1421	18.17	1458	19.47	1495	20.85	1532	22.27	1568	23.70	1602	25.11
14419	2800	1338	15.85	1376	17.09	1416	18.42	1455	19.83	1493	21.23	1528	22.59	1562	23.96	1597	25.45	1631	26.96
15449	3000	1378	17.59	1415	18.87	1452	20.19	1488	21.51	1525	22.99	1562	24.50	1598	26.01	1630	27.46	1662	28.91
16479	3200	1422	19.55	1457	20.85	1492	22.18	1527	23.58	1561	24.99	1594	26.42	1629	28.02	1664	29.63	1697	31.24
17509	3400	1469	21.73	1502	23.06	1534	24.41	1567	25.83	1600	27.28	1633	28.76	1664	30.26	1696	31.80	1729	33.50
18539	3600	1519	24.10	1549	25.50	1580	26.90	1611	28.32	1642	29.80	1672	31.29	1704	32.87	1734	34.43	1764	36.02
19569	3800	1566	26.49	1598	28.11	1628	29.62	1657	31.07	1686	32.58	1715	34.10	1745	35.68	1774	37.28	1803	38.94
20599	4000	1612	28.88	1645	30.75	1676	32.47	1705	34.09	1733	35.62	1761	37.19	1788	38.77	1816	40.41	1844	42.06
21629	4200	1661	31.52	1692	33.38	1724	35.37	1753	37.18	1782	38.92	1808	40.54	1834	42.15	1861	43.82	1887	45.47

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE **330**

CENTRIFUGAL FAN TYPE B.I.

SINGLE WIDTH
SINGLE INLET

WHEEL DIA. 33"

OUTLET AREA 6.26 SQ FT

LIMIT LOAD HP = 12.22 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5007	800	308	0.33	339	0.42	370	0.53	400	0.65	427	0.78	453	0.91						
5633	900	329	0.40	360	0.51	388	0.63	415	0.75	442	0.89	466	1.02	490	1.17	539	1.49		
6259	1000	352	0.49	382	0.62	407	0.74	432	0.87	457	1.00	482	1.15	504	1.30	547	1.63	590	1.97
6885	1100	376	0.59	403	0.73	429	0.87	451	1.00	474	1.15	497	1.29	520	1.46	561	1.79	600	2.15
7511	1200	401	0.72	426	0.86	451	1.02	473	1.17	493	1.31	515	1.47	535	1.62	577	1.98	614	2.34
8137	1300	427	0.85	450	1.01	472	1.17	495	1.35	515	1.50	534	1.66	553	1.83	591	2.17	630	2.57
8763	1400	453	1.00	474	1.18	495	1.35	516	1.53	537	1.72	555	1.89	573	2.05	609	2.41	644	2.80
9389	1500	479	1.17	499	1.37	519	1.55	539	1.73	558	1.94	577	2.14	594	2.31	628	2.68	661	3.07
10015	1600	506	1.38	525	1.58	543	1.78	562	1.97	580	2.17	599	2.39	616	2.60	648	2.98	679	3.38
10641	1700	534	1.61	551	1.81	569	2.03	586	2.23	603	2.43	620	2.65	638	2.89	669	3.31	699	3.72
11267	1800	561	1.86	577	2.06	594	2.30	610	2.52	627	2.74	643	2.95	659	3.18	691	3.67	720	4.10
11893	1900	589	2.15	604	2.34	620	2.59	636	2.84	651	3.06	667	3.29	682	3.52	713	4.07	742	4.52
12519	2000	617	2.47	631	2.67	646	2.90	661	3.17	676	3.42	690	3.66	705	3.89	734	4.40	764	4.95
13145	2100	645	2.82	659	3.03	672	3.24	687	3.53	701	3.80	715	4.06	729	4.30	757	4.81	785	5.39
13771	2200	673	3.20	686	3.41	699	3.63	713	3.91	727	4.21	740	4.48	753	4.75	780	5.26	807	5.83
14397	2300	701	3.61	714	3.83	726	4.07	739	4.32	753	4.63	765	4.94	778	5.22	804	5.76	829	6.32
15023	2400	729	4.05	742	4.30	754	4.54	765	4.77	778	5.10	791	5.42	803	5.72	828	6.29	852	6.86
15649	2500	757	4.55	770	4.80	782	5.04	792	5.29	804	5.59	817	5.92	829	6.25	852	6.87	876	7.46
16275	2600	786	5.08	798	5.34	809	5.57	820	5.85	830	6.10	843	6.47	855	6.81	877	7.47	900	8.08
17527	2800	843	6.26	854	6.52	865	6.80	875	7.07	885	7.36	895	7.63	906	8.03	928	8.77	949	9.46
18779	3000	900	7.60	910	7.89	921	8.20	931	8.48	940	8.78	949	9.08	958	9.37	980	10.20	999	10.99
20031	3200	957	9.13	967	9.46	977	9.76	986	10.09	996	10.37	1004	10.71	1013	11.04	1031	11.79	1051	12.65

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7511	1200	650	2.73	684	3.13														
8137	1300	663	2.96	697	3.38	729	3.81	762	4.27										
8763	1400	680	3.23	711	3.64	742	4.09	772	4.56	801	5.02	835	5.55						
9389	1500	694	3.50	727	3.95	756	4.40	785	4.87	814	5.37	842	5.87	902	6.95				
10015	1600	710	3.80	741	4.26	772	4.75	800	5.22	828	5.72	855	6.24	906	7.31				
10641	1700	728	4.15	758	4.61	787	5.09	816	5.61	843	6.12	868	6.63	919	7.75	968	8.87	0	0.0
11267	1800	748	4.54	776	5.00	803	5.48	831	6.00	858	6.55	885	7.09	933	8.19	981	9.38	1026	10.57
11893	1900	768	4.97	794	5.44	821	5.93	847	6.44	873	6.97	900	7.55	948	8.69	994	9.88	1039	11.14
12519	2000	789	5.43	814	5.91	840	6.41	865	6.93	890	7.46	914	8.02	964	9.24	1008	10.42	1052	11.70
13145	2100	812	5.94	835	6.43	859	6.93	883	7.46	908	8.01	931	8.57	979	9.77	1025	11.05	1066	12.29
13771	2200	833	6.44	858	6.99	880	7.51	903	8.03	926	8.59	949	9.17	994	10.34	1040	11.66	1083	12.99
14397	2300	855	6.95	880	7.57	902	8.12	924	8.67	946	9.22	968	9.80	1012	11.01	1054	12.28	1098	13.69
15023	2400	876	7.46	902	8.15	925	8.78	946	9.34	967	9.91	987	10.49	1030	11.72	1071	13.00	1112	14.38
15649	2500	899	8.06	923	8.73	946	9.43	968	10.06	988	10.65	1008	11.24	1048	12.48	1089	13.78	1128	15.12
16275	2600	922	8.70	944	9.34	968	10.08	990	10.78	1010	11.43	1030	12.04	1068	13.28	1107	14.60	1146	15.98
17527	2800	970	10.13	991	10.78	1011	11.48	1033	12.24	1054	13.03	1074	13.76	1110	15.09	1146	16.43	1182	17.84
18779	3000	1019	11.72	1038	12.43	1058	13.13	1078	13.87	1097	14.63	1117	15.51	1155	17.09	1188	18.51	1222	19.95
20031	3200	1069	13.47	1087	14.25	1106	15.00	1124	15.76	1143	16.53	1160	17.32	1198	19.14	1233	20.80	1265	22.31
21283	3400	1121	15.38	1138	16.24	1155	17.07	1172	17.86	1190	18.68	1207	19.48	1241	21.17	1277	23.13	1309	24.90
22535	3600	1172	17.44	1189	18.40	1205	19.31	1221	20.19	1238	21.03	1254	21.89	1287	23.61	1319	25.46	1353	27.52
23787	3800	1224	19.69	1241	20.71	1257	21.72	1272	22.68	1287	23.61	1302	24.51	1334	26.30	1364	28.15	1395	30.13
25039	4000	1276	22.11	1292	23.24	1308	24.30	1323	25.37	1337	26.38	1352	27.36	1381	29.24	1411	31.13	1440	33.10
26291	4200	1331	25.04	1344	25.92	1360	27.11	1375	28.21	1389	29.34	1403	30.40	1430	32.45	1459	34.42	1487	36.39

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11267	1800	1078	11.90																
11893	1900	1082	12.40	1131	13.79														
12519	2000	1095	13.03	1136	14.35	1181	15.80												
13771	2200	1122	14.30	1162	15.72	1201	17.19	1238	18.65	1277	20.16	1320	21.83						
15023	2400	1154	15.85	1192	17.28	1228	18.72	1264	20.27	1300	21.87	1335	23.47	1368	25.05	1406	26.79		
16275	2600	1183	17.39	1222	18.97	1260	20.56	1294	22.10	1327	23.67	1361	25.34	1394	27.06	1427	28.80	1458	30.52
17527	2800	1218	19.31	1253	20.81	1289	22.41	1325	24.12	1360	25.83	1391	27.48	1422	29.13	1453	30.94	1484	32.76
18779	3000	1256	21.44	1289	22.99	1323	24.58	1355	26.19	1389	27.97	1422	29.80	1454	31.63	1484	33.42	1513	35.17
20031	3200	1296	23.84	1327	25.41	1359	27.03	1391	28.72	1421	30.43	1451	32.14	1483	34.09	1515	36.04	1545	37.99
21283	3400	1339	26.51	1368	28.12	1398	29.76	1428	31.48	1457	33.24	1487	35.03	1516	36.86	1544	38.68	1574	40.76
22535	3600	1383	29.39	1412	31.11	1440	32.80	1467	34.53	1496	36.32	1523	38.13	1552	40.04	1580	41.94	1607	43.87
23787	3800	1427	32.31	1456	34.29	1484	36.14	1510	37.90	1536	39.73	1563	41.56	1589	43.49	1616	45.41	1643	47.43
25039	4000	1469	35.21	1500	37.51	1528	39.61	1554	41.59	1579	43.46	1604	45.35	1629	47.28	1655	49.25	1680	51.27

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer).
Class II ratings are shown in shaded area.
Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I. SIZE 365

WHEEL DIA. 36 1/2"
OUTLET AREA 7.66 SQ FT

LIMIT LOAD HP = 18.6 (RPM/1,000)³

SINGLE WIDTH
SINGLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6127	800	278	0.40	309	0.54	335	0.67	361	0.82	386	0.98	411	1.15						
6893	900	299	0.50	326	0.64	352	0.79	376	0.95	399	1.11	421	1.28	443	1.47				
7659	1000	319	0.61	345	0.76	370	0.93	393	1.09	414	1.27	435	1.45	455	1.63	495	2.04		
8425	1100	341	0.74	366	0.92	388	1.08	411	1.27	431	1.45	450	1.63	470	1.83	506	2.25	543	2.70
9191	1200	364	0.90	386	1.07	408	1.26	428	1.45	449	1.66	468	1.85	485	2.04	521	2.49	554	2.94
9957	1300	387	1.08	407	1.26	429	1.47	447	1.66	467	1.87	486	2.10	503	2.31	536	2.75	568	3.23
10723	1400	411	1.28	430	1.47	448	1.68	469	1.92	485	2.11	503	2.35	521	2.59	553	3.05	583	3.54
11489	1500	437	1.54	453	1.72	470	1.94	488	2.17	506	2.41	521	2.62	539	2.88	571	3.39	599	3.87
12255	1600	462	1.82	476	2.00	492	2.22	508	2.45	527	2.72	542	2.97	557	3.19	589	3.74	618	4.28
13021	1700	488	2.14	500	2.30	515	2.54	531	2.79	546	3.04	563	3.33	578	3.58	606	4.11	636	4.70
13787	1800	514	2.48	526	2.67	539	2.90	553	3.15	567	3.41	583	3.69	599	4.00	625	4.52	653	5.12
14553	1900	540	2.86	551	3.08	563	3.29	576	3.55	590	3.82	603	4.09	618	4.41	646	5.01	671	5.58
15319	2000	566	3.29	577	3.53	587	3.72	600	4.00	612	4.26	625	4.56	638	4.84	667	5.52	690	6.10
16085	2100	593	3.79	603	4.01	612	4.23	623	4.47	636	4.77	648	5.06	660	5.36	687	6.04	711	6.69
16851	2200	620	4.33	629	4.54	638	4.78	647	4.99	659	5.30	671	5.60	682	5.92	706	6.57	733	7.32
17617	2300	647	4.93	655	5.10	664	5.37	673	5.60	683	5.88	694	6.20	705	6.50	727	7.18	752	7.93
18383	2400	673	5.58	681	5.71	690	6.01	698	6.26	707	6.48	717	6.84	728	7.17	750	7.85	772	8.57
19149	2500	700	6.29	707	6.41	715	6.70	724	6.97	732	7.21	741	7.51	752	7.87	772	8.56	793	9.28
19915	2600	727	7.05	734	7.18	741	7.43	749	7.73	757	7.99	765	8.23	775	8.61	795	9.32	815	10.08
21447	2800	781	8.76	787	8.90	794	9.04	801	9.40	809	9.72	816	10.00	823	10.25	841	11.04	860	11.80
22979	3000	835	10.73	841	10.88	847	11.03	853	11.28	860	11.66	867	11.98	874	12.28	889	12.95	906	13.80
24511	3200	889	12.97	895	13.14	900	13.30	906	13.46	912	13.82	919	14.21	925	14.56	938	15.18	953	16.01

CFM	O. V. FPM	1 1/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9191	1200	587	3.43	621	3.96														
9957	1300	599	3.72	630	4.24	660	4.80												
10723	1400	613	4.05	642	4.57	670	5.13	699	5.73	727	6.37								
11489	1500	628	4.41	656	4.96	683	5.52	709	6.11	736	6.74	762	7.38						
12255	1600	644	4.78	671	5.37	697	5.96	722	6.54	747	7.18	772	7.82	822	9.22				
13021	1700	662	5.26	686	5.80	712	6.43	737	7.05	760	7.67	784	8.33	831	9.71	878	11.22		
13787	1800	680	5.74	705	6.33	727	6.90	752	7.57	776	8.23	798	8.89	843	10.27	887	11.77	931	13.37
14553	1900	698	6.23	723	6.88	746	7.49	767	8.10	791	8.80	813	9.50	855	10.88	898	12.38	940	13.98
15319	2000	716	6.75	741	7.44	765	8.12	786	8.76	806	9.38	828	10.13	870	11.60	910	13.08	950	14.66
16085	2100	734	7.30	758	8.02	782	8.74	805	9.45	824	10.12	844	10.78	886	12.32	925	13.86	963	15.44
16851	2200	754	7.96	776	8.63	799	9.38	822	10.14	843	10.89	862	11.59	901	13.05	940	14.68	977	16.28
17617	2300	775	8.66	795	9.32	817	10.07	839	10.84	861	11.64	881	12.42	917	13.88	955	15.51	992	17.21
18383	2400	796	9.39	816	10.10	835	10.78	857	11.60	878	12.42	899	13.25	936	14.83	970	16.31	1007	18.14
19149	2500	816	10.11	838	10.93	856	11.65	875	12.38	896	13.24	916	14.09	955	15.81	988	17.40	1022	19.08
19915	2600	835	10.86	858	11.76	877	12.56	895	13.30	914	14.10	934	14.98	972	16.77	1007	18.50	1039	20.34
21447	2800	878	12.63	897	13.45	918	14.42	938	15.32	954	16.13	971	16.92	1007	18.79	1043	20.71	1076	22.61
22979	3000	923	14.61	940	15.50	957	16.34	977	17.39	997	18.41	1013	19.30	1043	20.99	1078	23.04	1111	25.10
24511	3200	969	16.89	985	17.77	1001	18.72	1017	19.62	1036	20.69	1054	21.79	1085	23.75	1114	25.54	1146	27.74
26043	3400	1016	19.42	1031	20.35	1046	21.28	1062	22.29	1077	23.26	1093	24.32	1128	26.65	1156	28.67	1183	30.58
27575	3600	1064	22.16	1078	23.21	1092	24.19	1106	25.16	1121	26.24	1135	27.28	1166	29.56	1199	32.00	1225	34.10
29107	3800	1114	25.38	1126	26.29	1139	27.39	1153	28.42	1166	29.43	1180	30.58	1207	32.75	1237	35.29	1267	37.83
30639	4000	1164	29.03	1175	29.78	1187	30.82	1200	31.97	1212	33.06	1225	34.10	1251	36.49	1277	38.74	1307	41.54
32171	4200	1216	33.01	1225	33.84	1235	34.61	1247	35.78	1259	36.98	1272	38.13	1296	40.46	1321	42.92	1346	45.38

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14553	1900	982	15.67																
15319	2000	990	16.35	1030	18.12														
16851	2200	1013	17.96	1049	19.70	1086	21.58	1121	23.47	1159	25.61								
18383	2400	1042	19.90	1075	21.64	1109	23.51	1142	25.41	1175	27.43	1208	29.50	1242	31.70				
19149	2500	1057	20.93	1090	22.76	1122	24.58	1155	26.53	1186	28.51	1218	30.59	1250	32.74	1281	34.94	1314	37.39
21447	2800	1106	24.39	1135	26.21	1167	28.29	1198	30.35	1227	32.39	1255	34.42	1284	36.60	1313	38.81	1341	41.02
22979	3000	1143	27.15	1172	29.09	1199	30.97	1228	33.07	1257	35.29	1285	37.50	1313	39.69	1339	41.86	1366	44.14
24511	3200	1178	29.92	1208	32.13	1237	34.25	1262	36.28	1288	38.28	1315	40.63	1343	43.00	1369	45.35	1395	47.69
26043	3400	1213	32.91	1243	35.21	1272	37.56	1300	39.88	1325	42.06	1349	44.21	1373	46.37	1399	48.90	1425	51.42
27575	3600	1250	36.12	1279	38.54	1307	40.98	1335	43.46	1361	45.94	1387	48.33	1410	50.63	1433	52.89	1455	55.21
29107	3800	1292	40.65	1316	42.18	1343	44.67	1370	47.25	1396	49.84	1422	52.47	1447	55.06	1470	57.54	1492	59.96
30639	4000	1335	44.19	1358	46.52	1381	48.78	1406	51.28	1432	54.02	1457	56.71	1482	59.49	1506	62.24	1530	64.96
32171	4200	1374	48.31	1401	51.10	1423	53.55	1445	55.93	1468	58.40	1493	61.29	1517	64.13	1541	67.00	1564	69.91

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE **122**

CENTRIFUGAL FAN TYPE B.I.

