

SIZE 100

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 0.638 S. F. OUTLET AREA = 0.632 S. F. WHEEL DIAMETER = 10.5"
 TIP SPEED FPM = 2.75 x RPM MAX. BHP = .033 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
379	600	607	0.01	913	0.03	1148	0.05	1359	0.07				
506	800	811	0.02	1066	0.04	1259	0.06	1437	0.09	1604	0.13	1910	0.20
632	1000	1012	0.03	1237	0.06	1401	0.09	1554	0.12	1700	0.16	1972	0.24
758	1200	1214	0.05	1420	0.09	1563	0.12	1697	0.16	1825	0.20	2067	0.28
885	1400	1417	0.08	1610	0.13	1737	0.17	1857	0.21	1971	0.25	2189	0.34
1011	1600	1620	0.12	1803	0.18	1918	0.22	2026	0.27	2129	0.32	2327	0.41
1138	1800	1823	0.17	2001	0.25	2106	0.29	2204	0.34	2299	0.39	2480	0.50
1264	2000	2025	0.24	2200	0.32	2296	0.38	2387	0.43	2474	0.49	2642	0.60
1390	2200	2226	0.31	2400	0.42	2489	0.48	2573	0.54	2655	0.60	2811	0.72
1517	2400	2430	0.41	2603	0.53	2686	0.60	2764	0.66	2841	0.72	2986	0.86
1643	2600	2632	0.52	2805	0.66	2883	0.73	2957	0.80	3028	0.87	3166	1.01
1770	2800	2836	0.65	3010	0.82	3083	0.89	3152	0.97	3220	1.04	3350	1.19
1896	3000	3037	0.80	3214	0.99	3282	1.07	3348	1.15	3412	1.23	3535	1.39
2022	3200	3238	0.97	3419	1.19	3483	1.28	3546	1.36	3606	1.45	3723	1.62
2149	3400	3442	1.16	3625	1.42	3686	1.51	3746	1.60	3803	1.69	3915	1.87
2275	3600	3644	1.38	3831	1.67	3889	1.77	3945	1.86	4000	1.96	4107	2.15
2402	3800	3848	1.62	4038	1.95	4093	2.05	4147	2.16	4200	2.26	4302	2.46
2528	4000	4049	1.89	4244	2.27	4297	2.37	4348	2.48	4399	2.59	4496	2.80
2654	4200	4251	2.19	4451	2.61	4501	2.72	4550	2.83	4598	2.95	4692	3.17
2781	4400	4454	2.52	4659	2.99	4707	3.11	4754	3.23	4801	3.35	4891	3.58
CFM	CV	2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
632	1000	2224	0.33	2459	0.42								
758	1200	2296	0.38	2512	0.48	2717	0.59	2912	0.70				
885	1400	2396	0.44	2594	0.55	2784	0.67	2966	0.79	3142	0.92	3311	1.05
1011	1600	2516	0.52	2697	0.63	2873	0.76	3043	0.88	3208	1.02	3367	1.16
1138	1800	2653	0.61	2821	0.73	2973	0.85	3141	0.99	3295	1.13	3445	1.28
1264	2000	2802	0.72	2957	0.85	3108	0.98	3255	1.12	3399	1.27	3539	1.42
1390	2200	2960	0.85	3104	0.98	3245	1.12	3383	1.27	3518	1.42	3650	1.58
1517	2400	3126	0.99	3262	1.14	3394	1.28	3523	1.44	3650	1.59	3774	1.76
1643	2600	3297	1.16	3425	1.31	3549	1.46	3671	1.62	3800	1.80	3908	1.96
1770	2800	3474	1.35	3595	1.51	3713	1.67	3828	1.84	3941	2.01	4052	2.19
1896	3000	3653	1.56	3768	1.73	3880	1.89	3989	2.07	4097	2.25	4203	2.44
2022	3200	3836	1.79	3945	1.97	4052	2.15	4156	2.33	4258	2.52	4359	2.71
2149	3400	4022	2.06	4127	2.24	4228	2.43	4328	2.62	4426	2.82	4522	3.02
2275	3600	4210	2.35	4309	2.54	4407	2.74	4502	2.94	4596	3.15	4689	3.35
2402	3800	4400	2.66	4496	2.87	4600	3.10	4681	3.29	4771	3.50	4860	3.72
2528	4000	4591	3.01	4683	3.23	4773	3.45	4861	3.67	4948	3.89	5033	4.11
2654	4200	4783	3.39	4872	3.62	4959	3.85	5044	4.08	5127	4.31	5210	4.55
2781	4400	4978	3.81	5064	4.05	5148	4.39	5230	4.53	5310	4.77	5390	5.01
CFM	OV	5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1011	1600	3522	1.30	3819	1.61								
1138	1800	3591	1.43	3873	1.75	4400	2.44						
1264	2000	3677	1.57	3944	1.90	4448	2.61	4917	3.39				
1390	2200	3779	1.74	4032	2.08	4513	2.81	4963	3.61	5388	4.47		
1517	2400	3896	1.92	4135	2.28	4592	3.03	5025	3.85	5435	4.74	5824	5.67
1643	2600	4024	2.13	4250	2.50	4685	3.27	5099	4.12	5494	5.02	5872	5.98
1770	2800	4162	2.37	4377	2.74	4791	3.54	5187	4.41	5567	5.34	5932	6.31
1896	3000	4307	2.63	4511	3.01	4906	3.84	5286	4.73	5651	5.67	6003	6.67
2022	3200	4459	2.91	4654	3.31	5031	4.16	5394	5.07	5746	6.05	6085	7.07
2149	3400	4617	3.22	4804	3.64	5165	4.52	5513	5.45	5851	6.45	6179	7.50
2275	3600	4780	3.57	4958	4.00	5305	4.90	5640	5.87	5964	6.88	6280	7.95
2402	3800	4948	3.94	5119	4.39	5452	5.32	5774	6.31	6087	7.36	6391	8.44
2528	4000	5118	4.35	5283	4.81	5603	5.77	5913	6.79	6215	7.86	6509	8.97
2654	4200	5291	4.78	5450	5.26	5759	6.26	6058	7.31	6350	8.40	6634	9.54
2781	4400	5468	5.26	5622	5.76	5921	6.79	6210	7.86	6497	9.01	6766	10.15

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 122

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 0.869 S. F. OUTLET AREA = 0.86 S. F. WHEEL DIAMETER = 12.25"

