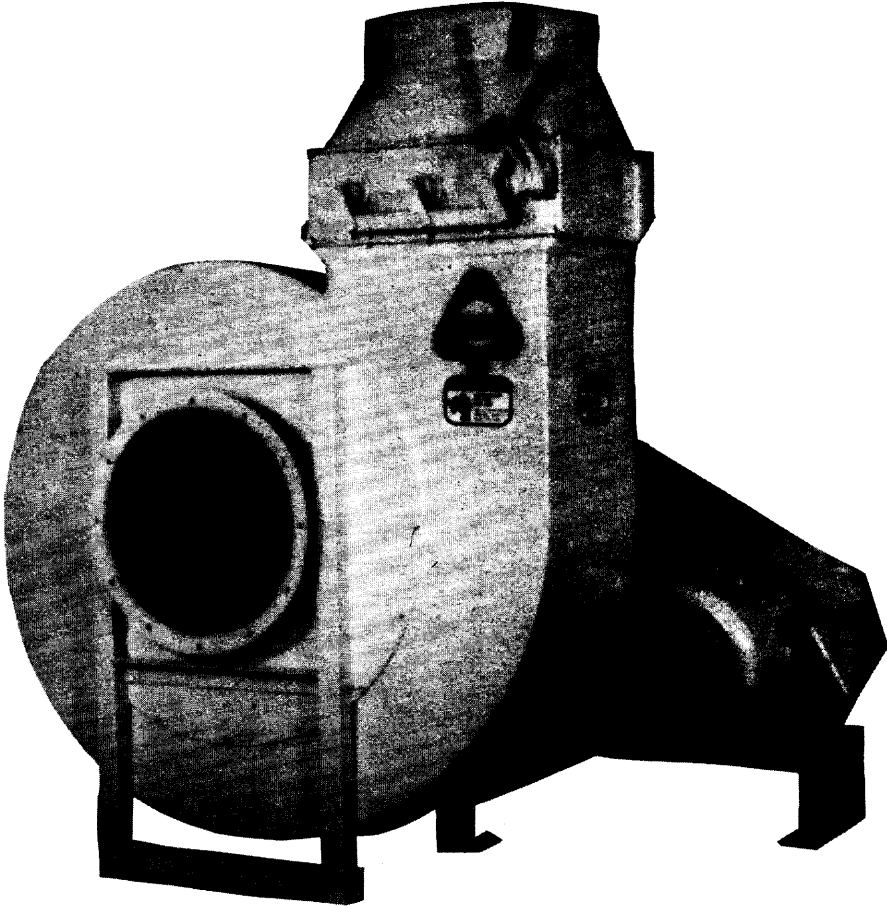
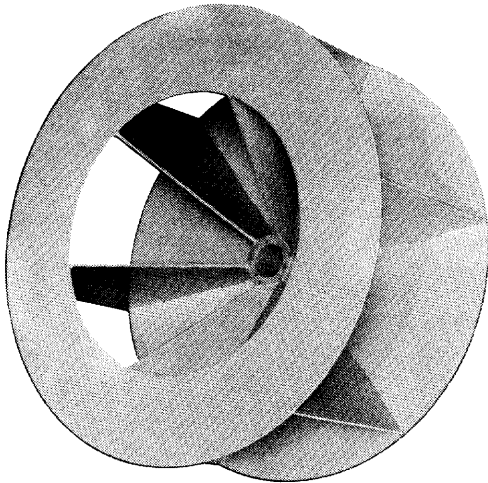




PERFORMANCE CHARTS

"FC" SERIES FANS



FCPC-1

HOW TO USE CAPACITY TABLES

For a given fan size, wheel design, CFM, and static pressure; capacity tables can be used to obtain outlet velocity, wheel RPM and GHP. If capacities are at conditions other than 70°F., sea level or standard density (0.75 lbs./cu. ft.), correction factors must be applied to static pressure and BHP.

1. Select size, RPM and BHP of fan from capacity table.
2. If temperature or altitude is involved, correct for air density (see charts III and IV).
3. Check the maximum safe speed of the fan at the operating temperature as shown in chart I and II.
4. All ratings shown between the gray lines on capacity tables are within five percent of maximum mechanical efficiency.
5. BHP shown includes bearing drag on smaller sizes where such drag is significant.