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 12 1/4"

OUTLET AREA 1.55 SQ FT

LIMIT LOAD HP = .150 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1239	800	974	0.17	1061	0.18	1142	0.21	1220	0.25	1293	0.29	1361	0.33	1426	0.38	1545	0.46	1676	0.55
1394	900	1049	0.17	1133	0.22	1208	0.26	1280	0.30	1350	0.35	1417	0.39	1480	0.44	1597	0.53	1705	0.62
1549	1000	1127	0.21	1208	0.26	1279	0.31	1347	0.36	1410	0.40	1475	0.45	1536	0.50	1651	0.61	1757	0.71
1704	1100	1207	0.25	1283	0.31	1354	0.37	1417	0.42	1479	0.48	1537	0.53	1596	0.58	1707	0.69	1811	0.80
1859	1200	1288	0.30	1361	0.37	1428	0.43	1492	0.50	1549	0.55	1605	0.61	1659	0.67	1766	0.78	1867	0.90
2014	1300	1370	0.36	1440	0.43	1505	0.50	1566	0.57	1623	0.64	1676	0.70	1728	0.76	1827	0.88	1926	1.01
2170	1400	1454	0.42	1520	0.50	1583	0.58	1642	0.66	1698	0.73	1750	0.80	1799	0.87	1895	1.00	1986	1.13
2324	1500	1539	0.49	1602	0.58	1662	0.65	1719	0.75	1773	0.83	1825	0.91	1874	0.99	1965	1.13	2053	1.27
2479	1600	1625	0.58	1685	0.66	1742	0.75	1797	0.84	1849	0.93	1899	1.02	1948	1.11	2037	1.26	2122	1.41
2635	1700	1712	0.68	1768	0.76	1824	0.85	1876	0.94	1927	1.04	1976	1.14	2023	1.23	2112	1.41	2192	1.57
2789	1800	1799	0.78	1853	0.86	1906	0.97	1957	1.06	2006	1.16	2053	1.27	2099	1.37	2186	1.57	2267	1.75
2944	1900	1887	0.90	1939	0.99	1989	1.08	2039	1.19	2086	1.29	2132	1.40	2176	1.51	2261	1.72	2342	1.93
3099	2000	1975	1.03	2025	1.12	2073	1.21	2121	1.33	2167	1.44	2211	1.54	2254	1.66	2337	1.89	2416	2.11
3255	2100	2064	1.16	2112	1.27	2158	1.36	2204	1.48	2248	1.60	2292	1.71	2334	1.82	2414	2.07	2491	2.30
3409	2200	2153	1.31	2199	1.43	2244	1.53	2287	1.63	2331	1.77	2373	1.89	2414	2.00	2492	2.25	2567	2.51
3564	2300	2243	1.46	2287	1.61	2330	1.71	2372	1.80	2414	1.94	2455	2.08	2494	2.20	2571	2.45	2644	2.72
3719	2400	2333	1.63	2376	1.79	2417	1.91	2457	2.01	2497	2.13	2537	2.27	2576	2.41	2651	2.65	2722	2.94
3875	2500	2423	1.81	2464	1.99	2504	2.12	2544	2.23	2582	2.32	2620	2.48	2658	2.63	2731	2.89	2801	3.17
4029	2600	2511	2.01	2553	2.20	2592	2.34	2630	2.46	2667	2.57	2704	2.70	2741	2.86	2812	3.15	2880	3.41
4339	2800	2687	2.48	2732	2.65	2769	2.83	2804	2.97	2839	3.10	2874	3.21	2908	3.35	2976	3.69	3041	3.99
4649	3000	2864	3.02	2911	3.15	2946	3.37	2980	3.55	3013	3.69	3046	3.82	3078	3.94	3142	4.27	3205	4.62
4959	3200	3042	3.64	3089	3.75	3125	3.98	3157	4.18	3189	4.35	3220	4.51	3250	4.64	3310	4.91	3370	5.31

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1859	1200	1963	1.02	2052	1.14	2139	1.27	2221	1.39	2299	1.52	2384	1.65	2557	1.94	2727	2.22		
2014	1300	2019	1.14	2108	1.27	2192	1.40	2273	1.54	2351	1.67	2425	1.81	2576	2.09	2736	2.40	2893	2.71
2170	1400	2078	1.27	2164	1.40	2248	1.55	2327	1.69	2403	1.83	2477	1.98	2618	2.27	2756	2.57	2904	2.91
2324	1500	2138	1.40	2223	1.55	2305	1.70	2383	1.85	2458	2.01	2531	2.16	2669	2.47	2800	2.78	2927	3.10
2479	1600	2204	1.56	2284	1.71	2364	1.87	2440	2.03	2514	2.19	2586	2.35	2722	2.68	2852	3.01	2975	3.34
2635	1700	2273	1.73	2349	1.89	2424	2.05	2500	2.22	2572	2.38	2642	2.55	2778	2.90	2904	3.24	3026	3.60
2789	1800	2342	1.91	2417	2.08	2489	2.24	2560	2.41	2632	2.59	2701	2.77	2834	3.13	2960	3.50	3079	3.86
2944	1900	2416	2.11	2487	2.29	2558	2.46	2626	2.64	2692	2.81	2761	3.00	2892	3.37	3016	3.76	3134	4.15
3099	2000	2491	2.32	2559	2.50	2627	2.69	2694	2.88	2759	3.06	2821	3.24	2951	3.64	3073	4.03	3190	4.44
3255	2100	2565	2.53	2634	2.74	2699	2.93	2764	3.13	2827	3.33	2889	3.52	3011	3.91	3132	4.33	3247	4.74
3409	2200	2639	2.75	2709	2.98	2773	3.20	2835	3.40	2897	3.61	2958	3.81	3074	4.21	3192	4.64	3306	5.07
3564	2300	2715	2.97	2783	3.22	2849	3.47	2909	3.69	2967	3.90	3027	4.11	3142	4.54	3252	4.96	3365	5.42
3719	2400	2791	3.22	2857	3.48	2922	3.74	2984	3.99	3042	4.21	3098	4.43	3211	4.88	3319	5.32	3426	5.77
3875	2500	2869	3.47	2934	3.75	2997	4.02	3058	4.29	3117	4.54	3172	4.78	3281	5.24	3388	5.71	3489	6.16
4029	2600	2947	3.73	3010	4.03	3072	4.31	3132	4.59	3191	4.87	3247	5.14	3352	5.62	3457	6.11	3558	6.58
4339	2800	3105	4.27	3166	4.62	3226	4.94	3284	5.25	3340	5.55	3396	5.86	3501	6.44	3598	6.95	3696	7.48
4649	3000	3265	4.94	3324	5.24	3382	5.61	3438	5.96	3493	6.30	3546	6.63	3650	7.28	3748	7.90	3839	8.45
4959	3200	3428	5.67	3485	6.01	3540	6.32	3595	6.72	3648	7.10	3699	7.47	3799	8.17	3896	8.86	3989	9.52
5269	3400	3593	6.46	3648	6.84	3701	7.19	3753	7.53	3805	7.94	3855	8.35	3952	9.13	4046	9.86	4137	10.61
5579	3600	3760	7.30	3813	7.73	3864	8.13	3915	8.51	3964	8.86	4013	9.27	4107	10.14	4198	10.96	4286	11.73
5889	3800	3928	8.19	3979	8.68	4029	9.13	4078	9.55	4125	9.95	4172	10.33	4264	11.20	4353	12.10	4439	12.96
6199	4000	4098	9.31	4146	9.68	4195	10.19	4242	10.66	4289	11.10	4334	11.53	4423	12.32	4509	13.30	4593	14.24
6509	4200	4270	10.53	4316	10.87	4362	11.31	4408	11.83	4453	12.33	4497	12.80	4584	13.67	4668	14.55	4749	15.58

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2789	1800	3194	4.24	3305	4.61	3411	4.98	3517	5.37	3634	5.80	3749	6.23	3865	6.66	3977	7.10	4090	7.49
2944	1900	3247	4.53	3356	4.93	3462	5.32	3563	5.72	3661	6.11	3770	6.55	3880	7.01	3989	7.46	4098	7.92
3099	2000	3302	4.85	3409	5.25	3514	5.67	3615	6.08	3712	6.50	3807	6.91	3903	7.34	4009	7.82	4111	8.30
3409	2200	3415	5.50	3521	5.96	3623	6.41	3721	6.85	3816	7.30	3910	7.76	4001	8.22	4089	8.68	4175	9.13
3719	2400	3533	6.25	3636	6.72	3735	7.19	3832	7.69	3926	8.18	4017	8.67	4105	9.15	4193	9.65	4278	10.15
4029	2600	3654	7.05	3755	7.57	3853	8.08	3947	8.59	4038	9.10	4129	9.64	4216	10.17	4301	10.70	4384	11.23
4339	2800	3791	8.00	3882	8.51	3973	9.02	4066	9.58	4156	10.14	4244	10.69	4329	11.23	4413	11.81	4496	12.38
4649	3000	3930	9.01	4020	9.57	4107	10.12	4191	10.66	4277	11.23	4363	11.83	4447	12.43	4529	13.02	4610	13.60
4959	3200	4075	10.12	4159	10.71	4245	11.31	4328	11.90	4408	12.48	4486	13.06	4568	13.68	4649	14.32	4728	14.95
5269	3400	4225	11.32	4307	11.95	4385	12.58	4467	13.22	4546	13.86	4623	14.48	4698	15.09	4772	15.70	4848	16.37
5579	3600	4373	12.52	4457	13.28	4535	13.97	4610	14.63	4685	15.30	4761	15.98	4835	16.65	4908	17.31	4979	17.96
5889	3800	4522	13.78	4604	14.61	4684	15.42	4760	16.17	4832	16.87	4902	17.56	4975	18.29	5046	19.00	5116	19.70
6199	4000	4675	15.14	4754	16.00	4832	16.88	4909	17.73	4982	18.55	5051	19.30	5119	20.04	5186	20.77	5255	21.53
6509	4200	4829	16.56	4907	17.50	4982	18.41	5057	19.32	5130	20.23	5202	21.12	5269	21.92	5334	22.70	5398	23.47



CENTRIFUGAL FAN TYPE B.I. SIZE 135

WHEEL DIA. 13 1/2"

OUTLET AREA 1.87 SQ FT

LIMIT LOAD HP = .244 ($\frac{RPM}{1,000}$)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1495	800	878	0.17	958	0.21	1031	0.26	1102	0.30	1169	0.35	1231	0.40	1289	0.45	1399	0.55	1518	0.67
1682	900	946	0.21	1022	0.26	1091	0.31	1156	0.36	1220	0.42	1281	0.47	1338	0.53	1444	0.64	1542	0.75
1869	1000	1016	0.25	1089	0.32	1154	0.38	1216	0.43	1274	0.49	1333	0.55	1388	0.61	1493	0.73	1589	0.85
2056	1100	1087	0.30	1157	0.38	1222	0.45	1279	0.51	1335	0.57	1388	0.63	1442	0.70	1543	0.83	1637	0.96
2243	1200	1160	0.36	1227	0.44	1288	0.52	1346	0.60	1398	0.66	1449	0.73	1498	0.80	1596	0.94	1688	1.08
2430	1300	1234	0.43	1298	0.51	1357	0.60	1412	0.69	1465	0.77	1512	0.84	1560	0.92	1650	1.06	1740	1.21
2617	1400	1309	0.50	1370	0.60	1427	0.69	1480	0.79	1531	0.88	1579	0.96	1623	1.04	1711	1.20	1794	1.36
2804	1500	1385	0.59	1443	0.69	1498	0.78	1550	0.89	1599	0.99	1646	1.09	1690	1.18	1773	1.35	1854	1.52
2991	1600	1463	0.69	1518	0.79	1570	0.90	1620	1.01	1667	1.12	1713	1.22	1757	1.33	1838	1.52	1916	1.70
3178	1700	1540	0.81	1593	0.90	1643	1.02	1691	1.12	1737	1.25	1782	1.37	1824	1.48	1906	1.69	1979	1.88
3365	1800	1619	0.93	1668	1.02	1717	1.15	1763	1.27	1808	1.39	1851	1.52	1893	1.64	1972	1.88	2045	2.09
3552	1900	1697	1.07	1745	1.17	1792	1.30	1837	1.43	1880	1.54	1922	1.68	1962	1.81	2039	2.06	2113	2.31
3739	2000	1777	1.22	1823	1.34	1867	1.45	1910	1.59	1952	1.72	1993	1.84	2032	1.99	2107	2.27	2179	2.53
3926	2100	1856	1.38	1901	1.51	1943	1.62	1985	1.77	2026	1.91	2065	2.04	2103	2.18	2177	2.48	2246	2.76
4113	2200	1936	1.55	1979	1.70	2020	1.82	2060	1.95	2100	2.11	2138	2.26	2175	2.39	2247	2.70	2315	3.00
4300	2300	2017	1.74	2058	1.91	2097	2.04	2136	2.15	2174	2.32	2211	2.48	2248	2.63	2317	2.93	2384	3.26
4487	2400	2097	1.93	2137	2.13	2175	2.27	2212	2.39	2249	2.54	2286	2.72	2321	2.88	2389	3.17	2454	3.52
4674	2500	2178	2.14	2216	2.36	2254	2.52	2290	2.65	2325	2.78	2360	2.97	2395	3.14	2461	3.46	2525	3.80
4861	2600	2257	2.39	2296	2.60	2332	2.78	2367	2.93	2401	3.06	2435	3.23	2469	3.42	2534	3.76	2596	4.08
5235	2800	2415	2.95	2456	3.14	2490	3.36	2523	3.53	2556	3.69	2587	3.82	2619	4.00	2681	4.41	2741	4.77
5609	3000	2575	3.59	2617	3.74	2650	4.00	2681	4.21	2712	4.39	2742	4.55	2771	4.70	2830	5.11	2887	5.52
5983	3200	2735	4.32	2777	4.45	2810	4.71	2839	4.96	2869	5.17	2897	5.36	2926	5.53	2981	5.86	3036	6.34

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2243	1200	1775	1.23	1856	1.38	1934	1.53	2009	1.68	2080	1.83	2159	2.00	2317	2.35	2472	2.68		
2430	1300	1825	1.37	1906	1.53	1982	1.69	2055	1.85	2126	2.01	2194	2.18	2333	2.52	2479	2.90	2623	3.27
2617	1400	1878	1.52	1956	1.69	2032	1.86	2104	2.04	2173	2.21	2240	2.38	2368	2.73	2497	3.10	2632	3.51
2804	1500	1932	1.69	2009	1.87	2083	2.04	2154	2.23	2222	2.41	2288	2.60	2414	2.97	2533	3.35	2651	3.74
2991	1600	1990	1.87	2063	2.05	2136	2.25	2205	2.43	2273	2.63	2338	2.83	2462	3.22	2579	3.62	2691	4.02
3178	1700	2052	2.08	2121	2.26	2190	2.46	2259	2.66	2325	2.86	2389	3.07	2511	3.49	2626	3.90	2737	4.33
3365	1800	2114	2.29	2183	2.50	2248	2.69	2313	2.90	2378	3.11	2441	3.33	2562	3.76	2676	4.21	2784	4.65
3552	1900	2180	2.53	2245	2.74	2309	2.95	2371	3.16	2432	3.38	2495	3.60	2613	4.05	2726	4.52	2834	4.99
3739	2000	2247	2.78	2309	3.00	2372	3.23	2432	3.45	2491	3.67	2549	3.89	2666	4.37	2777	4.84	2884	5.34
3926	2100	2314	3.03	2376	3.28	2435	3.51	2495	3.75	2553	3.99	2609	4.22	2720	4.70	2830	5.20	2935	5.70
4113	2200	2380	3.29	2444	3.57	2502	3.83	2558	4.07	2615	4.32	2670	4.57	2776	5.05	2884	5.57	2987	6.10
4300	2300	2448	3.56	2510	3.87	2570	4.16	2625	4.42	2678	4.67	2733	4.93	2837	5.44	2938	5.95	3041	6.51
4487	2400	2517	3.85	2577	4.17	2636	4.48	2692	4.78	2745	5.05	2796	5.31	2899	5.86	2997	6.38	3095	6.93
4674	2500	2586	4.15	2645	4.49	2703	4.82	2759	5.14	2812	5.44	2862	5.72	2962	6.29	3059	6.84	3151	7.38
4861	2600	2656	4.47	2714	4.82	2770	5.17	2825	5.51	2879	5.84	2930	6.15	3025	6.73	3121	7.32	3212	7.90
5235	2800	2798	5.12	2854	5.53	2908	5.92	2961	6.29	3012	6.66	3063	7.03	3159	7.71	3247	8.33	3336	8.97
5609	3000	2942	5.90	2996	6.28	3049	6.72	3100	7.15	3149	7.55	3198	7.94	3292	8.73	3381	9.46	3464	10.13
5983	3200	3089	6.78	3141	7.18	3191	7.57	3240	8.05	3288	8.50	3335	8.94	3426	9.78	3515	10.62	3599	11.41
6357	3400	3237	7.72	3287	8.17	3335	8.60	3383	9.00	3429	9.51	3475	10.00	3564	10.94	3649	11.82	3732	12.72
6731	3600	3386	8.72	3435	9.24	3482	9.72	3527	10.17	3572	10.59	3617	11.11	3703	12.15	3786	13.13	3866	14.06
7105	3800	3537	9.79	3584	10.37	3629	10.91	3674	11.41	3717	11.89	3760	12.35	3844	13.42	3925	14.50	4003	15.52
7479	4000	3690	11.09	3734	11.57	3778	12.17	3821	12.74	3864	13.27	3905	13.78	3986	14.74	4065	15.93	4141	17.06
7853	4200	3845	12.54	3887	12.95	3929	13.51	3970	14.14	4012	14.73	4052	15.29	4131	16.34	4207	17.43	4282	18.66

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3365	1800	2889	5.10	2989	5.55	3085	6.00	3186	6.48	3292	7.00	3397	7.52	3502	8.04	3605	8.56	3708	9.03
3552	1900	2936	5.45	3036	5.93	3131	6.41	3224	6.88	3313	7.36	3415	7.91	3514	8.46	3615	9.01	3714	9.56
3739	2000	2986	5.83	3083	6.32	3178	6.82	3270	7.33	3358	7.83	3444	8.32	3535	8.86	3631	9.44	3725	10.02
4113	2200	3086	6.62	3183	7.17	3275	7.71	3364	8.25	3451	8.79	3536	9.35	3619	9.90	3699	10.45	3777	11.00
4487	2400	3192	7.51	3286	8.08	3376	8.65	3464	9.25	3550	9.84	3632	10.43	3712	11.02	3792	11.62	3869	12.23
4861	2600	3301	8.46	3393	9.09	3481	9.71	3567	10.32	3650	10.95	3732	11.60	3812	12.24	3889	12.88	3964	13.51
5235	2800	3423	9.59	3506	10.20	3589	10.84	3674	11.52	3756	12.18	3836	12.84	3913	13.51	3990	14.21	4064	14.90
5609	3000	3547	10.81	3629	11.48	3708	12.14	3784	12.79	3864	13.50	3942	14.22	4019	14.94	4093	15.64	4166	16.35
5983	3200	3677	12.12	3754	12.84	3832	13.57	3907	14.28	3980	14.97	4051	15.66	4127	16.44	4200	17.21	4272	17.97
6357	3400	3812	13.56	3886	14.32	3958	15.07	4032	15.85	4104	16.62	4174	17.37	4242	18.10	4309	18.84	4380	19.66
6731	3600	3945	15.01	4021	15.92	4091	16.74	4160	17.53	4229	18.35	4298	19.16	4366	19.97	4431	20.76	4496	21.54
7105	3800	4079	16.51	4154	17.51	4226	18.49	4294	19.37	4360	20.21	4424	21.05	4491	21.93	4555	22.78	4619	23.63
7479	4000	4215	18.14	4287	19.17	4359	20.23	4428	21.26	4494	22.22	4557	23.12	4619	24.01	4681	24.91	4744	25.82
7853	4200	4354	19.84	4425	20.97	4493	22.06	4561	23.17	4628	24.26	4693	25.31	4753	26.26	4813	27.20	4871	28.12



SIZE **150**

CENTRIFUGAL FAN TYPE B.I.