TIP SPEED FPM = 3.207 x RPM MAX. BHP = .072 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
516	600	528	0.01	783	0.03	984	0.06	1165	0.10				
688	800	708	0.02	914	0.05	1079	0.09	1231	0.13	1374	0.17		
860	1000	886	0.04	1062	0.08	1202	0.12	1332	0.17	1456	0.22	1609	0.28
1032	1200	1063	0.07	1217	0.12	1342	0.17	1456	0.22	1565	0.27	1771	0.39
1204	1400	1240	0.12	1377	0.18	1491	0.23	1594	0.28	1693	0.34	1876	0.47
1376	1600	1417	0.18	1540	0.24	1645	0.31	1739	0.37	1828	0.43	1996	0.57
1548	1800	1594	0.26	1706	0.33	1803	0.40	1891	0.47	1973	0.54	2128	0.68
1720	2000	1772	0.36	1872	0.43	1964	0.51	2046	0.58	2123	0.66	2268	0.82
1892	2200	1949	0.47	2040	0.56	2127	0.64	2204	0.73	2277	0.81	2413	0.98
2064	2400	2126	0.61	2209	0.70	2291	0.80	2365	0.89	2434	0.99	2563	1.17
2236	2600	2303	0.78	2379	0.88	2457	0.98	2527	1.08	2593	1.18	2716	1.39
2408	2800	2480	0.97	2550	1.08	2624	1.19	2691	1.30	2754	1.41	2871	1.63
2580	3000	2657	1.20	2721	1.30	2792	1.43	2856	1.55	2916	1.66	3029	1.90
2752	3200	2835	1.45	2893	1.56	2960	1.70	3022	1.83	3080	1.95	3188	2.20
2924	3400	3012	1.74	3065	1.86	3129	2.00	3189	2.14	3245	2.27	3349	2.54
3096	3600	3189	2.07	3237	2.18	3299	2.34	3357	2.49	3411	2.63	3511	2.91
3268	3800	3366	2.43	3410	2.55	3469	2.71	3525	2.87	3577	3.02	3675	3.32
3440	4000	3543	2.84	3583	2.95	3640	3.12	3694	3.30	3744	3.46	3839	3.77
3612	4200	3720	3.28	3756	3.40	3811	3.58	3863	3.76	3912	3.93	4004	4.27
3784	4400	3898	3.78	3930	3.89	3983	4.08	4033	4.27	4080	4.45	4169	4.80
CFM	CV	2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
860	1000	1906	0.44	2113	0.58								
1032	1200	1967	0.52	2151	0.65	2332	0.81	2503	0.97				
1204	1400	2051	0.60	2222	0.75	2385	0.91	2542	1.07	2694	1.25	2839	1.43
1376	1600	2157	0.71	2311	0.86	2460	1.03	2607	1.20	2748	1.38	2884	1.57
1548	1800	2275	0.84	2417	1.00	2556	1.17	2690	1.35	2822	1.54	2950	1.74
1720	2000	2404	0.97	2536	1.16	2664	1.34	2789	1.53	2912	1.73	3032	1.93
1892	2200	2541	1.16	2664	1.34	2784	1.53	2901	1.73	3015	1.93	3127	2.15
2064	2400	2683	1.36	2800	1.55	2912	1.75	3022	1.96	3129	2.17	3235	2.40
2236	2600	2830	1.59	2940	1.79	3048	2.01	3151	2.22	3253	2.45	3351	2.67
2408	2800	2981	1.84	3085	2.06	3186	2.28	3286	2.51	3382	2.75	3476	2.97
2580	3000	3134	2.13	3234	2.36	3330	2.59	3424	2.84	3517	3.08	3606	3.33
2752	3200	3289	2.45	3385	2.69	3478	2.94	3568	3.19	3656	3.45	3742	3.71
2924	3400	3447	2.80	3539	3.06	3628	3.32	3715	3.59	3800	3.86	3882	4.13
3096	3600	3605	3.19	3695	3.47	3781	3.74	3864	4.02	3946	4.31	4025	4.59
3268	3800	3766	3.62	3852	3.91	3935	4.20	4016	4.49	4094	4.79	4171	5.09
3440	4000	3927	4.08	4011	4.39	4092	4.70	4170	5.01	4246	5.32	4320	5.63
3612	4200	4090	4.60	4171	4.92	4249	5.24	4325	5.56	4399	5.89	4471	6.21
3784	4400	4253	5.15	4331	5.48	4408	5.83	4482	6.17	4554	6.51	4623	6.84
CFM	OV	5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1204	1400	2986	1.63										
1376	1600	3019	1.77	3277	2.20								
1548	1800	3076	1.95	3317	2.37	3776	3.32						
1720	2000	3150	2.14	3378	2.59	3812	3.56	4223	4.64				
1892	2200	3238	2.37	3454	2.83	3864	3.82	4258	4.93	4622	6.10		
2064	2400	3339	2.62	3541	3.09	3934	4.12	4305	5.24	4660	6.45	4998	7.74
2236	2600	3450	2.91	3642	3.40	4013	4.45	4368	5.60	4707	6.83	5033	8.14
2408	2800	3570	3.23	3751	3.74	4104	4.82	4443	6.00	4768	7.25	5082	8.59
2580	3000	3699	3.60	3868	4.11	4204	5.23	4528	6.43	4840	7.72	5143	9.08
2752	3200	3829	3.98	3993	4.53	4313	5.68	4622	6.91	4922	8.23	5213	9.61
2924	3400	3964	4.41	4121	4.97	4428	6.16	4725	7.43	5012	8.77	5292	10.19
3096	3600	4103	4.88	4256	5.47	4551	6.70	4834	8.00	5111	9.37	5380	10.82
3268	3800	4246	5.39	4395	6.01	4679	7.28	4951	8.61	5216	10.01	5476	11.50
3440	4000	4394	5.95	4535	6.58	4808	7.89	5071	9.27	5328	10.71	5578	12.22
3612	4200	4542	6.54	4680	7.21	4944	8.57	5197	9.98	5445	11.46	5686	13.00
3784	4400	4693	7.19	4825	7.87	5083	9.29	5328	10.75	5567	12.26	5800	13.83

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 135

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 1.05 S. F. OUTLET AREA = 1.04 S. F. WHEEL DIAMETER = 13.5"
 TIP SPEED FPM = 3.54 x RPM MAX. BHP = .12 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
624	600	478	0.01	709	0.04	892	0.08	1057	0.12				
832	800	639	0.03	828	0.06	977	0.11	1116	0.15	1246	0.21	1488	0.33
1040	1000	798	0.05	961	0.10	1089	0.15	1207	0.20	1320	0.26	1534	0.39
1248	1200	958	0.09	1101	0.15	1215	0.20	1318	0.26	1417	0.33	1606	0.47
1456	1400	1117	0.14	1246	0.21	1349	0.28	1442	0.34	1523	0.41	1699	0.56
1664	1600	1277	0.22	1393	0.29	1488	0.37	1574	0.44	1655	0.52	1808	0.68
1872	1800	1437	0.31	1542	0.40	1631	0.48	1711	0.56	1785	0.65	1926	0.82
2080	2000	1596	0.42	1693	0.52	1776	0.61	1851	0.71	1921	0.80	2052	0.99
2288	2200	1756	0.56	1845	0.67	1923	0.77	1994	0.88	2060	0.98	2183	1.19
2496	2400	1915	0.73	1997	0.84	2072	0.96	2139	1.08	2202	1.19	2319	1.41
2704	2600	2075	0.93	2151	1.05	2222	1.18	2286	1.30	2345	1.42	2457	1.67
2912	2800	2235	1.15	2305	1.29	2372	1.43	2434	1.56	2491	1.70	2597	1.95
3120	3000	2394	1.42	2460	1.57	2524	1.72	2583	1.86	2637	2.00	2740	2.28
3328	3200	2554	1.73	2615	1.88	2676	2.04	2733	2.20	2785	2.35	2884	2.65
3536	3400	2714	2.07	2770	2.23	2829	2.40	2883	2.57	2934	2.73	3029	3.05
3744	3600	2873	2.45	2926	2.62	2982	2.81	3035	2.99	3084	3.16	3175	3.50
3952	3800	3036	2.90	3082	3.06	3136	3.26	3187	3.45	3234	3.63	3323	4.00
4160	4000	3193	3.37	3238	3.54	3291	3.76	3339	3.96	3385	4.15	3471	4.54
4368	4200	3352	3.90	3395	4.08	3445	4.30	3492	4.52	3537	4.72	3620	5.13
4576	4400	3512	4.49	3552	4.67	3600	4.90	3646	5.13	3689	5.35	3770	5.78
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1040	1000	1733	0.54	1917	0.70								
1248	1200	1784	0.62	1953	0.79	2117	0.81	2270	1.17				
1456	1400	1861	0.73	2014	0.91	2164	0.91	2307	1.30	2443	1.51	2578	1.74
1664	1600	1955	0.86	2095	1.04	2233	1.24	2365	1.45	2493	1.68	2619	1.91
1872	1800	2061	1.01	2190	1.21	2316	1.42	2438	1.63	2558	1.86	2675	2.10
2080	2000	2177	1.19	2297	1.40	2413	1.62	2527	1.84	2639	2.08	2748	2.33
2288	2200	2300	1.40	2412	1.62	2523	1.86	2627	2.09	2732	2.34	2834	2.59
2496	2400	2430	1.64	2534	1.87	2636	2.11	2736	2.37	2834	2.62	2930	2.89
2704	2600	2562	1.91	2661	2.16	2758	2.42	2852	2.68	2944	2.95	3035	3.23
2912	2800	2697	2.22	2792	2.48	2884	2.75	2973	3.03	3061	3.31	3147	3.60
3120	3000	2835	2.56	2926	2.84	3014	3.13	3099	3.42	3183	3.71	3265	4.02
3328	3200	2975	2.94	3063	3.24	3147	3.54	3229	3.85	3309	4.16	3387	4.48
3536	3400	3118	3.37	3203	3.69	3283	4.00	3361	4.32	3438	4.65	3514	4.98
3744	3600	3261	3.84	3342	4.17	3421	4.51	3496	4.84	3570	5.18	3643	5.53
3952	3800	3406	4.35	3485	4.71	3560	5.06	3633	5.41	3705	5.77	3775	6.13
4160	4000	3552	4.92	3628	5.29	3701	5.66	3772	6.03	3841	6.40	3909	6.78
4368	4200	3698	5.52	3773	5.92	3844	6.31	3913	6.70	3980	7.09	4045	7.48
4576	4400	3846	6.19	3918	6.61	3987	7.01	4054	7.42	4119	7.83	4183	8.24
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1456	1400	2706	1.97										
1664	1600	2740	2.15	2974	2.66								
1872	1800	2791	2.35	3013	2.88	3428	4.03						
2080	2000	2856	2.59	3064	3.13	3462	4.32	3829	5.61				
2288	2200	2936	2.86	3131	3.42	3507	4.63	3862	5.96	4200	7.41		
2496	2400	3026	3.17	3210	3.74	3567	4.99	3907	6.35	4230	7.82	4540	9.40
2704	2600	3125	3.51	3300	4.11	3638	5.39	3961	6.78	4273	8.28	4570	9.88
2912	2800	3232	3.90	3398	4.51	3719	5.83	4028	7.25	4325	8.78	4614	10.42
3120	3000	3345	4.32	3503	4.96	3809	6.32	4104	7.78	4391	9.40	4666	11.00
3328	3200	3464	4.80	3615	5.46	3907	6.85	4189	8.35	4464	9.96	4729	11.64
3536	3400	3587	5.31	3731	6.00	4011	7.44	4281	8.98	4544	10.61	4799	12.33
3744	3600	3713	5.88	3852	6.59	4120	8.08	4379	9.66	4631	11.32	4876	13.08
3952	3800	3843	6.49	3977	7.24	4235	8.78	4483	10.39	4726	12.1	4962	13.89
4160	4000	3975	7.16	4104	7.93	4353	9.52	4593	11.10	4826	12.94	5054	14.77
4368	4200	4109	7.88	4234	8.68	4475	10.33	4706	12.04	4931	13.83	5151	15.70
4576	4400	4245	8.65	4366	9.48	4599	11.19	4823	12.96	5043	14.81	5254	16.71

