

SIZE 122

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 12.25 in. dia.
3.21 ft. circ.

INLET 7 in. O.D.
0.27 Sq. ft. area

OUTLET 6.125 x 6.75 in. O.D.
0.29 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
269	1000	854	0.04	1121	0.07	1343	0.10	1535	0.14								
322	1200	901	0.05	1160	0.09	1369	0.12	1555	0.17	1724	0.21	1877	0.25			2169	0.39
376	1400	952	0.07	1204	0.11	1405	0.15	1583	0.19	1745	0.24	1897	0.29	2037	0.34	2189	0.44
430	1600	1007	0.09	1251	0.13	1449	0.18	1619	0.23	1777	0.28	1922	0.33	2058	0.39	2243	0.55
484	1800	1071	0.11	1300	0.16	1494	0.21	1663	0.27	1813	0.32	1955	0.38	2087	0.43	2212	0.50
537	2000	1141	0.13	1350	0.19	1541	0.25	1706	0.31	1855	0.37	1992	0.43	2120	0.49	2243	0.55
591	2200	1213	0.16	1405	0.23	1591	0.30	1753	0.36	1900	0.42	2034	0.49	2159	0.55	2278	0.62
645	2400	1286	0.20	1468	0.27	1642	0.34	1802	0.41	1945	0.48	2080	0.55	2203	0.62	2318	0.69
699	2600	1363	0.25	1533	0.32	1695	0.39	1852	0.47	1994	0.55	2125	0.62	2248	0.70	2362	0.78
752	2800	1443	0.30	1603	0.37	1753	0.45	1903	0.53	2044	0.62	2172	0.70	2293	0.78	2407	0.87
806	3000	1522	0.35	1675	0.43	1817	0.51	1958	0.60	2094	0.69	2222	0.78	2340	0.87	2453	0.96
860	3200	1603	0.41	1747	0.50	1883	0.58	2012	0.68	2147	0.77	2272	0.87	2390	0.97	2500	1.06
914	3400	1685	0.48	1820	0.57	1953	0.66	2078	0.76	2201	0.86	2323	0.96	2440	1.07	2549	1.17
967	3600	1769	0.57	1898	0.66	2023	0.75	2142	0.85	2258	0.96	2376	1.06	2490	1.17	2599	1.28
1021	3800	1853	0.65	1977	0.75	2097	0.85	2211	0.95	2322	1.06	2431	1.17	2543	1.29	2651	1.40
1075	4000	1939	0.75	2056	0.85	2169	0.96	2281	1.06	2387	1.17	2492	1.29	2598	1.41	2702	1.53
1129	4200	2025	0.86	2136	0.96	2243	1.07	2353	1.19	2454	1.30	2556	1.42	2653	1.54	2756	1.67
1182	4400	2111	0.98	2217	1.09	2322	1.20	2425	1.32	2524	1.44	2621	1.56	2717	1.69	2810	1.82
1236	4600	2198	1.11	2298	1.22	2400	1.34	2498	1.46	2596	1.58	2688	1.71	2781	1.84	2871	1.97
1290	4800	2284	1.25	2379	1.36	2479	1.49	2571	1.61	2668	1.74	2759	1.87	2846	2.00	2935	2.14
1344	5000	2371	1.40	2464	1.52	2559	1.65	2649	1.78	2740	1.91	2830	2.04	2915	2.18	3001	2.32
1547	5200	2459	1.57	2548	1.69	2638	1.82	2727	1.95	2813	2.09	2902	2.23	2985	2.37	3066	2.51
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
430	1600	2428	0.56														
484	1800	2448	0.63	2665	0.75	2865	0.89										
537	2000	2471	0.69	2684	0.83	2884	0.98	3069	1.12	3244	1.27						
591	2200	2503	0.76	2709	0.91	2904	1.07	3088	1.23	3263	1.38	3428	1.55	3566	1.71		
645	2400	2535	0.84	2740	1.00	2929	1.17	3108	1.33	3283	1.50	3447	1.67	3605	1.85	3755	2.02
699	2600	2574	0.93	2773	1.09	2960	1.26	3136	1.44	3304	1.62	3467	1.81	3624	1.99	3773	2.18
752	2800	2618	1.03	2810	1.20	2993	1.37	3168	1.55	3333	1.74	3491	1.94	3644	2.14	3794	2.33
806	3000	2662	1.13	2852	1.31	3030	1.49	3202	1.68	3364	1.87	3522	2.08	3670	2.29	3814	2.50
860	3200	2707	1.25	2896	1.43	3072	1.62	3238	1.82	3399	2.02	3552	2.22	3702	2.44	3844	2.66
914	3400	2752	1.37	2941	1.57	3116	1.76	3280	1.97	3436	2.17	3568	2.39	3733	2.60	3875	2.85
967	3600	2801	1.50	2987	1.71	3161	1.92	3324	2.13	3478	2.35	3625	2.56	3769	2.79	3908	3.01
1021	3800	2849	1.63	3033	1.86	3207	2.08	3368	2.30	3522	2.52	3667	2.75	3806	2.98	3944	3.21
1075	4000	2901	1.78	3082	2.02	3252	2.25	3413	2.48	3566	2.71	3711	2.95	3850	3.19	3963	3.43
1129	4200	2951	1.92	3132	2.18	3299	2.43	3460	2.67	3611	2.92	3755	3.16	3894	3.41	4026	3.66
1182	4400	3002	2.08	3182	2.35	3347	2.62	3505	2.88	3656	3.13	3800	3.38	3937	3.64	4069	3.90
1236	4600	3055	2.26	3232	2.54	3397	2.79	3553	3.08	3703	3.36	3845	3.61	3983	3.90	4112	4.14
1290	4800	3110	2.42	3283	2.71	3449	2.99	3603	3.28	3750	3.57	3892	3.86	4028	4.14	4158	4.43
1344	5000	3165	2.63	3336	2.91	3499	3.20	3653	3.53	3798	3.82	3937	4.14	4073	4.43	4204	4.72
1397	5200	3229	2.83	3391	3.12	3550	3.45	3703	3.77	3848	4.06	3987	4.39	4120	4.68	4250	5.01
1451	5400	3293	3.04	3446	3.36	3603	3.69	3755	4.02	3900	4.35	4037	4.68	4168	4.96	4295	5.29
1505	5600	3358	3.24	3505	3.57	3658	3.94	3806	4.27	3950	4.60	4087	4.92	4218	5.29	4343	5.62
1559	5800	3424	3.49	3569	3.82	3713	4.18	3861	4.51	4001	4.88	4137	5.25	4268	5.58	4393	5.95
1612	6000	3492	3.73	3635	4.10	3770	4.43	3914	4.80	4053	5.17	4189	5.54	4318	5.91	4443	6.29
1666	6200	3563	4.02	3700	4.39	3834	4.72	3969	5.09	4108	5.46	4240	5.87	4370	6.24	4493	6.61
1720	6400	3633	4.31	3766	4.66	3898	5.05	4026	5.42	4162	5.78	4293	6.20	4420	6.56	4545	6.97
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
645	2400	3898	2.20			4190	2.75										
699	2600	3917	2.37	4056	2.56	4209	2.94	4339	3.15	4464	3.35	4585	3.57				
752	2800	3937	2.54	4075	2.74	4228	3.12	4357	3.36	4482	3.57	4604	3.77	4723	4.02	4838	4.23
806	3000	3958	2.71	4095	2.91	4248	3.32	4376	3.57	4503	3.77	4623	4.02	4741	4.27	4857	4.47
860	3200	3981	2.87	4115	3.12	4272	3.53	4398	3.77	4521	4.02	4643	4.27	4762	4.51	4876	4.76
914	3400	4012	3.08	4143	3.28	4301	3.73	4425	3.98	4543	4.23	4663	4.51	4780	4.76	4896	5.01
967	3600	4044	3.24	4175	3.49	4332	3.94	4456	4.23	4574	4.47	4690	4.76	4802	5.01	4916	5.29
1021	3800	4076	3.45	4206	3.69	4365	4.18	4485	4.43	4606	4.72	4721	5.01	4834	5.25	4943	5.54
1075	4000	4112	3.69	4240	3.94	4400	4.43	4520	4.68	4637	4.96	4751	5.25	4865	5.54	4974	5.83
1129	4200	4153	3.90	4276	4.18	4437	4.68	4556	4.96	4671	5.25	4785	5.50	4894	5.78	5004	6.04
1182	4400	4197	4.14	4318	4.43	4481	4.96	4595	5.25	4707	5.54	4819	5.83	4930	6.11	5037	6.40
1236	4600	4240	4.43	4362	4.72	4523	5.25	4638	5.54	4749	5.87	4857	6.15	4965	6.44	5072	6.73
1290	4800	4284	4.68	4406	4.96	4567	5.58	4681	5.87	4791	6.15	4899	6.48	5004	6.77	5107	7.10
1344	5000	4329	5.01	4449	5.29	4612	5.91	4724	6.20	4835	6.52	4943	6.81	5047	7.14	5149	7.47
1397	5200	4375	5.29	4495	5.58	4657	6.24	4770	6.56	4879	6.85	4987	7.18	5091	7.51	5193	7.84
1451	5400	4420	5.62	4540	5.95	4702	6.61	4815	6.93	4924	7.22	5030	7.55	5133	7.88	5236	8.21
1505	5600	4467	5.95	4587	6.28	4748	6.97	4860	7.30	4969	7.63	5076	7.96	5179	8.29	5278	8.62
1559	5800	4513	6.28	4632	6.61	4795	7.34	4905	7.67	5015	8.04	5121	8.37	5224	8.74		
1612	6000	4563	6.65	4679	6.97	4841	7.71	4952	8.08	5060	8.45	5166	8.82	5269	9.15		
1666	6200	4613	6.97	4729	7.34												
1720	6400	4663	7.34	4779	7.75	4891	8.12	4999	8.49	5107	8.86	5211	9.27				

BHP does not include drive loss. Performance shown is for centrifugal fan with outlet duct.

SIZE 155

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 15.625 in. dia.
4.01 ft. circ.

INLET 9 in. O.D.
0.44 Sq. ft. area

OUTLET 7.75 x 8.625 in. O.D.
0.46 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
430	1000	675	0.06	886	0.11	1061	0.16	1213	0.22								
516	1200	712	0.09	917	0.14	1082	0.20	1229	0.27	1362	0.33	1483	0.41			1714	0.63
602	1400	753	0.11	951	0.17	1110	0.24	1251	0.31	1379	0.39	1499	0.47	1610	0.55	1730	0.71
688	1600	796	0.14	988	0.21	1145	0.29	1280	0.36	1404	0.45	1519	0.53	1626	0.62	1748	0.80
774	1800	846	0.17	1028	0.26	1181	0.34	1314	0.43	1433	0.51	1545	0.60	1650	0.70	1773	0.89
860	2000	902	0.21	1067	0.31	1218	0.40	1349	0.50	1466	0.59	1574	0.69	1676	0.79	1800	0.99
947	2200	959	0.26	1110	0.36	1257	0.47	1386	0.58	1502	0.68	1608	0.78	1706	0.89	1832	1.11
1033	2400	1017	0.32	1160	0.43	1298	0.55	1424	0.66	1537	0.78	1644	0.89	1741	1.00	1867	1.24
1119	2600	1077	0.39	1212	0.51	1340	0.62	1463	0.76	1576	0.88	1679	1.00	1777	1.12	1903	1.39
1205	2800	1140	0.47	1267	0.59	1386	0.72	1504	0.85	1615	0.99	1716	1.12	1813	1.25	1938	1.54
1291	3000	1203	0.56	1324	0.69	1436	0.82	1547	0.96	1655	1.11	1756	1.25	1850	1.40	1975	1.70
1377	3200	1267	0.66	1381	0.79	1488	0.93	1590	1.08	1697	1.23	1795	1.39	1889	1.55	2015	1.87
1463	3400	1331	0.78	1439	0.91	1544	1.06	1642	1.22	1740	1.38	1836	1.54	1929	1.71	2054	2.06
1549	3600	1398	0.91	1500	1.05	1599	1.20	1693	1.36	1784	1.53	1878	1.70	1968	1.88	2095	2.25
1635	3800	1465	1.04	1562	1.20	1657	1.36	1747	1.52	1835	1.70	1921	1.88	2010	2.06	2136	2.45
1721	4000	1532	1.20	1625	1.37	1714	1.53	1803	1.70	1887	1.88	1969	2.07	2053	2.26	2178	2.67
1807	4200	1600	1.38	1688	1.54	1773	1.71	1859	1.90	1940	2.08	2020	2.27	2096	2.47	2221	2.91
1893	4400	1668	1.57	1752	1.74	1835	1.92	1916	2.11	1995	2.30	2072	2.50	2147	2.70	2269	3.16
1979	4600	1737	1.77	1816	1.95	1896	2.14	1974	2.33	2052	2.54	2125	2.73	2198	2.94	2320	3.43
2065	4800	1805	2.00	1880	2.18	1959	2.38	2032	2.57	2109	2.79	2180	3.00	2249	3.21	2371	3.72
2151	5000	1874	2.25	1947	2.43	2022	2.64	2094	2.84	2165	3.05	2237	3.27	2304	3.49	2423	4.02
2237	5200	1943	2.51	2014	2.71	2085	2.92	2156	3.13	2223	3.34	2294	3.57	2359	3.80		
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
688	1600	1919	0.90														
774	1800	1935	1.00	2106	1.21	2264	1.42										
860	2000	1953	1.11	2121	1.33	2279	1.56	2426	1.80	2564	2.04						
947	2200	1978	1.22	2141	1.46	2295	1.71	2441	1.96	2579	2.21	2710	2.48	2834	2.74		
1033	2400	2004	1.35	2165	1.60	2315	1.87	2457	2.13	2595	2.40	2724	2.68	2849	2.96	2967	3.24
1119	2600	2035	1.49	2191	1.75	2339	2.02	2479	2.31	2611	2.60	2740	2.89	2864	3.19	2982	3.49
1205	2800	2069	1.65	2221	1.92	2365	2.19	2504	2.48	2634	2.79	2759	3.11	2880	3.42	2998	3.74
1291	3000	2104	1.81	2254	2.10	2395	2.39	2531	2.69	2659	3.00	2784	3.32	2901	3.66	3014	4.00
1377	3200	2140	2.00	2289	2.29	2428	2.60	2559	2.91	2686	3.23	2807	3.55	2926	3.90	3038	4.26
1463	3400	2175	2.19	2325	2.51	2463	2.82	2592	3.15	2716	3.48	2835	3.82	2950	4.16	3062	4.53
1549	3600	2214	2.40	2360	2.74	2499	3.07	2627	3.41	2749	3.76	2865	4.11	2979	4.46	3088	4.82
1635	3800	2252	2.61	2397	2.98	2534	3.33	2661	3.68	2784	4.04	2898	4.41	3008	4.78	3117	5.14
1721	4000	2293	2.84	2436	3.23	2570	3.61	2697	3.97	2818	4.34	2933	4.72	3043	5.11	3148	5.49
1807	4200	2332	3.08	2475	3.49	2607	3.90	2734	4.28	2854	4.67	2967	5.06	3077	5.45	3182	5.86
1893	4400	2373	3.33	2515	3.76	2645	4.19	2770	4.60	2890	5.02	3003	5.42	3112	5.83	3215	6.24
1979	4600	2415	3.61	2554	4.07	2685	4.47	2808	4.93	2927	5.39	3039	5.78	3148	6.24	3250	6.63
2065	4800	2458	3.88	2595	4.34	2726	4.79	2848	5.25	2964	5.71	3076	6.17	3183	6.63	3286	7.09
2151	5000	2501	4.20	2637	4.66	2765	5.12	2887	5.65	3002	6.11	3112	6.63	3219	7.09	3323	7.55
2237	5200	2552	4.53	2680	4.99	2806	5.52	2927	6.04	3041	6.50	3151	7.03	3256	7.49	3359	8.01
2323	5400	2602	4.86	2723	5.39	2848	5.91	2967	6.44	3082	6.96	3191	7.49	3294	7.95	3394	8.47
2409	5600	2654	5.19	2770	5.71	2891	6.31	3008	6.83	3122	7.36	3230	7.88	3334	8.47	3433	9.00
2495	5800	2706	5.58	2821	6.11	2934	6.70	3051	7.23	3162	7.82	3270	8.41	3373	8.93	3472	9.52
2581	6000	2760	5.98	2872	6.57	2980	7.09	3093	7.69	3203	8.28	3310	8.87	3413	9.46	3512	10.05
2667	6200	2816	6.44	2924	7.03	3030	7.55	3136	8.14	3246	8.74	3351	9.39	3454	9.98	3551	10.58
2753	6400	2871	6.90	2976	7.49	3081	8.08	3162	8.67	3289	9.26	3393	9.92	3493	10.51	3592	11.17
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1033	2400	3081	3.53														
1119	2600	3096	3.79	3206	4.09	3312	4.41										
1205	2800	3112	4.06	3220	4.38	3327	4.70	3429	5.04	3528	5.37	3624	5.71				
1291	3000	3128	4.34	3236	4.66	3341	4.99	3444	5.39	3542	5.71	3639	6.04	3732	6.44	3824	6.77
1377	3200	3146	4.60	3252	4.99	3357	5.32	3460	5.71	3558	6.04	3653	6.44	3747	6.83	3839	7.16
1463	3400	3171	4.93	3275	5.25	3376	5.65	3476	6.04	3573	6.44	3670	6.83	3763	7.23	3853	7.62
1549	3600	3196	5.19	3299	5.58	3399	5.98	3497	6.37	3591	6.77	3686	7.23	3778	7.62	3869	8.01
1635	3800	3222	5.52	3324	5.91	3424	6.31	3521	6.77	3615	7.16	3707	7.62	3795	8.01	3885	8.47
1721	4000	3250	5.91	3351	6.31	3450	6.70	3545	7.09	3640	7.55	3731	8.01	3820	8.41	3906	8.87
1807	4200	3282	6.24	3380	6.70	3477	7.09	3572	7.49	3665	7.95	3755	8.41	3845	8.87	3931	9.33
1893	4400	3317	6.63	3413	7.09	3507	7.49	3600	7.95	3692	8.41	3782	8.80	3868	9.26	3955	9.25
1979	4600	3351	7.09	3447	7.55	3541	7.95	3631	8.41	3720	8.87	3809	9.33	3897	9.79	3980	10.25
2065	4800	3386	7.49	3482	7.95	3575	8.41	3666	8.87	3753	9.39	3839	9.85	3924	10.31	4009	10.77
2151	5000	3422	8.01	3517	8.47	3609	8.93	3699	9.39	3787	9.85	3872	10.38	3955	10.84	4036	11.36
2237	5200	3457	8.47	3552	8.93	3645	9.46	3734	9.92	3821	10.44	3906	10.90	3989	11.43	4069	11.95
2323	5400	3493	9.00	3588	9.52	3681	9.98	3769	10.51	3856	10.97	3941	11.49	4024	12.02	4104	12.55
2409	5600	3530	9.52	3625	10.05	3716	10.58	3805	11.10	3892	11.56	3976	12.09	4057	12.61	4138	13.14
2495	5800	3567	10.05	3661	10.58	3752	11.17	3841	11.69	3927	12.22	4011	12.74	4093	13.27	4172	13.79
2581	6000	3607	10.64	3698	11.17	3789	11.76	3877	12.28	3963	12.87	4047	13.40	4129	13.99		
2667	6200	3646	11.17	3737	11.76	3826	12.35	3914	12.94	3999	13.53	4083	14.12	4164	14.65		
2753	6400	3686	11.76	3777	12.41	3866	13.01	3951	13.60	4036	14.19	4119	14.84				