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 15"
OUTLET AREA 2.30 SQ FT

LIMIT LOAD HP = .413 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1839	800	789	0.20	860	0.26	927	0.32	991	0.37	1050	0.43	1106	0.49	1159	0.56	1259	0.68	1366	0.82
2069	900	849	0.25	918	0.32	980	0.38	1039	0.44	1097	0.51	1151	0.58	1202	0.65	1298	0.78	1387	0.92
2299	1000	912	0.31	978	0.39	1037	0.46	1092	0.53	1145	0.60	1198	0.67	1248	0.74	1342	0.90	1428	1.05
2529	1100	976	0.37	1039	0.46	1097	0.55	1148	0.62	1199	0.70	1247	0.77	1295	0.86	1387	1.02	1472	1.18
2759	1200	1041	0.44	1101	0.54	1157	0.64	1208	0.73	1255	0.81	1302	0.90	1346	0.98	1434	1.15	1517	1.33
2989	1300	1107	0.52	1165	0.63	1218	0.74	1268	0.84	1315	0.94	1358	1.03	1401	1.12	1483	1.30	1564	1.49
3219	1400	1175	0.61	1230	0.73	1281	0.85	1329	0.96	1375	1.08	1418	1.18	1458	1.28	1537	1.47	1612	1.66
3449	1500	1243	0.72	1295	0.85	1344	0.96	1391	1.10	1435	1.22	1478	1.34	1518	1.45	1593	1.66	1665	1.86
3679	1600	1312	0.84	1362	0.97	1409	1.10	1454	1.23	1497	1.37	1538	1.50	1578	1.63	1651	1.86	1721	2.08
3909	1700	1382	0.99	1429	1.11	1475	1.25	1518	1.38	1560	1.53	1599	1.68	1638	1.81	1711	2.08	1777	2.31
4139	1800	1452	1.14	1497	1.25	1541	1.41	1583	1.56	1623	1.70	1662	1.86	1699	2.01	1771	2.30	1837	2.56
4369	1900	1523	1.31	1566	1.44	1608	1.59	1648	1.75	1687	1.89	1725	2.06	1761	2.22	1831	2.53	1897	2.83
4599	2000	1594	1.49	1635	1.63	1675	1.77	1714	1.95	1752	2.11	1789	2.26	1824	2.44	1892	2.78	1957	3.10
4829	2100	1665	1.69	1705	1.85	1743	1.98	1781	2.16	1818	2.34	1853	2.50	1888	2.67	1954	3.04	2017	3.38
5059	2200	1737	1.90	1775	2.08	1812	2.23	1848	2.39	1884	2.59	1919	2.76	1952	2.93	2017	3.31	2078	3.68
5289	2300	1809	2.12	1846	2.33	1882	2.49	1916	2.63	1951	2.84	1985	3.04	2017	3.22	2080	3.59	2140	4.00
5519	2400	1881	2.36	1917	2.60	1951	2.77	1985	2.92	2018	3.12	2051	3.33	2083	3.53	2144	3.89	2203	4.32
5750	2500	1953	2.62	1988	2.88	2022	3.08	2054	3.24	2086	3.40	2118	3.63	2149	3.85	2209	4.24	2266	4.66
5979	2600	2024	2.92	2059	3.19	2092	3.40	2124	3.58	2154	3.74	2185	3.95	2215	4.18	2274	4.61	2330	5.01
6439	2800	2166	3.60	2203	3.84	2234	4.11	2264	4.32	2293	4.51	2321	4.67	2350	4.90	2406	5.40	2460	5.84
6899	3000	2309	4.38	2347	4.57	2376	4.89	2405	5.15	2433	5.37	2460	5.56	2486	5.74	2539	6.26	2591	6.77
7359	3200	2452	5.27	2490	5.44	2520	5.76	2547	6.07	2573	6.33	2599	6.55	2625	6.76	2674	7.18	2724	7.77

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2759	1200	1595	1.51	1668	1.69	1739	1.88	1806	2.06	1870	2.25	1943	2.46	2085	2.89	2225	3.29		
2989	1300	1640	1.68	1713	1.88	1782	2.08	1848	2.27	1911	2.48	1973	2.68	2099	3.11	2231	3.57	2360	4.02
3219	1400	1687	1.87	1758	2.07	1826	2.29	1891	2.50	1953	2.71	2014	2.93	2129	3.36	2246	3.82	2368	4.32
3449	1500	1736	2.07	1806	2.29	1872	2.51	1936	2.74	1998	2.97	2057	3.19	2170	3.65	2277	4.12	2385	4.60
3679	1600	1788	2.30	1854	2.52	1919	2.76	1982	2.99	2043	3.23	2101	3.48	2213	3.96	2319	4.45	2419	4.94
3909	1700	1843	2.55	1905	2.78	1968	3.02	2030	3.27	2089	3.52	2147	3.77	2257	4.29	2361	4.80	2461	5.32
4139	1800	1899	2.81	1960	3.06	2019	3.30	2078	3.56	2137	3.82	2194	4.09	2302	4.62	2405	5.17	2503	5.71
4369	1900	1957	3.10	2016	3.36	2074	3.62	2130	3.88	2186	4.14	2242	4.43	2348	4.98	2450	5.55	2547	6.13
4599	2000	2018	3.41	2074	3.68	2130	3.96	2185	4.23	2238	4.50	2290	4.78	2396	5.37	2496	5.95	2592	6.56
4829	2100	2078	3.72	2134	4.02	2187	4.31	2241	4.61	2293	4.89	2343	5.18	2444	5.77	2543	6.39	2638	7.00
5059	2200	2137	4.04	2195	4.38	2247	4.69	2297	4.99	2349	5.30	2399	5.60	2494	6.19	2591	6.84	2685	7.48
5289	2300	2198	4.37	2254	4.74	2307	5.10	2357	5.42	2405	5.73	2455	6.05	2549	6.68	2640	7.31	2733	7.99
5519	2400	2260	4.73	2314	5.11	2367	5.50	2417	5.86	2465	6.19	2511	6.52	2604	7.18	2692	7.83	2781	8.51
5750	2500	2322	5.09	2375	5.50	2427	5.91	2477	6.31	2525	6.67	2570	7.02	2660	7.71	2747	8.39	2831	9.06
5979	2600	2384	5.47	2437	5.92	2487	6.34	2537	6.76	2585	7.17	2631	7.54	2717	8.25	2803	8.98	2886	9.68
6439	2800	2512	6.27	2562	6.78	2611	7.26	2658	7.72	2705	8.17	2750	8.62	2836	9.45	2916	10.22	2997	11.00
6899	3000	2641	7.23	2689	7.70	2737	8.24	2783	8.76	2827	9.26	2871	9.74	2956	10.71	3036	11.60	3111	12.42
7359	3200	2772	8.30	2819	8.79	2864	9.28	2909	9.87	2952	10.43	2994	10.97	3076	12.00	3156	13.03	3231	13.98
7819	3400	2905	9.45	2950	10.01	2993	10.53	3036	11.03	3078	11.66	3120	12.26	3199	13.41	3276	14.50	3351	15.59
8279	3600	3039	10.68	3082	11.31	3124	11.90	3166	12.45	3206	12.98	3246	13.62	3324	14.89	3399	16.09	3471	17.25
8739	3800	3174	11.99	3216	12.70	3257	13.36	3297	13.98	3336	14.56	3375	15.12	3450	16.45	3523	17.78	3594	19.03
9199	4000	3311	13.56	3351	14.17	3390	14.91	3429	15.60	3467	16.25	3505	16.87	3578	18.08	3649	19.54	3718	20.92
9659	4200	3449	15.34	3487	15.84	3525	16.55	3563	17.32	3600	18.04	3636	18.73	3707	20.01	3776	21.37	3843	22.88

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4139	1800	2597	6.27	2687	6.82	2774	7.38	2866	7.98	2961	8.62	3057	9.26	3151	9.90	3244	10.52	3337	11.11
4369	1900	2639	6.70	2729	7.29	2815	7.88	2898	8.46	2980	9.05	3072	9.73	3161	10.41	3253	11.08	3341	11.76
4599	2000	2684	7.17	2771	7.77	2857	8.39	2940	9.00	3019	9.62	3096	10.23	3180	10.91	3266	11.62	3351	12.33
5059	2200	2774	8.13	2861	8.80	2944	9.47	3024	10.13	3103	10.81	3179	11.49	3253	12.17	3326	12.84	3396	13.52
5519	2400	2869	9.22	2953	9.92	3034	10.63	3114	11.36	3191	12.09	3265	12.82	3337	13.54	3409	14.28	3478	15.03
5979	2600	2966	10.39	3049	11.16	3129	11.92	3206	12.68	3281	13.45	3355	14.24	3426	15.04	3496	15.82	3564	16.60
6439	2800	3074	11.77	3149	12.51	3225	13.31	3301	14.14	3375	14.96	3447	15.77	3517	16.59	3586	17.45	3653	18.31
6899	3000	3186	13.26	3260	14.08	3331	14.89	3400	15.69	3472	16.57	3543	17.46	3612	18.34	3679	19.21	3744	20.07
7359	3200	3302	14.86	3372	15.75	3442	16.64	3510	17.51	3576	18.37	3640	19.22	3708	20.18	3775	21.13	3839	22.06
7819	3400	3423	16.62	3489	17.56	3555	18.49	3621	19.44	3686	20.38	3749	21.30	3811	22.21	3872	23.12	3936	24.14
8279	3600	3542	18.41	3610	19.52	3674	20.52	3736	21.50	3799	22.50	3861	23.51	3921	24.49	3981	25.46	4039	26.42
8739	3800	3662	20.25	3730	21.48	3795	22.67	3856	23.74	3915	24.78	3974	25.82	4033	26.89	4092	27.95	4149	28.98
9199	4000	3785	22.24	3850	23.51	3914	24.81	3977	26.08	4036	27.24	4092	28.35	4148	29.43	4205	30.55	4261	31.67
9659	4200	3909	24.32	3972	25.71	4034	27.05	4096	28.41	4156	29.75	4214	31.02	4268	32.20	4322	33.35	4374	34.48



CENTRIFUGAL FAN TYPE B.I.

SIZE 165

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 16 1/2"

OUTLET AREA 2.81 SQ FT

LIMIT LOAD HP = .956 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2248	800	685	0.19	749	0.25	813	0.31	878	0.38	939	0.45	996	0.52	1052	0.59	1156	0.75	1253	0.91
2528	900	737	0.24	798	0.30	854	0.36	911	0.43	970	0.51	1024	0.59	1077	0.67	1177	0.83	1271	1.01
2809	1000	790	0.29	849	0.36	901	0.43	953	0.50	1003	0.58	1056	0.67	1107	0.75	1202	0.93	1293	1.11
3090	1100	844	0.35	901	0.43	953	0.51	998	0.59	1046	0.66	1092	0.75	1140	0.84	1232	1.03	1318	1.22
3371	1200	901	0.43	955	0.52	1003	0.60	1050	0.69	1090	0.77	1135	0.85	1177	0.94	1264	1.14	1348	1.35
3652	1300	958	0.52	1008	0.60	1056	0.70	1100	0.79	1142	0.89	1180	0.98	1220	1.06	1299	1.26	1380	1.48
3934	1400	1011	0.61	1064	0.71	1110	0.81	1153	0.91	1193	1.01	1232	1.11	1267	1.21	1341	1.39	1414	1.62
4214	1500	1056	0.72	1121	0.83	1163	0.93	1206	1.04	1245	1.15	1283	1.25	1318	1.36	1385	1.56	1455	1.78
4495	1600	1102	0.83	1178	0.96	1219	1.07	1259	1.18	1298	1.30	1334	1.41	1370	1.53	1434	1.75	1498	1.96
4776	1700	1151	0.96	1232	1.10	1276	1.22	1314	1.33	1352	1.46	1387	1.59	1420	1.70	1486	1.95	1544	2.18
5057	1800	1201	1.10	1276	1.26	1333	1.39	1369	1.51	1405	1.63	1441	1.77	1474	1.90	1537	2.16	1596	2.41
5338	1900	1252	1.25	1321	1.43	1390	1.58	1426	1.70	1460	1.83	1494	1.97	1528	2.11	1588	2.37	1648	2.65
5619	2000	1308	1.43	1369	1.61	1439	1.77	1483	1.92	1516	2.05	1548	2.18	1580	2.33	1641	2.62	1698	2.91
5900	2100	1367	1.63	1419	1.80	1483	1.98	1540	2.15	1573	2.29	1604	2.43	1634	2.56	1695	2.89	1749	3.18
6181	2200	1425	1.85	1469	2.01	1529	2.21	1593	2.39	1630	2.55	1660	2.69	1689	2.83	1748	3.16	1802	3.48
6462	2300	1485	2.09	1520	2.23	1576	2.45	1637	2.64	1687	2.82	1717	2.97	1745	3.13	1801	3.44	1856	3.80
6743	2400	1544	2.35	1573	2.48	1626	2.71	1682	2.92	1740	3.11	1774	3.28	1802	3.44	1855	3.75	1910	4.12
7024	2500	1604	2.63	1631	2.77	1676	2.97	1728	3.21	1785	3.41	1831	3.61	1859	3.78	1911	4.11	1963	4.46
7305	2600	1663	2.94	1690	3.09	1726	3.27	1777	3.51	1830	3.73	1883	3.95	1916	4.14	1968	4.48	2016	4.81
7867	2800	1782	3.62	1808	3.78	1833	3.93	1876	4.18	1922	4.44	1973	4.67	2022	4.91	2081	5.30	2128	5.67
8429	3000	1901	4.40	1927	4.57	1951	4.74	1978	4.92	2022	5.21	2073	5.49	2112	5.74	2196	6.22	2242	6.62
8991	3200	2021	5.28	2046	5.47	2069	5.66	2090	5.83	2123	6.07	2164	6.38	2204	6.67	2292	7.20	2356	7.69

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3371	1200	1428	1.56	1504	1.78	1578	2.00	1649	2.24	1717	2.48	1783	2.72	1911	3.20	2031	3.69	2158	4.49
3652	1300	1457	1.71	1531	1.94	1601	2.16	1671	2.41	1738	2.65	1803	2.91	1926	3.43	2045	3.96	2172	4.79
3934	1400	1490	1.86	1561	2.10	1630	2.35	1696	2.59	1762	2.85	1825	3.11	1947	3.66	2061	4.22	2172	4.79
4214	1500	1523	2.02	1594	2.28	1661	2.54	1726	2.80	1788	3.06	1849	3.33	1969	3.89	2082	4.48	2190	5.08
4495	1600	1563	2.20	1627	2.46	1693	2.74	1757	3.02	1818	3.29	1876	3.58	1992	4.15	2104	4.75	2210	5.37
4776	1700	1606	2.40	1667	2.66	1727	2.94	1789	3.24	1850	3.53	1908	3.83	2020	4.42	2127	5.03	2232	5.67
5057	1800	1650	2.66	1709	2.89	1766	3.17	1823	3.46	1883	3.78	1940	4.09	2049	4.71	2154	5.35	2256	6.00
5338	1900	1700	2.92	1753	3.17	1809	3.42	1863	3.72	1917	4.02	1973	4.36	2081	5.02	2184	5.68	2282	6.35
5619	2000	1753	3.20	1802	3.47	1853	3.74	1906	4.00	1957	4.31	2007	4.63	2113	5.33	2215	6.02	2312	6.72
5900	2100	1804	3.48	1854	3.78	1900	4.07	1950	4.35	2000	4.62	2049	4.95	2147	5.64	2247	6.37	2342	7.10
6181	2200	1854	3.78	1906	4.11	1952	4.42	1996	4.72	2044	5.01	2092	5.29	2184	5.97	2280	6.73	2374	7.50
6462	2300	1906	4.11	1956	4.44	2004	4.78	2048	5.10	2090	5.41	2136	5.71	2227	6.36	2315	7.09	2407	7.89
6743	2400	1960	4.47	2007	4.79	2055	5.15	2100	5.50	2141	5.83	2181	6.16	2270	6.78	2355	7.51	2441	8.30
7024	2500	2014	4.84	2060	5.19	2105	5.54	2151	5.91	2193	6.26	2233	6.61	2314	7.28	2398	7.96	2479	8.74
7305	2600	2067	5.22	2113	5.61	2157	5.96	2201	6.33	2245	6.71	2285	7.08	2360	7.80	2441	8.48	2521	9.24
7867	2800	2173	6.03	2220	6.47	2264	6.89	2306	7.28	2346	7.65	2387	8.07	2464	8.88	2534	9.65	2608	10.39
8429	3000	2285	7.02	2327	7.40	2371	7.88	2413	8.34	2452	8.76	2490	9.16	2566	10.03	2638	10.89	2703	11.72
8991	3200	2398	8.10	2439	8.53	2478	8.94	2519	9.44	2559	9.94	2597	10.40	2668	11.27	2740	12.20	2807	13.13
9553	3400	2512	9.32	2552	9.76	2590	10.22	2628	10.66	2666	11.17	2704	11.70	2775	12.69	2841	13.60	2909	14.61
10115	3600	2628	10.65	2666	11.14	2703	11.60	2739	12.08	2775	12.55	2810	13.06	2882	14.19	2948	15.21	3010	16.17
10677	3800	2718	12.03	2781	12.63	2817	13.14	2853	13.63	2887	14.14	2920	14.64	2988	15.75	3056	16.92	3117	17.98
11239	4000	2808	13.53	2878	14.19	2932	14.81	2966	15.34	3000	15.86	3033	16.39	3096	17.43	3161	18.67	3224	19.88
11801	4200	2899	15.16	2967	15.86	3034	16.56	3081	17.19	3114	17.75	3146	18.29	3208	19.40	3268	20.52	3331	21.85

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5057	1800	2355	6.67	2450	7.37	2542	8.09	2631	8.81	2717	9.54	2804	10.26	2887	10.99	2968	11.72	3047	12.45
5338	1900	2378	7.03	2473	7.75	2563	8.47	2652	9.23	2737	9.99	2819	10.76	2901	11.53	2982	12.29	3061	13.06
5619	2000	2405	7.42	2496	8.14	2586	8.90	2673	9.65	2758	10.44	2840	11.24	2920	12.05	2997	12.86	3075	13.66
6181	2200	2465	8.26	2552	9.03	2637	9.80	2720	10.58	2803	11.41	2883	12.24	2961	13.07	3038	13.95	3113	14.83
6743	2400	2529	9.14	2615	9.97	2697	10.80	2777	11.64	2856	12.49	2931	13.33	3008	14.22	3083	15.12	3156	16.02
7305	2600	2598	10.04	2681	10.95	2761	11.86	2840	12.76	2915	13.66	2990	14.57	3063	15.48	3134	16.39	3203	17.31
7867	2800	2683	11.15	2756	12.03	2829	12.93	2906	13.91	2980	14.89	3053	15.86	3123	16.83	3192	17.81	3261	18.79
8429	3000	2771	12.52	2842	13.29	2911	14.21	2977	15.13	3047	16.14	3119	17.19	3188	18.24	3256	19.28	3322	20.32
8991	3200	2869	14.02	2930	14.88	2997	15.71	3063	16.59	3127	17.59	3189	18.57	3255	19.66	3322	20.79	3387	21.90
9553	3400	2973	15.59	3031	16.54	3088	17.47	3150	18.36	3213	19.23	3274	20.24	3334	21.30	3392	22.35	3455	23.51
10115	3600	3074	17.25	3136	18.29	3192	19.31	3246	20.30	3301	21.26	3361	22.19	3419	23.11	3477	24.24	3533	25.35
10677	3800	3176	18.99	3237	20.12	3296	21.23	3350	22.31	3401	23.37	3452	24.40	3507	25.40	3564	26.38	3619	27.38
11239	4000	3282	21.00	3339	22.07	3396	23.25	3453	24.42	3506	25.57	3555	26.69	3604	27.79	3652	28.86	3707	29.90
11801	4200	3390	23.11	3445	24.28	3499	25.41	3553	26.62	3608	27.86	3660	29.08						



SIZE **182**

CENTRIFUGAL FAN TYPE B.I.