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 150

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 1.303 S. F. OUTLET AREA = 1.289 S. F. WHEEL DIAMETER = 15.0"
 TIP SPEED FPM = 3.927 x RPM MAX. BHP = .221 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
773	600	425	0.01	640	0.05	803	0.10	951	0.15				
1031	800	566	0.03	748	0.08	881	0.13	1004	0.19	1122	0.26		
1289	1000	708	0.06	868	0.13	984	0.19	1088	0.25	1189	0.32	1379	0.48
1547	1200	850	0.11	994	0.18	1098	0.26	1192	0.33	1278	0.41	1446	0.58
1805	1400	992	0.17	1123	0.26	1219	0.35	1304	0.43	1384	0.52	1532	0.70
2062	1600	1133	0.25	1254	0.36	1344	0.46	1422	0.55	1494	0.65	1631	0.85
2320	1800	1275	0.36	1386	0.48	1471	0.60	1545	0.70	1614	0.81	1740	1.03
2578	2000	1416	0.49	1519	0.63	1601	0.76	1671	0.88	1735	1.00	1854	1.24
2836	2200	1558	0.66	1652	0.81	1732	0.96	1799	1.09	1861	1.22	1975	1.49
3094	2400	1700	0.85	1787	1.02	1864	1.18	1929	1.33	1988	1.48	2095	1.76
3351	2600	1841	1.08	1920	1.26	1996	1.45	2059	1.61	2116	1.77	2219	2.08
3609	2800	1983	1.35	2055	1.54	2129	1.74	2190	1.93	2246	2.10	2345	2.44
3867	3000	2125	1.67	2190	1.86	2262	2.08	2322	2.29	2376	2.48	2473	2.84
4125	3200	2266	2.02	2325	2.21	2396	2.47	2455	2.69	2508	2.90	2602	3.29
4382	3400	2408	2.42	2460	2.62	2530	2.89	2587	3.13	2639	3.36	2731	3.79
4640	3600	2549	2.87	2596	3.07	2664	3.37	2721	3.63	2771	3.87	2861	4.33
4898	3800	2691	3.38	2731	3.57	2799	3.89	2855	4.18	2904	4.44	2992	4.93
5156	4000	2832	3.94	2867	4.12	2933	4.47	2988	4.78	3037	5.06	3124	5.59
5414	4200	2975	4.57	3003	4.73	3068	5.10	3123	5.44	3171	5.74	3256	6.31
5672	4400	3116	5.25	3139	5.39	3203	5.80	3257	6.15	3304	6.48	3389	7.09
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1289	1000	1557	0.67	1725	0.87								
1547	1200	1606	0.77	1758	0.98	1903	1.21						
1805	1400	1675	0.90	1813	1.12	1947	1.36	2075	1.61	2199	1.87		
2062	1600	1761	1.06	1887	1.29	2008	1.54	2128	1.80	2242	2.07	2356	2.36
2320	1800	1859	1.26	1974	1.50	2086	1.75	2196	2.03	2303	2.31	2408	2.68
2578	2000	1965	1.48	2072	1.74	2176	2.01	2277	2.29	2377	2.58	2475	2.89
2836	2200	2077	1.75	2177	2.02	2274	2.30	2369	2.60	2462	2.90	2553	3.22
3094	2400	2194	2.05	2288	2.34	2381	2.64	2411	2.95	2558	3.27	2644	3.60
3351	2600	2314	2.39	2404	2.70	2490	3.01	2575	3.34	2659	3.68	2739	4.02
3609	2800	2436	2.77	2522	3.10	2606	3.44	2686	3.78	2762	4.12	2842	4.49
3867	3000	2561	3.20	2644	3.55	2724	3.91	2800	4.27	2874	4.63	2948	5.01
4125	3200	2687	3.67	2767	4.05	2842	4.42	2918	4.81	2991	5.20	3060	5.59
4382	3400	2814	4.19	2892	4.60	2965	4.99	3037	5.40	3107	5.81	3175	6.22
4640	3600	2942	4.77	3018	5.20	3090	5.63	3159	6.05	3225	6.47	3291	6.91
4898	3800	3072	5.40	3145	5.86	3215	6.31	3282	6.75	3347	7.20	3410	7.65
5156	4000	3202	6.09	3274	6.58	3342	7.05	3407	7.52	3470	7.99	3531	8.46
5414	4200	3332	6.84	3403	7.35	3470	7.86	3533	8.35	3595	8.85	3654	9.34
5672	4400	3464	7.65	3533	8.19	3598	8.72	3661	9.26	3721	9.78	3779	10.29
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2062	1600	2465	2.66										
2320	1800	2511	2.91	2710	3.56								
2578	2000	2571	3.23	2758	3.87	3114	5.34						
2836	2200	2643	3.54	2819	4.23	3156	5.73	3475	7.37				
3094	2400	2726	3.93	2892	4.64	3211	6.17	3515	7.85	3804	9.66		
3351	2600	2817	4.36	2973	5.09	3275	6.66	3566	8.39	3844	10.24	4110	12.20
3609	2800	2915	4.84	3063	5.60	3350	7.22	3626	8.98	3893	10.87	4150	12.87
3867	3000	3019	5.38	3162	6.18	3433	7.84	3696	9.63	3952	11.56	4198	13.60
4125	3200	3127	5.98	3264	6.80	3523	8.51	3773	10.35	4018	12.32	4255	14.39
4382	3400	3239	6.63	3370	7.49	3626	9.27	3857	11.13	4091	13.13	4320	15.26
4640	3600	3354	7.34	3480	8.23	3719	10.06	3948	11.99	4170	14.02	4392	16.20
4898	3800	3472	8.11	3594	9.04	3824	10.94	4046	12.94	4259	15.01	4470	17.21
5156	4000	3591	8.94	3707	9.90	3932	11.88	4144	13.92	4351	16.06	4554	18.31
5414	4200	3713	9.84	3826	10.84	4044	12.91	4249	15.01	4449	17.21	4644	19.50
5672	4400	3835	10.81	3945	11.85	4157	13.99	4358	16.19	4551	18.44	4740	20.79