BHP does not include drive loss. Performance shown is for centrifugal fan with outlet duct.

SIZE 191

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 19.125 in. dia.
5.01 ft. circ.

INLET 11 in. O.D.
0.66 Sq. ft. area

OUTLET 9.5 x 10.25 in. O.D.
0.68 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
655	1000	547	0.09	718	0.17	860	0.25	983	0.34								
786	1200	577	0.13	743	0.21	877	0.30	996	0.41	1104	0.51	1202	0.62				
917	1400	610	0.16	771	0.26	900	0.36	1014	0.47	1118	0.59	1215	0.71	1305	0.83	1389	0.96
1048	1600	645	0.21	801	0.32	928	0.44	1037	0.55	1138	0.68	1231	0.81	1318	0.95	1402	1.08
1179	1800	686	0.26	833	0.39	957	0.52	1065	0.65	1161	0.78	1252	0.92	1337	1.06	1417	1.22
1310	2000	731	0.32	865	0.47	987	0.61	1093	0.76	1188	0.90	1276	1.05	1358	1.20	1437	1.35
1441	2200	777	0.40	900	0.55	1019	0.72	1123	0.88	1217	1.03	1303	1.19	1383	1.35	1459	1.51
1572	2400	824	0.49	940	0.65	1052	0.83	1154	1.01	1246	1.18	1332	1.35	1411	1.52	1485	1.69
1703	2600	873	0.60	982	0.77	1086	0.95	1186	1.15	1277	1.34	1361	1.52	1440	1.71	1513	1.89
1834	2800	924	0.72	1027	0.90	1123	1.09	1219	1.30	1309	1.51	1391	1.71	1469	1.91	1542	2.11
1965	3000	975	0.85	1073	1.05	1164	1.25	1254	1.46	1341	1.69	1423	1.91	1499	2.13	1571	2.34
2096	3200	1027	1.01	1119	1.21	1206	1.42	1289	1.65	1375	1.88	1455	2.12	1531	2.36	1601	2.59
2227	3400	1079	1.18	1166	1.39	1251	1.62	1331	1.85	1410	2.10	1488	2.35	1563	2.60	1633	2.85
2358	3600	1133	1.38	1216	1.60	1296	1.83	1372	2.07	1446	2.33	1522	2.59	1595	2.86	1665	3.13
2489	3800	1187	1.59	1266	1.83	1343	2.07	1416	2.32	1487	2.59	1557	2.86	1629	3.14	1698	3.42
2620	4000	1242	1.83	1317	2.08	1389	2.33	1461	2.59	1529	2.86	1596	3.15	1664	3.44	1731	3.73
2751	4200	1297	2.10	1368	2.35	1437	2.61	1507	2.89	1572	3.16	1637	3.46	1699	3.76	1765	4.07
2882	4400	1352	2.39	1420	2.65	1487	2.92	1553	3.21	1617	3.50	1679	3.80	1740	4.11	1800	4.43
3013	4600	1408	2.70	1472	2.97	1537	3.26	1600	3.55	1663	3.86	1722	4.16	1781	4.48	1839	4.81
3144	4800	1463	3.05	1524	3.32	1588	3.62	1647	3.92	1709	4.24	1767	4.56	1823	4.88	1880	5.22
3275	5000	1519	3.42	1578	3.70	1639	4.02	1697	4.33	1755	4.65	1813	4.98	1867	5.31	1922	5.66
3406	5200	1575	3.82	1632	4.12	1690	4.44	1747	4.76	1802	5.09	1859	5.44	1912	5.78	1964	6.12
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1048	1600	1555	1.37														
1179	1800	1568	1.53	1707	1.84	1835	2.16										
1310	2000	1583	1.69	1719	2.03	1847	2.38	1966	2.74	2078	3.10						
1441	2200	1603	1.86	1735	2.23	1860	2.61	1978	2.99	2090	3.37	2196	3.77	2297	4.17		
1572	2400	1624	2.05	1755	2.43	1876	2.84	1991	3.25	2103	3.66	2208	4.08	2309	4.50	2405	4.93
1703	2600	1649	2.27	1776	2.66	1896	3.07	2009	3.51	2116	3.96	2221	4.40	2321	4.85	2417	5.31
1834	2800	1677	2.51	1800	2.92	1917	3.34	2029	3.78	2135	4.25	2236	4.73	2334	5.21	2430	5.69
1965	3000	1705	2.76	1827	3.20	1941	3.64	2051	4.09	2155	4.56	2256	5.06	2351	5.57	2443	6.09
2096	3200	1734	3.05	1855	3.49	1968	3.96	2074	4.43	2177	4.92	2275	5.41	2371	5.94	2462	6.48
2227	3400	1763	3.34	1884	3.82	1996	4.30	2101	4.80	2201	5.30	2298	5.82	2391	6.33	2482	6.89
2358	3600	1794	3.66	1913	4.17	2025	4.67	2129	5.19	2228	5.72	2322	6.25	2414	6.79	2503	7.34
2489	3800	1825	3.98	1943	4.54	2054	5.07	2157	5.60	2256	6.15	2349	6.71	2438	7.27	2526	7.83
2620	4000	1858	4.33	1974	4.92	2083	5.49	2186	6.05	2284	6.61	2377	7.19	2466	7.78	2551	8.36
2751	4200	1890	4.69	2006	5.31	2113	5.93	2216	6.52	2313	7.11	2405	7.70	2494	8.30	2579	8.92
2882	4400	1923	5.07	2038	5.73	2144	6.38	2245	7.01	2342	7.64	2434	8.25	2522	8.87	2606	9.50
3013	4600	1957	5.50	2070	6.20	2176	6.80	2276	7.50	2372	8.20	2463	8.80	2551	9.50	2634	10.10
3144	4800	1992	5.90	2103	6.60	2209	7.30	2308	8.00	2402	8.70	2493	9.40	2580	10.10	2663	10.80
3275	5000	2027	6.40	2137	7.10	2241	7.80	2340	8.60	2433	9.30	2522	10.10	2609	10.80	2693	11.50
3406	5200	2068	6.90	2172	7.60	2274	8.40	2372	9.20	2465	9.90	2554	10.70	2639	11.40	2722	12.20
3537	5400	2109	7.40	2207	8.20	2308	9.00	2405	9.80	2498	11.00	2586	11.40	2670	12.10	2751	12.90
3668	5600	2151	7.90	2245	8.70	2343	9.60	2438	10.40	2530	11.20	2618	12.00	2702	12.90	2782	13.70
3799	5800	2193	8.50	2286	9.30	2378	10.20	2473	11.00	2563	11.90	2650	12.80	2734	13.60	2814	14.50
3930	6000	2237	9.10	2328	10.00	2415	10.80	2507	11.70	2596	12.60	2683	13.50	2766	14.40	2846	15.30
4061	6200	2282	9.80	2370	10.70	2456	11.50	2542	12.40	2631	13.30	2716	14.30	2799	15.20	2878	16.10
4192	6400	2327	10.50	2412	11.40	2497	12.30	2579	13.20	2666	14.10	2750	15.10	2831	16.00	2911	17.00
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1572	2400	2497	5.37														
1703	2600	2509	5.77	2598	6.23	2684	6.71										
1834	2800	2522	6.18	2610	6.67	2696	7.16	2779	7.67	2859	8.17	2937	8.69				
1965	3000	2535	6.60	2623	7.10	2708	7.60	2791	8.20	2871	8.70	2949	9.20	3025	9.80	3099	10.30
2096	3200	2550	7.00	2636	7.60	2721	8.10	2804	8.70	2884	9.20	2961	9.80	3037	10.40	3111	10.90
2227	3400	2570	7.50	2654	8.00	2736	8.60	2817	9.20	2896	9.80	2974	10.40	3050	11.00	3123	11.60
2358	3600	2590	7.90	2674	8.50	2755	9.10	2834	9.70	2910	10.30	2987	11.00	3062	11.60	3136	12.20
2489	3800	2611	8.40	2694	9.00	2775	9.60	2854	10.30	2930	10.90	3004	11.60	3076	12.20	3149	12.90
2620	4000	2634	9.00	2716	9.60	2796	10.20	2873	10.80	2950	11.50	3024	12.20	3096	12.80	3166	13.50
2751	4200	2660	9.50	2739	10.20	2818	10.80	2895	11.40	2970	12.10	3043	12.80	3116	13.50	3186	14.20
2882	4400	2688	10.10	2766	10.80	2842	11.40	2918	12.10	2992	12.80	3065	13.40	3135	14.10	3205	14.09
3013	4600	2716	10.80	2794	11.50	2870	12.10	2943	12.80	3015	13.50	3087	14.20	3158	14.90	3226	15.60
3144	4800	2744	11.40	2822	12.10	2897	12.80	2971	13.50	3042	14.30	3111	15.00	3180	15.70	3249	16.40
3275	5000	2773	12.20	2850	12.90	2925	13.60	2998	14.30	3069	15.00	3138	15.80	3205	16.50	3271	17.30
3406	5200	2802	12.90	2879	13.60	2954	14.40	3026	15.10	3097	15.90	3166	16.60	3233	17.40	3298	18.20
3537	5400	2831	13.70	2908	14.50	2983	15.20	3055	16.00	3125	16.70	3194	17.50	3261	18.30	3326	19.10
3668	5600	2861	14.50	2936	15.30	3012	16.10	3084	16.90	3154	17.60	3222	18.40	3288	19.20	3354	20.00
3799	5800	2891	15.30	2967	16.10	3041	17.00	3113	17.80	3183	18.60	3251	19.40	3317	20.20	3381	21.00
3930	6000	2923	16.20	2997	17.00	3071	17.90	3142	18.70	3212	19.60	3280	20.40	3346	21.30		
4061	6200	2955	17.00	3029	17.90	3101	18.80	3172	19.70	3241	20.60	3309	21.50	3375	22.30		
4192	6400	2987	17.90	3061	18.90	3133	19.80	3202	20.70	3271	21.60	3338	22.60				

BHP does not include drive loss. Performance shown is for centrif

SIZE 225

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 22.625 in. dia.
7.20 ft. circ.