EXAMPLE: Size FC-13 Fan, to furnish 1840 CFM at 5"SP at 600°F. at .075 lbs./cu. ft. density.

1. Chart I gives a 2.00 factor for 600°F.
2. 5"SPx2.00=10"SP at 70°F.
3. Capacity tables show 1915 RPM, 5.37 BHP for FC-13 at 1840 CFM at 10:SP at 70°F.
4. Divide Bhp and SP by the temperature factor.
 $10 \div 2.00 = 5"SP$
 $5.37 \div 2.00 = 2.68 BHP$
5. Actual performance: 1840 CFM at 5"SP at 1915 RPM at 2.63 BHP at 600°F.

CHART I

MAXIMUM SAFE RPM OF MILD STEEL WHEELS AT VARIOUS TEMPERATURES

SIZE	70°-400°	500°	600°	700°
FC5	4815	4650	4525	4390
FC7	4690	4530	4410	4275
FC9	3650	3525	3430	3330
FC11	3460	3340	3250	3155
FC13	2930	2830	2755	2670
FC15	2530	2440	2380	2305
FC17	2230	2155	2095	2035
FC19	2000	1930	1880	1824
FC21	1810	1750	1700	1650
FC23	1650	1595	1550	1505
FC26	1460	1410	1370	1330
FC29	1310	1265	1230	1195
FC33	1150	1110	1080	1050
FC37	1020	985	960	930
FC41	930	900	875	845
FC45	840	810	790	765
FC49	770	745	725	700

CHART II

MAXIMUM SAFE SPEED FACTORS FOR ALLOY WHEEL CONSTRUCTION

Material	70°	200°	300°	400°	500°	600°	700°	800°	900°	100°
Aluminum	1.00	.97	-	-	-	-	-	-	-	-
304 Stainless	1.00	.89	.82	.78	.75	.73	.71	.70	.68	-
316 Stainless	.25	.32	.88	.86	.83	.80	.78	.77	.76	.75
347 Stainless	1.00	1.00	.99	.97	.97	.96	.96	.96	.95	.94

CALCULATING FANS AT ALTITUDES OTHER THAN SEA LEVEL [29.92]

If speed, capacity and temperature are kept constant, static pressure and horsepower will vary directly as the density of the air. The method for correcting for altitude is the same as for temperature except using the factors in Chart II instead of Chart I.

CHART III

CORRECTION FACTOR FOR TEMPERATURE (°F.)

Temp.	Factor	Temp.	Factor	Temp.	Factor	Temp.	Factor	Temp.	Factor
-50°	.77	30°	1.02	225°	1.29	400°	1.62	750°	2.28
-25°	.82	100°	1.06	250°	1.34	450°	1.72	800°	2.38
0°	.87	120°	1.09	275°	1.39	500°	1.81		
20°	.91	140°	1.13	300°	1.43	550°	1.91		
40°	.94	160°	1.17	325°	1.48	600°	2.00		
60°	.98	180°	1.21	350°	1.53	650°	2.10		
70°	1.00	200°	1.25	375°	1.58	700°	2.19		

CHART IV

CORRECTION FACTORS FOR ALTITUDE (feet above sea level)

Alt.	Factor	Alt.	Factor	Alt.	Factor	Alt.	Factor	Alt.	Factor
0	1.00	2000	1.08	4000	1.16	6000	1.25	8000	1.35
500	1.02	2500	1.10	4500	1.18	6500	1.27	8500	1.37
1000	1.04	3000	1.12	5000	1.20	7000	1.30	9000	1.40
1500	1.06	3500	1.14	5500	1.22	7500	1.32	10000	1.45

NOTE: If correction factor for both temperature and altitude is required, multiply factors from charts III and IV together: 3000° and 600°F. 1.12 x 2.00 = 2.24 (combined factor).

FC—5

Inlet diameter: 5" O.D. Wheel Dia. 8³/₄"
 Outlet Area: .1547 sq. ft. inside Wheel Circ. 2.29 ft.