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 18 1/4"

OUTLET AREA 3.42 SQ FT

LIMIT LOAD HP = 1.53 (RPM / 1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2735	800	618	0.23	676	0.30	735	0.37	793	0.46	848	0.54	900	0.63	951	0.72	1045	0.92	1133	1.11
3077	900	664	0.29	720	0.37	771	0.44	823	0.53	876	0.62	926	0.72	973	0.81	1064	1.02	1149	1.23
3419	1000	713	0.35	766	0.44	813	0.53	860	0.61	906	0.70	954	0.81	1000	0.92	1086	1.13	1169	1.35
3761	1100	762	0.43	813	0.53	860	0.62	900	0.72	944	0.80	986	0.91	1030	1.02	1113	1.26	1191	1.49
4103	1200	812	0.52	861	0.62	905	0.73	947	0.83	984	0.93	1024	1.03	1063	1.14	1142	1.39	1218	1.64
4445	1300	864	0.63	909	0.73	953	0.85	993	0.96	1031	1.07	1065	1.18	1102	1.29	1173	1.53	1247	1.80
4787	1400	912	0.74	959	0.86	1001	0.98	1040	1.10	1077	1.22	1111	1.35	1143	1.46	1211	1.69	1278	1.97
5129	1500	952	0.87	1010	1.00	1049	1.12	1088	1.26	1123	1.39	1158	1.52	1190	1.65	1251	1.90	1314	2.16
5471	1600	994	1.01	1062	1.16	1100	1.29	1136	1.43	1171	1.58	1203	1.71	1236	1.85	1294	2.13	1353	2.38
5813	1700	1038	1.16	1111	1.34	1151	1.48	1185	1.61	1219	1.77	1251	1.92	1282	2.06	1341	2.36	1393	2.65
6155	1800	1083	1.33	1152	1.52	1202	1.69	1235	1.83	1267	1.98	1300	2.15	1329	2.30	1387	2.62	1440	2.93
6497	1900	1129	1.51	1192	1.73	1254	1.91	1286	2.06	1317	2.22	1348	2.39	1378	2.56	1433	2.88	1487	3.22
6839	2000	1179	1.73	1235	1.94	1298	2.15	1337	2.32	1367	2.48	1396	2.64	1426	2.83	1480	3.18	1532	3.53
7181	2100	1232	1.97	1280	2.18	1338	2.40	1389	2.60	1418	2.77	1446	2.94	1474	3.11	1529	3.50	1578	3.85
7523	2200	1285	2.24	1325	2.43	1379	2.67	1437	2.89	1470	3.08	1497	3.26	1524	3.43	1577	3.83	1626	4.22
7865	2300	1338	2.53	1370	2.70	1422	2.97	1477	3.20	1521	3.42	1548	3.60	1574	3.79	1625	4.18	1675	4.60
8207	2400	1391	2.84	1418	3.00	1466	3.27	1518	3.53	1570	3.77	1600	3.97	1625	4.16	1674	4.55	1723	5.00
8549	2500	1445	3.18	1470	3.35	1512	3.60	1559	3.88	1610	4.13	1651	4.37	1676	4.57	1724	4.97	1771	5.41
8891	2600	1498	3.55	1523	3.73	1557	3.96	1602	4.25	1651	4.52	1699	4.78	1728	5.01	1775	5.42	1819	5.83
9575	2800	1606	4.37	1630	4.57	1652	4.75	1692	5.06	1734	5.37	1780	5.66	1825	5.94	1877	6.42	1919	6.86
10259	3000	1713	5.31	1737	5.52	1758	5.73	1783	5.96	1823	6.31	1862	6.64	1905	6.95	1980	7.53	2021	8.01
10943	3200	1821	6.38	1844	6.61	1864	6.84	1884	7.05	1914	7.35	1951	7.72	1988	8.08	2068	8.72	2124	9.30

CFM	O. V. FPM	1 1/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4103	1200	1290	1.90	1359	2.16	1426	2.44	1491	2.72	1552	3.02	1612	3.31	1728	3.90	1837	4.49	1952	5.46
4445	1300	1317	2.08	1384	2.35	1447	2.63	1511	2.93	1571	3.23	1630	3.55	1741	4.18	1849	4.82	1952	5.46
4787	1400	1346	2.26	1411	2.56	1473	2.86	1533	3.16	1592	3.47	1650	3.79	1760	4.46	1864	5.14	1964	5.83
5129	1500	1376	2.45	1440	2.77	1501	3.09	1559	3.41	1616	3.73	1671	4.05	1780	4.74	1882	5.46	1980	6.19
5471	1600	1411	2.67	1470	2.99	1530	3.33	1587	3.67	1643	4.01	1697	4.35	1801	5.05	1902	5.78	1998	6.54
5813	1700	1450	2.92	1505	3.23	1560	3.57	1617	3.94	1671	4.30	1724	4.66	1825	5.38	1923	6.13	2018	6.91
6155	1800	1490	3.22	1543	3.51	1595	3.85	1647	4.21	1701	4.59	1753	4.97	1852	5.74	1947	6.50	2039	7.30
6497	1900	1535	3.54	1583	3.85	1633	4.16	1682	4.52	1731	4.89	1782	5.30	1880	6.10	1973	6.91	2063	7.72
6839	2000	1582	3.88	1626	4.21	1673	4.54	1721	4.86	1767	5.24	1813	5.63	1909	6.48	2001	7.32	2089	8.17
7181	2100	1628	4.23	1673	4.59	1715	4.94	1760	5.28	1806	5.62	1850	6.02	1940	6.86	2030	7.75	2116	8.64
7523	2200	1673	4.59	1720	4.98	1761	5.36	1801	5.73	1845	6.07	1889	6.43	1972	7.26	2060	8.18	2145	9.12
7865	2300	1720	4.99	1765	5.39	1809	5.79	1848	6.19	1886	6.57	1928	6.93	2011	7.73	2091	8.62	2175	9.60
8207	2400	1768	5.42	1811	5.81	1854	6.25	1895	6.67	1932	7.08	1969	7.47	2049	8.23	2127	9.13	2205	10.09
8549	2500	1816	5.87	1858	6.29	1900	6.72	1941	7.16	1979	7.60	2015	8.02	2089	8.83	2165	9.67	2239	10.62
8891	2600	1864	6.34	1907	6.80	1946	7.22	1986	7.68	2026	8.14	2062	8.59	2130	9.46	2204	10.29	2277	11.22
9575	2800	1961	7.31	2003	7.85	2043	8.35	2080	8.82	2117	9.29	2154	9.80	2223	10.77	2287	11.71	2355	12.60
10259	3000	2061	8.50	2099	8.97	2139	9.55	2177	10.10	2212	10.61	2246	11.11	2316	12.17	2380	13.22	2439	14.22
10943	3200	2163	9.81	2200	10.33	2235	10.83	2270	11.45	2309	12.05	2343	12.60	2407	13.66	2472	14.81	2533	15.93
11627	3400	2265	11.29	2302	11.82	2336	12.37	2373	12.91	2405	13.54	2439	14.19	2503	15.38	2564	16.49	2625	17.72
12311	3600	2369	12.89	2404	13.48	2438	14.04	2471	14.64	2503	15.20	2535	15.84	2600	17.20	2659	18.44	2716	19.62
12995	3800	2452	14.57	2508	15.29	2540	15.91	2573	16.50	2604	17.13	2634	17.73	2696	19.09	2756	20.51	2812	21.79
13679	4000	2533	16.38	2597	17.19	2644	17.93	2675	18.58	2706	19.20	2735	19.85	2793	21.11	2852	22.64	2909	24.11
14363	4200	2615	18.35	2677	19.20	2737	20.05	2778	20.81	2808	21.49	2837	22.14	2893	23.50	2948	24.87	3005	26.49

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6155	1800	2129	8.12	2215	8.97	2299	9.85	2379	10.73	2457	11.61	2535	12.50	2611	13.38	2684	14.27	2755	15.16
6497	1900	2150	8.56	2235	9.43	2317	10.32	2397	11.24	2474	12.17	2549	13.10	2624	14.03	2697	14.97	2768	15.90
6839	2000	2173	9.03	2256	9.91	2338	10.83	2416	11.75	2493	12.72	2568	13.69	2640	14.67	2710	15.65	2781	16.63
7523	2200	2227	10.05	2307	10.98	2383	11.92	2458	12.88	2534	13.89	2606	14.90	2677	15.92	2747	16.99	2814	18.06
8207	2400	2285	11.11	2362	12.13	2437	13.14	2510	14.17	2581	15.19	2649	16.21	2719	17.30	2787	18.40	2853	19.50
8891	2600	2346	12.20	2422	13.31	2495	14.42	2566	15.52	2634	16.62	2702	17.72	2768	18.84	2832	19.94	2895	21.07
9575	2800	2423	13.55	2489	14.61	2556	15.72	2625	16.92	2692	18.11	2758	19.29	2822	20.48	2885	21.66	2947	22.86
10259	3000	2502	15.19	2566	16.13	2628	17.26	2689	18.39	2753	19.63	2817	20.91	2880	22.18	2942	23.45	3002	24.72
10943	3200	2589	17.01	2645	18.05	2706	19.06	2765	20.15	2823	21.37	2880	22.57	2941	23.92	3001	25.28	3060	26.64
11627	3400	2683	18.92	2736	20.07	2787	21.20	2844	22.28	2901	23.34	2956	24.59	3010	25.88	3063	27.15	3121	28.60
12311	3600	2774	20.92	2830	22.19	2880	23.42	2929	24.63	2980	25.79	3034	26.93	3087	28.07	3140	29.45	3191	30.81
12995	3800	2866	23.03	2921	24.41	2974	25.76	3023	27.07	3070	28.35	3116	29.61	3167	30.82	3218	32.01	3267	33.27
13679	4000	2961	25.46	3012	26.76	3065	28.21	3116	29.63	3164	31.02	3209	32.38	3253	33.72	3297	35.02	3347	36.29
14363	4200	3058	28.02	3108	29.43	3157	30.80	3207	32.30	3256	33.81	3303	35.28</						



CENTRIFUGAL FAN TYPE B.I. SIZE 200

WHEEL DIA. 20"

OUTLET AREA 4.14 SQ FT

LIMIT LOAD HP = 2.50 ($\frac{RPM}{1,000}$)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3311	800	566	0.28	619	0.36	672	0.45	725	0.56	775	0.66	822	0.76	868	0.87	954	1.11	1034	1.34
3725	900	609	0.35	659	0.45	706	0.53	753	0.64	801	0.75	846	0.87	889	0.98	972	1.23	1049	1.49
4139	1000	653	0.43	701	0.54	744	0.64	787	0.74	828	0.85	872	0.98	914	1.11	992	1.37	1067	1.64
4553	1100	698	0.52	745	0.64	787	0.76	824	0.87	864	0.98	902	1.10	941	1.24	1017	1.52	1088	1.81
4967	1200	745	0.64	789	0.76	829	0.88	867	1.01	901	1.14	937	1.25	972	1.39	1044	1.68	1113	1.99
5381	1300	792	0.76	833	0.89	873	1.03	909	1.17	944	1.31	975	1.44	1008	1.56	1073	1.85	1140	2.18
5795	1400	835	0.91	879	1.05	917	1.20	952	1.34	986	1.49	1018	1.64	1046	1.78	1108	2.06	1168	2.38
6209	1500	872	1.06	926	1.22	962	1.37	997	1.54	1029	1.69	1060	1.85	1089	2.01	1144	2.31	1202	2.62
6623	1600	910	1.23	974	1.42	1008	1.58	1041	1.74	1073	1.92	1102	2.08	1132	2.25	1185	2.59	1238	2.90
7037	1700	951	1.42	1018	1.63	1055	1.80	1086	1.97	1117	2.16	1146	2.34	1174	2.51	1228	2.88	1276	3.22
7451	1800	993	1.63	1055	1.86	1102	2.06	1132	2.23	1161	2.41	1191	2.62	1218	2.81	1270	3.18	1318	3.56
7865	1900	1035	1.85	1092	2.11	1149	2.33	1179	2.52	1207	2.70	1235	2.91	1262	3.12	1312	3.51	1361	3.92
8279	2000	1081	2.11	1132	2.37	1189	2.62	1226	2.84	1253	3.03	1279	3.22	1306	3.45	1356	3.88	1403	4.29
8693	2100	1130	2.41	1173	2.66	1226	2.93	1273	3.18	1300	3.38	1326	3.59	1350	3.79	1401	4.27	1445	4.69
9107	2200	1179	2.74	1214	2.97	1263	3.27	1316	3.53	1347	3.76	1372	3.97	1396	4.19	1445	4.67	1490	5.14
9521	2300	1228	3.10	1256	3.30	1303	3.62	1353	3.91	1395	4.17	1419	4.40	1443	4.62	1489	5.09	1534	5.61
9935	2400	1277	3.48	1301	3.67	1344	4.00	1390	4.31	1438	4.60	1466	4.85	1490	5.08	1534	5.55	1578	6.09
10349	2500	1326	3.89	1349	4.11	1385	4.40	1428	4.74	1475	5.05	1514	5.34	1537	5.58	1580	6.07	1622	6.59
10763	2600	1375	4.35	1398	4.57	1427	4.83	1468	5.19	1512	5.52	1556	5.84	1584	6.12	1627	6.62	1667	7.12
11591	2800	1474	5.36	1496	5.60	1516	5.82	1551	6.18	1589	6.56	1630	6.91	1671	7.25	1720	7.84	1759	8.38
12419	3000	1572	6.51	1594	6.76	1613	7.02	1635	7.28	1671	7.71	1706	8.11	1745	8.49	1815	9.20	1853	9.79
13247	3200	1672	7.82	1692	8.10	1711	8.37	1729	8.63	1755	8.98	1789	9.43	1821	9.86	1894	10.65	1948	11.37

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4967	1200	1178	2.30	1241	2.62	1302	2.95	1361	3.29	1417	3.65	1471	4.00	1577	4.72	1676	5.43		
5381	1300	1203	2.52	1264	2.85	1322	3.19	1380	3.55	1435	3.91	1488	4.29	1590	5.06	1688	5.83	1781	6.61
5795	1400	1230	2.74	1289	3.10	1346	3.46	1400	3.82	1454	4.20	1507	4.59	1607	5.39	1701	6.22	1792	7.05
6209	1500	1258	2.97	1316	3.36	1371	3.74	1425	4.13	1476	4.52	1526	4.91	1625	5.74	1718	6.60	1807	7.49
6623	1600	1291	3.24	1344	3.62	1398	4.04	1450	4.45	1501	4.85	1550	5.27	1644	6.11	1737	6.99	1824	7.91
7037	1700	1327	3.55	1376	3.93	1426	4.33	1477	4.77	1527	5.21	1575	5.64	1667	6.52	1756	7.42	1842	8.36
7451	1800	1363	3.92	1412	4.26	1459	4.67	1506	5.10	1554	5.57	1602	6.03	1692	6.95	1778	7.88	1862	8.84
7865	1900	1405	4.31	1448	4.69	1494	5.05	1539	5.49	1583	5.93	1629	6.42	1718	7.40	1803	8.37	1884	9.35
8279	2000	1448	4.72	1489	5.13	1531	5.52	1574	5.90	1616	6.36	1657	6.82	1745	7.85	1829	8.88	1908	9.90
8693	2100	1490	5.14	1532	5.59	1570	6.01	1611	6.42	1652	6.82	1692	7.30	1773	8.31	1855	9.39	1934	10.47
9107	2200	1532	5.58	1575	6.06	1613	6.52	1649	6.97	1688	7.39	1728	7.81	1804	8.81	1883	9.92	1960	11.05
9521	2300	1575	6.07	1616	6.56	1656	7.05	1692	7.53	1726	7.99	1764	8.44	1839	9.39	1911	10.45	1988	11.63
9935	2400	1619	6.60	1658	7.08	1698	7.60	1735	8.11	1769	8.61	1802	9.09	1875	10.01	1945	11.08	2016	12.23
10349	2500	1664	7.15	1702	7.67	1739	8.17	1777	8.72	1812	9.25	1845	9.76	1911	10.75	1981	11.74	2047	12.89
10763	2600	1708	7.72	1747	8.28	1783	8.80	1819	9.35	1855	9.91	1888	10.46	1950	11.52	2017	12.51	2083	13.63
11591	2800	1796	8.91	1835	9.56	1871	10.18	1905	10.75	1938	11.30	1972	11.92	2036	13.11	2093	14.25	2155	15.34
12419	3000	1889	10.37	1924	10.94	1960	11.64	1994	12.31	2026	12.93	2058	13.53	2120	14.81	2179	16.08	2233	17.31
13247	3200	1983	11.98	2016	12.61	2049	13.21	2082	13.94	2115	14.67	2146	15.36	2205	16.64	2264	18.02	2319	19.38
14075	3400	2077	13.79	2110	14.43	2141	15.10	2172	15.75	2203	16.49	2235	17.28	2293	18.74	2348	20.09	2404	21.57
14903	3600	2172	15.75	2204	16.47	2235	17.15	2265	17.86	2294	18.55	2323	19.29	2382	20.96	2436	22.47	2488	23.89
15731	3800	2246	17.79	2299	18.68	2329	19.43	2358	20.15	2386	20.90	2414	21.64	2470	23.26	2525	24.99	2576	26.55
16559	4000	2321	20.01	2378	20.98	2424	21.90	2452	22.69	2480	23.44	2507	24.23	2559	25.76	2613	27.58	2665	29.37
17387	4200	2396	22.42	2452	23.45	2507	24.47	2547	25.41	2574	26.24	2601	27.04	2652	28.68	2701	30.30	2753	32.27