INLET 13.25 in. O.D.
0.96 Sq. ft. area

OUTLET 11.125 x 12.5 in. O.D.
0.96 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
925	1000	462	0.13	607	0.24	727	0.36	831	0.48								
1110	1200	488	0.18	628	0.30	742	0.43	842	0.57	933	0.71	1016	0.86				
1295	1400	515	0.23	652	0.37	761	0.51	858	0.66	945	0.83	1027	1.00	1103	1.17	1174	1.34
1480	1600	545	0.29	677	0.45	784	0.61	877	0.78	962	0.95	1041	1.13	1114	1.33	1185	1.52
1665	1800	580	0.36	704	0.55	809	0.73	900	0.91	981	1.09	1058	1.28	1130	1.49	1198	1.70
1850	2000	618	0.45	732	0.65	834	0.86	924	1.06	1005	1.26	1078	1.46	1148	1.67	1214	1.89
2035	2200	656	0.56	761	0.77	861	1.00	949	1.23	1029	1.44	1102	1.66	1169	1.89	1233	2.12
2220	2400	696	0.69	795	0.91	889	1.16	975	1.41	1053	1.65	1126	1.89	1193	2.12	1256	2.37
2405	2600	738	0.83	830	1.07	918	1.33	1003	1.60	1079	1.87	1150	2.13	1217	2.39	1279	2.64
2590	2800	781	1.00	868	1.26	949	1.53	1030	1.81	1106	2.11	1176	2.39	1242	2.67	1303	2.95
2775	3000	824	1.19	907	1.46	984	1.75	1060	2.05	1134	2.36	1203	2.67	1267	2.98	1328	3.28
2960	3200	868	1.41	946	1.69	1019	1.99	1090	2.31	1162	2.64	1230	2.97	1294	3.30	1353	3.63
3145	3400	912	1.65	986	1.95	1057	2.26	1125	2.59	1192	2.94	1258	3.29	1321	3.64	1380	3.99
3330	3600	958	1.92	1028	2.24	1096	2.57	1160	2.90	1222	3.26	1287	3.63	1349	4.00	1407	4.38
3515	3800	1004	2.23	1070	2.56	1135	2.90	1197	3.25	1257	3.62	1316	4.00	1377	4.39	1435	4.79
3700	4000	1050	2.57	1113	2.91	1174	3.26	1235	3.63	1293	4.01	1349	4.41	1406	4.81	1463	5.22
3885	4200	1096	2.94	1156	3.29	1215	3.65	1274	4.04	1329	4.43	1384	4.84	1436	5.26	1492	5.69
4070	4400	1143	3.34	1200	3.70	1257	4.09	1313	4.49	1367	4.90	1419	5.31	1471	5.75	1522	6.19
4255	4600	1190	3.78	1244	4.16	1299	4.56	1352	4.97	1406	5.40	1456	5.82	1506	6.27	1554	6.73
4440	4800	1237	4.26	1288	4.65	1342	5.07	1392	5.49	1445	5.94	1494	6.38	1541	6.83	1589	7.31
4625	5000	1284	4.78	1334	5.18	1385	5.62	1434	6.05	1484	6.51	1532	6.98	1578	7.43	1624	7.92
4810	5200	1332	5.35	1380	5.76	1429	6.21	1476	6.66	1523	7.13	1571	7.61	1616	8.09	1660	8.57
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1480	1600	1315	1.91														
1665	1800	1325	2.13	1443	2.57	1551	3.03										
1850	2000	1338	2.36	1453	2.84	1561	3.33	1662	3.83	1757	4.34						
2035	2200	1355	2.60	1467	3.12	1572	3.65	1672	4.18	1767	4.72	1856	5.27	1941	5.83		
2220	2400	1373	2.87	1483	3.40	1586	3.97	1683	4.55	1777	5.12	1866	5.71	1951	6.30	2033	6.91
2405	2600	1394	3.18	1501	3.72	1603	4.30	1698	4.91	1788	5.54	1877	6.16	1962	6.79	2043	7.42
2590	2800	1417	3.51	1522	4.08	1621	4.68	1715	5.29	1805	5.95	1890	6.62	1973	7.29	2054	7.97
2775	3000	1441	3.87	1545	4.47	1641	5.09	1733	5.73	1822	6.38	1907	7.09	1988	7.80	2065	8.52
2960	3200	1466	4.26	1568	4.89	1664	5.54	1753	6.20	1840	6.88	1923	7.57	2004	8.32	2081	9.07
3145	3400	1491	4.68	1593	5.35	1687	6.02	1776	6.72	1860	7.42	1942	8.14	2021	8.86	2098	9.64
3330	3600	1516	5.10	1617	5.80	1711	6.50	1800	7.30	1883	8.00	1963	8.70	2040	9.50	2116	10.30
3515	3800	1543	5.60	1642	6.30	1736	7.10	1824	7.80	1907	8.60	1986	9.40	2061	10.20	2135	11.00
3700	4000	1570	6.10	1668	6.90	1761	7.70	1848	8.50	1931	9.30	2009	10.10	2084	10.90	2156	11.70
3885	4200	1598	6.60	1695	7.40	1786	8.30	1873	9.10	1955	10.00	2033	10.80	2108	11.60	2180	12.50
4070	4400	1626	7.10	1723	8.00	1813	8.90	1898	9.80	1980	10.70	2057	11.60	2132	12.40	2203	13.30
4255	4600	1654	7.70	1750	8.60	1840	9.60	1924	10.50	2005	11.40	2082	12.40	2156	13.30	2227	14.20
4440	4800	1684	8.30	1778	9.30	1867	10.30	1951	11.30	2030	12.20	2107	13.20	2181	14.10	2251	15.10
4625	5000	1714	8.90	1807	9.90	1895	11.00	1978	12.00	2057	13.10	2132	14.10	2206	15.10	2276	16.10
4810	5200	1748	9.60	1836	10.70	1922	11.70	2005	12.80	2084	13.90	2159	15.00	2231	16.00	2301	17.10
4995	5400	1783	10.30	1866	11.40	1951	12.50	2033	13.70	2111	14.80	2186	15.90	2257	17.00	2326	18.10
5180	5600	1818	11.10	1898	12.20	1981	13.40	2061	14.50	2139	15.70	2213	16.90	2284	18.00	2352	19.20
5365	5800	1853	11.90	1933	13.10	2010	14.20	2090	15.40	2166	16.60	2240	17.80	2311	19.00	2379	20.20
5550	6000	1891	12.80	1968	14.00	2041	15.20	2119	16.40	2195	17.60	2268	18.90	2338	20.10	2406	21.40
5735	6200	1929	13.70	2003	14.90	2076	16.20	2149	17.40	2224	18.70	2296	20.00	2366	21.20	2433	22.50
5920	6400	1967	14.70	2039	15.90	2111	17.20	2180	18.50	2253	19.80	2324	21.10	2393	22.40	2460	23.70
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2220	2400	2111	7.52														
2405	2600	2121	8.07	2196	8.73	2269	9.39										
2590	2800	2132	8.60	2206	9.30	2279	10.00	2349	10.70	2417	11.40	2483	12.20				
2775	3000	2143	9.20	2217	10.00	2289	10.70	2359	11.40	2427	12.20	2493	12.90	2557	13.70	2620	14.40
2960	3200	2156	9.80	2228	10.60	2300	11.40	2370	12.10	2437	12.90	2503	13.70	2567	14.50	2629	15.30
3145	3400	2172	10.40	2244	11.20	2312	12.10	2381	12.90	2448	13.70	2514	14.50	2578	15.30	2640	16.20
3330	3600	2189	11.10	2260	11.90	2329	12.80	2396	13.60	2460	14.50	2525	15.30	2589	16.20	2651	17.10
3515	3800	2207	11.80	2277	12.60	2346	13.50	2412	14.40	2477	15.30	2539	16.20	2600	17.10	2662	18.00
3700	4000	2226	12.50	2296	13.40	2363	14.20	2429	15.10	2493	16.10	2556	17.00	2617	18.00	2676	18.90
3885	4200	2249	13.40	2315	14.20	2382	15.10	2447	16.00	2510	16.90	2573	17.90	2634	18.90	2693	19.80
4070	4400	2272	14.20	2338	15.10	2403	16.00	2466	16.90	2529	17.90	2591	18.80	2650	19.80	2710	20.80
4255	4600	2295	15.10	2362	16.00	2426	17.00	2488	17.90	2548	18.90	2610	19.90	2669	20.80	2727	21.80
4440	4800	2319	16.00	2385	17.00	2449	18.00	2511	19.00	2571	19.90	2630	20.90	2688	21.90	2746	23.00
4625	5000	2344	17.00	2409	18.00	2473	19.00	2534	20.00	2594	21.10	2653	22.10	2710	23.10	2765	24.10
4810	5200	2368	18.10	2434	19.10	2497	20.10	255									

SIZE 261

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 26.125 in. dia.
6.84 ft. circ.

INLET 15.25 in. O.D.
1.27 Sq. ft. area

OUTLET 12.75 x 14.25 in. O.D.
1.26 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1230	1000	400	0.18	526	0.32	629	0.47	720	0.64								
1476	1200	422	0.23	544	0.40	642	0.57	729	0.76	808	0.95	880	1.15				
1722	1400	446	0.30	564	0.49	659	0.68	743	0.88	818	1.10	889	1.33	955	1.56	1017	1.79
1968	1600	472	0.38	586	0.60	679	0.81	759	1.03	833	1.26	901	1.51	965	1.77	1026	2.02
2214	1800	502	0.48	609	0.73	700	0.97	779	1.21	850	1.46	916	1.71	979	1.98	1037	2.27
2460	2000	535	0.61	634	0.87	722	1.15	800	1.41	870	1.68	934	1.95	994	2.23	1052	2.52
2706	2200	569	0.75	659	1.03	746	1.34	822	1.64	891	1.93	954	2.22	1013	2.52	1068	2.82
2952	2400	603	0.91	688	1.22	770	1.54	845	1.88	912	2.20	975	2.51	1033	2.83	1087	3.16
3198	2600	639	1.11	719	1.43	795	1.78	868	2.14	935	2.49	996	2.84	1054	3.18	1108	3.52
3444	2800	676	1.34	752	1.67	822	2.04	892	2.42	958	2.81	1018	3.19	1075	3.57	1129	3.93
3690	3000	714	1.59	785	1.95	852	2.33	918	2.73	982	3.15	1042	3.56	1097	3.97	1150	4.37
3936	3200	752	1.88	819	2.26	883	2.65	944	3.08	1006	3.51	1065	3.96	1120	4.40	1172	4.84
4182	3400	790	2.20	854	2.60	916	3.02	974	3.46	1032	3.91	1089	4.38	1144	4.85	1195	5.32
4428	3600	830	2.57	890	2.98	949	3.42	1005	3.87	1059	4.35	1115	4.84	1168	5.34	1219	5.84
4674	3800	869	2.97	927	3.41	983	3.86	1037	4.33	1089	4.83	1140	5.34	1193	5.86	1243	6.38
4920	4000	909	3.42	964	3.87	1017	4.35	1070	4.84	1119	5.34	1168	5.87	1218	6.42	1267	6.97
5166	4200	950	3.91	1002	4.38	1052	4.87	1103	5.39	1151	5.91	1198	6.46	1244	7.01	1292	7.59
5412	4400	990	4.45	1039	4.94	1088	5.45	1137	5.99	1184	6.53	1229	7.08	1274	7.67	1318	8.26
5658	4600	1031	5.04	1077	5.54	1125	6.08	1171	6.63	1217	7.20	1261	7.76	1304	8.36	1346	8.97
5904	4800	1071	5.68	1116	6.20	1162	6.76	1206	7.32	1251	7.92	1294	8.51	1335	9.10	1376	9.74
6150	5000	1112	6.40	1155	6.90	1200	7.50	1242	8.10	1285	8.70	1327	9.30	1367	9.90	1407	10.60
6396	5200	1153	7.10	1195	7.70	1237	8.30	1279	8.90	1319	9.50	1361	10.10	1400	10.80	1438	11.40
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1968	1600	1139	2.55														
2214	1800	1148	2.85	1249	3.43	1343	4.04										
2460	2000	1159	3.15	1259	3.79	1352	4.44	1439	5.10	1521	5.78						
2706	2200	1173	3.47	1270	4.16	1362	4.86	1448	5.57	1530	6.29	1608	7.03	1681	7.78		
2952	2400	1189	3.83	1285	4.54	1374	5.29	1458	6.06	1539	6.83	1616	7.61	1690	8.40	1761	9.21
3198	2600	1207	4.24	1300	4.97	1388	5.73	1471	6.55	1549	7.38	1626	8.21	1699	9.05	1769	9.90
3444	2800	1227	4.70	1318	5.40	1404	6.20	1485	7.10	1563	7.90	1637	8.80	1709	9.70	1779	10.60
3690	3000	1248	5.20	1338	6.00	1421	6.80	1501	7.60	1578	8.50	1651	9.40	1721	10.40	1788	11.40
3936	3200	1269	5.70	1358	6.50	1441	7.40	1518	8.30	1594	9.20	1666	10.10	1736	11.10	1803	12.10
4182	3400	1291	6.20	1379	7.10	1461	8.00	1538	9.00	1611	9.90	1682	10.90	1751	11.80	1817	12.90
4428	3600	1313	6.80	1401	7.80	1482	8.70	1559	9.70	1631	10.70	1700	11.70	1767	12.70	1832	13.70
4674	3800	1336	7.40	1422	8.50	1503	9.50	1579	10.50	1651	11.50	1720	12.50	1785	13.60	1849	14.60
4920	4000	1360	8.10	1445	9.20	1525	10.20	1601	11.30	1672	12.30	1740	13.40	1805	14.50	1868	15.60
5166	4200	1384	8.80	1468	9.90	1547	11.10	1622	12.20	1693	13.30	1761	14.40	1825	15.50	1888	16.60
5412	4400	1408	9.50	1492	10.70	1570	11.90	1644	13.10	1715	14.20	1782	15.40	1846	16.50	1908	17.70
5658	4600	1433	10.20	1516	11.50	1593	12.80	1666	14.00	1736	15.30	1803	16.50	1867	17.70	1929	18.90
5904	4800	1458	11.00	1540	12.40	1617	13.70	1689	15.00	1758	16.30	1825	17.60	1889	18.90	1950	20.10
6150	5000	1484	11.90	1565	13.30	1641	14.60	1713	16.00	1781	17.40	1846	18.80	1910	20.10	1971	21.40
6396	5200	1514	12.80	1590	14.20	1665	15.60	1737	17.10	1805	18.50	1869	20.00	1932	21.40	1993	22.70
6642	5400	1544	13.80	1616	15.20	1690	16.70	1761	18.20	1828	19.70	1893	21.20	1954	22.70	2014	24.10
6888	5600	1574	14.80	1644	16.30	1715	17.80	1785	19.40	1852	20.90	1916	22.50	1978	24.00	2037	25.50
7134	5800	1605	15.90	1674	17.40	1741	19.00	1810	20.60	1876	22.20	1940	23.80	2001	25.40	2060	27.00
7380	6000	1638	17.10	1704	18.60	1768	20.20	1835	21.90	1901	23.50	1964	25.20	2025	26.80	2083	28.50
7626	6200	1671	18.30	1735	19.90	1798	21.50	1861	23.20	1926	24.90	1988	26.60	2049	28.30	2107	30.00
7872	6400	1704	19.60	1766	21.20	1828	22.90	1888	24.60	1951	26.40	2013	28.10	2073	29.90	2131	31.70
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2952	2400	1828	10.00			1965	12.50										
3198	2600	1837	10.80	1902	11.60	1973	13.40										
3444	2800	1846	11.50	1911	12.40	1983	14.30	2034	14.30	2093	15.30	2150	16.20				
3690	3000	1856	12.30	1920	13.30	1992	15.20	2043	15.20	2102	16.20	2159	17.20	2214	18.20	2269	19.30
3936	3200	1867	13.10	1930	14.10	2003	16.10	2052	16.20	2111	17.20	2168	18.30	2223	19.30	2277	20.40
4182	3400	1881	13.90	1943	15.00	2017	17.00	2062	17.20	2120	18.30	2177	19.40	2232	20.50	2286	21.60
4428	3600	1896	14.70	1957	15.90	2031	18.00	2075	18.20	2131	19.30	2187	20.50	2242	21.60	2296	22.80
4674	3800	1912	15.70	1972	16.80	2047	19.00	2089	19.10	2145	20.30	2199	21.60	2252	22.80	2305	24.00
4920	4000	1928	16.70	1988	17.90	2063	20.10	2103	20.20	2159	21.40	2214	22.70	2266	23.90	2318	25.20
5166	4200	1947	17.80	2005	19.00	2081	21.40	2119	21.30	2174	22.50	2228	23.80	2281	25.10	2332	26.50
5412	4400	1968	18.90	2025	20.10	2101	22.60	2136	22.60	2190	23.80	2243	25.10	2295	26.40	2347	27.70
5658	4600	1988	20.10	2045	21.40	2115	23.90	2155	23.90	2207	25.20	2260	26.50	2311	27.60	2362	29.10
5904	4800	2009	21.40	2066	22.60	2121	24.00	2175	25.30	2227	26.60	2277	27.90	2328	29.30	2378	30.60
6150	5000	2030	22.70	2086	24.00	2141	25.30	2195	26.70	2247	28.10	2297	29.50	2347	30.80	2395	32.20
6396	5200	2051	24.10	2108	25.50	2162	26.60	2215	28.20	2267	29.60	2318	31.00	2367	32.50	2415	33.90
6642	5400	2073	25.50	2129	27.00	2183	28.40	2236	29.80	2288	31.20	2338	32.70	2387	34.10	2435	35.60
6888	5600	2094	27.00	2150	28.50	2205	30.00	2257	31.50	2309	32.90	2358	34.40	2407	35.90		
7134	5800	2117	28.60	2172	30.10	2226	31.70	2279	33.20	2330	34.70	2380	36.20	2428	37.70		
7380	6000	2140	30.10	2194	31.80	2248	33.40	2300	35.00	2351	36.50	2401	38.10	2449	39.70		
7626	6200	2163	31.80	2217	33.50	2270	35.10	2322	36.80	2373	38.40	2422	40.10				
7872	6400	2187	33.40	2241	35.20	2293	36.90	2344	38.70	2394	40.40	2444	42.10				

SIZE 295

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 29.625 in. dia.
7.76 ft. circ.