CFM	O.V.	2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP	
		RPM	BPH	RPM	BPH	RPM	BPH	RPM	BPH	RPM	BPH	RPM	BPH	RPM	BPH	RPM	BPH	RPM	BPH
124	800	2250	0.05	2605	0.08	3000	0.11	3320	0.15	3650	0.18	3940	0.20	4200	0.23	4450	0.25	4675	0.28
186	1200	2280	0.08	2620	0.12	3048	0.15	3350	0.19	3655	0.26	3975	0.28	4198	0.32	4448	0.35	4710	0.36
248	1600	2310	0.09	2702	0.16	3085	0.21	3398	0.24	3686	0.30	4010	0.39	4274	0.42	4496	0.44	4720	0.52
310	2000	2378	0.14	2780	0.20	3150	0.28	3450	0.33	3748	0.37	4060	0.45	4300	0.51	4548	0.58	4752	0.63
372	2400	2500	0.18	2864	0.25	3230	0.32	3530	0.38	3860	0.46	4148	0.57	4348	0.60	4600	0.67	4815	0.77
434	2800	2620	0.24	3015	0.31	3350	0.40	3650	0.47	3958	0.56	4220	0.64	4450	0.70	4670	0.76		
495	3200	2760	0.30	3145	0.38	3450	0.46	3750	0.55	4050	0.64	4315	0.74	4558	0.82	4748	0.87		
557	3600	2915	0.36	3250	0.44	3540	0.54	3910	0.66	4185	0.75	4425	0.83	4650	0.95				
619	4000	3108	0.41	3410	0.53	3742	0.65	4048	0.78	4300	0.86	4542	0.98	4748	1.20				
681	4400	3200	0.47	3542	0.58	3885	0.74	4115	0.85	4410	0.94	4650	1.11						
743	4800	3365	0.60	3700	0.74	4020	0.84	4300	0.98	4552	1.13	4765	1.26						
805	5200	3550	0.71	3900	0.85	4198	0.98	4420	1.14	4660	1.26	4922	1.50						

FC-7

Inlet diameter: 7" O.D. | Wheel diameter: 12 1/4"
 Outlet Area: .3325 sq. ft. inside | Wheel circumference: 3.21 ft.