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7451	1800	1944	9.83	2022	10.85	2098	11.91	2171	12.98	2242	14.05	2313	15.12	2382	16.19	2449	17.26	2514	18.34
7865	1900	1963	10.36	2041	11.42	2116	12.47	2189	13.59	2259	14.72	2327	15.85	2394	16.97	2461	18.10	2526	19.23
8279	2000	1985	10.94	2060	12.00	2135	13.10	2206	14.21	2276	15.38	2344	16.56	2409	17.74	2473	18.93	2538	20.12
9107	2200	2035	12.17	2107	13.31	2177	14.44	2245	15.59	2313	16.81	2380	18.03	2444	19.25	2507	20.55	2569	21.84
9935	2400	2088	13.47	2159	14.70	2227	15.93	2293	17.16	2357	18.40	2420	19.64	2483	20.94	2545	22.27	2605	23.60
10763	2600	2146	14.81	2214	16.14	2280	17.47	2344	18.81	2407	20.14	2468	21.47	2528	22.82	2587	24.16	2644	25.51
11591	2800	2216	16.45	2276	17.74	2336	19.06	2399	20.50	2460	21.94	2520	23.38	2579	24.81	2635	26.24	2692	27.69
12419	3000	2289	18.48	2347	19.62	2404	20.96	2459	22.32	2516	23.79	2575	25.34	2632	26.88	2688	28.42	2743	29.96
13247	3200	2370	20.69	2420	21.97	2476	23.19	2530	24.47	2582	25.94	2634	27.39	2688	28.99	2743	30.64	2797	32.29
14075	3400	2457	23.02	2505	24.42	2552	25.79	2602	27.11	2654	28.39	2704	29.86	2753	31.42	2801	32.96	2853	34.66
14903	3600	2540	25.46	2591	27.00	2637	28.50	2682	29.96	2727	31.39	2776	32.76	2824	34.12	2872	35.75	2918	37.40
15731	3800	2625	28.06	2674	29.71	2723	31.34	2768	32.94	2811	34.50	2852	36.02	2897	37.50	2944	38.94	2989	40.39
16559	4000	2713	31.02	2759	32.60	2806	34.32	2853	36.05	2897	37.74	2938	39.40	2978	41.02	3017	42.62	3062	44.15
17387	4200	2802	34.14	2847	35.86	2891	37.53	2936	39.31	2981	41.14	3024	42.93	3064	44.68	3102	46.40	3140	4



SIZE **222**

CENTRIFUGAL FAN TYPE B.I.

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 22 1/4"

OUTLET AREA 5.09 SQ FT

LIMIT LOAD HP = 2.75 (RPM/1,000)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4071	800	485	0.30	534	0.40	579	0.51	619	0.61	658	0.72	695	0.83	733	0.95	809	1.20	885	1.46
4580	900	519	0.37	567	0.49	609	0.60	649	0.72	685	0.83	720	0.95	753	1.07	820	1.34	889	1.61
5089	1000	553	0.46	601	0.58	642	0.71	679	0.83	715	0.96	748	1.09	780	1.21	841	1.49	901	1.78
5598	1100	587	0.55	635	0.69	676	0.82	712	0.96	745	1.10	778	1.24	809	1.38	867	1.66	922	1.97
6107	1200	621	0.66	669	0.81	710	0.95	745	1.10	778	1.26	809	1.40	839	1.56	896	1.87	948	2.17
6616	1300	657	0.78	703	0.94	743	1.10	780	1.26	812	1.43	842	1.59	871	1.75	926	2.08	977	2.42
7125	1400	693	0.92	737	1.09	777	1.27	813	1.44	846	1.61	875	1.79	903	1.97	956	2.31	1007	2.68
7634	1500	731	1.07	772	1.26	812	1.45	847	1.64	879	1.81	910	2.00	937	2.19	989	2.57	1037	2.95
8143	1600	770	1.25	807	1.45	846	1.65	881	1.85	913	2.05	943	2.23	971	2.43	1022	2.85	1069	3.24
8652	1700	810	1.46	844	1.66	880	1.87	915	2.08	947	2.29	977	2.50	1005	2.70	1056	3.13	1102	3.56
9161	1800	851	1.69	881	1.88	915	2.11	950	2.33	981	2.56	1010	2.78	1038	3.00	1090	3.43	1135	3.90
9670	1900	892	1.94	919	2.13	951	2.38	984	2.61	1016	2.84	1045	3.08	1072	3.32	1123	3.77	1169	4.25
10179	2000	933	2.21	959	2.43	988	2.66	1018	2.91	1050	3.16	1079	3.40	1106	3.66	1157	4.14	1203	4.61
10688	2100	974	2.51	1000	2.75	1026	2.97	1055	3.24	1084	3.50	1113	3.75	1140	4.01	1190	4.54	1237	5.03
11197	2200	1016	2.84	1040	3.09	1064	3.30	1092	3.59	1119	3.86	1148	4.13	1175	4.39	1224	4.96	1270	5.49
11706	2300	1058	3.22	1081	3.46	1104	3.70	1129	3.96	1155	4.25	1182	4.54	1209	4.82	1259	5.39	1304	5.97
12215	2400	1100	3.63	1122	3.86	1144	4.12	1166	4.36	1192	4.67	1217	4.97	1243	5.27	1293	5.85	1338	6.47
12724	2500	1143	4.08	1163	4.29	1185	4.57	1206	4.81	1229	5.12	1254	5.44	1278	5.74	1328	6.35	1372	6.99
13233	2600	1185	4.57	1205	4.74	1226	5.05	1246	5.31	1267	5.59	1291	5.93	1314	6.25	1362	6.89	1407	7.53
14251	2800	1271	5.65	1289	5.82	1308	6.10	1327	6.42	1345	6.69	1365	6.99	1387	7.36	1430	8.05	1475	8.74
15269	3000	1357	6.90	1374	7.08	1390	7.28	1408	7.65	1426	7.97	1443	8.26	1462	8.59	1503	9.36	1544	10.10
16287	3200	1443	8.33	1459	8.51	1474	8.70	1491	9.02	1508	9.40	1524	9.73	1540	10.04	1577	10.81	1615	11.60

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6107	1200	999	2.51	1050	2.86	1099	3.21	1151	3.58	1201	3.95	1252	4.34	1351	5.13	1445	6.34	1537	7.17
6616	1300	1025	2.75	1073	3.11	1119	3.48	1166	3.86	1211	4.25	1259	4.65	1353	5.48	1446	6.73	1533	7.66
7125	1400	1054	3.03	1099	3.39	1143	3.78	1185	4.17	1230	4.58	1272	4.99	1360	5.85	1446	7.16	1534	8.10
7634	1500	1084	3.34	1128	3.72	1170	4.09	1211	4.51	1251	4.93	1292	5.36	1372	6.24	1454	7.60	1543	8.59
8143	1600	1114	3.65	1158	4.06	1199	4.47	1239	4.87	1278	5.30	1316	5.75	1391	6.67	1466	7.60	1543	8.59
8652	1700	1145	3.98	1188	4.42	1229	4.86	1268	5.29	1305	5.72	1342	6.16	1414	7.12	1485	8.09	1555	9.09
9161	1800	1178	4.35	1219	4.79	1259	5.26	1298	5.73	1335	6.19	1371	6.64	1440	7.59	1507	8.60	1575	9.64
9670	1900	1211	4.74	1251	5.21	1290	5.67	1328	6.17	1365	6.67	1400	7.15	1468	8.11	1533	9.14	1596	10.21
10179	2000	1245	5.14	1285	5.65	1322	6.14	1359	6.63	1395	7.16	1430	7.68	1497	8.70	1560	9.70	1622	10.81
10688	2100	1279	5.56	1318	6.11	1355	6.64	1391	7.15	1426	7.66	1461	8.21	1527	9.30	1589	10.37	1649	11.43
11197	2200	1313	6.00	1352	6.58	1389	7.14	1424	7.70	1458	8.24	1491	8.77	1557	9.92	1619	11.05	1678	12.17
11706	2300	1346	6.51	1387	7.06	1423	7.67	1458	8.26	1491	8.83	1524	9.40	1587	10.55	1649	11.75	1707	12.93
12215	2400	1380	7.05	1420	7.60	1457	8.21	1491	8.84	1525	9.45	1557	10.05	1619	11.22	1679	12.47	1737	13.71
12724	2500	1414	7.61	1453	8.20	1491	8.78	1526	9.43	1559	10.08	1590	10.72	1651	11.96	1710	13.20	1767	14.51
13233	2600	1448	8.19	1487	8.83	1524	9.44	1560	10.04	1593	10.73	1624	11.41	1684	12.73	1742	14.00	1798	15.32
14251	2800	1516	9.43	1555	10.15	1591	10.84	1626	11.50	1661	12.15	1692	12.84	1751	14.31	1807	15.73	1861	17.11
15269	3000	1585	10.83	1624	11.58	1659	12.35	1694	13.09	1727	13.81	1759	14.51	1820	15.98	1875	17.55	1927	19.07
16287	3200	1654	12.39	1692	13.17	1728	13.96	1762	14.79	1794	15.59	1826	16.37	1887	17.86	1943	19.45	1994	21.13
17305	3400	1724	14.10	1761	14.95	1797	15.77	1831	16.60	1863	17.49	1894	18.35	1954	20.00	2010	21.58	2063	23.27
18323	3600	1797	16.00	1830	16.87	1865	17.77	1900	18.64	1933	19.51	1963	20.45	2021	22.27	2077	24.00	2130	25.67
19341	3800	1871	18.05	1903	19.01	1934	19.92	1968	20.88	2001	21.80	2032	22.70	2090	24.67	2144	26.56	2197	28.38
20359	4000	1946	20.23	1977	21.30	2007	22.30	2037	23.26	2069	24.27	2100	25.24	2159	27.20	2212	29.27	2264	31.24
21377	4200	2024	22.77	2052	23.75	2081	24.85	2110	25.90	2138	26.90	2169	27.96	2227	29.99	2281	32.11	2332	34.26

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9161	1800	1641	10.70	1709	11.79	1778	12.91	1844	14.05	1913	15.23	1979	16.42	2044	17.61	2112	18.74	2169	20.92
9670	1900	1661	11.31	1724	12.42	1787	13.56	1853	14.75	1916	15.94	1980	17.17	2045	18.42	2107	19.68	2168	21.84
10179	2000	1682	11.93	1743	13.09	1803	14.27	1862	15.45	1925	16.70	1986	17.95	2046	19.21	2108	20.52	2168	21.84
11197	2200	1734	13.29	1791	14.53	1845	15.76	1900	17.03	1956	18.32	2009	19.61	2064	20.94	2121	22.31	2177	23.68
12215	2400	1792	14.94	1845	16.14	1897	17.39	1949	18.74	1999	20.09	2048	21.44	2100	22.85	2150	24.26	2199	25.66
13233	2600	1852	16.68	1904	18.02	1955	19.34	2003	20.64	2051	21.99	2099	23.45	2146	24.91	2191	26.36	2238	27.87
14251	2800	1913	18.49	1965	19.96	2014	21.41	2062	22.85	2109	24.27	2154	25.67	2198	27.09	2243	28.67	2287	30.24
15269	3000	1978	20.55	2026	22.01	2075	23.56	2122	25.13	2168	26.68	2213	28.22	2257	29.74	2299	31.25	2340	32.74
16287	3200	2044	22.76	2092	24.35	2138	25.91	2184	27.49	2229	29.18	2273	30.85	2316	32.50	2358	34.14	2399	35.76
17305	3400	2112	25.06	2159	26.80	2204	28.51	2248	30.18	2291	31.82	2334	33.56	2377	35.35	2418	37.12	2458	38.88
18323	3600	2180	27.46	2226	29.35	2271	31.21	2314	33.03	2357	34.81	2398	36.57	2438	38.30	2479	40.19	2519	42.08
19341	3800	2247	30.14	2295	32.00	2339	34.02	2382	35.99	2423	37.92	2464	39.82	2503	41.69	2542	43.54	2580	45.37
20359	4000	2314	33.15	2362	35.00	2407	36.92	2450	39.05	2491	41.14	2531	43.19	2570	45.21	2608	47.19	2645	49.16
21377	4200	2381	36.32	2428	38.33	2474	40.27	2518	42.22	2559	44.47	2598	46.6						



CENTRIFUGAL FAN TYPE B.I. SIZE 245

WHEEL DIA. 24 1/2"

OUTLET AREA 6.23 SQ FT

LIMIT LOAD HP = 4.45 (RPM / 1,000)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4983	800	443	0.37	487	0.50	527	0.62	564	0.75	599	0.88	633	1.02	666	1.16	735	1.47	803	1.79
5606	900	473	0.46	518	0.60	555	0.74	591	0.88	624	1.02	655	1.16	686	1.32	746	1.64	807	1.97
6229	1000	505	0.56	549	0.71	586	0.87	619	1.02	651	1.18	682	1.34	710	1.49	765	1.83	820	2.18
6852	1100	536	0.68	579	0.85	617	1.01	649	1.18	680	1.35	709	1.52	737	1.70	789	2.04	840	2.41
7475	1200	568	0.81	610	1.00	648	1.17	680	1.36	710	1.55	738	1.73	765	1.91	816	2.29	864	2.66
8098	1300	600	0.97	642	1.16	678	1.36	712	1.55	741	1.76	768	1.96	794	2.15	844	2.56	890	2.97
8721	1400	634	1.14	673	1.35	709	1.57	742	1.77	772	1.98	799	2.20	824	2.42	872	2.84	918	3.29
9344	1500	668	1.33	705	1.56	741	1.79	773	2.02	802	2.24	830	2.46	855	2.70	902	3.16	945	3.62
9967	1600	704	1.56	738	1.79	772	2.03	804	2.28	833	2.52	861	2.75	886	2.99	932	3.50	975	3.98
10590	1700	741	1.82	771	2.05	804	2.31	836	2.56	864	2.83	891	3.08	917	3.33	963	3.85	1005	4.38
11213	1800	778	2.10	805	2.33	836	2.61	867	2.88	896	3.15	922	3.43	947	3.70	994	4.22	1036	4.80
11836	1900	816	2.41	841	2.64	869	2.94	898	3.23	928	3.51	954	3.80	978	4.10	1025	4.65	1067	5.23
12459	2000	854	2.75	877	3.01	903	3.29	930	3.60	959	3.90	985	4.20	1010	4.51	1056	5.11	1098	5.68
13082	2100	892	3.11	914	3.41	938	3.67	964	4.01	990	4.32	1017	4.63	1041	4.95	1086	5.60	1129	6.21
13705	2200	930	3.53	952	3.84	973	4.10	998	4.44	1022	4.77	1048	5.11	1073	5.43	1118	6.12	1159	6.77
14328	2300	969	4.01	989	4.30	1010	4.59	1032	4.90	1056	5.26	1080	5.61	1104	5.95	1149	6.66	1190	7.36
14951	2400	1007	4.52	1027	4.79	1047	5.11	1066	5.39	1090	5.78	1112	6.15	1136	6.51	1181	7.22	1221	7.98
15574	2500	1046	5.08	1065	5.32	1084	5.67	1103	5.97	1124	6.33	1146	6.73	1167	7.09	1212	7.85	1253	8.62
16197	2600	1085	5.69	1103	5.88	1121	6.27	1140	6.59	1158	6.91	1180	7.34	1200	7.73	1243	8.51	1284	9.29
17443	2800	1164	7.04	1180	7.24	1197	7.58	1214	7.96	1231	8.30	1248	8.66	1268	9.11	1307	9.95	1347	10.80
18689	3000	1242	8.59	1257	8.81	1272	9.04	1289	9.50	1305	9.89	1320	10.25	1336	10.63	1374	11.59	1410	12.48
19935	3200	1321	10.37	1335	10.59	1350	10.82	1364	11.20	1379	11.66	1394	12.07	1409	12.45	1441	13.37	1476	14.36