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 165

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 1.577 S. F. OUTLET AREA = 1.560 S. F. WHEEL DIAMETER = 16.5"

TIP SPEED FPM = 4.32 x RPM MAX. BHP = .330 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
936	600	395	0.02	582	0.06	731	0.12	865	0.18				
1248	800	526	0.04	678	0.10	801	0.16	912	0.23	1021	0.31		
1560	1000	658	0.08	789	0.15	894	0.22	989	0.30	1081	0.39	1255	0.59
1872	1200	789	0.14	904	0.22	999	0.31	1080	0.40	1162	0.49	1316	0.70
2184	1400	921	0.22	1023	0.32	1108	0.42	1186	0.52	1258	0.63	1393	0.85
2496	1600	1053	0.33	1144	0.44	1222	0.56	1294	0.67	1359	0.79	1484	1.03
2808	1800	1184	0.47	1267	0.60	1339	0.72	1404	0.85	1466	0.98	1580	1.24
3120	2000	1316	0.64	1391	0.79	1459	0.93	1520	1.07	1577	1.21	1684	1.49
3432	2200	1447	0.86	1515	1.01	1580	1.17	1637	1.32	1691	1.48	1792	1.79
3744	2400	1578	1.11	1641	1.28	1702	1.46	1756	1.62	1808	1.79	1905	2.13
4056	2600	1710	1.41	1767	1.59	1825	1.78	1877	1.97	1926	2.15	2019	2.52
4368	2800	1842	1.77	1894	1.95	1949	2.16	1999	2.37	2045	2.56	2132	2.95
4680	3000	1973	2.17	2021	2.36	2073	2.59	2121	2.81	2166	3.03	2249	3.44
4992	3200	2105	2.64	2148	2.84	2199	3.09	2245	3.32	2288	3.55	2368	4.00
5304	3400	2236	3.16	2276	3.37	2324	3.63	2368	3.88	2410	4.13	2487	4.61
5616	3600	2368	3.76	2404	3.97	2450	4.24	2493	4.52	2533	4.78	2608	5.29
5928	3800	2500	4.42	2533	4.63	2577	4.93	2618	5.21	2657	5.50	2729	6.04
6240	4000	2631	5.15	2661	5.37	2704	5.68	2743	5.98	2781	6.28	2851	6.86
6552	4200	2763	5.97	2790	6.18	2831	6.51	2869	6.83	2905	7.14	2974	7.76
6864	4400	2894	6.86	2919	7.07	2958	7.42	2994	7.75	3030	8.08	3097	8.73
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1560	1000	1416	0.81			1730	1.46						
1872	1200	1461	0.94	1599	1.19	1770	1.64			2010	2.30		
2184	1400	1524	1.09	1650	1.36			1888	1.95				
2496	1600	1602	1.29	1716	1.57	1828	1.87	1936	2.18	2041	2.51	2143	2.86
2808	1800	1690	1.52	1795	1.81	1898	2.13	1998	2.46	2092	2.79	2191	3.16
3120	2000	1785	1.79	1885	2.11	1978	2.43	2071	2.77	2162	3.13	2252	3.50
3432	2200	1887	2.11	1980	2.44	2069	2.79	2154	3.14	2239	3.51	2323	3.90
3744	2400	1995	2.48	2088	2.86	2166	3.20	2246	3.57	2326	3.96	2404	4.36
4056	2600	2105	2.89	2185	3.26	2268	3.67	2343	4.05	2419	4.46	2495	4.89
4368	2800	2214	3.35	2293	3.75	2369	4.16	2444	4.59	2517	5.02	2584	5.44
4680	3000	2327	3.86	2402	4.29	2475	4.72	2549	5.19	2618	5.64	2683	6.08
4992	3200	2443	4.44	2514	4.89	2586	5.36	2654	5.83	2722	6.32	2785	6.79
5304	3400	2560	5.09	2628	5.56	2695	6.04	2759	6.52	2827	7.05	2889	7.55
5616	3600	2678	5.80	2744	6.29	2811	6.82	2870	7.31	2930	7.82	2993	8.37
5928	3800	2797	6.57	2861	7.10	2923	7.63	2982	8.16	3041	8.70	3098	9.24
6240	4000	2917	7.42	2979	7.98	3039	8.54	3097	9.10	3153	9.66	3208	10.22
6552	4200	3037	8.35	3098	8.94	3156	9.52	3212	10.11	3267	10.70	3324	11.33
6864	4400	3159	9.36	3217	9.97	3274	10.59	3329	11.21	3382	11.82	3434	12.44
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2496	1600	2242	3.22										
2808	1800	2285	3.53	2465	4.32								
3120	2000	2339	3.89	2512	4.71	2832	6.46						
3432	2200	2405	4.30	2563	5.12	2870	6.94	3160	8.93				
3744	2400	2479	4.76	2631	5.62	2921	7.48	3197	9.52	3460	11.71		
4056	2600	2565	5.30	2705	6.17	2977	8.06	3244	10.17	3497	12.41	3738	14.78
4368	2800	2654	5.89	2788	6.80	3046	8.74	3299	10.89	3542	13.18	3775	15.38
4680	3000	2746	6.53	2876	7.49	3122	9.49	3363	11.68	3595	14.02	3816	16.45
4992	3200	2849	7.28	2969	8.25	3203	10.31	3432	12.54	3655	14.93	3871	17.45
5304	3400	2951	8.07	3064	9.06	3291	11.21	3511	13.52	3722	15.93	3928	18.48
5616	3600	3051	8.89	3165	9.97	3382	12.19	3590	14.52	3795	17.01	3992	19.59
5928	3800	3158	9.83	3268	10.95	3476	13.23	3682	15.70	3874	18.19	4066	20.86
6240	4000	3262	10.79	3370	11.97	3576	14.40	3769	16.87	3956	19.44	4144	22.21
6552	4200	3376	11.92	3475	13.08	3677	15.63	3869	18.25	4050	20.91	4226	23.66
6864	4400	3486	13.07	3586	14.33	3779	16.93	3962	19.59	4138	22.32	4309	25.15

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 180

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 1.968 S. F. OUTLET AREA = 1.909 S. F. WHEEL DIAMETER = 18.375"