CFM	OV	3"SP	4"SP	5"SP	6"SP	7"SP	8"SP	10"SP	12"SP	14"SP	16"SP	18"SP
		RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP
465	1400	1898 0.27										
532	1600	1921 0.33	2190 0.44									
599	1800	1949 0.37	2211 0.49	2449 0.62								
665	2000	1979 0.42	2240 0.55	2471 0.68	2686 0.83							
732	2200	2013 0.47	2264 0.61	2499 0.75	2708 0.90	2994 1.06						
798	2400	2052 0.53	2380 0.67	2527 0.82	2736 0.98	2928 1.15	3111 1.32					
865	2600	2075 0.60	2335 0.75	2558 0.90	2764 1.07	2957 1.24	3135 1.42					
931	2800	2141 0.67	2375 0.83	2591 0.99	2794 1.17	2994 1.34	3164 1.53	3492 1.91	3790 2.32			
998	3000	2192 0.75	2419 0.92	2529 1.09	2827 1.27	3014 1.46	3191 1.65	3518 2.05	3813 2.46			
1,064	3200	2245 0.83	2464 1.01	2570 1.19	2863 1.38	3047 1.57	3221 1.77	3547 2.19	3842 2.62	4119 3.07		
1,131	3400	2299 0.72	2514 1.11	2714 1.31	2903 1.50	3082 1.70	3254 1.91	3574 2.34	3871 2.79	4143 3.25	4401 3.73	
1,197	3600	2357 1.01	2564 1.22	2760 1.43	2946 1.63	3120 1.84	3289 2.05	3605 2.50	3928 2.96	4170 3.44	4424 3.92	4667 4.44
1,264	3800	2416 1.12	2620 1.33	2811 1.55	2992 1.77	3163 1.99	3325 2.21	3637 2.66	3927 3.15	4198 3.64	4451 4.15	4690 4.67
1,330	4000	2478 1.23	2676 1.46	2863 1.69	3038 1.92	3206 2.15	3366 2.38	3672 2.84	3957 3.33	4226 3.84	4480 4.38	
1,397	4200	2541 1.35	2734 1.59	2916 1.83	3084 2.07	3253 2.31	3411 2.55	3709 3.04	3991 3.54	4256 4.07	4507 4.61	
1,463	4400	2604 1.45	2794 1.73	2971 1.95	3141 2.24	3301 2.48	3457 2.74	3750 3.25	4026 3.75	4288 4.30	4536 4.84	
1,530	4600	2671 1.62	2855 1.88	3029 2.14	3195 2.40	3352 2.67	3503 2.93	3793 3.46	4063 4.00	4322 4.54	4567 5.11	
1,596	4800	2738 1.77	2918 2.04	3087 2.31	3249 2.58	3405 2.85	3554 3.14	3837 3.69	4103 4.24	4357 4.60	4600 5.38	
1,663	5000	2807 1.93	2981 2.21	3148 2.49	3307 2.77	3459 3.05	3606 3.35	3883 3.93	4146 4.50	4395 5.02	4634 5.67	
1,729	5200	2876 2.10	3047 2.39	3209 2.68	3365 2.97	3514 3.27	3659 3.57	3931 4.17	4190 4.77	4435 5.27	4670 5.97	
1,796	5400			3273 2.88	3425 3.18	3572 3.50	3712 3.80	3981 4.43	4237 5.05	4473 5.67		
1,862	5600			3336 3.09	3487 3.41	3630 3.73	3768 4.05	4034 4.70	4282 5.34	4522 5.99		
1,929	5800			3401 3.32	3548 3.64	3690 3.97	3826 4.31	4087 4.97	4332 5.63	4569 6.31		

FC-9

Inlet diameter: 9" O.D. | Wheel diameter: 15 1/8"