INLET 17.25 in. O.D.
1.62 Sq. ft. area

OUTLET 14.25 x 16.25 in. O.D.
1.61 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1580	1000	353	0.23	464	0.41	555	0.61	635	0.82								
1896	1200	372	0.30	479	0.51	566	0.73	643	0.97	713	1.22	776	1.48				
2212	1400	393	0.39	498	0.63	581	0.88	655	1.13	722	1.42	784	1.71	842	2.00	897	2.30
2528	1600	416	0.49	517	0.78	599	1.05	669	1.33	734	1.62	795	1.94	851	2.27	905	2.60
2844	1800	443	0.62	537	0.94	618	1.25	687	1.56	749	1.87	808	2.20	863	2.55	915	2.92
3160	2000	472	0.78	559	1.12	637	1.47	706	1.82	767	2.16	823	2.51	877	2.87	927	3.24
3476	2200	501	0.96	581	1.33	658	1.72	725	2.10	786	2.48	841	2.85	893	3.24	942	3.63
3792	2400	532	1.18	607	1.57	679	1.99	745	2.41	805	2.83	860	3.23	911	3.64	959	4.06
4108	2600	564	1.43	634	1.84	701	2.29	766	2.75	824	3.21	879	3.66	929	4.09	977	4.53
4424	2800	596	1.72	663	2.15	725	2.62	787	3.11	845	3.61	898	4.10	948	4.58	995	5.06
4740	3000	630	2.05	692	2.51	751	2.99	809	3.51	866	4.05	919	4.58	968	5.11	1014	5.62
5056	3200	663	2.42	722	2.90	778	3.41	832	3.95	888	4.52	940	5.09	988	5.66	1034	6.22
5372	3400	697	2.83	753	3.34	808	3.88	859	4.44	910	5.03	961	5.63	1009	6.24	1054	6.84
5688	3600	732	3.30	785	3.84	837	4.40	886	4.98	934	5.59	983	6.23	1030	6.86	1075	7.51
6004	3800	767	3.82	817	4.38	867	4.97	914	5.57	960	6.21	1005	6.86	1052	7.53	1096	8.21
6320	4000	802	4.40	850	4.98	897	5.59	943	6.22	987	6.87	1030	7.55	1074	8.25	1117	8.96
6636	4200	837	5.03	883	5.64	928	6.26	973	6.93	1015	7.59	1057	8.30	1097	9.02	1140	9.76
6952	4400	873	5.70	917	6.40	960	7.00	1003	7.70	1044	8.40	1084	9.10	1123	9.90	1162	10.60
7268	4600	909	6.50	950	7.10	992	7.80	1033	8.50	1073	9.30	1112	10.00	1150	10.80	1187	11.50
7584	4800	945	7.30	984	8.00	1025	8.70	1063	9.40	1103	10.20	1141	10.90	1177	11.70	1214	12.50
7900	5000	981	8.20	1019	8.90	1058	9.60	1095	10.40	1133	11.20	1170	12.00	1205	12.70	1241	13.60
8216	5200	1017	9.20	1054	9.90	1091	10.60	1128	11.40	1163	12.20	1200	13.10	1234	13.90	1268	14.70
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2528	1600	1004	3.26														
2844	1800	1012	3.66	1102	4.41	1185	5.19										
3160	2000	1022	4.05	1110	4.88	1192	5.71	1269	6.56	1342	7.43						
3476	2200	1035	4.50	1120	5.30	1201	6.30	1277	7.20	1349	8.10	1418	9.00	1483	10.00		
3792	2400	1049	4.90	1133	5.80	1211	6.80	1256	7.80	1357	8.80	1425	9.80	1490	10.80	1553	11.80
4108	2600	1065	5.40	1147	6.40	1224	7.40	1297	8.40	1366	9.50	1434	10.60	1498	11.60	1560	12.70
4424	2800	1082	6.00	1162	7.00	1238	8.00	1310	9.10	1378	10.20	1443	11.40	1507	12.50	1569	13.70
4740	3000	1101	6.60	1180	7.70	1253	8.70	1324	9.80	1391	10.90	1456	12.10	1518	13.40	1577	14.60
5056	3200	1119	7.30	1198	8.40	1271	9.50	1339	10.60	1405	11.80	1469	13.00	1531	14.30	1590	15.60
5372	3400	1138	8.00	1216	9.20	1289	10.30	1357	11.50	1421	12.70	1433	14.00	1544	15.20	1602	16.50
5688	3600	1158	8.80	1235	10.00	1307	11.20	1374	12.40	1438	13.70	1499	15.00	1558	16.30	1616	17.60
6004	3800	1178	9.60	1254	10.90	1326	12.20	1393	13.40	1456	14.80	1517	16.10	1574	17.40	1630	18.80
6320	4000	1199	10.40	1274	11.80	1345	13.20	1411	14.50	1474	15.90	1534	17.20	1592	18.70	1647	20.10
6636	4200	1220	11.30	1295	12.70	1364	14.20	1430	15.70	1493	17.10	1553	18.50	1610	19.90	1665	21.40
6952	4400	1241	12.20	1316	13.70	1384	15.30	1449	16.80	1512	18.30	1571	19.80	1628	21.30	1683	22.80
7268	4600	1264	13.20	1337	14.80	1405	16.40	1469	18.00	1531	19.60	1590	21.20	1647	22.70	1701	24.30
7584	4800	1286	14.20	1358	15.90	1426	17.60	1490	19.30	1550	21.00	1609	22.60	1665	24.30	1719	25.90
7900	5000	1309	15.30	1380	17.10	1447	18.80	1511	20.60	1571	22.40	1628	24.10	1684	25.80	1738	27.50
8216	5200	1335	16.50	1402	18.30	1468	20.10	1532	22.00	1592	23.80	1649	25.70	1704	27.50	1757	29.20
8532	5400	1361	17.70	1425	19.60	1490	21.50	1553	23.40	1612	25.30	1669	27.20	1724	29.10	1776	31.00
8848	5600	1388	19.00	1449	21.00	1513	22.90	1574	24.90	1633	26.90	1690	28.90	1744	30.90	1796	32.80
9164	5800	1416	20.40	1476	22.40	1535	24.40	1596	26.50	1655	28.50	1711	30.60	1765	32.70	1817	34.70
9480	6000	1444	21.90	1503	24.00	1559	26.00	1619	28.10	1676	30.20	1732	32.40	1786	34.50	1837	36.60
9796	6200	1473	23.60	1530	25.60	1586	27.70	1641	29.80	1698	32.00	1753	34.20	1807	36.40	1858	38.60
10112	6400	1503	25.30	1557	27.30	1612	29.50	1665	31.60	1721	33.90	1775	36.20	1828	38.40	1879	40.70
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3792	2400	1612	12.90														
4108	2600	1620	13.80	1677	15.00	1733	16.10										
4424	2800	1628	14.80	1685	16.00	1740	17.20	1794	18.40			1846	19.60				
4740	3000	1636	15.80	1693	17.10	1748	18.30	1802	19.60	1853	20.90	1904	22.20	1953	23.50	2001	24.80
5056	3200	1646	16.90	1702	18.20	1757	19.50	1810	20.80	1862	22.20	1912	23.50	1960	24.80	2008	26.20
5372	3400	1659	17.90	1713	19.30	1766	20.70	1818	22.10	1870	23.50	1920	24.90	1969	26.30	2016	27.70
5688	3600	1672	19.00	1726	20.40	1779	21.90	1830	23.30	1879	24.80	1928	26.30	1977	27.80	2024	29.30
6004	3800	1686	20.20	1739	21.60	1791	23.10	1842	24.60	1891	26.20	1939	27.70	1986	29.30	2033	30.80
6320	4000	1700	21.50	1753	23.00	1805	24.40	1855	25.90	1904	27.50	1952	29.20	1999	30.80	2044	32.40
6636	4200	1.717	22.90	1768	24.40	1819	25.90	1869	27.40	1917	29.00	1965	30.60	2011	32.30	2057	34.00
6952	4400	1735	24.30	1786	25.90	1835	27.50	1884	29.00	1932	30.60	1978	32.30	2024	33.90	2069	35.60
7268	4600	1753	25.90	1804	27.50	1853	29.10	1900	30.70	1946	32.40	1993	34.00	2038	35.70	2083	37.40
7584	4800	1771	27.50	1822	29.10	1870	30.80	1918	32.50	1964	34.20	2008	35.90	2053	37.60	2097	39.40
7900	5000	1790	29.20	1840	30.90	1888	32.60	1936	34.30	1981	36.10	2026	37.90	2069	39.60	2112	41.40
8216	5200	1809	31.00	1859	32.70	1907	34.50	1954	36.20	1999	36.10	2044	39.90	2087	41.70	2129	43.60
8532	5400	1828	32.90	1877	34.70	1925	36.50	1972	38.30	2017	40.10	2062	42.00	2105	43.90	2147	45.80
8848	5600	1847	34.80	1896	36.70	1944	38.60	1991	40.50	2036	42.30	2080	44.20	2123	46.10		
9164	5800	1867	36.70	1915	38.70	1963	40.70	2010	42.70	2055	44.60	2098	46.60	2141	48.50		
9480	6000	1887	38.80	1935	40.90	1982	42.90	2029	45.00	2074	47.00	2117	49.00				
9796	6200	1908	40.80	1955	43.00	2002	45.20	2048	47.30	2092	49.40	2136	51.50				
10112	6400	1928	43.00	1976	45.20	2022	47.50	2067	49.70	2112	51.90						

SIZE 330

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 33 in. dia.
8.64 ft. circ.

INLET 19.25 in. O.D.
2.02 Sq. ft. area

OUTLET 16.125 x 18.125 in. O.D.
2.03 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1960	1000	312	0.27	413	0.49	497	0.73	568	0.98	632	1.23	691	1.51	746	1.79	797	2.08
2352	1200	330	0.35	424	0.60	505	0.88	575	1.17	638	1.46	695	1.76	748	2.07	799	2.39
2744	1400	349	0.45	440	0.74	516	1.04	584	1.37	645	1.71	702	2.04	754	2.39	803	2.74
3136	1600	370	0.58	458	0.91	530	1.24	594	1.58	654	1.96	710	2.35	761	2.73	810	3.11
3528	1800	393	0.72	476	1.09	546	1.46	608	1.84	665	2.23	719	2.64	770	3.08	818	3.51
3920	2000	417	0.90	496	1.30	564	1.72	624	2.13	679	2.55	730	2.98	779	3.43	827	3.91
4312	2200	442	1.10	517	1.54	583	2.00	641	2.45	695	2.91	744	3.37	791	3.84	837	4.33
4704	2400	469	1.34	539	1.82	603	2.31	659	2.81	712	3.30	760	3.80	806	4.31	849	4.81
5096	2600	496	1.62	562	2.13	623	2.66	679	3.20	730	3.73	777	4.27	822	4.81	864	5.36
5488	2800	524	1.94	587	2.48	645	3.05	699	3.62	748	4.20	795	4.78	839	5.36	880	5.94
5880	3000	553	2.30	611	2.87	667	3.47	719	4.09	768	4.71	813	5.32	857	5.95	897	6.57
6272	3200	582	2.71	637	3.31	691	3.95	741	4.60	788	5.26	833	5.92	875	6.58	915	7.24
6664	3400	612	3.18	664	3.81	715	4.48	763	5.15	809	5.86	853	6.56	894	7.26	933	7.96
7056	3600	641	3.69	691	4.36	740	5.05	786	5.77	831	6.50	873	7.24	914	7.99	952	8.73
7448	3800	671	4.27	719	4.96	765	5.68	810	6.44	853	7.20	895	7.98	934	8.77	972	9.55
7840	4000	702	4.90	747	5.60	791	6.40	835	7.20	876	8.00	916	8.80	955	9.60	992	10.40
8232	4200	732	5.60	776	6.30	818	7.10	859	7.90	900	8.80	938	9.60	977	10.50	1013	11.40
8624	4400	763	6.40	805	7.10	846	8.00	884	8.80	924	9.70	962	10.60	998	11.40	1034	12.40
9016	4600	794	7.20	834	8.00	873	8.90	911	9.70	949	10.60	986	11.50	1020	12.50	1056	13.40
9408	4800	826	8.10	864	8.90	901	9.80	938	10.70	974	11.60	1010	12.60	1044	13.60	1078	14.50
9800	5000	857	9.10	893	10.00	929	10.90	965	11.80	999	12.70	1035	13.70	1068	14.70	1101	15.70
10192	5200	889	10.10	923	11.10	958	12.00	993	13.00	1026	13.90	1059	14.90	1093	16.00	1125	17.00
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3136	1600	899	3.91	980	4.72	1057	5.58	1128	6.47	1196	7.38	1260	8.30	1320	9.24		
3528	1800	906	4.40	987	5.30	1061	6.20	1131	7.10	1198	8.10	1262	9.10	1322	10.10	1380	11.10
3920	2000	914	4.90	993	5.80	1067	6.80	1137	7.80	1202	8.80	1264	9.90	1325	11.00	1382	12.10
4312	2200	922	5.40	1001	6.40	1074	7.50	1143	8.60	1208	9.70	1270	10.80	1329	11.90	1385	13.00
4704	2400	932	5.90	1010	7.00	1082	8.20	1150	9.40	1214	10.50	1276	11.70	1335	12.90	1391	14.10
5096	2600	944	6.50	1020	7.60	1091	8.90	1159	10.20	1222	11.40	1283	12.70	1341	13.90	1397	15.20
5488	2800	958	7.10	1031	8.30	1101	9.60	1168	11.00	1231	12.30	1291	13.70	1348	15.00	1403	16.30
5880	3000	973	7.80	1044	9.10	1112	10.40	1177	11.80	1240	13.20	1299	14.70	1357	16.10	1411	17.50
6272	3200	989	8.60	1059	9.90	1124	11.20	1189	12.70	1249	14.10	1309	15.70	1365	17.20	1420	18.80
6664	3400	1007	9.40	1075	10.80	1140	12.20	1200	13.60	1261	15.20	1319	16.70	1375	18.30	1429	19.90
7056	3600	1025	10.20	1092	11.70	1156	13.20	1216	14.70	1273	16.20	1330	17.80	1385	19.50	1438	21.10
7448	3800	1043	11.10	1110	12.70	1172	14.30	1232	15.90	1288	17.40	1342	19.00	1397	20.70	1449	22.40
7840	4000	1062	12.10	1128	13.70	1190	15.40	1248	17.00	1304	18.70	1357	20.40	1409	22.10	1461	23.90
8232	4200	1082	13.10	1146	14.80	1207	16.60	1265	18.30	1320	20.00	1373	21.80	1424	23.60	1473	25.30
8624	4400	1102	14.20	1165	16.00	1225	17.80	1283	19.60	1337	21.40	1389	23.30	1440	25.10	1488	27.00
9016	4600	1122	15.30	1185	17.20	1244	19.10	1301	21.00	1355	22.90	1406	24.80	1456	26.70	1504	28.70
9408	4800	1144	16.50	1205	18.50	1264	20.50	1319	22.40	1373	24.40	1424	26.40	1472	28.40	1520	30.40
9800	5000	1165	17.80	1226	19.80	1283	21.90	1338	24.00	1391	26.00	1441	28.10	1490	30.20	1537	32.20
10192	5200	1187	19.10	1247	21.30	1303	23.40	1358	25.60	1409	27.70	1459	29.90	1508	32.00	1554	34.20
10584	5400	1209	20.50	1268	22.80	1324	25.00	1378	27.20	1429	29.50	1478	31.70	1526	33.90	1572	36.20
10976	5600	1232	22.10	1289	24.40	1345	26.70	1398	29.00	1448	31.30	1497	33.60	1544	35.90	1590	38.20
11368	5800	1256	23.70	1311	26.00	1366	28.40	1418	30.80	1468	33.20	1516	35.60	1563	38.00	1608	40.40
11760	6000	1280	25.40	1333	27.80	1388	30.20	1439	32.70	1489	35.20	1536	37.70	1582	40.10	1626	42.60
12152	6200	1304	27.20	1357	29.60	1409	32.20	1460	34.70	1509	37.30	1556	39.80	1602	42.40	1646	44.90
12544	6400	1329	29.00	1381	31.60	1431	34.10	1482	36.80	1530	39.40	1577	42.10	1622	44.70	1666	47.40
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3920	2000	1438	13.20	1492	14.30	1543	15.50	1593	16.70	1641	17.80						
4312	2200	1440	14.20	1494	15.40	1545	16.70	1595	17.90	1644	19.20						
4704	2400	1445	15.30	1496	16.60	1547	17.80	1597	19.20	1646	20.50						
5096	2600	1451	16.50	1502	17.80	1552	19.10	1601	20.50	1648	21.80						
5488	2800	1457	17.70	1509	19.10	1559	20.50	1607	21.90	1654	23.40						
5880	3000	1464	19.00	1515	20.40	1565	21.90	1613	23.40	1660	24.90						
6272	3200	1472	20.30	1523	21.80	1572	23.40	1619	24.90	1666	26.50						
6664	3400	1480	21.60	1531	23.20	1580	24.90	1627	26.50	1673	28.10						
7056	3600	1490	22.90	1540	24.60	1588	26.40	1635	28.10	1681	29.80						
7448	3800	1499	24.20	1549	26.00	1597	27.90	1644	29.70	1689	31.60						
7840	4000	1511	25.60	1559	27.40	1607	29.40	1653	31.30	1698	33.20						
8232	4200	1522	27.20	1570	29.10	1617	30.90	1663	32.90	1708	34.90						
8624	4400	1535	28.80	1582	30.70	1629	32.70	1674	34.70	1717	36.60						
9016	4600	1551	30.60	1596	32.50	1640	34.50	1685	36.50	1729	38.60						
9408	4800	1567	32.40	1611	34.40		36.50	1697	38.50	1741	40.60						
9800	5000	1582	34.30	1627	36.40	1670	38.50	1712	40.60	1753	42.70						
10192	5200	1599	36.30	1643	38.50	1686	40.70	1728	42.90	1769	45.00						
10584	5400	1617	38.40		40.60	1702	42.90	1744	45.20	1784	47.40						
10976	5600	1634	40.60	1677	42.90	1719	45.20	1760	47.50	1800	49.90						
11368	5800		42.80	1695	45.20	1737	47.60	1777	50.00	1816	52.40						
11760	6000	1670	45.10	1713	47.60	1754	50.10	1794	52.60	1833	55.00						
12152	6200	1689	47.50	1731	50.10	1772	52.60	1812	55.20	1851	57.80						
12544	6400	1708	50.00	1749	52.60	1790	55.30	1830	57.90	1869	60.60						