TIP SPEED FPM = 4.808 x RPM MAX. BHP = .565 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1145	600	318	0.01	499	0.07	656	0.14	792	0.22	910	0.31	1112	0.52
1527	800	424	0.03	566	0.10	693	0.18	813	0.27	923	0.38	1117	0.61
1909	1000	530	0.07	647	0.15	753	0.24	854	0.33	952	0.45	1132	0.70
2291	1200	635	0.12	736	0.21	827	0.31	914	0.42	999	0.54	1161	0.81
2673	1400	741	0.18	830	0.30	909	0.41	985	0.53	1060	0.66	1205	0.94
3054	1600	847	0.27	926	0.41	997	0.54	1065	0.67	1131	0.80	1261	1.10
3436	1800	953	0.39	1024	0.54	1089	0.69	1150	0.83	1210	0.98	1327	1.29
3818	2000	1059	0.54	1124	0.71	1183	0.87	1240	1.03	1294	1.19	1401	1.52
4200	2200	1165	0.72	1224	0.90	1279	1.08	1332	1.25	1382	1.43	1481	1.79
4582	2400	1271	0.93	1326	1.13	1377	1.33	1426	1.52	1473	1.71	1564	2.10
4963	2600	1377	1.18	1427	1.40	1475	1.62	1521	1.82	1565	2.03	1651	2.45
5345	2800	1483	1.48	1530	1.71	1575	1.95	1618	2.17	1660	2.40	1740	2.84
5727	3000	1589	1.81	1633	2.07	1675	2.32	1716	2.56	1755	2.80	1831	3.28
6109	3200	1695	2.20	1736	2.47	1776	2.74	1815	3.01	1852	3.26	1924	3.77
6491	3400	1800	2.64	1840	2.93	1878	3.22	1914	3.50	1950	3.77	2019	4.32
6872	3600	1906	3.13	1943	3.44	1980	3.75	2014	4.04	2048	4.34	2114	4.91
7254	3800	2012	3.68	2047	4.01	2082	4.33	2115	4.65	2148	4.96	2210	5.57
7636	4000	2118	4.30	2152	4.64	2184	4.98	2216	5.32	2247	5.65	2308	6.29
8018	4200	2224	4.98	2256	5.33	2287	5.69	2318	6.05	2348	6.40	2406	7.08
8400	4400	2330	5.72	2360	6.09	2391	6.47	2420	6.85	2449	7.21	2504	7.93
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1909	1000	1294	0.98	1441	1.28	1575	1.60	1700	1.93	1816	2.28	1925	2.63
2291	1200	1313	1.11	1453	1.43	1584	1.78	1706	2.14	1820	2.52	1929	2.91
2673	1400	1343	1.25	1475	1.60	1600	1.97	1718	2.35	1830	2.76	1936	3.18
3054	1600	1387	1.43	1509	1.78	1626	2.17	1738	2.58	1846	3.00	1949	3.45
3436	1800	1442	1.63	1553	2.01	1662	2.40	1768	2.83	1870	3.27	1969	3.74
3818	2000	1506	1.88	1608	2.27	1709	2.68	1807	3.11	1904	3.57	1998	4.05
4200	2200	1577	2.17	1671	2.57	1764	3.00	1856	3.45	1946	3.92	2035	4.41
4582	2400	1653	2.50	1741	2.92	1827	3.36	1913	3.82	1997	4.31	2080	4.81
4963	2600	1734	2.87	1816	3.31	1896	3.77	1976	4.25	2055	4.75	2133	5.27
5345	2800	1818	3.29	1895	3.76	1971	4.24	2045	4.73	2120	5.25	2193	5.78
5727	3000	1905	3.76	1978	4.25	2049	4.75	2119	5.27	2189	5.80	2258	6.35
6109	3200	1994	4.28	2063	4.80	2130	5.32	2197	5.86	2263	6.41	2328	6.98
6491	3400	2085	4.86	2150	5.40	2215	5.95	2278	6.51	2340	7.09	2402	7.68
6872	3600	2178	5.49	2240	6.06	2301	6.64	2361	7.23	2421	7.82	2480	8.43
7254	3800	2271	6.18	2331	6.78	2389	7.39	2447	8.00	2504	8.62	2560	9.26
7636	4000	2366	6.93	2423	7.57	2479	8.20	2534	8.85	2589	9.49	2643	10.15
8018	4200	2462	7.75	2517	8.42	2570	9.09	2623	9.76	2676	10.43	2728	11.11
8400	4400	2558	8.64	2611	9.34	2663	10.04	2714	10.74	2764	11.44	2814	12.15
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3054	1600	2048	3.91	2235	4.86	2572	6.89	2871	9.06	3143	11.34	3394	13.71
3436	1800	2065	4.22	2247	5.22	2578	7.37	2875	9.67	3146	12.08	3396	14.60
3818	2000	2089	4.55	2265	5.60	2589	7.85	2882	10.27	3151	12.81	3399	15.47
4200	2200	2122	4.92	2290	6.00	2604	8.34	2892	10.86	3157	13.53	3404	16.31
4582	2400	2162	5.34	2322	6.45	2625	8.86	2906	11.47	3167	14.24	3411	17.15
4963	2600	2211	5.81	2362	6.94	2653	9.41	2926	12.10	3181	14.97	3422	17.98
5345	2800	2266	6.33	2411	7.51	2687	10.02	2950	12.78	3200	15.72	3436	18.83
5727	3000	2327	6.92	2463	8.11	2727	10.68	2981	13.50	3223	16.52	3454	19.71
6109	3200	2393	7.57	2522	8.78	2774	11.41	3017	14.28	3251	17.36	3476	20.62
6491	3400	2464	8.28	2586	9.53	2826	12.21	3059	15.13	3285	18.27	3503	21.59
6872	3600	2538	9.05	2655	10.34	2883	13.08	3107	16.05	3324	19.24	3535	22.62
7254	3800	2616	9.90	2727	11.22	2945	14.03	3159	17.05	3369	20.29	3573	23.73
7636	4000	2696	10.82	2802	12.18	3011	15.05	3216	18.14	3418	21.43	3615	24.92
8018	4200	2779	11.80	2881	13.21	3081	16.16	3277	19.31	3471	22.65	3661	26.19
8400	4400	2863	12.87	2961	14.32	3153	17.35	3342	20.57	3529	23.97	3712	27.56

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 200

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 2.38 S. F. OUTLET AREA = 2.23 S. F. WHEEL DIAMETER = 20.0"
 TIP SPEED FPM = 5.233 x RPM MAX. BHP = .849 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1338	600	289	0.02	451	0.07	580	0.15	690	0.23	789	0.33		
1784	800	385	0.04	511	0.11	625	0.20	723	0.29	812	0.39	971	0.63
2230	1000	481	0.08	581	0.17	682	0.26	771	0.37	852	0.48	997	0.74
2676	1200	577	0.14	659	0.24	746	0.35	827	0.47	902	0.59	1038	0.87
3122	1400	673	0.22	742	0.34	817	0.46	890	0.59	960	0.73	1087	1.03
3568	1600	770	0.33	828	0.46	839	0.60	959	0.75	1023	0.90	1142	1.22
4014	1800	866	0.47	919	0.62	974	0.77	1032	0.93	1090	1.10	1202	1.45
4460	2000	962	0.64	1008	0.81	1057	0.98	1110	1.16	1162	1.34	1266	1.71
4906	2200	1058	0.86	1099	1.04	1144	1.22	1190	1.42	1238	1.61	1334	2.01
5352	2400	1155	1.11	1192	1.31	1232	1.51	1274	1.72	1317	1.93	1405	2.36
5798	2600	1251	1.42	1285	1.63	1322	1.84	1360	2.07	1399	2.29	1480	2.76
6244	2800	1347	1.77	1379	1.99	1412	2.23	1447	2.47	1483	2.71	1558	3.20
6690	3000	1443	2.17	1473	2.42	1504	2.67	1536	2.92	1569	3.18	1638	3.70
7136	3200	1539	2.64	1567	2.89	1596	3.16	1626	3.43	1656	3.70	1720	4.26
7582	3400	1636	3.17	1661	3.44	1688	3.72	1716	4.00	1745	4.29	1804	4.88
8028	3600	1732	3.76	1756	4.04	1781	4.34	1808	4.64	1834	4.95	1890	5.56
8474	3800	1828	4.42	1851	4.72	1875	5.03	1899	5.35	1925	5.67	1976	6.32
8920	4000	1924	5.15	1946	5.47	1969	5.80	1992	6.13	2015	6.47	2064	7.15
9366	4200	2020	5.96	2041	6.30	2063	6.64	2084	6.99	2107	7.34	2153	8.05
9812	4400	2117	6.86	2136	7.20	2157	7.57	2178	7.93	2199	8.30	2242	9.04
CFM	CV	2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2230	1000	1129	1.02	1250	1.33	1364	1.65						
2676	1200	1160	1.17	1273	1.50	1379	1.85	1481	2.22	1577	2.60		
3122	1400	1201	1.35	1308	1.70	1408	2.07	1503	2.46	1595	2.87	1682	3.29
3568	1600	1250	1.57	1351	1.93	1446	2.32	1537	2.73	1623	3.16	1706	3.61
4014	1800	1305	1.81	1401	2.20	1491	2.61	1578	3.04	1660	3.49	1740	3.96
4460	2000	1363	2.10	1455	2.52	1542	2.95	1624	3.40	1704	3.86	1780	4.35
4906	2200	1426	2.43	1513	2.87	1597	3.32	1676	3.80	1752	4.28	1825	4.79
5352	2400	1492	2.81	1575	3.27	1655	3.75	1731	4.25	1805	4.76	1875	5.28
5798	2600	1561	3.23	1640	3.72	1716	4.23	1790	4.75	1861	5.28	1929	5.83
6244	2800	1633	3.71	1708	4.23	1781	4.76	1851	5.30	1919	5.86	1986	6.43
6690	3000	1708	4.24	1779	4.79	1848	5.35	1915	5.92	1981	6.50	2045	7.10
7136	3200	1786	4.83	1852	5.40	1917	5.99	1982	6.59	2045	7.20	2107	7.83
7582	3400	1865	5.48	1928	6.08	1990	6.70	2051	7.33	2112	7.97	2171	8.62
8028	3600	1947	6.19	2005	6.83	2064	7.48	2123	8.14	2181	8.80	2238	9.48
8474	3800	2030	6.98	2085	7.65	2141	8.33	2196	9.01	2252	9.71	2306	10.42
8920	4000	2115	7.84	2167	8.54	2219	9.25	2272	9.96	2325	10.69	2377	11.43
9366	4200	2201	8.77	2250	9.50	2299	10.24	2349	10.99	2400	11.75	2450	12.51
9812	4400	2288	9.79	2334	10.55	2381	11.32	2429	12.10	2476	12.89	2525	13.68
CFM	OV	5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3568	1600	1787	4.07	1941	5.03								
4014	1800	1817	4.44	1964	5.45	2237	7.63						
4460	2000	1854	4.85	1995	5.90	2257	8.16	2500	10.62	2728	13.24		
4906	2200	1896	5.31	2032	6.40	2285	8.74	2520	11.28	2740	13.99	2948	16.85
5352	2400	1944	5.82	2075	6.95	2319	9.38	2546	12.00	2759	14.79	2961	17.74
5798	2600	1995	6.39	2122	7.56	2359	10.07	2578	12.77	2785	15.64	2981	18.68
6244	2800	2050	7.02	2173	8.23	2403	10.82	2616	13.60	2816	16.55	3007	19.67
6690	3000	2107	7.71	2227	8.97	2450	11.63	2657	14.49	2852	17.53	3038	20.73
7136	3200	2167	8.46	2283	9.77	2501	12.52	2702	15.46	2892	18.58	3073	21.85
7582	3400	2229	9.28	2342	10.64	2554	13.48	2751	16.51	2936	19.70	3112	23.06
8028	3600	2294	10.17	2403	11.58	2609	14.52	2802	17.63	2983	20.91	3155	24.34
8474	3800	2360	11.13	2466	12.59	2667	15.63	2855	18.83	3032	22.20	3201	25.71
8920	4000	2429	12.17	2531	13.68	2727	16.83	2910	20.12	3084	23.57	3249	27.17
9366	4200	2500	13.29	2598	14.86	2788	18.11	2968	21.50	3137	25.04	3299	28.72
9812	4400	2572	14.49	2667	16.12	2852	19.47	3027	22.96	3193	26.60	3352	30.37