 Outlet Area: .5206 sq. ft. inside | Wheel circumference: 4.09 ft.

CFM	OV	3"SP	4"SP	5"SP	6"SP	7"SP	8"SP	10"SP	12"SP	14"SP	16"SP	18"SP
		RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP
729	1400	1479 0.47										
833	1600	1494 0.53	1706 0.72									
937	1800	1516 0.60	1722 0.79									
1,042	2000	1539 0.67	1743 0.88	1924 1.10								
1,146	2200	1564 0.75	1764 0.97	1944 1.21	2109 1.45							
1,250	2400	1592 0.85	1783 1.08	1966 1.33	2128 1.58	2279 1.85	2422 2.12					
1,354	2600	1625 0.95	1814 1.19	1988 1.45	2150 1.72	2300 2.00	2440 2.28					
1,458	2800	1660 1.06	1843 1.32	2014 1.59	2173 1.87	2322 2.16	2461 2.46	2719 3.08				
1,562	3000	1697 1.18	1874 1.46	2041 1.74	2197 2.03	2344 2.34	2483 2.65	2738 3.30	2972 3.97			
1,666	3200	1737 1.31	1911 1.61	2072 1.91	2224 2.21	2368 2.52	2505 2.85	2759 3.52	2990 4.22	3206 4.95		
1,770	3400	1778 1.45	1947 1.77	2105 2.08	2253 2.40	2394 2.72	2529 3.06	2780 3.75	3011 4.43	3225 5.23	3425 6.07	
1,875	3600	1822 1.61	1987 1.94	2140 2.28	2285 2.61	2423 2.94	2555 3.28	2803 4.01	3033 4.76	3245 5.54	3444 6.33	3633 7.17
1,979	3800	1867 1.77	2028 2.12	2177 2.47	2319 2.83	2454 3.18	2583 3.53	2827 4.27	3054 5.05	3266 5.84	3464 6.68	3652 7.52
2,083	4000	1913 1.94	2069 2.31	2216 2.69	2354 3.05	2487 3.42	2613 3.80	2857 4.55	3077 5.36	3288 6.18	3485 7.04	
2,187	4200	1960 2.13	2113 2.52	2257 2.91	2392 3.29	2522 3.69	2646 4.07	2881 4.83	3102 5.68	3310 6.53	3507 7.47	
2,291	4400	2009 2.33	2153 2.74	2298 3.14	2432 3.54	2558 3.96	2680 4.37	2910 5.18	3128 6.02	3333 6.89	3528 7.80	
2,395	4600	2058 2.55	2205 2.97	2342 3.40	2472 3.82	2595 4.25	2715 4.67	2942 5.52	3155 6.38	3354 7.27	3547 8.21	
2,499	4800	2110 2.79	2251 3.21	2386 3.64	2513 4.09	2636 4.55	2752 4.95	2976 6.38	3185 6.78	3384 7.64	3575 8.63	
2,603	5000	2162 3.04	2299 3.48	2432 3.94	2557 4.40	2677 4.86	2792 5.33	3011 6.26	3217 7.18	3413 8.11	3601 9.07	
2,708	5200	2215 3.30	2349 3.77	2478 4.24	2601 4.71	2718 5.18	2832 5.68	3046 6.64	3250 7.60	3442 8.57	3628 9.65	
2,812	5400			2525 4.55	2646 5.04	2761 5.55	2873 6.04	3084 7.04	3285 8.05	3475 9.04	3656 10.04	
2,916	5600			2574 4.88	2692 5.39	2806 5.91	2914 6.41	3123 7.48	3320 8.51	3508 9.54		
3,020	5800			2623 5.24	2739 5.76	2850 6.29	2958 6.83	3163 7.91	3356 8.97	3542 10.05		