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7475	1200	910	3.08	955	3.50	1000	3.93	1046	4.37	1092	4.83	1137	5.30	1227	6.27	1312	7.75	1395	8.77
8098	1300	934	3.37	977	3.82	1018	4.26	1060	4.73	1101	5.20	1144	5.69	1228	6.70	1312	8.23	1392	9.36
8721	1400	960	3.73	1001	4.15	1041	4.63	1079	5.11	1119	5.61	1157	6.11	1236	7.15	1313	8.76	1394	9.90
9344	1500	988	4.10	1028	4.57	1066	5.03	1103	5.53	1139	6.04	1175	6.56	1248	7.64	1321	9.11	1402	10.50
9967	1600	1016	4.48	1055	4.99	1093	5.49	1128	5.98	1163	6.50	1198	7.05	1266	8.16	1333	9.31	1415	11.13
10590	1700	1044	4.89	1083	5.43	1120	5.97	1155	6.50	1189	7.03	1222	7.55	1287	8.72	1351	9.91	1415	11.80
11213	1800	1074	5.35	1111	5.89	1148	6.46	1183	7.03	1216	7.60	1249	8.16	1311	9.30	1372	10.54	1433	12.51
11836	1900	1105	5.83	1141	6.41	1176	6.97	1211	7.58	1244	8.19	1276	8.78	1337	9.96	1396	11.20	1453	13.25
12459	2000	1136	6.33	1172	6.95	1206	7.56	1239	8.15	1272	8.79	1303	9.43	1364	10.68	1421	11.91	1477	13.25
13082	2100	1167	6.84	1203	7.51	1236	8.16	1269	8.80	1300	9.42	1331	10.09	1391	11.43	1448	12.74	1502	14.02
13705	2200	1198	7.39	1234	8.09	1267	8.79	1299	9.47	1330	10.13	1360	10.78	1419	12.19	1475	13.58	1528	14.94
14328	2300	1229	8.03	1265	8.69	1298	9.43	1330	10.16	1360	10.87	1390	11.56	1447	12.96	1503	14.44	1555	15.88
14951	2400	1259	8.69	1296	9.38	1330	10.10	1361	10.87	1391	11.63	1420	12.37	1476	13.80	1530	15.31	1583	16.84
15574	2500	1290	9.39	1326	10.12	1361	10.82	1392	11.60	1422	12.41	1451	13.19	1506	14.72	1558	16.21	1611	17.82
16197	2600	1321	10.11	1357	10.89	1391	11.64	1424	12.37	1453	13.21	1482	14.04	1536	15.66	1588	17.22	1638	18.82
17443	2800	1385	11.64	1419	12.52	1452	13.37	1484	14.19	1515	14.98	1544	15.80	1598	17.61	1649	19.35	1697	21.04
18689	3000	1447	13.38	1483	14.28	1515	15.23	1546	16.15	1576	17.03	1605	17.89	1660	19.66	1710	21.59	1758	23.46
19935	3200	1510	15.32	1545	16.28	1578	17.23	1609	18.25	1638	19.23	1667	20.19	1722	22.03	1773	23.94	1820	26.00
21181	3400	1575	17.45	1608	18.48	1641	19.49	1672	20.49	1701	21.58	1729	22.64	1783	24.67	1834	26.61	1882	28.64
22427	3600	1642	19.80	1672	20.87	1704	21.97	1735	23.04	1765	24.08	1792	25.24	1845	27.47	1895	29.60	1944	31.65
23673	3800	1710	22.33	1739	23.52	1767	24.64	1797	25.80	1827	26.94	1856	28.04	1908	30.44	1957	32.77	2005	35.00
24919	4000	1779	25.04	1807	26.36	1835	27.60	1861	28.77	1890	30.00	1918	31.20	1971	33.57	2020	36.11	2067	38.54
26165	4200	1852	28.26	1876	29.39	1902	30.75	1928	32.04	1954	33.28	1981	34.56	2034	37.07	2083	39.63	2129	42.27

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11213	1800	1493	13.09	1553	14.42	1615	15.79	1675	17.17	1737	18.62	1797	20.07	1855	21.53	1916	22.93	1968	25.59
11836	1900	1511	13.84	1568	15.21	1624	16.59	1684	18.04	1741	19.49	1798	20.98	1857	22.51	1913	24.05	1968	26.69
12459	2000	1531	14.62	1586	16.03	1640	17.47	1693	18.90	1750	20.42	1805	21.95	1858	23.48	1914	25.08	1969	28.96
13705	2200	1579	16.29	1630	17.81	1680	19.31	1729	20.85	1779	22.43	1828	24.00	1876	25.60	1928	27.28	1978	28.96
14951	2400	1633	18.34	1681	19.82	1728	21.31	1774	22.97	1820	24.61	1864	26.25	1910	27.97	1956	29.70	2000	31.42
16197	2600	1688	20.48	1735	22.13	1781	23.75	1825	25.35	1868	26.95	1911	28.74	1954	30.53	1995	32.31	2036	34.11
17443	2800	1744	22.71	1791	24.52	1836	26.30	1879	28.06	1921	29.80	1962	31.53	2002	33.24	2043	35.13	2082	37.06
18689	3000	1804	25.29	1848	27.07	1891	28.94	1934	30.87	1976	32.77	2017	34.66	2056	36.52	2094	38.37	2132	40.21
19935	3200	1865	28.00	1908	29.96	1950	31.88	1990	33.77	2032	35.84	2072	37.89	2111	39.92	2149	41.93	2186	43.92
21181	3400	1926	30.84	1969	32.98	2010	35.07	2050	37.13	2089	39.15	2128	41.22	2166	43.42	2204	45.59	2240	47.75
22427	3600	1989	33.78	2031	36.12	2072	38.40	2111	40.64	2149	42.83	2187	44.99	2223	47.12	2260	49.36	2296	51.68
23673	3800	2051	37.17	2094	39.38	2134	41.86	2173	44.28	2211	46.65	2247	48.99	2283	51.29	2318	53.56	2353	55.80
24919	4000	2112	40.89	2155	43.17	2197	45.43	2235	48.05	2272	50.62	2309	53.14	2344	55.62	2379	58.06	2412	60.47
26165	4200	2173	44.81	2216	47.27	2258	49.67	2298	52.02	2335	54.72	2371	57.43	2406	60.10	24			



SIZE **270**

CENTRIFUGAL FAN TYPE B.I.

DOUBLE WIDTH
DOUBLE INLET

WHEEL DIA. 27"

OUTLET AREA 7.55 SQ FT

LIMIT LOAD HP = 7.24 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6039	800	401	0.45	442	0.60	478	0.76	511	0.91	543	1.07	574	1.24	605	1.41	667	1.78	729	2.17
6794	900	429	0.56	469	0.73	504	0.89	536	1.06	566	1.23	594	1.41	622	1.60	677	1.98	733	2.39
7549	1000	457	0.68	498	0.86	531	1.05	561	1.23	591	1.43	618	1.62	644	1.80	694	2.21	744	2.65
8304	1100	486	0.82	525	1.02	559	1.22	589	1.43	616	1.63	643	1.84	669	2.06	716	2.47	761	2.92
9059	1200	514	0.98	553	1.21	587	1.42	617	1.65	644	1.87	669	2.09	694	2.32	740	2.78	783	3.23
9814	1300	544	1.17	582	1.41	615	1.65	645	1.87	671	2.12	696	2.37	720	2.61	765	3.10	807	3.59
10569	1400	574	1.38	610	1.63	643	1.89	673	2.15	700	2.39	724	2.66	747	2.93	790	3.44	832	3.98
11324	1500	605	1.61	639	1.89	672	2.16	700	2.44	727	2.71	752	2.98	775	3.27	817	3.83	857	4.38
12079	1600	638	1.88	668	2.17	700	2.46	729	2.76	755	3.05	780	3.33	803	3.62	845	4.24	884	4.82
12834	1700	672	2.19	699	2.48	728	2.79	758	3.10	783	3.42	808	3.73	831	4.03	873	4.67	911	5.31
13589	1800	705	2.54	730	2.82	758	3.15	786	3.48	812	3.82	836	4.15	859	4.48	901	5.11	939	5.81
14344	1900	739	2.91	762	3.20	788	3.55	814	3.90	841	4.24	864	4.60	887	4.96	929	5.62	967	6.33
15099	2000	773	3.32	795	3.64	819	3.98	843	4.35	869	4.72	893	5.08	915	5.46	957	6.18	996	6.87
15854	2100	808	3.76	829	4.12	850	4.44	874	4.84	897	5.23	922	5.60	944	5.99	985	6.78	1023	7.51
16609	2200	842	4.27	862	4.64	882	4.96	904	5.37	927	5.77	950	6.18	973	6.57	1013	7.40	1051	8.19
17364	2300	877	4.84	896	5.19	915	5.54	935	5.93	957	6.36	979	6.78	1001	7.20	1042	8.05	1079	8.91
18119	2400	913	5.46	930	5.79	948	6.18	966	6.52	987	6.99	1008	7.43	1029	7.87	1070	8.73	1107	9.65
18875	2500	948	6.14	965	6.43	982	6.85	999	7.22	1018	7.66	1038	8.13	1058	8.58	1099	9.49	1136	10.43
19629	2600	983	6.87	999	7.11	1016	7.58	1033	7.97	1049	8.36	1069	8.87	1088	9.35	1127	10.30	1164	11.24
21139	2800	1054	8.50	1069	8.74	1084	9.16	1100	9.62	1115	10.03	1131	10.47	1149	11.02	1184	12.04	1221	13.06
22649	3000	1125	10.38	1139	10.64	1153	10.92	1168	11.47	1182	11.95	1196	12.39	1211	12.85	1245	14.01	1278	15.10
24159	3200	1197	12.52	1210	12.79	1223	13.07	1236	13.53	1250	14.09	1263	14.59	1277	15.05	1306	16.17	1337	17.36

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9059	1200	825	3.73	866	4.24	907	4.76	949	5.30	991	5.86	1032	6.43	1114	7.60				
9814	1300	847	4.08	886	4.62	923	5.17	962	5.73	999	6.30	1038	6.90	1115	8.12	1191	9.39	1266	10.63
10569	1400	871	4.51	908	5.03	944	5.61	979	6.19	1015	6.80	1050	7.41	1121	8.67	1192	9.98	1263	11.35
11324	1500	896	4.96	932	5.53	966	6.09	1000	6.70	1033	7.32	1066	7.95	1132	9.25	1199	10.61	1265	12.00
12079	1600	921	5.43	957	6.04	991	6.65	1023	7.25	1055	7.87	1087	8.54	1148	9.89	1210	11.28	1273	12.73
12834	1700	947	5.92	982	6.57	1016	7.23	1048	7.87	1079	8.51	1108	9.15	1168	10.56	1226	12.01	1283	13.49
13589	1800	974	6.48	1008	7.13	1041	7.82	1073	8.52	1103	9.20	1133	9.88	1189	11.27	1245	12.77	1300	14.30
14344	1900	1002	7.06	1035	7.76	1066	8.44	1098	9.18	1128	9.91	1157	10.64	1213	12.06	1266	13.57	1318	15.15
15099	2000	1030	7.66	1062	8.42	1093	9.15	1123	9.87	1153	10.65	1182	11.42	1237	12.94	1289	14.43	1340	16.06
15854	2100	1058	8.28	1090	9.09	1121	9.88	1150	10.65	1179	11.40	1207	12.22	1262	13.84	1313	15.42	1362	16.98
16609	2200	1086	8.95	1119	9.79	1149	10.64	1178	11.46	1206	12.27	1233	13.06	1287	14.76	1338	16.44	1386	18.09
17364	2300	1114	9.71	1147	10.52	1177	11.42	1206	12.30	1233	13.16	1260	14.00	1312	15.70	1363	17.48	1411	19.23
18119	2400	1142	10.52	1175	11.35	1205	12.22	1234	13.16	1261	14.08	1288	14.97	1338	16.71	1388	18.54	1435	20.39
18875	2500	1170	11.36	1202	12.24	1233	13.10	1262	14.05	1289	15.02	1315	15.97	1365	17.82	1413	19.63	1460	21.58
19629	2600	1198	12.23	1230	13.17	1261	14.08	1291	14.96	1317	15.99	1343	17.00	1393	18.95	1440	20.85	1486	22.79
21139	2800	1255	14.08	1286	15.15	1317	16.18	1346	17.16	1374	18.13	1400	19.13	1449	21.32	1495	23.43	1539	25.48
22649	3000	1312	16.19	1344	17.28	1373	18.43	1401	19.54	1429	20.61	1455	21.65	1505	23.80	1551	26.14	1594	28.41
24159	3200	1369	18.53	1401	19.68	1431	20.85	1458	22.08	1485	23.27	1511	24.43	1561	26.66	1607	28.98	1650	31.47
25669	3400	1427	21.10	1457	22.35	1487	23.57	1516	24.79	1542	26.11	1567	27.39	1616	29.85	1663	32.20	1707	34.67
27179	3600	1488	23.94	1516	25.24	1544	26.57	1572	27.87	1600	29.13	1625	30.53	1672	33.24	1718	35.81	1762	38.30
28689	3800	1550	27.00	1576	28.44	1602	29.80	1629	31.21	1656	32.58	1682	33.92	1729	36.83	1774	39.64	1817	42.35
30199	4000	1612	30.28	1638	31.87	1663	33.37	1687	34.79	1713	36.28	1738	37.74	1787	40.61	1831	43.69	1873	46.63
31709	4200	1678	34.15	1700	35.54	1724	37.19	1748	38.75	1771	40.24	1795	41.80	1844	44.83	1888	47.94	1930	51.14

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13589	1800	1354	15.87	1409	17.48	1466	19.14	1520	20.81	1576	22.57	1631	24.33	1684	26.10	1739	27.79		
14344	1900	1370	16.77	1422	18.43	1474	20.11	1528	21.86	1580	23.62	1632	25.43	1685	27.29	1736	29.15	1786	31.02
15099	2000	1389	17.72	1439	19.42	1488	21.16	1536	22.90	1588	24.75	1638	26.60	1686	28.46	1737	30.40	1787	32.36
16609	2200	1432	19.74	1479	21.57	1523	23.40	1568	25.26	1614	27.18	1658	29.09	1702	31.03	1749	33.06	1795	35.10
18119	2400	1481	22.21	1525	24.01	1567	25.82	1609	27.83	1651	29.82	1690	31.81	1733	33.90	1774	35.99	1815	38.07
19629	2600	1531	24.81	1574	26.80	1615	28.76	1655	30.70	1694	32.65	1734	34.82	1772	36.98	1809	39.14	1847	41.34
21139	2800	1581	27.50	1624	29.69	1665	31.85	1704	33.98	1743	36.09	1780	38.18	1816	40.25	1853	42.57	1889	44.90
22649	3000	1635	30.61	1675	32.77	1715	35.05	1754	37.38	1792	39.69	1829	41.97	1865	44.23	1899	46.47	1933	48.70
24159	3200	1691	33.90	1730	36.27	1768	38.59	1805	40.89	1842	43.40	1879	45.88	1914	48.34	1948	50.78	1982	53.19
25669	3400	1747	37.33	1785	39.92	1823	42.46	1859	44.95	1894	47.39	1929	49.92	1964	52.58	1998	55.21	2032	57.82
27179	3600	1803	40.90	1841	43.73	1878	46.49	1914	49.19	1949	51.85	1983	54.46	2016	57.04	2049	59.78	2082	62.59
28689	3800	1859	44.97	1898	47.67	1935	50.67	1970	53.60	2004	56.48	2038	59.31	2070	62.09	2102	64.84	2133	67.55
30199	4000	1914	49.47	1954	52.23	1992	55.00	2026	58.17	2060	61.28	2093	64.33	2125	67.33	2157	70.29	2187	73.21
31709	4200	1970	54.22	2009	57.20	2047	60.10	2083	62.94	2117	66.24	2149	69.53	2181	72.76				



CENTRIFUGAL FAN TYPE B.I.

SIZE 300

WHEEL DIA. 30"

OUTLET AREA 9.27 SQ FT

LIMIT LOAD HP = 13.33 ($\frac{RPM}{1,000}$)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7415	800	341	0.52	378	0.69	411	0.87	443	1.07	472	1.26	500	1.47	529	1.69				
8342	900	365	0.64	400	0.83	432	1.03	461	1.23	490	1.45	516	1.67	542	1.89	592	2.38		
9269	1000	390	0.79	423	0.99	454	1.20	482	1.42	508	1.65	534	1.89	559	2.13	604	2.62	650	3.16
10196	1100	415	0.96	446	1.18	476	1.41	503	1.64	529	1.88	553	2.13	576	2.38	621	2.92	663	3.46
11123	1200	442	1.16	471	1.39	499	1.64	525	1.89	550	2.14	574	2.41	596	2.68	639	3.24	680	3.82
12050	1300	470	1.39	497	1.64	522	1.89	548	2.16	572	2.44	595	2.71	617	3.00	658	3.58	698	4.20
12977	1400	499	1.66	523	1.91	548	2.19	571	2.47	595	2.76	617	3.06	638	3.35	679	3.97	716	4.60
13904	1500	528	1.97	550	2.23	573	2.52	596	2.82	618	3.12	640	3.43	661	3.75	700	4.38	736	5.06
14831	1600	558	2.33	578	2.59	599	2.88	621	3.20	642	3.51	663	3.84	683	4.18	722	4.85	757	5.54
15758	1700	588	2.72	607	2.99	626	3.28	647	3.62	667	3.96	686	4.29	706	4.64	744	5.36	779	6.07
16685	1800	618	3.14	636	3.45	654	3.75	673	4.07	693	4.43	711	4.79	730	5.15	766	5.90	801	6.66
17612	1900	649	3.65	666	3.95	683	4.26	700	4.59	718	4.96	737	5.33	754	5.71	790	6.49	823	7.29
18539	2000	680	4.21	695	4.50	712	4.81	728	5.17	745	5.52	763	5.92	780	6.32	813	7.12	846	7.95
19466	2100	711	4.82	725	5.10	741	5.44	756	5.80	772	6.16	789	6.55	805	6.97	837	7.81	869	8.67
20393	2200	742	5.50	755	5.75	770	6.13	785	6.47	800	6.86	815	7.23	831	7.68	863	8.55	893	9.43
21320	2300	774	6.23	786	6.49	800	6.86	814	7.22	829	7.61	843	8.01	857	8.42	888	9.34	917	10.26
22247	2400	805	7.02	817	7.30	830	7.65	844	8.04	857	8.42	871	8.85	885	9.25	914	10.19	943	11.15
23174	2500	837	7.87	848	8.19	860	8.49	873	8.92	886	9.31	900	9.74	913	10.18	940	11.10	968	12.09
24101	2600	868	8.80	880	9.13	891	9.42	903	9.86	916	10.28	928	10.68	941	11.15	966	12.05	994	13.10
25028	2800	932	10.84	942	11.25	953	11.57	963	11.92	975	12.41	987	12.86	998	13.28	1022	14.28	1046	15.28
27809	3000	995	13.18	1005	13.66	1015	14.03	1025	14.37	1035	14.80	1046	15.32	1057	15.80	1079	16.79	1101	17.83
29663	3200	1059	15.82	1069	16.39	1078	16.82	1087	17.19	1096	17.54	1106	18.07	1116	18.61	1136	19.60	1157	20.73