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 220

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 2.913 S. F. OUTLET AREA = 2.729 S. F. WHEEL DIAMETER = 22.125"

TIP SPEED FPM = 5.789 x RPM MAX. BHP = 1.478 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1637	600	261	0.02	408	0.09	524	0.18	623	0.28	713	0.40		
2183	800	348	0.05	462	0.14	565	0.24	654	0.36	734	0.48	877	0.77
2729	1000	435	0.10	525	0.20	616	0.32	697	0.45	770	0.59	902	0.90
3275	1200	522	0.17	595	0.30	674	0.43	748	0.57	816	0.73	938	1.06
3821	1400	609	0.27	670	0.41	738	0.57	805	0.73	868	0.67	982	1.26
4366	1600	696	0.40	749	0.57	807	0.74	867	0.92	924	1.10	1032	1.49
4912	1800	783	0.58	829	0.76	888	0.95	933	1.14	986	1.35	1086	1.77
5458	2000	870	0.79	911	0.99	956	1.20	1003	1.41	1051	1.64	1144	2.09
6004	2200	957	1.05	994	1.27	1034	1.50	1076	1.73	1119	1.97	1206	2.47
6550	2400	1044	1.36	1077	1.60	1114	1.85	1152	2.10	1191	2.36	1270	2.89
7095	2600	1131	1.73	1162	1.99	1195	2.26	1229	2.53	1265	2.81	1338	3.37
7641	2800	1218	2.17	1246	2.44	1276	2.73	1308	3.02	1341	3.31	1408	3.92
8187	3000	1305	2.66	1331	2.96	1359	3.26	1388	3.57	1418	3.89	1481	4.53
8733	3200	1392	3.23	1416	3.54	1442	3.87	1469	4.20	1497	4.53	1555	5.21
9279	3400	1479	3.88	1502	4.21	1526	4.55	1551	4.90	1557	5.25	1631	5.97
9824	3600	1565	4.59	1587	4.95	1610	5.31	1634	5.68	1658	6.05	1708	6.81
10370	3800	1652	5.40	1673	5.77	1695	6.16	1717	6.55	1740	6.94	1787	7.73
10916	4000	1739	6.30	1759	6.69	1779	7.10	1800	7.50	1822	7.91	1866	8.75
11462	4200	1826	7.30	1845	7.73	1864	8.13	1884	8.55	1904	8.98	1946	9.85
12008	4400	1913	8.39	1931	8.82	1950	9.26	1968	9.70	1988	10.15	2027	11.06
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2729	1000	1020	1.25	1130	1.62								
3275	1200	1048	1.43	1151	1.84	1247	2.26	1338	2.71				
3821	1400	1086	1.65	1182	2.08	1273	2.53	1359	3.01	1441	3.51	1521	4.03
4366	1600	1130	1.92	1221	2.37	1307	2.84	1389	3.34	1467	3.87	1542	4.41
4912	1800	1179	2.22	1266	2.70	1348	3.20	1426	3.72	1501	4.27	1572	4.84
5458	2000	1232	2.57	1315	3.08	1394	3.61	1468	4.16	1540	4.73	1609	5.32
6004	2200	1289	2.98	1368	3.51	1443	4.07	1515	4.65	1580	5.24	1650	5.86
6550	2400	1349	3.44	1424	4.00	1496	4.59	1565	5.20	1631	5.82	1695	6.47
7095	2600	1411	3.96	1482	4.56	1551	5.17	1618	5.81	1682	6.46	1744	7.13
7641	2800	1476	4.54	1544	5.17	1610	5.82	1673	6.49	1735	7.17	1795	7.87
8187	3000	1544	5.19	1608	5.86	1670	6.54	1731	7.24	1791	7.96	1849	8.69
8733	3200	1614	5.91	1674	6.61	1733	7.33	1792	8.07	1849	8.82	1905	9.58
9279	3400	1686	6.70	1742	7.45	1799	8.20	1854	8.97	1909	9.75	1963	10.55
9824	3600	1760	7.58	1813	8.36	1866	9.15	1919	9.96	1971	10.77	2023	11.60
10370	3800	1835	8.54	1885	9.36	1935	10.19	1985	11.03	2035	11.88	2085	12.75
10916	4000	1912	9.59	1958	10.45	2006	11.31	2054	12.19	2101	13.08	2149	13.98
11462	4200	1989	10.74	2033	11.63	2078	12.54	2124	13.45	2169	14.38	2215	15.31
12008	4400	2068	11.98	2110	12.92	2152	13.86	2195	14.81	2239	15.77	2282	16.75
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4366	1600	1615	4.98	1755	6.16								
4912	1800	1642	5.43	1775	6.66	2022	9.33						
5458	2000	1675	5.94	1803	7.22	2041	9.99	2260	12.99				
6004	2200	1714	6.50	1837	7.83	2066	10.7	2278	13.81	2476	17.12		
6550	2400	1757	7.13	1876	8.51	2097	11.47	2301	14.68	2494	18.1	2677	21.71
7095	2600	1804	7.82	1918	9.26	2132	12.32	2331	15.62	2517	19.14	2695	22.85
7641	2800	1853	8.59	1964	10.08	2172	13.24	2364	16.64	2546	20.25	2718	24.07
8187	3000	1905	9.43	2013	10.97	2215	14.24	2402	17.74	2578	21.45	2746	25.36
8733	3200	1959	10.35	2064	11.95	2260	15.53	2443	18.92	2615	22.73	2778	26.74
9279	3400	2015	11.36	2117	13.02	2309	16.50	2486	20.20	2654	24.11	2813	28.22
9824	3600	2073	12.44	2172	14.17	2359	17.77	2532	21.57	2696	25.58	2852	29.79
10370	3800	2134	13.62	2229	15.41	2411	19.13	2581	23.05	2741	27.16	2893	31.46
10916	4000	2196	14.89	2288	16.75	2465	20.59	2631	24.63	2788	28.85	2937	33.25
11462	4200	2260	16.26	2349	18.18	2520	22.16	2683	26.31	2836	30.64	2983	35.15
12008	4400	2325	17.73	2411	19.72	2578	23.83	2736	28.11	2877	32.55	3030	39.17