FC-11

Inlet diameter: 11" O.D. | Wheel diameter: 19 1/8"
 Outlet area: .66 sq. ft. inside | Wheel circumference: 5.01 ft.

CFM	Outlet Vel.	4" SP	5" SP	6" SP	7" SP	8" SP	9" SP	10" SP	12" SP	14" SP	16" SP	18" SP	20" SP
		RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP	RPM BHP
660	1000	1431 .84	1601 1.11	1755 1.39	1897 1.69	2031 2.01	2158 2.34	2275 2.69	2496 3.43	2698 4.21	2888 5.05	3068 5.94	3234 6.85
792	1200	1431 .93	1600 1.22	1752 1.52	1894 1.84	2025 2.18	2149 2.53	2268 2.89	2488 3.66	2690 4.47	2881 5.35	3058 6.25	3229 7.21
924	1400	1436 1.04	1600 1.32	1752 1.67	1893 2.01	2023 2.36	2146 2.73	2264 3.11	2483 3.91	2686 4.77	2874 5.67	3051 6.61	3218 7.59
1056	1600	1443 1.15	1605 1.47	1756 1.82	1893 2.18	2025 2.56	2148 2.95	2264 3.35	2481 4.19	2681 5.08	2870 6.02	3042 6.96	3210 7.98
1188	1800	1454 1.26	1613 1.61	1760 1.98	1898 2.36	2027 2.76	2146 3.16	2262 3.58	2480 4.47	2677 5.39	2863 6.35	3041 7.38	3204 8.41
1320	2000	1467 1.39	1624 1.76	1768 2.14	1904 2.55	2030 2.96	2151 3.39	2265 3.84	2478 4.76	2676 5.72	2863 6.74	3039 7.79	3202 8.86
1452	2200	1481 1.52	1636 1.91	1779 2.32	1912 2.74	2036 3.18	2157 3.64	2272 4.11	2482 5.06	2677 6.06	2862 7.12	3035 8.21	3203 9.34
1584	2400	1499 1.66	1652 2.08	1791 2.51	1923 2.95	2047 3.41	2164 3.88	2276 4.37	2484 5.36	2678 6.42	2864 7.51	3038 8.65	3201 9.81
1716	2600	1518 1.82	1668 2.25	1806 2.71	1935 3.16	2058 3.64	2173 4.13	2286 4.65	2494 5.71	2685 6.78	2867 7.92	3038 9.09	3202 10.3
1848	2800	1539 1.99	1687 2.44	1824 2.91	1950 3.39	2072 3.91	2185 4.41	2296 4.94	2499 6.02	2694 7.17	2871 8.33	3042 9.55	3204 10.8
1980	3000	1563 2.18	1708 2.64	1842 3.13	1967 3.64	2086 4.16	2200 4.71	2307 5.24	2510 6.37	2699 7.54	2877 8.76	3046 10.1	3206 11.3
2112	3200	1587 2.37	1728 2.86	1862 3.37	1988 3.91	2103 4.44	2215 4.99	2322 5.56	2522 6.73	2709 7.95	2884 9.19	3051 10.5	3210 11.8
2244	3400	1612 2.59	1753 3.11	1884 3.63	2005 4.17	2120 4.72	2231 5.31	2336 5.89	2533 7.09	2720 8.36	2896 9.67	3062 11.1	3221 12.4
2376	3600	1637 2.81	1778 3.35	1906 3.91	2026 4.46	2141 5.04	2248 5.63	2354 6.24	2549 7.49	2735 8.81	2904 10.1	3069 11.5	3227 12.9
2508	3800	1663 3.06	1801 3.61	1928 4.18	2050 4.77	2162 5.37	2268 5.98	2371 6.61	2564 7.89	2746 9.23	2917 10.6	3080 12.1	3239 13.5
2640	4000	1693 3.33	1827 3.91	1952 4.48	2073 5.11	2184 5.72	2286 6.33	2390 6.99	2582 8.32	2761 9.69	2934 11.1	3092 12.6	3246 14.1
2772	4200	1722 3.61	1855 4.21	1979 4.81	2095 5.44	2206 6.08	2312 6.74	2410 7.39	2600 8.76	2779 10.2	2946 11.6	3108 13.2	3254 14.7
2904	4400	1750 3.91	1882 4.53	2005 5.16	2120 5.81	2227 6.45	2333 7.14	2431 7.82	2619 9.22	2797 10.7	2963 12.2	3123 13.8	3274 15.3
3036	4600	1782 4.23	1911 4.87	2033 5.53	2145 6.19	2251 6.86	2357						