SIZE 365

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 36.5 in. dia.
9.56 ft. circ.

INLET 21.25 in. O.D.
2.46 Sq. ft. area

OUTLET 17.75 x 20.125 in. O.D.
2.48 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	1000	282	0.33	374	0.60	449	0.89	514	1.20	571	1.51	625	1.85	674	2.19	720	2.55
2880	1200	298	0.43	384	0.74	457	1.08	520	1.43	577	1.79	629	2.16	676	2.53	722	2.93
3360	1400	316	0.55	398	0.91	466	1.27	528	1.68	584	2.09	634	2.50	682	2.92	726	3.35
3840	1600	335	0.70	414	1.11	479	1.52	537	1.94	592	2.39	642	2.87	688	3.34	732	3.81
4320	1800	355	0.88	431	1.33	494	1.79	550	2.25	601	2.73	650	3.23	696	3.77	739	4.30
4800	2000	377	1.10	449	1.59	510	2.10	564	2.61	614	3.12	660	3.65	705	4.20	747	4.79
5280	2200	400	1.34	468	1.89	527	2.44	580	3.00	628	3.56	673	4.12	715	4.70	757	5.30
5760	2400	424	1.64	487	2.22	545	2.83	596	3.43	644	4.04	687	4.65	728	5.27	767	5.88
6240	2600	449	1.98	508	2.60	564	3.25	614	3.91	660	4.57	703	5.23	743	5.89	781	6.55
6720	2800	474	2.37	530	3.03	583	3.73	632	4.43	677	5.14	719	5.85	758	6.56	796	7.27
7200	3000	500	2.81	553	3.51	603	4.24	650	5.00	695	5.76	735	6.51	774	7.28	811	8.04
7680	3200	526	3.32	576	4.05	624	4.83	670	5.63	713	6.43	753	7.24	791	8.05	827	8.86
8160	3400	553	3.89	600	4.66	646	5.48	690	6.30	732	7.17	771	8.02	808	8.88	844	9.74
8640	3600	580	4.50	625	5.30	669	6.20	711	7.11	751	8.00	790	8.90	826	9.80	861	10.70
9120	3800	607	5.20	650	6.10	691	6.90	732	7.90	771	8.80	809	9.80	845	10.70	879	11.70
9600	4000	634	6.00	676	6.90	715	7.80	755	8.80	792	9.70	828	10.70	864	11.70	897	12.80
10080	4200	662	6.80	701	7.80	740	8.70	777	9.70	814	10.80	848	11.80	883	12.80	916	13.90
10560	4400	690	7.80	727	8.70	765	9.70	800	10.80	836	11.80	869	12.90	903	14.00	935	15.10
11040	4600	718	8.80	754	9.80	790	10.80	823	11.90	858	13.00	891	14.10	923	15.20	955	16.40
11520	4800	747	9.90	781	10.90	815	12.00	848	13.10	880	14.20	913	15.40	944	16.60	974	17.80
12000	5000	775	11.10	808	12.20	840	13.30	873	14.40	903	15.60	935	16.80	966	18.00	995	19.20
12480	5200	803	12.40	835	13.50	866	14.60	898	15.90	928	17.00	958	18.30	988	19.60	1017	20.80
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3840	1600	813	4.80	886	5.80	955	6.80	1020	7.90	1081	9.00	1139	10.20	1194	11.30		
4320	1800	819	5.40	892	6.40	959	7.60	1022	8.70	1083	9.90	1141	11.10	1196	12.40	1248	13.60
4800	2000	826	6.00	898	7.10	965	8.30	1028	9.60	1087	10.80	1143	12.10	1198	13.40	1250	14.80
5280	2200	834	6.60	905	7.90	971	9.20	1033	10.50	1092	11.80	1148	13.20	1201	14.60	1252	15.90
5760	2400	843	7.20	913	8.60	979	10.00	1040	11.40	1098	12.90	1154	14.30	1207	15.80	1257	17.30
6240	2600	853	7.90	922	9.30	987	10.90	1047	12.40	1105	14.00	1160	15.50	1212	17.00	1263	18.60
6720	2800	866	8.70	932	10.20	995	11.70	1056	13.40	1113	15.10	1167	16.70	1219	18.30	1269	20.00
7200	3000	880	9.60	944	11.10	1006	12.70	1064	14.40	1121	16.20	1175	17.90	1226	19.70	1276	21.50
7680	3200	895	10.50	958	12.10	1016	13.80	1075	15.50	1130	17.30	1183	19.10	1234	21.10	1283	23.00
8160	3400	911	11.50	972	13.20	1031	14.90	1085	16.70	1140	18.50	1192	20.40	1243	22.40	1292	24.40
8640	3600	927	12.50	988	14.30	1045	16.20	1099	18.00	1151	19.90	1203	21.80	1252	23.80	1300	25.90
9120	3800	943	13.60	1004	15.50	1060	17.50	1114	19.40	1165	21.30	1213	23.30	1263	25.40	1310	27.50
4600	4000	960	14.80	1020	16.80	1076	18.80	1128	20.80	1179	22.90	1227	25.00	1273	27.00	1320	29.20
10080	4200	978	16.00	1036	18.10	1092	20.30	1144	22.40	1193	24.50	1242	26.70	1288	28.80	1332	31.00
10560	4400	996	17.30	1054	19.60	1108	21.80	1160	24.00	1209	26.20	1256	28.50	1302	30.70	1346	33.00
11040	4600	1015	18.70	1072	21.10	1125	23.40	1176	25.70	1225	28.00	1271	30.40	1316	32.70	1360	35.10
11520	4800	1034	20.20	1090	22.60	1142	25.00	1192	27.50	1241	29.90	1287	32.30	1331	34.80	1374	37.20
12000	5000	1053	21.80	1108	24.30	1160	26.80	1210	29.30	1257	31.90	1303	34.40	1347	36.90	1389	39.50
12480	5200	1073	23.40	1127	26.00	1179	28.70	1227	31.30	1274	33.90	1319	36.50	1363	39.20	1405	41.80
12960	5400	1093	25.10	1146	27.90	1197	30.60	1245	33.30	1292	36.00	1336	38.80	1379	41.50	1421	44.20
13440	5600	1114	27.00	1166	29.80	1216	32.60	1264	35.50	1309	38.30	1353	41.10	1396	43.90	1438	46.80
13920	5800	1135	29.00	1186	31.80	1235	34.80	1282	37.70	1328	40.60	1371	43.50	1413	46.40	1454	49.40
14400	6000	1157	31.10	1205	34.00	1254	37.00	1301	40.00	1346	43.10	1389	46.10	1431	49.10	1470	52.10
14880	6200	1179	33.20	1227	36.20	1274	39.30	1320	42.50	1364	45.60	1407	48.70	1448	51.90	1488	55.00
15360	6400	1202	35.50	1249	38.70	1294	41.80	1340	45.00	1383	48.20	1425	51.50	1467	54.70	1506	57.90
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4800	2000	1300	16.10	1349	17.50	1395	18.90	1440	20.40	1484	21.80						
5280	2200	1302	17.40	1350	18.90	1397	20.40	1442	21.90	1486	23.40	1528	25.00	1570	26.60	1610	28.10
5760	2400	1306	18.80	1353	20.30	1399	21.80	1444	23.40	1488	25.10	1530	26.70	1572	28.40	1612	30.00
6240	2600	1312	20.20	1358	21.80	1404	23.40	1447	25.10	1490	26.70	1532	28.40	1574	30.20	1614	32.00
6720	2800	1317	21.70	1364	23.40	1409	25.10	1453	26.80	1495	28.60	1536	30.30	1576	32.10	1616	33.90
7200	3000	1324	23.20	1370	25.00	1415	26.80	1458	28.60	1501	30.50	1542	32.30	1582	34.20	1621	36.00
7680	3200	1331	24.80	1377	26.70	1421	28.60	1464	30.50	1506	32.40	1547	34.40	1587	36.30	1626	38.30
8160	3400	1338	26.40	1384	28.40	1428	30.40	1471	32.40	1513	34.40	1553	36.40	1593	38.50	1632	40.50
8640	3600	1347	28.00	1392	30.10	1436	32.30	1478	34.40	1520	36.50	1560	38.60	1599	40.70	1638	42.90
9120	3800	1356	29.60	1401	31.80	1444	34.10	1486	36.40	1527	38.60	1568	40.80	1607	43.10	1645	45.30
9600	4000	1366	31.40	1409	33.60	1453	35.90	1495	38.30	1535	40.70	1575	43.10	1614	45.40	1652	47.70
10080	4200	1376	33.30	1420	35.60	1462	37.90	1503	40.20	1544	42.70	1583	45.20	1622	47.70	1659	50.30
10560	4400	1388	35.20	1430													

SIZE 400

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 40 in. dia.
10.47 ft. circ.

INLET 23.375 in. O.D.
2.98 Sq. ft. area

OUTLET 19.5 x 22 in. O.D.
2.98 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2882	1000	257	0.40	341	0.72	410	1.07	469	1.44	521	1.81	570	2.22	615	2.63	657	3.06
3459	1200	272	0.52	350	0.89	417	1.30	475	1.72	527	2.15	574	2.59	617	3.04	659	3.52
4035	1400	288	0.66	363	1.09	425	1.53	482	2.02	533	2.51	579	3.00	622	3.51	662	4.02
4612	1600	306	0.84	378	1.33	437	1.83	490	2.33	540	2.87	586	3.45	628	4.01	668	4.58
5188	1800	324	1.06	393	1.60	451	2.15	502	2.70	548	3.28	593	3.88	635	4.53	674	5.16
5765	2000	344	1.32	410	1.91	465	2.52	515	3.13	560	3.75	602	4.38	643	5.04	682	5.75
6341	2200	365	1.61	427	2.27	481	2.93	529	3.60	573	4.28	614	4.95	652	5.64	691	6.37
6918	2400	387	1.97	444	2.67	497	3.40	544	4.12	588	4.85	627	5.58	664	6.33	700	7.06
7494	2600	410	2.38	464	3.12	515	3.90	560	4.70	602	5.49	641	6.28	678	7.07	713	7.87
8071	2800	433	2.85	484	3.64	532	4.48	577	5.32	618	6.17	656	7.03	692	7.88	726	8.73
8647	3000	456	3.37	505	4.22	550	5.09	593	6.00	634	6.92	671	7.82	706	8.74	740	9.66
9223	3200	480	3.99	526	4.86	569	5.80	611	6.76	651	7.72	687	8.70	722	9.67	755	10.64
9800	3400	505	4.67	548	5.60	589	6.58	630	7.57	668	8.61	704	9.63	737	10.66	770	11.70
10376	3600	529	5.40	570	6.37	610	7.45	649	8.54	685	9.61	721	10.69	754	11.77	786	12.85
10953	3800	554	6.25	593	7.33	631	8.29	668	9.49	704	10.57	738	11.77	771	12.85	802	14.05
11529	4000	579	7.21	617	8.29	652	9.37	689	10.57	723	11.65	756	12.85	788	14.05	819	15.37
12106	4200	604	8.17	640	9.37	675	10.45	709	11.65	743	12.97	774	14.17	806	15.37	836	16.69
12682	4400	630	9.37	663	10.45	698	11.65	730	12.97	763	14.17	793	15.49	824	16.81	853	18.13
13259	4600	655	10.57	688	11.77	721	12.97	751	14.29	783	15.61	813	16.93	842	18.25	871	19.70
13835	4800	682	11.89	713	13.09	744	14.41	774	15.73	803	17.05	833	18.50	861	19.94	889	21.38
14412	5000	707	13.33	737	14.65	767	15.97	797	17.29	824	18.74	853	20.18	881	21.62	908	23.06
14988	5200	733	14.89	762	16.21	790	17.53	819	19.10	847	20.42	874	21.98	902	23.54	928	24.98
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4612	1600	742	5.76	808	6.97	871	8.17	931	9.49	986	10.81	1039	12.25	1090	13.57		
5188	1800	747	6.49	814	7.69	875	9.13	933	10.45	988	11.89	1041	13.33	1091	14.89	1139	16.33
5765	2000	754	7.21	819	8.53	881	9.97	938	11.53	992	12.97	1043	14.53	1093	16.09	1141	17.77
6341	2200	761	7.93	826	9.49	886	11.05	943	12.61	996	14.17	1048	15.85	1096	17.53	1142	19.10
6918	2400	769	8.65	833	10.33	893	12.01	949	13.69	1002	15.49	1053	17.17	1101	18.98	1147	20.78
7494	2600	778	9.49	841	11.17	901	13.09	955	14.89	1008	16.81	1059	18.62	1106	20.42	1152	22.34
8071	2800	790	10.45	850	12.25	906	14.05	964	16.09	1016	18.13	1065	20.06	1112	21.98	1158	24.02
8647	3000	803	11.53	861	13.33	918	15.25	971	17.29	1023	19.46	1072	21.50	1119	23.66	1164	25.82
9223	3200	817	12.61	874	14.53	927	16.57	981	18.62	1031	20.78	1079	22.94	1126	25.34	1171	27.62
9800	3400	831	13.81	887	15.85	941	17.89	990	20.06	1040	22.22	1088	24.50	1134	26.90	1179	29.30
10376	3600	846	15.01	902	17.17	954	19.46	1003	21.62	1050	23.90	1098	26.18	1142	28.58	1186	31.11
10953	3800	860	16.33	916	18.62	967	21.02	1017	23.30	1063	25.58	1107	27.98	1152	30.50	1195	33.03
11529	4000	876	17.77	931	20.18	982	22.58	1029	24.98	1076	27.50	1120	30.02	1162	32.43	1205	35.07
12106	4200	892	19.22	945	21.74	996	24.38	1044	26.90	1089	29.42	1133	32.07	1175	34.59	1215	37.23
12682	4400	909	20.78	962	23.54	1011	26.18	1059	28.82	1103	31.47	1146	34.23	1188	36.87	1228	39.63
13259	4600	926	22.46	978	25.34	1027	28.10	1073	30.87	1118	33.63	1160	36.51	1201	39.27	1241	42.15
13835	4800	944	24.26	995	27.14	1042	30.02	1088	33.03	1132	35.91	1174	38.79	1215	41.79	1254	44.68
14412	5000	961	26.18	1011	29.18	1059	32.19	1104	35.19	1147	38.31	1189	41.31	1229	44.32	1267	47.44
14988	5200	979	28.10	1028	31.23	1076	34.47	1120	37.59	1163	40.71	1204	43.84	1244	47.08	1282	50.20
15565	5400	997	30.14	1046	33.51	1092	36.75	1136	39.99	1179	43.24	1219	46.60	1258	49.84	1297	53.08
16141	5600	1017	32.43	1064	35.79	1110	39.15	1153	42.63	1194	46.00	1235	49.36	1274	52.72	1312	56.21
16718	5800	1036	34.83	1082	38.19	1127	41.79	1170	45.28	1212	48.76	1251	52.24	1289	55.73	1327	59.33
17294	6000	1056	37.35	1100	40.83	1144	44.44	1187	48.04	1228	51.76	1267	55.36	1306	58.97	1341	62.57
17871	6200	1076	39.87	1120	43.48	1163	47.20	1205	51.04	1245	54.76	1284	58.49	1321	62.33	1358	66.05
18447	6400	1097	42.63	1140	46.46	1181	50.20	1223	54.04	1262	57.89	1300	61.85	1339	65.69	1374	69.54
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5765	2000	1186	19.34	1231	21.02	1273	22.70	1314	24.50	1354	26.18						
6341	2200	1188	20.90	1232	22.70	1275	24.50	1316	26.30	1356	28.10	1394	30.02	1433	31.95	1469	33.75
6918	2400	1192	22.58	1235	24.38	1277	26.18	1318	28.10	1358	30.14	1396	32.07	1434	34.11	1471	36.03
7494	2600	1197	24.26	1239	26.18	1281	28.10	1320	30.14	1360	32.07	1398	34.11	1436	36.27	1473	38.43
8071	2800	1202	26.06	1245	28.10	1286	30.14	1326	32.19	1364	34.35	1402	36.39	1438	38.55	1475	40.71
8647	3000	1208	27.86	1250	30.02	1291	32.19	1330	34.35	1370	36.63	1407	38.79	1444	41.07	1479	43.24
9223	3200	1215	29.78	1257	32.07	1297	34.35	1336	36.63	1374	38.91	1412	41.31	1448	43.60	1484	46.00
9800	3400	1221	31.71	1263	34.11	1303	36.51	1342	38.91	1381	41.31	1417	43.72	1454	46.24	1489	48.64
10376	3600	1229	33.63	1270	36.15	1310	38.79	1349	41.31	1387	43.84	1424	46.36	1459	48.88	1495	51.52
10953	3800	1237	35.55	1278	38.19	1318	40.95	1356	43.72	1393	46.36	1431	49.00	1466	51.76	1501	54.40
11529	4000	1246	37.71	1286	40.35	1326	43.12	1364	46.00	1401	48.88	1437	51.76	1473	54.52	1507	57.29
12106	4200	1256	39.99	1296	42.75	1334	45.52	1371	48.28	1409	51.28	1444	54.28	1480	57.29	1514	60.41
12682	4400	1267	42.27														