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 240

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 3.48 S. F. OUTLET AREA = 3.43 S. F. WHEEL DIAMETER = 24"

TIP SPEED FPM = 6.28 x RPM MAX. BHP = 2.26 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2058	600	240	0.03	371	0.11	478	0.22	573	0.34				
2744	800	320	0.06	422	0.17	514	0.29	595	0.44	670	0.59		
3430	1000	401	0.13	481	0.25	562	0.39	634	0.55	700	0.73	823	1.10
4116	1200	481	0.22	547	0.36	616	0.53	682	0.70	742	0.89	853	1.31
4802	1400	561	0.34	616	0.51	676	0.70	735	0.89	791	1.10	893	1.55
5488	1600	641	0.51	689	0.71	740	0.91	793	1.12	844	1.35	940	1.83
6174	1800	721	0.73	763	0.95	808	1.17	855	1.41	901	1.65	990	2.17
6860	2000	801	1.00	839	1.24	879	1.49	920	1.74	962	2.01	1045	2.56
7546	2200	881	1.33	916	1.59	951	1.86	988	2.14	1026	2.43	1103	3.02
8232	2400	961	1.72	993	2.01	1025	2.31	1058	2.61	1093	2.91	1163	3.55
8918	2600	1042	2.20	1071	2.51	1100	2.82	1130	3.14	1162	3.47	1226	4.15
9604	2800	1122	2.74	1149	3.08	1176	3.42	1204	3.76	1232	4.11	1292	4.83
10290	3000	1202	3.37	1228	3.73	1252	4.09	1278	4.46	1304	4.83	1359	5.59
10976	3200	1282	4.09	1306	4.47	1329	4.86	1353	5.25	1378	5.65	1428	6.45
11662	3400	1362	4.90	1385	5.31	1407	5.72	1429	6.14	1452	6.55	1499	7.40
12348	3600	1442	5.82	1465	6.26	1485	6.69	1505	7.12	1527	7.57	1571	8.46
13034	3800	1522	6.84	1544	7.30	1563	7.76	1582	8.22	1602	8.68	1643	9.62
13720	4000	1602	7.98	1623	8.47	1641	8.95	1659	9.43	1678	9.92	1717	10.90
14406	4200	1683	9.25	1703	9.75	1719	10.25	1737	10.76	1755	11.27	1791	12.30
15092	4400	1763	10.64	1782	11.16	1798	11.69	1815	12.22	1831	12.75	1866	13.83
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3430	1000	936	1.50										
4116	1200	956	1.75	1053	2.22	1145	2.71						
4802	1400	988	2.04	1077	2.55	1162	3.09	1244	3.64	1323	4.20		
5488	1600	1028	2.36	1111	2.91	1190	3.49	1266	4.09	1340	4.71	1411	5.34
6174	1800	1073	2.73	1151	3.32	1226	3.94	1297	4.58	1366	5.24	1433	5.92
6860	2000	1123	3.16	1197	3.78	1268	4.43	1335	5.12	1400	5.82	1464	6.54
7546	2200	1176	3.65	1247	4.31	1314	5.00	1378	5.71	1440	6.45	1500	7.21
8232	2400	1232	4.21	1299	4.91	1363	5.63	1425	6.38	1484	7.16	1542	7.95
8918	2600	1291	4.85	1354	5.58	1415	6.34	1474	7.12	1531	7.93	1587	8.77
9604	2800	1352	5.57	1412	6.34	1470	7.13	1526	7.95	1581	8.80	1634	9.66
10290	3000	1416	6.38	1472	7.18	1527	8.01	1581	8.87	1634	9.75	1685	10.65
10976	3200	1481	7.27	1534	8.12	1586	8.99	1638	9.88	1688	10.80	1737	11.73
11662	3400	1548	8.27	1597	9.16	1647	10.07	1696	11.00	1745	11.95	1792	12.92
12348	3600	1616	9.37	1663	10.30	1710	11.25	1757	12.22	1803	13.20	1849	14.21
13034	3800	1686	10.58	1730	11.55	1774	12.54	1819	13.55	1863	14.57	1907	15.62
13720	4000	1757	11.90	1799	12.92	1840	13.95	1883	15.00	1925	16.06	1967	17.15
14406	4200	1829	13.34	1868	14.40	1908	15.48	1948	16.57	1988	17.67	2028	18.80
15092	4400	1902	14.91	1939	16.02	1977	17.13	2015	18.27	2053	19.41	2091	20.58
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5488	1600	1481	5.98										
6174	1800	1499	6.61	1626	8.04								
6860	2000	1526	7.28	1645	8.81	1872	11.98						
7546	2200	1559	8.00	1673	9.61	1888	12.99	2091	16.52				
8232	2400	1598	8.77	1706	10.47	1911	14.03	2105	17.78	2290	21.65		
8918	2600	1640	9.62	1744	11.39	1941	15.13	2126	19.06	2304	23.15	2474	27.35
9604	2800	1686	10.55	1786	12.39	1975	16.28	2153	20.40	2324	24.68	2487	29.10
10290	3000	1735	11.57	1831	13.49	2014	17.52	2185	21.80	2349	26.27	2507	30.88
10976	3200	1786	12.69	1879	14.67	2056	18.85	2221	23.28	2379	27.92	2532	32.72
11662	3400	1839	13.91	1929	15.96	2100	20.28	2261	24.86	2414	29.65	2561	34.63
12348	3600	1894	15.24	1981	17.36	2147	21.82	2303	26.54	2452	31.49	2594	36.62
13034	3800	1950	16.69	2035	18.87	2196	23.47	2348	28.33	2492	33.42	2631	38.72
13720	4000	2008	18.25	2090	20.51	2247	25.25	2394	30.25	2535	35.48	2670	40.92
14406	4200	2068	19.94	2147	22.27	2299	27.15	2443	32.29	2580	37.66	2712	43.25
15092	4400	2130	21.76	2205	24.17	2353	29.19	2493	34.46	2627	39.97	2756	45.70

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 270

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 4.404 S. F. OUTLET AREA = 4.341 S. F. WHEEL DIAMETER = 27"