FC-13

Inlet diameter: 13" O.D.
Outlet area: .92 sq. ft. inside

Wheel diameter: 22 $\frac{1}{8}$ "
Wheel circumference: 5.92 ft.

CFM Volume	Outlet Vel.	4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		12" SP		14" SP		16" SP		18" SP		20" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
920	1000	1210	1.17	1353	1.55	1483	1.94	1603	2.36	1717	2.81	1824	3.28	1923	3.76	2110	4.81	2281	5.89	2441	7.06	2593	8.31	2733	9.59
1104	1200	1210	1.31	1352	1.71	1481	2.13	1601	2.58	1712	3.05	1817	3.54	1917	4.05	2103	5.12	2274	6.26	2435	7.49	2585	8.75	2728	10.1
1288	1400	1214	1.45	1353	1.88	1481	2.33	1600	2.81	1710	3.31	1814	3.82	1913	4.36	2099	5.48	2271	6.68	2429	7.93	2579	9.25	2720	10.6
1472	1600	1219	1.61	1356	2.06	1484	2.55	1600	3.05	1711	3.58	1815	4.13	1914	4.69	2097	5.87	2267	7.11	2426	8.42	2571	9.75	2713	11.2
1656	1800	1229	1.77	1363	2.26	1488	2.77	1604	3.31	1713	3.85	1814	4.43	1912	5.02	2096	6.26	2263	7.54	2420	8.89	2561	10.3	2708	11.8
1840	2000	1240	1.94	1373	2.46	1494	3.01	1609	3.57	1716	4.15	1818	4.73	1915	5.37	2095	6.66	2262	8.01	2420	9.43	2569	10.9	2707	12.4
2024	2200	1252	2.13	1383	2.68	1504	3.25	1616	3.84	1721	4.45	1824	5.09	1920	5.75	2098	7.09	2263	8.49	2420	9.96	2565	11.5	2707	13.1
2208	2400	1267	2.33	1397	2.91	1514	3.51	1626	4.13	1730	4.77	1830	5.43	1924	6.11	2100	7.51	2265	8.99	2421	10.5	2568	12.1	2706	13.7
2392	2600	1283	2.55	1410	3.15	1526	3.78	1636	4.43	1739	5.11	1836	5.79	1932	6.51	2108	7.98	2269	9.49	2424	11.1	2568	12.7	2706	14.4
2576	2800	1301	2.78	1426	3.42	1542	4.08	1648	4.75	1751	5.46	1847	6.17	1941	6.92	2113	8.43	2277	10.1	2427	11.7	2572	13.4	2708	15.1
2760	3000	1321	3.05	1443	3.71	1557	4.39	1663	5.09	1764	5.82	1860	6.57	1950	7.34	2122	8.92	2281	10.6	2432	12.3	2575	14.1	2710	15.8
2944	3200	1341	3.32	1461	4.01	1574	4.72	1679	5.46	1778	6.21	1873	6.99	1963	7.79	2132	9.42	2290	11.1	2438	12.9	2579	14.7	2714	16.5
3128	3400	1363	3.62	1482	4.34	1592	5.08	1695	5.83	1792	6.61	1885	7.42	1975	8.24	2141	9.93	2299	11.7	2448	13.5	2588	15.4	2723	17.3
3312	3600	1383	3.94	1503	4.69	1611	5.46	1713	6.24	1810	7.05	1900	7.88	1989	8.74	2154	10.5	2312	12.3	2455	14.2	2594	16.1	2728	18.1
3496	3800	1408	4.27	1523	5.06	1629	5.85	1732	6.68	1828	7.52	1917	8.37	2004	9.24	2167	11.1	2321	12.9	2466	14.8	2604	16.8	2738	18.9
3680	4000	1431	4.66	1545	5.46	1650	6.27	1752	7.14	1846	8.01	1933	8.86	2020	9.78	2182	11.6	2334	13.6	2480	15.6	2614	17.6	2744	19.7
3864	4200	1456	5.05	1568	5.89	1672	6.74	1771	7.61	1865	8.51	1954	9.44	2037	10.3	2198	12.3	2349	14.3	2491	16.3	2627	18.4	2754	20.5
4048	4400	1479	5.47	1591	6.34	1694	7.22	1792	8.13	1882	9.03	1972	9.99	2055	10.9	2214	12.9	2364	15.1	2504	17.1	2640	19.2	2767	21.4
4232	4600	1507	5.93	1615	6.82	1718	7.75	1813	8.66	1903	9.61	1992	10.6	2076	11.6	2232	13.6	2379	15.7	2521	17.9	2653	20.1	2781	22.4
4416	4800	1531	6.39	1639	7.32	1742	8.29	1836	9.24	1926	10.2	2013	11.2	2093	12.2	2253	14.3	2397	16.5	2534	18.7	2666	20.9	2794	23.3
4600	5000	1559	6.91	1665	7.87	1764	8.85	1858	9.85	1949	10.9	2032	11.9	2113	12.9	2269	15.1	2414	17.3	2549	19.5	2681	21.9	2806	24.2
4784	5200	1614	8.01	1718	9.05	1815	10.1	1907	11.2	1992	12.2	2077	13.3	2156	14.4	2308	16.7	2450	19.1	2584	21.3	2713	23.8	2826	26.3
4968	5400	1671	9.21	1771	10.3	1866	11.5	1956	12.6	2042	13.7	2122	14.9	2203	16.1	2349	18.4	2490	20.8	2622	23.3	2751	25.9	2867	28.4
5152	5600	1731	10.6	1827	11.8	1920	13.1	2008	14.2	2090	15.4	2171	16.6	2248	17.8	2395	20.3	2531	22.9	2663	25.5	2787	28.1	2905	30.8
5336	5800	1789	12.1	1885	13.3	1975	14.6	2060	15.9	2141	17.2	2221	18.5	2297	19.8	2439	22.4	2574	25.1	2705	27.8	2826	30.5	2944	33.4

FC-15

Inlet diameter: 15" O.D.
Outlet area: 1.23 sq. ft. inside

Wheel diameter: 26 $\frac{1}{8}$ "
Wheel circumference: 6.84 ft.