SIZE 451

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 45.125 in. dia.
11.81 ft. circ.

INLET 26.375 in. O.D.
3.79 Sq. ft. area

OUTLET 22.25 x 24.375 in. O.D.
3.77 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3668	1000	228	0.50	303	0.92	363	1.36	416	1.83	462	2.31						
4402	1200	241	0.66	311	1.13	370	1.65	421	2.19	467	2.74	509	3.30	547	3.87		
5136	1400	256	0.84	322	1.39	377	1.94	427	2.57	472	3.19	513	3.82	552	4.46	587	5.12
5869	1600	271	1.07	335	1.70	387	2.32	434	2.97	479	3.65	519	4.39	556	5.10	592	5.82
6603	1800	287	1.35	349	2.03	400	2.74	445	3.44	486	4.17	526	4.94	563	5.76	598	6.57
7337	2000	305	1.68	363	2.43	413	3.21	456	3.99	497	4.77	534	5.58	570	6.42	604	7.32
8070	2200	324	2.05	379	2.89	426	3.73	469	4.59	508	5.44	544	6.30	578	7.18	612	8.10
8804	2400	343	2.51	394	3.39	441	4.33	482	5.24	521	6.17	556	7.11	589	8.05	620	8.99
9537	2600	363	3.03	411	3.97	456	4.97	497	5.98	534	6.98	569	7.99	601	9.00	632	10.01
10271	2800	383	3.62	429	4.63	472	5.70	511	6.77	548	7.86	582	8.94	613	10.03	644	11.11
11005	3000	404	4.29	447	5.36	488	6.48	526	7.64	562	8.80	595	9.95	626	11.13	656	12.29
11738	3200	425	5.07	466	6.19	505	7.38	542	8.61	577	9.83	609	11.07	640	12.30	669	13.54
12472	3400	447	5.95	485	7.12	523	8.38	558	9.63	592	10.96	624	12.26	654	13.57	683	14.89
13206	3600	469	6.88	506	8.10	541	9.48	575	10.87	607	12.23	639	13.60	668	14.98	696	16.35
13939	3800	491	7.95	526	9.32	559	10.55	592	12.07	624	13.45	654	14.98	683	16.35	711	17.88
14673	4000	513	9.17	547	10.55	578	11.92	611	13.45	641	14.83	670	16.35	699	17.88	726	19.56
15407	4200	535	10.39	567	11.92	599	13.30	628	14.83	658	16.51	686	18.04	714	19.56	741	21.25
16140	4400	558	11.92	588	13.30	619	14.83	647	16.51	676	18.04	703	19.72	730	21.40	756	23.08
16874	4600	581	13.45	610	14.98	639	16.51	666	18.19	694	19.87	721	21.55	747	23.23	772	25.07
17608	4800	604	15.13	632	16.66	659	18.34	686	20.02	712	21.70	738	23.54	764	25.37	788	27.21
18341	5000	627	16.97	654	18.65	679	20.33	706	22.01	730	23.84	756	25.68	781	27.51	805	29.35
19075	5200	650	18.95	675	20.63	700	22.32	726	24.30	751	25.98	775	27.97	799	29.96	823	31.79
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5869	1600	658	7.34	717	8.86												
6603	1800	662	8.25	722	9.78	776	11.62	827	13.30								
7337	2000	668	9.17	726	10.85	781	12.69	832	14.67	879	16.51	925	18.49				
8070	2200	675	10.09	732	12.07	785	14.06	836	16.05	883	18.04	929	20.18	971	22.32	1013	24.30
8804	2400	682	11.00	738	13.14	792	15.28	841	17.42	888	19.72	933	21.86	976	24.15	1017	26.44
9537	2600	690	12.07	746	14.21	798	16.66	847	18.95	894	21.40	938	23.69	980	25.98	1022	28.43
10271	2800	700	13.30	754	15.59	805	17.88	854	20.48	900	23.08	944	25.52	986	27.97	1026	30.57
11005	3000	712	14.67	764	16.97	814	19.41	861	22.01	907	24.76	950	27.36	992	30.11	1032	32.86
11738	3200	724	16.05	775	18.49	822	21.09	870	23.69	914	26.44	957	29.19	998	32.25	1038	35.15
12472	3400	737	17.58	786	20.18	834	22.77	878	25.52	922	28.28	964	31.18	1005	34.24	1045	37.29
13206	3600	750	19.11	799	21.86	845	24.76	889	27.51	931	30.42	973	33.32	1013	36.38	1052	39.59
13939	3800	763	20.79	812	23.69	857	26.75	901	29.65	942	32.56	981	35.61	1022	38.82	1060	42.03
14673	4000	777	22.62	825	25.68	870	28.73	912	31.79	954	35.00	992	38.21	1030	41.27	1068	44.63
15407	4200	791	24.46	838	27.66	883	31.03	925	34.24	965	37.45	1005	40.81	1042	44.02	1077	47.38
16140	4400	806	26.44	853	29.96	896	33.32	938	36.68	978	40.05	1016	43.56	1053	46.92	1089	50.44
16874	4600	821	28.58	867	32.25	910	35.77	951	39.28	991	42.80	1028	46.46	1064	49.98	1100	53.65
17608	4800	836	30.87	882	34.54	924	38.21	964	42.03	1004	45.70	1041	49.37	1077	53.19	1111	56.86
18341	5000	852	33.32	896	37.14	938	40.96	979	44.78	1017	48.76	1054	52.58	1090	56.40	1124	60.37
19075	5200	868	35.77	912	39.74	954	43.87	992	47.84	1030	51.81	1067	55.79	1102	59.91	1136	63.89
19809	5400	884	38.36	927	42.64	968	46.77	1007	50.90	1045	55.02	1081	59.30	1115	63.43	1149	67.56
20542	5600	901	41.27	943	45.55	984	49.83	1022	54.26	1059	58.54	1094	62.82	1129	67.10	1163	71.53
21276	5800	918	44.32	959	48.60	999	53.19	1037	57.62	1074	62.05	1109	66.49	1143	70.92	1176	75.50
22010	6000	936	47.53	975	51.97	1014	56.55	1052	61.14	1089	65.88	1124	70.46	1157	75.05	1189	79.63
22743	6200	954	50.74	992	55.33	1030	60.07	1068	64.96	1103	69.70	1138	74.44	1171	79.33	1204	84.06
23477	6400	972	54.26	1010	59.15	1047	63.89	1084	68.78	1119	73.67	1153	78.71	1187	83.61	1218	88.50
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8804	2400	1056	28.73	1094	31.03	1132	33.32										
9537	2600	1061	30.87	1098	33.32	1136	35.77	1170	38.36	1205	40.81						
10271	2800	1065	33.17	1103	35.77	1140	38.36	1175	40.96	1209	43.71	1242	46.31	1275	49.06	1307	51.81
11005	3000	1071	35.46	1108	36.21	1145	40.96	1179	43.71	1214	46.62	1247	49.37	1280	52.27	1311	55.02
11738	3200	1077	37.91	1114	40.81	1149	43.71	1184	46.62	1218	49.52	1251	52.58	1284	55.48	1315	58.54
12472	3400	1082	40.35	1119	43.41	1155	46.46	1190	49.52	1224	52.58	1256	55.64	1289	58.84	1320	61.90
13206	3600	1090	42.80	1126	46.01	1162	49.37	1196	52.58	1229	55.79	1262	59.00	1293	62.21	1325	65.57
13939	3800	1097	45.24	1133	48.60	1168	52.12	1202	55.64	1235	59.00	1268	62.36	1300	65.88	1331	69.24
14673	4000	1105	47.99	1140	51.36	1175	54.87	1209	58.54	1242	62.21	1274	65.88	1306	69.39	1336	72.91
15407	4200	1113	50.90	1149	54.41	1183	57.93	1216	61.44	1249	65.26	1280	69.09	1312	72.91	1342	76.88
16140	4400	1123	53.80	1157	57.47	1191	61.14	1224	64.81	1256	68.47	1288	72.45	1318	76.42	1349	80.40
16874	4600	1134	57.16	1167	60.83	1200	64.50	1233	68.32	1264	72.14	1295	76.12	1326	80.09	1356	84.22
17608	4800	1145	60.68	1179	64.35	1210	68.17	1241	71.99	1273	75.96	1304	79.94	1334	84.06	1363	88.04
18341	5000	1157	64.19	1190	68.17	1221	71.99	1252	75.96								

SIZE 505

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 50.5 in. dia.
13.22 ft. circ.