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11123	1200	718	4.41	756	5.03	793	5.71												
12050	1300	735	4.83	771	5.47	804	6.12	840	6.85	875	7.59								
12977	1400	753	5.27	788	5.96	821	6.64	853	7.33	885	8.08	918	8.87						
13904	1500	771	5.73	805	6.46	838	7.19	870	7.92	900	8.66	929	9.41	990	11.10				
14831	1600	791	6.27	823	6.97	856	7.76	887	8.54	917	9.32	945	10.11	1001	11.73	1058	13.53		
15758	1700	812	6.82	844	7.59	874	8.34	904	9.17	934	10.01	962	10.83	1016	12.50	1069	14.26	1123	16.17
16685	1800	833	7.40	865	8.22	894	9.03	923	9.83	952	10.70	980	11.59	1033	13.33	1084	15.11	1134	16.99
17612	1900	855	8.08	886	8.88	915	9.75	943	10.60	970	11.44	998	12.35	1051	14.21	1100	16.05	1148	17.94
18539	2000	878	8.80	908	9.63	936	10.48	964	11.39	991	12.29	1017	13.18	1068	15.10	1118	17.05	1165	18.99
19466	2100	900	9.55	930	10.44	958	11.30	985	12.20	1012	13.16	1037	14.11	1086	15.99	1135	18.06	1182	20.10
20393	2200	923	10.33	952	11.28	980	12.20	1007	13.10	1033	14.06	1058	15.06	1106	17.04	1153	19.08	1199	21.23
21320	2300	946	11.20	975	12.15	1002	13.14	1029	14.10	1054	15.04	1079	16.04	1127	18.13	1172	20.18	1217	22.38
22247	2400	970	12.10	998	13.09	1025	14.10	1051	15.13	1076	16.13	1101	17.11	1148	19.25	1192	21.41	1235	23.54
23174	2500	995	13.09	1022	14.10	1048	15.12	1074	16.19	1099	17.26	1123	18.30	1169	20.39	1213	22.68	1255	24.91
24101	2600	1020	14.13	1045	15.15	1071	16.23	1097	17.30	1121	18.42	1145	19.52	1191	21.66	1234	23.96	1276	26.32
25028	2800	1071	16.40	1096	17.52	1119	18.63	1143	19.77	1167	20.92	1190	22.09	1235	24.48	1277	26.79	1318	29.21
27809	3000	1123	18.93	1147	20.13	1170	21.33	1192	22.52	1214	23.71	1237	24.96	1280	27.47	1322	30.02	1362	32.50
29663	3200	1177	21.82	1199	23.02	1221	24.30	1243	25.57	1264	26.86	1284	28.11	1326	30.75	1367	33.43	1406	36.16
31517	3400	1234	25.13	1253	26.28	1273	27.57	1294	28.94	1315	30.26	1335	31.65	1373	34.33	1413	37.15	1451	40.01
33371	3600	1291	28.74	1309	30.02	1327	31.23	1346	32.60	1366	34.05	1386	35.45	1423	38.35	1460	41.21	1497	44.19
35225	3800	1349	32.77	1366	34.08	1383	35.42	1400	36.70	1419	38.11	1437	39.66	1474	42.66	1509	45.71	1544	48.75
37079	4000	1408	37.31	1424	38.51	1440	39.95	1457	41.36	1473	42.70	1490	44.14	1526	47.37	1560	50.55	1593	53.73
38933	4200	1467	42.24	1482	43.56	1497	44.81	1513	46.36	1529	47.84	1545	49.25	1578	52.43	1611	55.76	1644	59.13

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16685	1800	1184	19.01																
17612	1900	1195	19.92	1243	22.06														
18539	2000	1209	20.98	1254	23.06	1300	25.30	1346	27.61										
20393	2200	1243	23.37	1286	25.52	1326	27.70	1367	29.93	1409	32.39	1450	34.86	1492	37.46				
22247	2400	1279	25.90	1320	28.24	1360	30.58	1399	32.91	1437	35.30	1473	37.67	1512	40.27	1550	42.97	1587	45.67
24101	2600	1316	28.64	1356	31.04	1396	33.60	1434	36.14	1471	38.66	1507	41.18	1542	43.77	1576	46.34	1609	48.94
25028	2800	1358	31.77	1395	34.28	1432	36.76	1469	39.44	1506	42.19	1541	44.93	1576	47.65	1610	50.36	1642	53.12
27809	3000	1400	35.02	1437	37.77	1473	40.48	1508	43.16	1542	45.81	1577	48.74	1611	51.68	1644	54.62	1677	57.54
29663	3200	1444	38.81	1480	41.41	1515	44.33	1550	47.24	1583	50.12	1615	52.97	1647	55.79	1680	58.94	1712	62.08
31517	3400	1488	42.91	1524	45.75	1558	48.52	1592	51.46	1625	54.58	1657	57.66	1688	60.71	1718	63.74	1748	66.73
33371	3600	1533	47.21	1568	50.30	1602	53.32	1635	56.28	1667	59.19	1699	62.50	1730	65.79	1760	69.04	1789	72.27
35225	3800	1580	51.89	1614	55.06	1647	58.33	1680	61.53	1711	64.68	1742	67.78	1772	71.00	1802	74.50	1831	77.97
37079	4000	1627	56.95	1660	60.26	1693	63.56	1725	67.02	1756	70.41	1786	73.75	1816	77.03	1844	80.27	1873	83.82
38933	4200	1675	62.46	1707	65.84	1739	69.32	1770	72.73	1801	76.38	1831	79.97	1860	83.50	1888	86.98	1916	90.41

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



SIZE 330

**DOUBLE WIDTH
DOUBLE INLET**

CENTRIFUGAL FAN TYPE B.I.

WHEEL DIA. 33"

OUTLET AREA 11.27 SQ

LIMIT LOAD HP = 21.47 ($\frac{RPM}{1,000}$)³

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9015	800	311	0.64	345	0.84	375	1.06	403	1.30	430	1.54	455	1.78	481	2.05				
10142	900	332	0.79	365	1.02	394	1.25	420	1.50	446	1.76	470	2.03	493	2.30	538	2.89		
11269	1000	355	0.96	385	1.21	413	1.47	439	1.73	463	2.01	486	2.30	509	2.59	550	3.19	591	3.84
12396	1100	379	1.17	407	1.44	434	1.72	458	2.00	482	2.29	504	2.59	525	2.90	566	3.56	603	4.21
13523	1200	403	1.42	429	1.70	455	2.00	479	2.31	501	2.61	523	2.93	543	3.26	582	3.94	619	4.65
14650	1300	429	1.71	453	2.00	476	2.31	499	2.64	521	2.98	542	3.30	562	3.65	599	4.36	635	5.11
15777	1400	455	2.03	477	2.33	499	2.67	521	3.02	542	3.37	562	3.73	582	4.08	618	4.84	652	5.60
16904	1500	482	2.42	502	2.73	523	3.07	543	3.44	563	3.81	583	4.19	602	4.58	637	5.33	671	6.16
18031	1600	509	2.85	528	3.17	547	3.52	566	3.90	585	4.29	604	4.69	623	5.10	657	5.92	690	6.75
19158	1700	536	3.33	554	3.66	571	4.02	590	4.42	608	4.83	626	5.24	644	5.67	678	6.54	710	7.40
20285	1800	564	3.85	580	4.22	597	4.59	614	4.98	632	5.42	649	5.86	665	6.29	699	7.20	730	8.13
21412	1900	592	4.47	607	4.84	623	5.21	639	5.61	655	6.06	672	6.51	688	6.98	720	7.92	750	8.89
22539	2000	621	5.16	635	5.51	649	5.89	664	6.32	679	6.74	695	7.24	711	7.72	741	8.69	771	9.69
23666	2100	649	5.91	662	6.25	676	6.67	690	7.09	704	7.53	719	8.01	734	8.52	764	9.53	792	10.58
24793	2200	678	6.74	690	7.04	703	7.50	716	7.91	730	8.40	743	8.84	758	9.38	787	10.45	814	11.51
25920	2300	706	7.63	718	7.96	730	8.40	743	8.84	756	9.32	769	9.80	782	10.29	810	11.41	836	12.53
27047	2400	735	8.61	746	8.96	758	9.37	770	9.85	782	10.30	795	10.83	807	11.32	834	12.46	859	13.62
28174	2500	764	9.66	775	10.04	785	10.40	797	10.93	809	11.40	821	11.92	833	12.45	857	13.56	883	14.76
29301	2600	793	10.79	803	11.20	813	11.55	824	12.08	836	12.59	847	13.07	859	13.65	881	14.72	906	16.00
31555	2800	851	13.30	860	13.79	870	14.19	879	14.60	890	15.20	901	15.75	911	16.25	932	17.47	954	18.67
33809	3000	909	16.16	918	16.75	927	17.21	935	17.62	945	18.13	955	18.76	965	19.35	984	20.54	1004	21.81
36063	3200	967	19.38	976	20.10	984	20.62	992	21.09	1000	21.51	1009	22.13	1019	22.80	1037	24.01	1056	25.36

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13523	1200	654	5.37	687	6.12	722	6.94												
14650	1300	669	5.88	701	6.65	732	7.44	764	8.32	796	9.65								
15777	1400	685	6.42	717	7.25	747	8.08	776	8.92	805	9.82	835	10.77						
16904	1500	702	6.97	733	7.86	763	8.75	792	9.63	819	10.54	845	11.44	901	13.48				
18031	1600	721	7.63	750	8.49	779	9.44	807	10.39	834	11.34	860	12.29	911	14.26	963	16.44		
19158	1700	740	8.31	768	9.24	796	10.16	824	11.16	850	12.18	876	13.18	925	15.21	973	17.33	1021	19.65
20285	1800	759	9.02	788	10.02	815	11.00	840	11.97	866	13.03	892	14.10	941	16.23	986	18.38	1031	20.64
21412	1900	779	9.86	807	10.81	834	11.87	859	12.91	884	13.94	908	15.03	957	17.29	1002	19.53	1045	21.82
22539	2000	800	10.73	827	11.74	853	12.76	878	13.88	902	14.97	926	16.05	973	18.37	1018	20.74	1060	23.10
23666	2100	820	11.65	847	12.73	873	13.78	897	14.87	921	16.04	945	17.19	989	19.46	1034	21.97	1076	24.46
24793	2200	841	12.61	868	13.75	893	14.88	917	15.98	941	17.12	964	18.35	1008	20.75	1050	23.21	1092	25.84
25920	2300	863	13.67	889	14.82	914	16.02	937	17.19	961	18.34	983	19.54	1026	22.09	1067	24.58	1108	27.23
27047	2400	884	14.77	910	15.98	934	17.20	958	18.45	981	19.67	1003	20.86	1046	23.45	1086	26.08	1125	28.67
28174	2500	907	15.98	931	17.21	955	18.46	979	19.75	1001	21.05	1023	22.31	1065	24.84	1105	27.62	1144	30.35
29301	2600	930	17.26	953	18.51	977	19.81	999	21.10	1022	22.47	1043	23.81	1085	26.42	1124	29.19	1162	32.06
31555	2800	977	20.04	999	21.40	1021	22.75	1042	24.13	1064	25.53	1085	26.95	1125	29.86	1164	32.67	1201	35.59
33809	3000	1025	23.14	1046	24.60	1067	26.05	1087	27.51	1107	28.94	1127	30.46	1167	33.50	1204	36.61	1241	39.63
36063	3200	1074	26.69	1094	28.14	1114	29.70	1133	31.23	1152	32.80	1171	34.33	1209	37.53	1246	40.78	1281	44.10
38317	3400	1126	30.75	1143	32.15	1161	33.69	1180	35.36	1199	36.96	1217	38.65	1252	41.90	1288	45.34	1323	48.80
40571	3600	1178	35.17	1195	36.74	1211	38.21	1228	39.83	1246	41.61	1264	43.32	1298	46.84	1331	50.30	1365	53.93
42825	3800	1231	40.13	1246	41.70	1262	43.34	1278	44.89	1294	46.58	1311	48.46	1344	52.10	1376	55.82	1408	59.50
45079	4000	1285	45.69	1299	47.15	1314	48.88	1329	50.60	1344	52.23	1359	53.94	1391	57.89	1423	61.74	1453	65.63
47333	4200	1339	51.73	1353	53.34	1367	54.85	1381	56.73	1395	58.53	1409	60.25	1439	64.07	1469	68.14	1499	72.22

CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
20285	1800	1077	23.10																
21412	1900	1087	24.21	1131	26.80	1175	31.89												
22539	2000	1101	25.52	1141	28.01	1183	30.74	1224	35.00										
24793	2200	1132	28.44	1170	31.04	1207	33.70	1243	36.36	1282	39.35	1319	42.36	1357	48.76				
27047	2400	1164	31.51	1202	34.37	1239	37.20	1274	40.04	1308	42.93	1341	45.82	1375	48.93	1410	52.20	1444	55.48
29301	2600	1199	34.88	1234	37.77	1271	40.88	1305	43.97	1339	47.05	1372	50.11	1403	53.24	1434	56.37	1465	59.50
31555	2800	1237	38.70	1271	41.76	1304	44.77	1338	47.99	1371	51.34	1403	54.66	1435	57.98	1465	61.28	1495	64.61
33809	3000	1275	42.65	1309	46.01	1342	49.31	1374	52.57	1404	55.79	1436	59.30	1467	62.89	1497	66.45	1527	70.01
36063	3200	1315	47.33	1348	50.50	1380	54.00	1412	57.55	1442	61.05	1471	64.52	1500	67.95	1530	71.72	1559	75.54
38317	3400	1356	52.34	1388	55.79	1420	59.17	1450	62.69	1480	66.48	1509	70.24	1537	73.95	1565	77.63	1592	81.28
40571	3600	1398	57.58	1429	61.34	1460	65.02	1490	68.63	1519	72.17	1548	76.13	1576	80.14	1603	84.10	1630	88.03
42825	3800	1440	63.33	1471	67.15	1501	71.14	1531	75.04	1559	78.88	1587	82.65	1614	86.49	1641	90.75	1668	94.97
45079	4000	1483	69.51	1513	73.54	1543	77.52	1572	81.74	1600	85.87	1627	89.94	1654	93.94	1680	97.89	1706	102.1
47333	4200	1528	76.28	1556	80.36	1585	84.60	1613	88.75	1641	93.16	1668	97.53	1695	101.8	1721	106.0	1746	110.3

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.



CENTRIFUGAL FAN TYPE B.I.

SIZE 365

WHEEL DIA. 36 1/2"

OUTLET AREA 13.79 SQ FT

LIMIT LOAD HP = 24.33 (RPM/1,000)³

DOUBLE WIDTH
DOUBLE INLET

CFM	O. V. FPM	1/4" SP		3/8" SP		1/2" SP		5/8" SP		3/4" SP		7/8" SP		1" SP		1 1/4" SP		1 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11031	800	283	0.78	315	1.03	341	1.29	365	1.56	388	1.86	412	2.16	440	2.47				
12410	900	302	0.96	333	1.24	360	1.52	383	1.81	404	2.10	425	2.45	446	2.79	491	3.47		
13789	1000	324	1.20	350	1.48	378	1.78	401	2.11	422	2.43	441	2.75	460	3.11	498	3.87	535	4.61
15168	1100	347	1.47	370	1.76	395	2.09	420	2.43	440	2.79	459	3.15	477	3.50	512	4.28	546	5.11
16547	1200	370	1.78	392	2.11	413	2.44	437	2.81	459	3.17	478	3.57	495	3.96	528	4.72	560	5.60
17926	1300	393	2.12	414	2.51	434	2.85	454	3.22	476	3.62	497	4.01	514	4.45	546	5.29	576	6.10
19305	1400	417	2.49	437	2.94	456	3.33	474	3.69	493	4.11	513	4.54	533	4.96	565	5.88	594	6.78
20684	1500	442	2.99	460	3.42	478	3.86	495	4.25	512	4.66	530	5.11	550	5.57	584	6.50	613	7.49
22063	1600	467	3.55	484	3.93	501	4.43	517	4.87	533	5.28	549	5.73	566	6.22	602	7.19	631	8.22
23442	1700	492	4.19	507	4.49	524	5.06	540	5.55	555	6.00	570	6.43	584	6.92	618	7.96	650	8.98
24821	1800	517	4.91	532	5.20	547	5.72	563	6.28	577	6.78	592	7.25	605	7.71	635	8.78	667	9.88
26200	1900	542	5.70	557	6.01	571	6.44	586	7.06	600	7.62	614	8.14	627	8.63	653	9.66	684	10.83
27579	2000	568	6.58	582	6.90	595	7.22	609	7.89	623	8.51	636	9.08	649	9.62	674	10.65	701	11.83
28958	2100	593	7.54	607	7.88	620	8.22	633	8.78	646	9.46	659	10.09	672	10.68	696	11.77	720	12.92
30337	2200	619	8.60	632	8.96	644	9.32	657	9.71	670	10.47	682	11.16	694	11.80	718	12.98	740	14.11
31716	2300	645	9.76	657	10.14	669	10.51	681	10.88	693	11.53	705	12.29	717	12.99	740	14.27	762	15.46
33095	2400	671	11.01	683	11.41	694	11.80	706	12.19	717	12.65	729	13.48	741	14.24	763	15.64	784	16.92
34474	2500	697	12.38	708	12.79	720	13.20	731	13.60	741	14.00	752	14.73	764	15.57	786	17.08	807	18.46
35853	2600	723	13.85	734	14.29	745	14.71	756	15.13	766	15.55	776	16.05	787	16.95	809	18.59	829	20.07
38611	2800	775	17.15	786	17.62	796	18.08	806	18.54	816	18.99	825	19.44	835	19.92	855	21.84	875	23.55
41369	3000	828	20.95	837	21.45	847	21.95	857	22.44	866	22.93	875	23.41	884	23.89	902	25.38	921	27.35
44127	3200	880	25.27	890	25.81	899	26.35	908	26.87	916	27.40	925	27.92	934	28.43	950	29.45	968	31.48

CFM	O. V. FPM	1 3/4" SP		2" SP		2 1/4" SP		2 1/2" SP		2 3/4" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
16547	1200	591	6.51	623	7.40	660	8.34												
17926	1300	605	7.07	634	8.07	663	9.04	692	10.00										
19305	1400	621	7.66	649	8.71	675	9.78	702	10.83	729	11.87	760	12.94						
20684	1500	640	8.45	665	9.39	690	10.50	715	11.65	740	12.78	765	13.91	823	16.21				
22063	1600	658	9.27	683	10.29	707	11.29	731	12.45	754	13.68	777	14.90	825	17.29	880	19.77		
23442	1700	677	10.12	701	11.23	725	12.31	748	13.38	770	14.55	792	15.86	836	18.45	881	20.98	933	23.62
24821	1800	695	11.00	720	12.19	743	13.36	766	14.51	787	15.64	808	16.82	850	19.58	892	22.31	934	24.99
26200	1900	713	11.98	739	13.19	762	14.45	784	15.68	805	16.90	826	18.09	866	20.70	905	23.61	945	26.48
27579	2000	730	13.06	757	14.26	781	15.56	803	16.89	824	18.19	844	19.47	883	21.98	921	24.89	958	27.96
28958	2100	747	14.20	774	15.48	800	16.74	822	18.13	842	19.52	862	20.88	901	23.56	937	26.18	973	29.39
30337	2200	764	15.38	791	16.76	816	18.09	841	19.40	861	20.88	881	22.33	919	25.18	955	27.97	989	30.83
31716	2300	784	16.72	808	18.08	833	19.51	857	20.90	880	22.27	900	23.82	938	26.85	973	29.80	1007	32.69
33095	2400	805	18.13	826	19.51	850	20.98	874	22.46	897	23.90	919	25.34	956	28.55	991	31.68	1025	34.74
34474	2500	827	19.74	847	21.08	867	22.51	891	24.08	914	25.61	936	27.11	975	30.29	1010	33.60	1043	36.83
35853	2600	849	21.45	868	22.76	887	24.23	908	25.76	931	27.38	952	28.97	994	32.07	1029	35.56	1062	38.97
38611	2800	894	25.13	912	26.62	930	28.04	948	29.56	966	31.15	986	32.88	1027	36.32	1066	39.67	1099	43.38
41369	3000	939	29.16	957	30.86	974	32.46	991	34.00	1007	35.52	1024	37.25	1061	40.86	1100	44.55	1136	48.14
44127	3200	986	33.54	1003	35.46	1019	37.27	1035	38.99	1051	40.65	1066	42.25	1098	45.84	1133	49.73	1169	53.66
46885	3400	1032	38.27	1049	40.44	1065	42.47	1080	44.40	1096	46.25	1111	48.03	1140	51.44	1169	55.33	1203	59.52
49643	3600	1080	43.34	1095	45.79	1111	48.07	1126	50.23	1141	52.28	1155	54.26	1184	58.02	1211	61.71	1239	65.83
52401	3800	1128	49.26	1143	51.51	1158	54.07	1172	56.47	1187	58.76	1201	60.94	1228	65.09	1255	69.00	1281	72.96
55159	4000	1177	56.49	1190	57.76	1205	60.46	1219	62.14	1233	65.67	1247	68.09	1273	72.65	1299	76.94	1324	81.03
57917	4200	1227	64.43	1240	65.77	1252	67.23	1266	70.21	1280	73.02	1293	75.69	1319	80.71	1344	85.40	1368	89.86