CFM Volume	Outlet Vel.	4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP		12" SP		14" SP		16" SP		18" SP		20" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1230	1000	1040	1.58	1167	2.12	1279	2.68	1382	3.28	1479	3.91	1571	4.57	1657	5.27	1818	6.74	1966	8.32	2103	9.98	2234	11.7	2357	13.6
1476	1200	1040	1.74	1163	2.31	1276	2.91	1379	3.52	1475	4.18	1566	4.88	1652	5.61	1812	7.13	1960	8.77	2098	10.5	2229	12.3	2349	14.2
1722	1400	1041	1.91	1163	2.51	1274	3.13	1376	3.78	1472	4.47	1564	5.21	1648	5.95	1808	7.55	1956	9.25	2095	11.1	2222	12.9	2346	14.9
1968	1600	1044	2.11	1164	2.71	1274	3.37	1376	4.06	1470	4.78	1560	5.53	1647	6.33	1804	7.96	1951	9.72	2089	11.6	2219	13.5	2339	15.5
2214	1800	1051	2.31	1167	2.95	1277	3.64	1377	4.36	1471	5.11	1561	5.91	1645	6.72	1802	8.42	1948	10.2	2085	12.1	2215	14.2	2335	16.2
2460	2000	1059	2.53	1174	3.21	1281	3.93	1380	4.67	1473	5.46	1560	6.27	1644	7.11	1803	8.91	1948	10.8	2084	12.8	2212	14.8	2333	17.1
2706	2200	1069	2.78	1183	3.49	1286	4.23	1384	5.02	1476	5.83	1563	6.67	1647	7.55	1803	9.39	1947	11.3	2082	13.4	2208	15.5	2330	17.7
2952	2400	1081	3.04	1193	3.78	1294	4.56	1390	5.37	1481	6.22	1567	7.11	1648	7.99	1804	9.91	1947	11.9	2081	14.1	2206	16.1	2325	18.4
3198	2600	1094	3.32	1204	4.11	1303	4.92	1398	5.77	1489	6.65	1573	7.56	1653	8.48	1808	10.5	1949	12.5	2082	14.7	2206	16.9	2325	19.2
3444	2800	1109	3.64	1215	4.45	1315	5.31	1408	6.19	1497	7.11	1579	8.03	1661	9.02	1810	11.1	1950	13.1	2082	15.3	2207	17.6	2326	20.1
3690	3000	1125	3.97	1229	4.82	1327	5.71	1419	6.63	1505	7.56	1588	8.55	1667	9.54	1816	11.6	1956	13.8	2084	16.1	2207	18.4	2328	20.9
3936	3200	1142	4.33	1246	5.23	1341	6.15	1431	7.09	1517	8.09	1597	9.08	1675	10.1	1822	12.3	1962	14.5	2091	16.9	2214	19.3	2330	21.8
4182	3400	1160	4.71	1262	5.65	1356	6.61	1445	7.61	1529	8.62	1609	9.66	1686	10.7	1832	12.9	1968	15.3	2095	17.6	2217	20.1	2333	22.7
4428	3600	1179	5.12	1279	6.11	1373	7.11	1460	8.14	1543	9.19	1622	10.3	1697	11.4	1841	13.7	1974	16.1	2103	18.5	2221	21.1	2336	23.6
4674	3800	1199	5.56	1298	6.59	1388	7.62	1476	8.71	1556	9.78	1635	10.9	1710	12.1	1850	14.4	1984	16.8	2108	19.3	2228	21.9	2344	24.7
4920	4000	1221	6.04	1316	7.09	1408	8.21	1493	9.31	1573	10.4	1649	11.6	1722	12.7	1862	15.2	1993	17.7	2119	20.3	2235	22.9	2348	25.7
5166	4200	1242	6.53	1336	7.64	1424	8.76	1509	9.92	1588	11.1	1664	12.3	1736	13.5	1876	16.1	2005	18.6	2127	21.2	2246	24.1	2356	26.8
5412	4400	1																							