INLET 29.375 in. O.D.
4.71 Sq. ft. area

OUTLET 24.5 x 27.75 in. O.D.
4.72 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4594	1000	204	0.63	270	1.15	325	1.70	372	2.30	413	2.89						
5513	1200	215	0.82	278	1.42	330	2.07	376	2.74	417	3.43	455	4.13	489	4.84		
6432	1400	228	1.05	288	1.74	337	2.43	382	3.22	422	4.00	458	4.79	493	5.59	525	6.41
7351	1600	242	1.34	299	2.12	346	2.91	388	3.71	428	4.58	464	5.49	497	6.39	529	7.29
8270	1800	257	1.68	312	2.55	357	3.43	398	4.31	434	5.23	470	6.18	503	7.22	534	8.23
9188	2000	272	2.11	325	3.04	369	4.02	408	5.00	444	5.97	477	6.99	510	8.04	540	9.17
10107	2200	289	2.57	338	3.62	381	4.67	419	5.74	454	6.81	486	7.89	517	9.00	547	10.15
11026	2400	306	3.14	352	4.25	394	5.42	431	6.57	465	7.73	497	8.90	526	10.09	554	11.26
11945	2600	325	3.79	367	4.98	408	6.22	444	7.48	477	8.75	508	10.01	537	11.27	564	12.54
12864	2800	343	4.54	383	5.80	421	7.14	457	8.48	489	9.84	520	11.20	548	12.56	575	13.92
13783	3000	361	5.38	400	6.72	436	8.12	470	9.57	502	11.03	531	12.46	559	13.94	586	15.39
14701	3200	380	6.36	416	7.75	451	9.25	484	10.78	515	12.31	544	13.86	572	15.41	598	16.96
15620	3400	400	7.45	434	8.92	467	10.49	499	12.06	529	13.73	557	15.35	584	17.00	610	18.64
16539	3600	419	8.61	452	10.15	484	11.87	514	13.61	543	15.31	571	17.04	597	18.76	622	20.48
17458	3800	439	9.95	470	11.68	499	13.21	529	15.12	557	16.85	585	18.76	611	20.48	635	22.40
18377	4000	458	11.49	489	13.21	517	14.93	546	16.85	572	18.57	598	20.48	624	22.40	648	24.50
19296	4200	478	13.02	507	14.93	535	16.65	562	18.57	588	20.67	613	22.59	638	24.50	662	26.61
20214	4400	499	14.93	525	16.65	553	18.57	578	20.67	604	22.59	628	24.69	653	26.80	676	28.91
21133	4600	519	16.85	545	18.76	571	20.67	595	22.78	620	24.89	644	26.99	667	29.10	690	31.39
22052	4800	540	18.95	564	20.87	589	22.97	613	25.08	636	27.18	660	29.48	682	31.78	704	34.07
22971	5000	560	21.25	584	23.35	607	25.46	631	27.57	653	29.86	676	32.16	698	34.46	719	36.75
23890	5200	580	23.74	604	25.84	626	27.95	649	30.44	671	32.54	692	35.03	714	37.52	735	39.82
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7351	1600	588	9.19	640	11.10												
8270	1800	592	10.34	645	12.25	693	14.55	739	16.65								
9188	2000	597	11.49	649	13.59	697	15.89	743	18.38	786	20.67	826	23.16				
10107	2200	603	12.63	654	15.12	702	17.61	747	20.10	789	22.59	830	25.27	868	27.95	905	30.44
11026	2400	609	13.78	660	16.46	708	19.14	752	21.82	794	24.69	834	27.37	872	30.25	909	33.12
11945	2600	617	15.12	666	17.80	713	20.87	757	23.74	799	26.80	838	29.67	876	32.54	913	35.60
12864	2800	626	16.65	674	19.53	719	22.40	763	25.65	804	28.91	843	31.97	881	35.03	917	38.28
13783	3000	636	18.38	682	21.25	727	24.31	769	27.57	810	31.01	849	34.26	886	37.71	922	41.16
14701	3200	647	20.10	692	23.16	734	26.42	777	29.67	817	33.12	855	36.56	892	40.39	927	44.03
15620	3400	658	22.01	703	25.27	745	28.52	784	31.97	824	35.41	862	39.05	898	42.88	934	46.71
16539	3600	670	23.93	714	27.37	755	31.01	794	34.46	832	38.09	869	41.73	905	45.56	940	49.58
17458	3800	682	26.03	726	29.67	766	33.50	805	37.14	842	40.77	877	44.60	913	48.62	947	52.64
18377	4000	694	28.33	737	32.16	778	35.99	815	39.82	852	43.84	887	47.86	920	51.68	954	55.90
19296	4200	707	30.63	749	34.65	789	38.86	827	42.88	862	46.90	898	51.11	931	55.13	963	59.34
20214	4400	720	33.12	762	37.52	801	41.73	838	45.94	874	50.15	908	54.56	941	58.77	973	63.17
21133	4600	734	35.80	775	40.39	813	44.79	850	49.20	885	53.60	919	58.19	951	62.60	983	67.19
22052	4800	747	38.67	788	43.26	825	47.86	862	52.64	897	57.24	930	61.83	962	66.62	993	71.21
22971	5000	761	41.73	801	46.52	838	51.30	875	56.09	909	61.06	942	65.85	974	70.64	1004	75.61
23890	5200	776	44.79	815	49.77	852	54.94	887	59.92	921	64.89	953	69.87	985	75.04	1015	80.02
24809	5400	790	48.05	828	53.41	865	58.58	900	63.74	934	68.91	966	74.27	997	79.44	1027	84.61
25127	5600	805	51.68	843	57.04	879	62.40	914	67.96	946	73.32	978	76.68	1009	84.04	1039	89.59
26646	5800	820	55.51	857	60.87	893	66.62	927	72.17	960	77.72	991	83.27	1021	88.82	1051	94.56
27565	6000	836	59.53	871	65.08	906	70.83	940	76.57	973	82.50	1004	88.25	1034	93.99	1062	99.73
28484	6200	852	63.55	887	69.30	921	75.23	954	81.36	986	87.29	1017	93.22	1047	99.35	1075	105.28
29403	6400	869	67.96	903	74.08	935	80.02	969	86.14	1000	92.27	1030	98.58	1060	104.71	1088	110.83
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11026	2400	944	35.99	978	38.86	1011	41.73										
11945	2600	948	38.67	982	41.73	1015	44.79	1046	48.05	1077	51.11						
12864	2800	952	41.54	986	44.79	1018	48.05	1050	51.30	1081	54.75	1110	58.00	1139	61.45	1168	64.89
13783	3000	957	44.41	990	47.86	1023	51.30	1054	54.75	1085	58.38	1115	61.83	1143	65.47	1172	68.91
14701	3200	962	47.47	995	51.11	1027	54.75	1058	58.38	1088	62.02	1118	65.85	1147	69.49	1175	73.32
15620	3400	967	50.54	1000	54.36	1032	58.19	1063	62.02	1094	65.85	1122	69.68	1151	73.70	1180	77.53
16539	3600	974	53.60	1006	57.62	1038	61.83	1068	65.85	1099	69.87	1128	73.89	1156	77.91	1184	82.12
17458	3800	980	56.66	1013	60.87	1044	65.28	1074	69.68	1104	73.89	1133	78.10	1161	82.50	1189	86.72
18377	4000	987	60.11	1018	64.32	1050	68.72	1081	73.32	1109	77.91	1138	82.50	1167	86.91	1194	91.31
19296	4200	995	63.74	1026	68.15	1057	72.55	1086	76.95	1116	81.74	1144	86.52	1172	91.31	1199	96.29
20214	4400	1003	67.38	1034	71.98	1064	76.57	1094	81.16	1122	85.76	1151	90.74	1178	95.71	1206	100.69
21133	4600	1013	71.59	1043	76.19	1072	80.78	1102	85.57	1130	90.35	1157	95.33	1185	100.31	1212	105.47
22052	4800	1023	76.00	1053	80.59	1081	85.38	1109	90.16	1138	95.14	1165	100.11	1192	105.28	1218	110.26
22971	5000	1034	80.40	1063	85.38	1091	90.16	1119	95.14	1146	100.11	1173	105.09	1200	110.45	1226	115.62
23890	5200	1045	84.99	1073	90.16	1102	95.33	1129	100.31	1156	105.47	1182	110.64	1207	115.81	1234	121.17
24809	5400	1057	89.97	1085	95.14	1112	100.50	1140	105.67	1166	111.03	1192	116.39	1217	121.55	1242	126.91
25727	5600	1068	94.95	1096	100.50	1123	105.86	1150	111.22	1177	116.77	1202	122.32	1227	127.87	1252	133.23
26646	5800	1080	100.11	1108	105.86	1135	111.41	1161	117.15	1187	122.70	1212	128.45	1237	134.19	1262	139.74
27565	6000	1091	105.67	1120	111.41	1146	117.34	1172	123.09	1198	128.83	1223	134.76	1248	140.51	1272	146.25
28484	6200	1104	111.22	1131	117.15	1158	123.28	1184	129.21	1209	135.34	1234	141.27	1258	147.21		</

SIZE 575

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 57.5 in. dia.
15.05 ft. circ.

INLET 33.375 in. O.D.
6.08 Sq. ft. area

OUTLET 28.125 x 31.25 in. O.D.
6.10 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5956	1000	179	0.82	237	1.49	285	2.21	326	2.98	362	3.75						
7147	1200	189	1.07	244	1.84	290	2.68	330	3.55	366	4.44	399	5.36	429	6.28		
8339	1400	201	1.36	253	2.26	296	3.15	335	4.17	371	5.19	402	6.20	433	7.25	461	8.31
9530	1600	213	1.74	263	2.75	304	3.77	341	4.81	376	5.93	408	7.12	437	8.29	465	9.46
10721	1800	225	2.18	274	3.30	314	4.44	349	5.58	382	6.78	413	8.02	442	9.36	469	10.67
11912	2000	239	2.73	285	3.95	324	5.21	358	6.48	390	7.74	419	9.06	448	10.42	474	11.89
13103	2200	254	3.33	297	4.69	335	6.06	368	7.45	399	8.83	427	10.22	454	11.66	481	13.15
14295	2400	269	4.07	309	5.51	346	7.02	378	8.51	409	10.03	436	11.54	462	13.08	467	14.59
15486	2600	285	4.91	322	6.45	358	8.07	390	9.70	419	11.34	446	12.98	472	14.62	496	16.26
16677	2800	301	5.80	336	7.52	370	9.26	401	10.99	430	12.76	456	14.52	481	16.28	505	18.04
17868	3000	317	6.97	351	8.71	383	10.52	413	12.41	441	14.29	467	16.16	491	18.07	515	19.95
19059	3200	334	8.24	366	10.05	396	11.99	425	13.97	453	15.96	478	17.97	502	19.98	525	21.99
20251	3400	351	9.65	381	11.56	410	13.60	438	15.63	465	17.79	489	19.90	513	22.04	536	24.17
21442	3600	368	11.17	397	13.15	425	15.39	451	17.64	477	19.85	501	22.09	524	24.32	547	26.55
22633	3800	385	12.90	413	15.14	439	17.12	465	19.61	489	21.84	514	24.32	536	26.55	558	29.04
23824	4000	402	14.89	429	17.12	454	19.36	479	21.84	503	24.07	526	26.55	548	29.04	569	31.77
25016	4200	420	16.88	445	19.36	470	21.59	493	24.07	517	26.80	538	29.28	561	31.77	581	34.50
26207	4400	438	19.36	461	21.59	486	24.07	508	26.80	531	29.28	552	32.01	573	34.74	594	37.47
27398	4600	456	21.84	479	24.32	501	26.80	522	29.53	545	32.26	566	34.99	586	37.72	606	40.70
28589	4800	474	24.57	496	27.05	517	29.78	538	32.51	559	35.24	580	38.22	599	41.20	618	44.17
29780	5000	492	27.55	513	30.28	533	33.01	554	35.74	573	38.71	594	41.69	613	44.67	632	47.65
30972	5200	510	30.77	530	33.50	550	36.23	570	39.46	589	42.19	608	45.42	627	48.64	646	51.62
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9530	1600	516	11.91	562	14.39												
10721	1800	520	13.40	566	15.88	609	18.86	649	21.59								
11912	2000	524	14.89	570	17.62	613	20.60	653	23.82	690	26.80	726	30.03				
13103	2200	529	16.38	574	19.61	616	22.83	656	26.06	693	29.28	729	32.76	762	36.23	795	39.46
14295	2400	535	17.87	580	21.34	621	24.82	660	28.29	697	32.01	733	35.49	766	39.21	798	42.93
15486	2600	541	19.61	585	23.08	627	27.05	665	30.77	701	34.74	736	38.47	769	42.19	802	46.16
16677	2800	550	21.59	592	25.31	632	29.04	670	33.25	707	37.47	741	41.44	774	45.42	806	49.63
17868	3000	559	23.82	599	27.55	639	31.52	675	35.74	712	40.20	746	44.42	778	48.89	810	53.36
19059	3200	568	26.06	608	30.03	645	34.25	682	38.47	717	42.93	751	47.40	783	52.36	814	57.08
20251	3400	578	28.54	617	32.76	654	36.98	689	41.44	724	45.91	757	50.63	789	55.59	820	60.55
21442	3600	588	31.02	627	35.49	663	40.20	698	44.67	731	49.39	764	54.10	795	59.06	825	64.28
22633	3800	599	33.75	637	38.47	673	43.43	707	48.15	740	52.86	770	57.82	802	63.04	832	68.25
23824	4000	609	36.73	647	41.69	683	46.66	716	51.62	748	56.83	779	62.04	808	67.01	838	72.47
25016	4200	621	39.71	658	44.92	693	50.38	726	55.59	757	60.80	788	66.26	818	71.47	846	76.93
26207	4400	632	42.93	669	48.64	703	54.10	736	59.56	767	65.02	797	70.73	826	76.19	854	81.90
27398	4600	644	46.41	680	52.36	714	58.07	747	63.78	778	69.49	807	75.44	835	81.15	863	87.11
28589	4800	656	50.13	692	56.09	725	62.04	757	68.25	788	74.20	817	80.16	845	86.36	872	92.32
29780	5000	668	54.10	703	60.31	736	66.51	768	72.71	798	79.17	827	85.37	855	91.57	882	98.03
30972	5200	681	58.07	715	64.52	748	71.22	779	77.68	809	84.13	837	90.58	865	97.28	892	103.74
32163	5400	694	62.29	727	69.24	760	75.94	790	82.64	820	89.34	848	96.29	875	102.99	902	109.69
33354	5600	707	67.01	740	73.95	772	80.90	802	88.10	831	95.05	859	102.00	886	108.95	913	116.14
34545	5800	720	71.97	753	78.92	784	86.36	814	93.56	843	100.76	870	107.95	897	115.15	923	122.60
35737	6000	734	77.18	765	84.38	796	91.82	826	99.27	854	106.96	882	114.41	908	121.85	933	129.30
36928	6200	748	82.39	779	9.84	809	97.53	838	105.47	866	113.17	893	120.86	919	128.80	945	136.49
38119	6400	763	88.10	793	9.04	821	103.74	851	111.68	878	119.62	905	127.81	931	135.75	956	143.69
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14295	2400	829	46.66	859	50.38	888	54.10										
15486	2600	833	50.13	862	54.10	891	58.07	919	62.29	946	66.26						
16677	2800	836	53.85	866	58.07	894	62.29	922	66.51	949	70.98	975	75.20	1000	79.66	1026	84.13
17868	3000	840	57.58	870	62.04	898	66.51	926	70.98	953	75.69	979	80.16	1004	84.87	1029	89.34
19059	3200	845	61.55	874	66.26	902	70.98	929	75.69	956	80.41	982	85.37	1007	90.09	1032	95.05
20251	3400	849	65.52	879	70.48	906	75.44	934	80.41	960	85.37	986	90.33	1011	95.55	1036	100.51
21462	3600	855	69.49	884	74.70	912	80.16	938	85.37	965	90.58	990	95.79	1015	101.01	1040	106.47
22633	3800	861	73.46	889	78.92	917	84.63	943	90.33	969	95.79	995	101.25	1020	106.96	1044	112.42
23824	4000	867	77.93	894	83.39	922	89.09	949	95.05	974	101.01	1000	106.96	1025	112.67	1049	118.38
25016	4200	873	82.64	901	88.35	928	94.06	954	99.76	980	105.97	1005	112.17	1030	118.38	1053	124.83
26207	4400	881	87.36	908	93.31	934	99.27	960	105.22	986	111.18	1011	117.63	1035	124.09	1059	130.54
27398	4600	890	92.82	916	98.77	941	104.73	967	110.93	992	117.14	1016	123.59	1040	130.04	1065	136.74
28589	4600	899	98.52	925	104.48	950	110.68	974	116.89	999	123.34	1023	129.79	1047	136.49	1070	142.95
29780	5000	908	106.23	934	110.68	959	116.89	983	123.34	1006	129.79	1030					

SIZE 643

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 64.375 in. dia.
16.85 ft. circ.