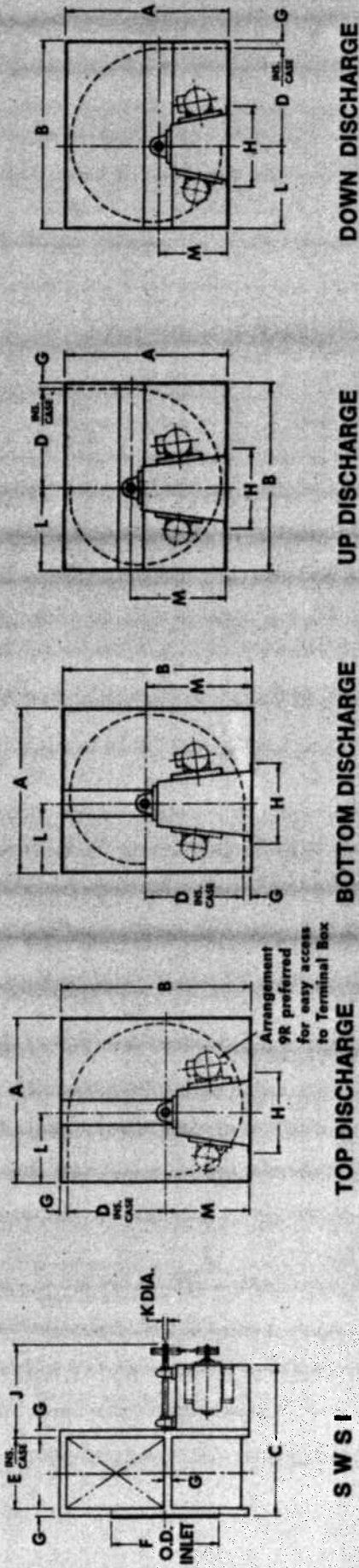
CFM	O. V. FPM	5" SP		5 1/2" SP		6" SP		6 1/2" SP		7" SP		7 1/2" SP		8" SP		8 1/2" SP		9" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
24821	1800	982	27.76																
26200	1900	985	29.31	1028	32.18														
27579	2000	996	30.97	1034	33.95	1071	36.90												
30337	2200	1024	34.21	1057	37.58	1092	40.89	1126	44.18	1161	47.42	1204	50.91						
33095	2400	1057	37.74	1089	41.09	1120	44.78	1150	48.46	1182	52.08	1214	55.67	1246	59.23	1277	62.77	1320	66.71
35853	2600	1093	42.31	1123	45.60	1153	48.84	1182	52.60	1211	56.60	1239	60.59	1268	64.54	1297	68.43	1326	72.32
38611	2800	1130	47.07	1160	50.70	1189	54.28	1217	57.80	1243	61.28	1271	65.37	1298	69.67	1324	73.97	1350	78.26
41369	3000	1168	52.03	1197	56.01	1226	59.93	1253	63.80	1280	67.61	1305	71.38	1331	75.11	1356	79.39	1381	84.00
44127	3200	1204	57.51	1235	61.51	1263	65.80	1290	70.01	1316	74.17	1342	78.28	1367	82.34	1391	86.36	1414	90.35
46885	3400	1237	63.71	1270	67.81	1301	71.86	1328	76.44	1354	80.96	1379	85.42	1403	89.82	1427	94.18	1451	98.50
49643	3600	1271	70.25	1303	74.70	1334	79.06	1364	83.36	1391	87.96	1416	92.78	1441	97.55	1464	102.3	1487	106.9
52401	3800	1307	77.31	1337	81.95	1368	86.66	1398	91.29	1426	95.85	1454	100.4	1478	105.5	1502	110.6	1525	115.6
55159	4000	1349	85.22	1374	89.81	1402	94.63	1431	99.61	1460	104.5	1488	109.3	1515	114.1	1540	119.1	1562	124.5
57917	4200	1392	94.13	1416	98.53	1440	103.4	1466	108.3	1494	113.6	1521	118.8	1548	123.9	1574	128.9	1600	133.9

Performance based on air at .075 lb. per cu. ft. density (70F 29.92" Hg. Barometer.)

Class II ratings are shown in shaded area.

Some Class III ratings are shown below the shaded area.

DIMENSION TABLES TYPE B.I. SWSI ARR. No. 1 and 9

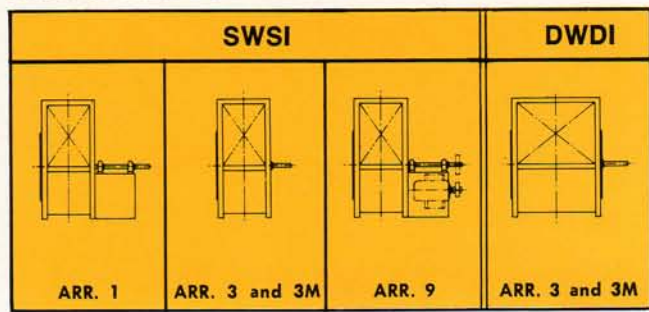


TYPE B.I. SWSI ARRANGEMENT No. 1 and 9

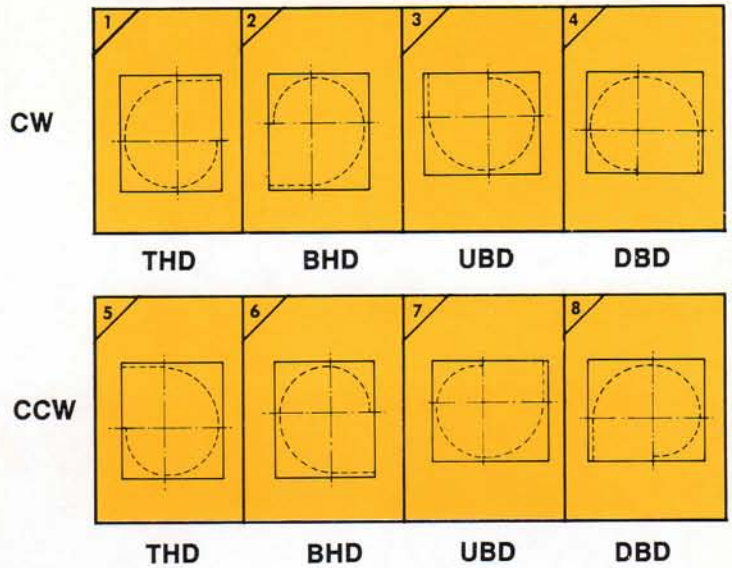
COMMON TO ALL DISCHARGES

FAN SIZE	C		D		E		F		G		H		J		CL 1		CL 2		TOP		BOTTOM		UP		DOWN			
	A	B	Arr. #1 CL 1 & 2	Arr. #9 CL 1	Arr. #9 CL 2	D	E	F	G	H	CL 1	CL 2	ARR. #1 CL 1	ARR. #9 CL 1	ARR. #9 CL 2	K	KEYWAY	K	KEYWAY	L	M	L	M	L	M	L	M	
122	23 1/2	26 3/4	23 3/4	23 3/4	23 3/4	13 3/8	9 1/2	15 1/8	1 1/2	12	1 3/8	1 3/8	16 5/8	16 5/8	17 1/2	3/4 x 1/8	1 3/8	1 3/8	1 3/8	9 5/8	11 7/8	9 5/8	14 1/8	11 7/8	11 7/8	13 3/8	11 7/8	9 5/8
135	25 1/2	29 1/4	24 1/4	26 1/4	26 1/4	14 3/4	10 3/8	17 1/8	1 1/2	13	1 3/8	1 3/8	16 3/4	16 3/4	18 3/4	3/4 x 1/8	1 3/8	1 3/8	1 3/8	10 1/8	13	10 1/8	16 1/4	13	10 1/8	14 1/8	11 1/8	10 1/8
150	27 1/4	32	26	27 3/4	27 3/4	16 1/8	11 3/8	18 3/8	1 1/2	14	1 3/8	1 3/8	17 3/8	17 3/8	18 3/4	3/4 x 1/8	1 3/8	1 3/8	1 3/8	11 1/8	14 1/8	11 1/8	17 3/8	14 1/8	11 1/8	16 3/8	14 1/8	11 1/8
165	30 3/8	35	27 1/2	29 1/2	29 1/2	18	12 3/8	20 3/8	1 1/2	15	1 3/8	1 3/8	17 3/4	17 3/4	19 3/4	3/4 x 1/8	1 3/8	1 3/8	1 3/8	12 1/8	15 1/2	12 1/8	19 1/2	15 1/2	12 1/8	17 1/2	15 1/2	12 1/8
182	34 1/4	39 1/4	30 1/4	34 1/2	34 1/2	19 1/4	14 1/8	23 1/8	2	17	1 3/8	1 3/8	18 3/8	18 3/8	22 3/4	3/4 x 1/8	1 3/8	1 3/8	1 3/8	14 1/8	17 3/8	14 1/8	21 1/8	17 3/8	14 1/8	19 3/8	17 3/8	14 1/8
200	37 1/4	42 1/4	32	35 1/8	35 1/8	21 1/4	15 3/8	25 3/8	2	18	1 3/8	1 3/8	19 3/8	19 3/8	22 3/4	3/4 x 1/8	1 3/8	1 3/8	1 3/8	15 3/8	18 3/4	15 3/8	23 3/4	18 3/4	15 3/8	21 3/4	18 3/4	15 3/8
222	40 3/4	46 3/4	35	36 7/8	36 7/8	24 1/4	17 3/8	27 3/8	2	20	1 3/8	1 3/8	20 3/8	20 3/8	23 3/4	3/4 x 3/8	1 3/8	1 3/8	1 3/8	17 3/8	20 3/8	17 3/8	26 3/8	20 3/8	17 3/8	23 3/8	20 3/8	17 3/8
245	44 1/4	51 1/4	38 3/8	40 1/4	40 1/4	26 3/8	18 3/8	29 3/8	2	22	1 3/8	1 3/8	21 3/8	21 3/8	25	3/4 x 3/8	1 3/8	1 3/8	1 3/8	18 3/8	22 3/8	18 3/8	28 3/8	22 3/8	18 3/8	25 3/8	22 3/8	18 3/8
270	48 3/4	56 1/4	41 3/8	44 3/8	44 3/8	29 3/8	20 3/8	33	2 1/2	24	1 3/8	1 3/8	23 3/8	23 3/8	27 1/4	3/4 x 3/8	1 3/8	1 3/8	1 3/8	20 3/8	24 3/8	20 3/8	31 3/8	24 3/8	20 3/8	28 3/8	24 3/8	20 3/8
300	53 1/4	62 1/4	45 3/8	48 3/8	48 3/8	32 3/8	23 3/8	36	2 1/2	27	1 3/8	1 3/8	24 3/8	24 3/8	29	3/4 x 3/8	1 3/8	1 3/8	1 3/8	22 3/8	27 3/8	22 3/8	35 3/8	27 3/8	22 3/8	31 3/8	27 3/8	22 3/8
330	58 1/2	68	48 3/8	51 3/8	51 3/8	35 3/8	25 3/8	39	2 1/2	29	1 3/8	1 3/8	25 3/8	25 3/8	30 1/2	3/4 x 3/8	1 3/8	1 3/8	1 3/8	24 3/8	29 3/8	24 3/8	38 3/8	29 3/8	24 3/8	34 3/8	29 3/8	24 3/8
365	64 1/4	74 1/4	52 3/8	56 1/4	56 1/4	39 3/8	28 3/8	42 1/2	2 1/2	32	1 3/8	1 3/8	26 3/8	26 3/8	31 3/4	3/4 x 3/8	1 3/8	1 3/8	1 3/8	26 3/8	32 3/8	26 3/8	42 3/8	32 3/8	26 3/8	37 3/8	32 3/8	26 3/8

STANDARD ARRANGEMENTS



ROTATION AND DISCHARGE (From Drive Side)



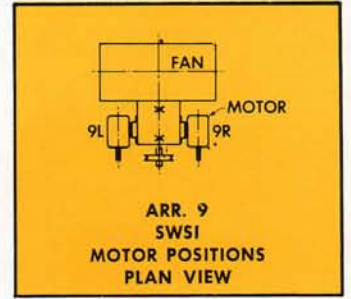
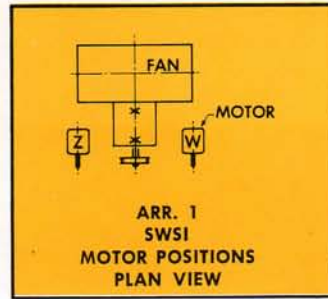
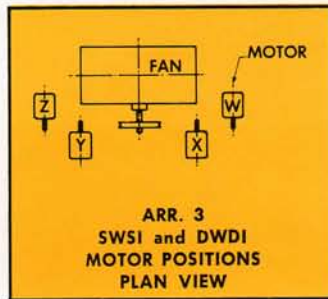
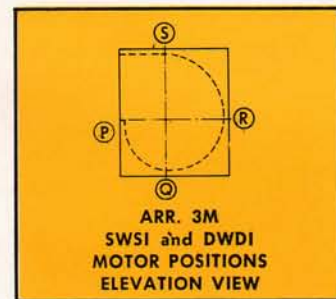
WEIGHTS (Motors and Drives Not Included)

SIZE	SWSI					DWDI	
	ARR. 3 CLASS		ARR. 1 and 9 CLASS 1	ARR. 1 CLASS 2	ARR. 9 CLASS 2	ARR. 3 CLASS	
	1	2				1	2
122	86	86	120	120	125	114	131
135	100	100	141	141	150	134	163
150	140	145	188	193	200	181	224
165	164	177	216	229	232	233	268
182	213	224	278	307	317	291	345
200	244	261	318	356	364	350	404
222	310	334	404	454	457	451	531
245	405	436	543	573	582	603	669
270	477	570	645	803	817	678	951
300	592	628	795	912	930	901	986
330	688	728	926	1059	1074	1038	1150
365	827	882	1110	1276	1300	1323	1420



WEIGHTS SHOWN ARE APPROXIMATELY CORRECT AND MAY BE USED TO CALCULATE VIBRATION ISOLATORS AND SHIPPING WEIGHTS.

STANDARD MOTOR POSITIONS



Arr. 3M motor positions are fixed as shown, and where other discharge is required, motor position rotates with casing to desired outlet location.

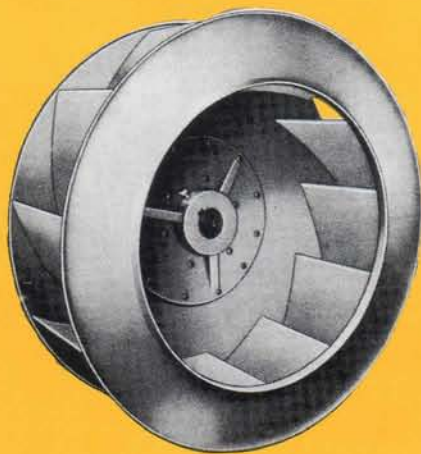
SPECIFY MOTOR POSITION WHEN VIEWING FROM DRIVE SIDE

DENSITY CORRECTION FACTORS FOR TEMPERATURE AND ELEVATION

ELEVATION IN FEET ABOVE SEA LEVEL													
AIR TEMP.	SEA LEVEL	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	9000	10000
BAROMETRIC PRESSURE IN INCHES OF MERCURY													
°F	29.92	28.85	28.33	27.82	27.31	26.81	25.84	24.89	23.98	23.09	22.12	21.38	20.54
-30	1.234	1.191	1.170	1.15	1.128	1.105	1.066	1.028	.987	.956	.914	.883	.847
0	1.152	1.11	1.092	1.072	1.052	1.033	.950	.957	.922	.894	.852	.823	.791
30	1.082	1.043	1.024	1.005	.990	.970	.934	.900	.865	.838	.800	.774	.742
70	1.000	.964	.947	.930	.913	.896	.864	.832	.799	.774	.739	.715	.687
100	.946	.912	.895	.878	.863	.847	.816	.785	.755	.732	.698	.675	.649
150	.869	.838	.824	.807	.793	.779	.750	.722	.695	.672	.642	.622	.596
200	.803	.775	.760	.747	.733	.720	.693	.667	.642	.622	.593	.574	.552
250	.747	.720	.707	.695	.682	.670	.645	.622	.597	.578	.552	.535	.512
300	.697	.672	.660	.647	.636	.625	.602	.579	.557	.540	.515	.498	.478
350	.654	.630	.620	.608	.597	.586	.564	.543	.522	.507	.483	.467	.449
400	.616	.594	.583	.572	.562	.552	.532	.512	.482	.477	.455	.440	.423
500	.553	.534	.524	.514	.505	.496	.478	.460	.442	.428	.409	.396	.380
600	.500	.482	.474	.465	.456	.448	.432	.416	.400	.387	.370	.358	.344
700	.457	.441	.433	.425	.417	.410	.395	.380	.366	.354	.338	.327	.314

SHELDONS

CENTRIFUGAL FAN



TYPE A
Airfoil Wheel



TYPE B.I.
Backward
Inclined Wheel

Illustrated are the two types of wheels available with Sheldon Centrifugal Fans. For complete information on Sheldons Type A Fans, contact the nearest Sheldon representative.



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