INLET 37.5 in. O.D.
7.67 Sq. ft. area

OUTLET 31.5 x 35.25 in. O.D.
7.71 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7466	1000	160	1.03	212	1.87	255	2.77	291	3.73	324	4.70						
8959	1200	169	1.34	218	2.30	259	3.36	295	4.45	327	5.57	357	6.72	383	7.87		
10452	1400	179	1.71	226	2.83	264	3.95	299	5.23	331	6.50	359	7.78	387	9.08	412	10.42
11945	1600	190	2.18	235	3.45	272	4.73	304	6.03	336	7.43	364	8.93	390	10.39	415	11.85
13438	1800	201	2.74	244	4.14	280	5.57	312	7.00	341	8.49	369	10.05	395	11.73	419	13.38
14931	2000	214	3.42	255	4.95	289	6.53	320	8.12	348	9.71	374	11.35	400	13.06	424	14.90
16424	2200	227	4.17	265	5.88	299	7.59	329	9.33	356	11.07	382	12.82	405	14.62	429	16.49
17917	2400	240	5.10	276	6.91	309	8.80	338	10.67	365	12.57	390	14.46	413	16.39	435	18.29
19410	2600	255	6.16	288	8.09	320	10.11	348	12.16	374	14.22	399	16.27	421	18.32	443	20.37
20903	2800	269	7.37	301	9.43	331	11.60	358	13.76	384	15.99	408	18.20	430	20.41	451	22.61
22397	3000	283	8.74	314	10.92	342	13.19	369	15.55	394	17.92	417	20.25	439	22.65	460	25.01
23890	3200	298	10.33	327	12.60	354	15.02	380	17.51	404	20.00	427	22.52	448	25.04	469	27.56
25383	3400	314	12.10	340	14.50	366	17.05	391	19.60	415	22.30	437	24.95	458	27.62	479	30.30
26876	3600	329	14.00	354	16.49	379	19.29	403	22.12	426	24.89	448	27.68	468	30.48	488	33.28
28369	3800	344	16.18	369	18.97	392	21.46	415	24.57	437	27.37	459	30.48	479	33.28	498	36.39
29862	4000	359	18.66	383	21.46	405	24.26	428	27.37	449	30.17	469	33.28	490	36.39	509	39.82
31355	4200	375	21.15	397	24.26	420	27.06	441	30.17	462	33.59	481	36.71	501	39.82	519	43.24
32848	4400	391	24.26	412	27.06	434	30.17	454	33.59	474	36.71	493	40.13	512	43.55	530	46.97
34341	4600	407	27.37	428	30.48	448	33.59	467	37.02	486	40.44	505	43.86	523	47.28	541	51.01
35834	4800	424	30.80	443	33.91	462	37.33	481	40.75	499	44.17	518	47.90	535	51.64	552	55.37
37328	5000	439	34.53	458	37.95	476	41.37	495	44.79	512	48.53	530	52.26	548	55.99	564	59.72
38821	5200	455	38.57	473	41.99	491	45.42	509	49.46	526	52.88	543	56.92	560	60.97	577	64.70
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11945	1600	461	14.93	502	18.04												
13438	1800	464	16.80	506	19.91	544	23.64	579	27.06								
14931	2000	468	18.66	509	22.09	547	25.82	583	29.86	616	33.59	648	37.64				
16424	2200	473	20.53	513	24.57	551	28.62	586	32.66	619	36.71	651	41.06	681	45.42	710	49.46
17917	2400	478	22.40	518	26.75	555	31.11	590	35.46	623	40.13	654	44.48	684	49.15	713	53.81
19410	2600	484	24.57	523	28.93	560	33.91	594	38.57	627	43.55	658	48.21	687	52.88	716	57.86
20903	2800	491	27.06	528	31.73	564	36.39	599	41.68	631	46.97	662	51.95	691	56.92	720	62.21
22397	3000	499	29.86	535	34.53	570	39.51	603	44.79	636	50.39	666	55.68	695	61.28	723	66.88
23890	3200	507	32.66	543	37.64	576	42.93	610	48.21	641	53.81	671	59.41	700	65.63	727	71.54
25383	3400	517	35.77	551	41.06	585	46.35	615	51.95	646	57.55	676	63.46	705	69.68	733	75.90
26876	3600	526	38.88	560	44.48	593	50.39	623	55.99	653	61.90	682	67.81	710	74.03	737	80.57
28369	3800	535	42.30	569	48.21	601	54.44	632	60.35	661	66.26	688	72.48	716	79.01	743	85.54
29862	4000	544	46.04	578	52.26	610	58.48	640	64.70	668	71.23	696	77.77	722	83.99	748	90.83
31355	4200	555	49.77	587	56.30	619	63.15	649	69.68	676	76.21	704	83.05	730	89.59	755	96.43
32848	4400	565	53.81	598	60.97	628	67.81	658	74.66	685	81.50	712	88.65	738	95.50	763	102.65
34341	4600	575	58.17	608	65.63	638	72.79	667	79.94	695	87.10	721	94.56	746	101.72	771	109.18
35834	4800	586	62.83	618	70.30	648	77.77	676	85.54	704	93.01	730	100.47	755	108.25	779	115.72
37328	5000	597	67.81	628	75.59	658	83.36	686	91.14	713	99.23	739	107.01	764	114.78	788	122.87
38821	5200	608	72.79	639	80.88	668	89.28	696	97.36	722	105.45	748	113.54	773	121.94	797	130.02
40314	5400	620	78.08	650	86.79	679	95.19	706	103.58	733	111.98	757	120.69	782	129.09	806	137.49
41807	5600	632	83.99	661	92.70	689	101.41	717	110.43	742	119.14	767	127.85	792	136.56	815	145.58
43300	5800	644	90.21	672	98.92	700	108.25	727	117.27	753	126.29	777	135.31	801	144.33	824	153.67
44793	6000	656	96.74	683	105.76	711	115.09	738	124.43	763	134.07	788	143.40	811	152.73	833	162.06
46286	6200	668	103.27	696	112.60	722	122.25	748	132.20	773	141.84	798	151.49	821	161.44	844	171.08
47779	6400	682	110.43	708	120.38	734	130.02	760	139.98	784	149.93	808	160.20	832	170.15	854	180.11
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
17917	2400	740	58.48	767	63.15	793	67.81										
19410	2600	744	62.83	770	67.81	796	72.79	820	78.08	845	83.05						
20903	2800	747	67.50	773	72.79	799	78.08	824	83.36	848	88.96	871	94.25	894	99.85	916	105.45
22397	3000	751	72.17	777	77.77	802	83.36	827	88.96	851	94.67	874	100.47	897	106.38	919	111.98
23890	3200	755	77.14	781	83.05	806	88.96	830	94.87	854	100.78	877	107.01	900	112.92	922	119.14
25383	3400	759	82.12	785	88.34	810	94.56	834	100.78	858	107.01	881	113.23	903	119.76	925	125.98
26876	3600	764	87.10	789	93.63	814	100.47	838	107.01	862	113.54	885	120.07	907	126.60	929	133.45
28369	3800	769	92.07	794	98.92	819	106.07	843	113.23	866	120.07	889	126.91	911	134.07	933	140.91
29862	4000	775	97.67	799	104.52	824	111.67	848	119.14	870	126.60	893	134.07	915	141.22	937	148.38
31355	4200	780	103.58	805	110.74	829	117.89	852	125.05	875	132.82	898	140.60	920	148.38	941	156.46
32848	4400	787	109.49	811	116.96	835	124.43	858	131.89	881	139.36	903	147.44	924	155.53	946	163.62
34341	4600	795	116.34	818	123.80	841	131.27	864	139.05	886	146.82	908	154.91	929	163.00	951	171.40
35834	4800	803	123.49	826	130.96	848	138.73	870	146.51	892	154.60	914	162.69	935	171.08	955	179.17
37328	5000	811	130.65	834	138.73	856	146.51	878	154.60								

SIZE 711

TYPE RTF FAN

SHADED AREA SHOWN INDICATE HEAVY DUTY CONSTRUCTION.

WHEEL 71.25 in. dia.
18.65 ft. circ.

INLET 41.5 in. O.D.
9.39 Sq. ft. area

OUTLET 34.75 x 39 in. O.D.
9.41 Sq. ft. area

		0.5 SP		1 SP		1.5 SP		2 SP		2.5 SP		3 SP		3.5 SP		4 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9145	1000	144	1.26	192	2.29	230	3.39	263	4.57	293	5.75						
10974	1200	153	1.64	197	2.82	234	4.12	266	5.45	296	6.82	322	8.23	346	9.64		
12803	1400	162	2.10	204	3.47	239	4.84	270	6.40	299	7.96	325	9.53	349	11.13	372	12.77
14632	1600	172	2.67	212	4.23	245	5.79	275	7.39	303	9.11	329	10.94	352	12.73	375	14.52
16461	1800	182	3.35	221	5.07	253	6.82	282	8.57	308	10.40	333	12.31	357	14.37	379	16.39
18290	2000	193	4.19	230	6.06	261	8.00	289	9.95	315	11.89	338	13.91	361	16.00	383	18.25
20120	2200	205	5.11	240	7.20	270	9.30	297	11.43	322	13.57	345	15.70	366	17.91	388	20.20
21949	2400	217	6.25	249	8.46	279	10.78	305	13.07	330	15.39	352	17.72	373	20.08	393	22.41
23778	2600	230	7.54	260	9.91	289	12.38	315	14.90	338	17.41	360	19.93	381	22.44	400	24.96
25607	2800	243	9.03	272	11.55	299	14.21	324	16.88	347	19.59	368	22.29	388	25.00	408	27.70
27436	3000	256	10.71	283	13.37	309	16.16	333	19.05	356	21.95	377	24.81	397	27.74	415	30.64
29265	3200	269	12.65	295	15.43	320	18.40	343	21.45	365	24.50	386	27.59	405	30.67	424	33.76
31094	3400	283	14.82	307	17.76	331	20.88	353	24.01	375	27.32	395	30.56	414	33.84	432	37.11
32923	3600	297	17.15	320	20.20	343	23.63	364	27.09	385	30.48	405	33.91	423	37.34	441	40.77
34752	3800	311	19.81	333	23.24	354	26.29	375	30.10	395	33.53	414	37.34	433	40.77	450	44.58
36581	4000	325	22.86	346	26.29	366	29.72	387	33.53	406	36.96	424	40.77	443	44.58	460	48.77
38410	4200	339	25.91	359	29.72	379	33.15	398	36.96	417	41.15	434	44.96	452	48.77	469	52.97
40239	4400	353	29.72	372	33.15	392	36.96	410	41.15	428	44.96	445	49.16	463	53.35	479	57.54
42068	4600	368	33.53	386	37.34	405	41.15	422	45.35	440	49.54	456	53.73	473	57.92	489	62.49
43897	4800	383	37.72	400	41.53	418	45.73	434	49.92	451	54.11	468	58.68	484	63.25	499	67.83
45726	5000	397	42.30	414	46.49	430	50.68	447	54.87	463	59.44	479	64.02	495	68.59	510	73.16
47555	5200	411	47.25	428	51.44	444	55.63	460	60.59	475	64.78	491	69.73	506	74.69	521	79.26
		5 SP		6 SP		7 SP		8 SP		9 SP		10 SP		11 SP		12 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14632	1600	416	18.29	454	22.10												
16461	1800	420	20.58	457	24.39	491	28.96	524	33.15								
18290	2000	423	22.86	460	27.05	494	31.63	527	36.58	557	41.15	586	46.11				
20120	2200	427	25.15	464	30.10	497	35.06	529	40.01	559	44.96	588	50.30	615	55.63	641	60.59
21949	2400	432	27.44	468	32.77	502	38.11	533	43.44	562	49.16	591	54.49	618	60.21	644	65.92
23778	2600	437	30.10	472	35.44	506	41.53	536	47.25	566	53.35	594	59.06	621	64.78	647	70.88
25607	2800	444	33.15	477	38.87	510	44.58	541	51.06	570	57.54	598	63.64	624	69.73	650	76.21
27436	3000	451	36.58	484	42.30	515	48.39	545	54.87	574	61.73	602	68.21	628	75.07	654	81.93
29265	3200	458	40.01	491	46.11	520	52.59	551	59.06	579	65.92	606	72.78	632	80.40	657	87.64
31094	3400	467	43.82	498	50.30	528	56.78	556	63.64	584	70.49	611	77.73	637	85.36	662	92.98
32923	3600	475	47.63	506	54.49	535	61.73	563	68.59	590	75.83	616	83.07	641	90.69	666	98.69
34752	3800	483	51.82	514	59.06	543	66.68	571	73.92	597	81.16	621	88.79	647	96.79	671	104.79
36581	4000	492	56.40	523	64.02	551	71.64	578	79.26	604	87.26	629	95.26	652	102.88	676	111.27
38410	4200	501	60.97	531	68.97	559	77.35	586	85.36	611	93.36	636	101.74	660	109.74	682	118.13
40239	4400	510	65.92	540	74.69	568	83.07	594	91.45	619	99.84	643	106.60	667	116.98	690	125.75
42068	4600	520	71.26	549	80.40	576	89.17	602	97.93	628	106.69	651	115.84	674	124.60	697	133.75
43897	4800	530	76.97	558	86.12	585	95.26	611	104.79	636	113.93	659	123.08	682	132.61	704	141.75
45726	5000	539	83.07	568	92.60	594	102.12	620	111.65	644	121.56	668	131.08	690	140.61	712	150.52
47555	5200	550	89.17	577	99.07	604	109.36	629	119.27	653	129.18	676	139.08	698	149.37	720	159.28
49384	5400	560	95.64	587	106.31	613	116.60	638	126.89	662	137.18	684	147.85	706	158.14	728	168.42
51213	5600	571	102.88	597	113.55	623	124.22	648	135.27	671	145.94	693	156.61	715	167.28	737	178.33
53042	5800	581	110.51	608	121.17	633	132.61	657	143.66	680	154.71	702	165.76	724	176.81	745	188.24
54871	6000	593	118.51	617	129.56	642	140.99	666	152.42	690	164.23	712	175.66	733	187.10	753	198.53
56701	6200	604	126.51	629	137.94	653	149.75	676	161.95	699	173.76	721	185.57	742	197.77	762	209.58
58530	6400	616	135.27	640	147.47	663	159.28	686	171.47	708	183.67	730	196.24	752	208.44	771	220.63
		13 SP		14 SP		15 SP		16 SP		17 SP		18 SP		19 SP		20 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
21949	2400	669	71.64	693	77.35	717	83.07										
23778	2600	672	76.97	696	83.07	719	89.17	741	95.64	763	101.74						
25607	2800	675	82.69	699	89.17	722	95.64	744	102.12	766	108.98	787	115.46	807	122.32	828	129.18
27436	3000	678	88.40	702	95.26	725	102.12	747	108.98	769	116.22	790	123.08	810	130.32	830	137.18
29265	3200	682	94.50	705	101.74	728	108.98	750	116.22	771	123.46	792	131.08	813	138.32	833	145.94
31094	3400	685	100.60	709	108.22	732	115.84	754	123.46	775	131.08	796	138.70	816	146.70	836	154.33
32923	3600	690	106.69	713	114.70	736	123.08	757	131.08	779	139.08	799	147.09	819	155.09	839	163.47
34752	3800	695	112.79	718	121.17	740	129.94	761	138.70	782	147.09	803	155.47	823	164.23	843	172.62
36581	4000	700	119.65	722	128.03	744	136.80	766	145.94	786	155.09	807	164.23	827	173.00	846	181.76
38410	4200	705	126.89	727	135.65	749	144.42	770	153.18	791	162.71	811	172.24	831	181.76	850	191.67
40239	4400	711	134.13	733	143.28	754	152.42	775	161.57	796	170.71	816	180.62	835	190.53	854	200.43
42068	4600	718	142.51	739	151.66	760	160.80	781	170.33	801	179.86	820	189.76	840	199.67	859	209.96
43897	4800	725	151.28	746	160.42	766	169.95	786	179.48	806	189.38	826	199.29	845	209.58	863	219.49
45726	5000																

CONSTRUCTION MATERIALS

FAN SIZE	HOUSING			RTF WHEEL			RTB WHEEL			
	SIDE	SIDE PLATE	SCROLL	STD.	H.D.	BACK PLATE	STANDARD		HEAVY DUTY	
				BLADE	BLADE		R. RIM	BLADE	R. RIM	BLADE
122	12	10	12	7	7	1/4	-	-	-	-
155	12	10	12	7	7	1/4	-	-	-	-
191	12	10	12	7	1/4	1/4	-	-	-	-
225	10	10	10	7	1/4	1/4	-	-	-	-
261	10	10	10	1/4	5/16	5/16	-	-	-	-
291	10	10	10	1/4	5/16	5/16	-	-	-	-
330	10	10	10	1/4	5/16	5/16	-	-	-	-
365	7	7	10	5/16	3/8	3/8	-	-	-	-
400	7	7	7	5/16	3/8	3/8	-	-	-	-
451	7	7	7	5/16	3/8	3/8	1/4	1/4	1/4	3/8
505	7	7	7	5/16	3/8	3/8	1/4	1/4	1/4	3/8
575	7	1/4	7	3/8	1/2	1/2	1/4	1/4	1/4	3/8
643	7	1/4	7	3/8	1/2	1/2	1/4	1/4	1/4	3/8
711	1/4	1/4	7	3/8	1/2	1/2	1/4	5/16	1/4	3/8

FAN STARTING REQUIREMENT

Occasionally fan wheel inertia $[WR_2]$ is larger than the motor capacity to start and accelerate a fan to operating speed. The motor torque must be sufficient to overcome bearing resistance, provide energy to accelerate the mass of the wheel, shaft, drive sheaves, and/or coupling. For some size motors the available torque will vary from one manufacturer to another. Therefore, the information from motor manufacturer is required in cases where fan wheel inertia is larger, some type of centrifugal or plate clutching device must be used so that the fan can be brought to speed without damaging motor.

The required motor starting torque can be calculated from the following relationship:

$$WC_2 = (WR_2) \left(\frac{\text{FAN RPM}}{\text{MOTOR RPM}} \right) \quad (1.10)$$

where:

WC_2 = Required motor starting torque lb-ft₂

FAN SIZE	RTF				RTB			
	STANDARD		HEAVY DUTY		STANDARD		HEAVY DUTY	
	lb	WR_2	lb	WR_2	lb	WR_2	lb	WR_2
122	8	0.8	15	1.3	-	-	-	-
155	16	2	20	2.5	-	-	-	-
191	24	6	52	10	-	-	-	-
225	48	15	60	18	-	-	-	-
261	70	26	75	29	-	-	-	-
291	100	50	115	55	-	-	-	-
330	127	60	140	65	-	-	-	-
365	165	75	180	80	-	-	-	-
400	176	96	198	110	-	-	-	-
451	420	530	468	590	440	775	450	810
505	480	785	548	890	530	1170	560	1240
573	750	1680	840	1850	840	2410	930	2670
643	850	2100	960	2380	1020	3662	1145	4115
711	1225	3900	1275	4080	1270	5563	1400	6140