TIP SPEED FPM = 7.065 x RPM MAX. BHP = 4.143 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2605	600	214	0.03	329	0.14	427	0.28	511	0.43				
3473	800	285	0.08	374	0.21	457	0.37	530	0.55	598	0.74		
4341	1000	356	0.16	428	0.32	498	0.50	563	0.70	624	0.92	734	1.39
5209	1200	427	0.27	487	0.46	547	0.67	604	0.89	659	1.13	760	1.65
6077	1400	498	0.43	549	0.65	601	0.88	652	1.13	701	1.39	794	1.96
6946	1600	570	0.65	614	0.89	659	1.15	704	1.42	748	1.71	833	2.33
7814	1800	641	0.92	680	1.20	720	1.48	760	1.78	800	2.09	878	2.75
8682	2000	712	1.26	747	1.57	783	1.88	819	2.20	855	2.54	927	3.25
9550	2200	783	1.68	815	2.02	847	2.36	880	2.71	913	3.07	979	3.83
10418	2400	853	2.19	884	2.55	913	2.92	943	3.29	973	3.68	1034	4.49
11287	2600	926	2.78	953	3.17	980	3.57	1007	3.97	1035	4.39	1091	5.25
12155	2800	997	3.47	1022	3.89	1047	4.32	1072	4.75	1098	5.19	1150	6.10
13023	3000	1068	4.26	1092	4.72	1115	5.17	1138	5.64	1162	6.11	1210	7.07
13891	3200	1139	5.17	1162	5.66	1183	6.15	1205	6.64	1227	7.13	1272	8.15
14759	3400	1211	6.25	1232	6.73	1252	7.24	1272	7.76	1293	8.28	1335	9.35
15628	3600	1282	7.37	1302	7.92	1321	8.46	1340	9.01	1360	9.56	1400	10.69
16496	3800	1353	8.66	1372	9.25	1390	9.82	1408	10.40	1427	10.98	1464	12.16
17364	4000	1424	10.10	1443	10.72	1460	11.32	1477	11.93	1494	12.54	1530	13.78
18232	4200	1496	11.71	1513	12.35	1529	12.98	1546	13.61	1562	14.25	1596	15.54
19100	4400	1567	13.46	1584	14.14	1599	14.79	1615	15.45	1630	16.12	1662	17.47
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4341	1000	835	1.89										
5209	1200	853	2.21	940	2.80	1021	3.41						
6077	1400	880	2.57	961	3.21	1037	3.89	1110	4.58	1180	5.29		
6946	1600	913	2.98	989	3.68	1061	4.40	1130	5.15	1196	5.93	1260	6.72
7814	1800	952	3.46	1023	4.20	1091	4.98	1156	5.78	1219	6.61	1280	7.46
8682	2000	996	4.00	1062	4.79	1126	5.62	1188	6.47	1247	7.35	1305	8.25
9550	2200	1043	4.63	1105	5.46	1165	6.33	1224	7.24	1280	8.17	1335	9.12
10418	2400	1093	5.34	1152	6.22	1208	7.14	1264	8.09	1318	9.06	1370	10.07
11287	2600	1146	6.14	1201	7.07	1255	8.04	1307	9.03	1358	10.06	1408	11.11
12155	2800	1202	7.05	1253	8.03	1303	9.04	1353	10.08	1402	11.15	1450	12.25
13023	3000	1259	8.07	1307	9.09	1355	10.15	1402	11.24	1448	12.36	1494	13.51
13891	3200	1318	9.20	1363	10.28	1408	11.39	1453	12.52	1497	13.69	1540	14.88
14759	3400	1378	10.45	1421	11.58	1463	12.74	1506	13.93	1548	15.14	1589	16.38
15628	3600	1440	11.84	1480	13.02	1520	14.23	1560	15.47	1600	16.73	1640	18.01
16496	3800	1502	13.37	1540	14.60	1579	15.86	1617	17.14	1655	18.45	1692	19.79
17364	4000	1566	15.04	1602	16.32	1638	17.63	1674	18.97	1711	20.33	1747	21.71
18232	4200	1630	16.86	1664	18.20	1699	19.56	1733	20.95	1768	22.36	1802	23.79
19100	4400	1695	18.84	1727	20.24	1760	21.65	1793	23.09	1826	24.55	1859	26.04
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6946	1600	1321	7.53										
7814	1800	1338	8.33	1451	10.12								
8682	2000	1361	9.18	1469	11.09	1670	15.10						
9550	2200	1389	10.10	1492	12.12	1685	16.36	1865	20.82				
10418	2400	1421	11.10	1520	13.22	1706	17.68	1879	22.38	2042	27.28		
11287	2600	1457	12.19	1552	14.41	1731	19.08	1898	24.01	2056	29.15	2206	34.46
12155	2800	1496	13.38	1587	15.69	1760	20.57	1921	25.72	2074	31.09	2220	36.64
13023	3000	1538	14.68	1626	17.09	1792	22.16	1948	27.52	2096	33.11	2238	38.89
13891	3200	1583	16.09	1667	18.60	1827	23.87	1978	29.42	2122	35.22	2260	41.23
14759	3400	1630	17.64	1710	20.24	1864	25.69	2011	31.45	2151	37.45	2284	43.68
15628	3600	1679	19.32	1756	22.02	1905	27.66	2046	33.60	2182	39.81	2312	46.24
16496	3800	1730	21.15	1804	23.93	1947	29.76	2084	35.89	2216	42.29	2343	48.93
17364	4000	1783	23.12	1853	26.00	1992	32.01	2124	38.33	2252	44.93	2375	51.76
18232	4200	1837	25.25	1905	28.22	2038	34.43	2166	40.93	2290	47.71	2410	54.74
19100	4400	1792	27.54	1958	30.61	2086	37.01	2210	43.70	2331	50.67	2448	57.88

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 300

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 5.438 S. F. OUTLET AREA = 5.359 S. F. WHEEL DIAMETER = 30"
 TIP SPEED FPM = 7.850 x RPM MAX. BHP = 7.018 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3215	600	192	0.04	296	0.17	384	0.34	459	0.53				
4287	800	256	0.10	337	0.26	411	0.46	477	0.68	538	0.91		
5359	1000	320	0.19	385	0.39	448	0.62	507	0.87	561	1.13	661	1.71
6431	1200	385	0.34	438	0.57	492	0.82	544	1.10	593	1.40	684	2.04
7503	1400	449	0.54	494	0.80	541	1.09	587	1.40	631	1.72	714	2.42
8574	1600	513	0.80	552	1.10	593	1.42	634	1.76	674	2.11	750	2.87
9646	1800	577	1.14	612	1.48	648	1.83	684	2.20	720	2.58	790	3.40
10718	2000	640	1.55	672	1.93	705	2.32	737	2.72	770	3.14	834	4.01
11790	2200	705	2.08	734	2.49	763	2.91	792	3.34	822	3.79	881	4.72
12862	2400	769	2.69	795	3.14	822	3.60	849	4.07	876	4.55	930	5.54
13933	2600	833	3.42	858	3.91	882	4.40	906	4.90	931	5.42	982	6.48
15005	2800	897	4.28	920	4.80	942	5.33	965	5.86	988	6.41	1035	7.53
16077	3000	961	5.26	983	5.83	1003	6.39	1025	6.96	1046	7.54	1089	8.73
17149	3200	1025	6.38	1046	6.99	1065	7.59	1085	8.19	1105	8.81	1145	10.06
18221	3400	1090	7.67	1109	8.30	1127	8.94	1145	9.58	1164	10.22	1202	11.55
19292	3600	1154	9.10	1172	9.78	1189	10.44	1206	11.12	1224	11.80	1259	13.19
20364	3800	1218	10.71	1235	11.42	1251	12.12	1268	12.83	1284	13.55	1318	15.01
21436	4000	1282	12.48	1298	13.24	1314	13.98	1329	14.72	1345	15.48	1377	17.00
22508	4200	1346	14.45	1362	15.25	1376	16.02	1391	16.80	1406	17.59	1436	19.19
23580	4400	1410	16.61	1425	17.45	1439	18.26	1453	19.08	1467	19.90	1496	21.57
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5359	1000	751	2.33			919	4.21						
6431	1200	768	2.73	846	3.45	919	4.21						
7503	1400	792	3.17	865	3.97	933	4.80	999	5.65	1062	6.54		
8574	1600	822	3.68	890	4.54	955	5.44	1017	6.36	1076	7.32	1134	8.30
9646	1800	857	4.27	921	5.18	982	6.14	1040	7.14	1097	8.16	1152	9.21
10718	2000	896	4.94	956	5.92	1013	6.93	1069	7.99	1123	9.07	1174	10.19
11790	2200	939	5.71	995	6.74	1049	7.82	1101	8.93	1152	10.08	1202	11.26
12862	2400	984	6.59	1036	7.68	1088	8.81	1137	9.98	1186	11.19	1233	12.43
13933	2600	1032	7.58	1081	8.73	1129	9.92	1176	11.15	1222	12.42	1267	13.71
15005	2800	1081	8.70	1128	9.91	1173	11.16	1218	12.45	1262	13.77	1305	15.12
16077	3000	1133	9.96	1176	11.23	1219	12.53	1262	13.88	1303	15.26	1344	16.67
17149	3200	1186	11.36	1227	12.69	1267	14.05	1307	15.46	1347	16.90	1386	18.37
18221	3400	1240	12.91	1279	14.30	1317	15.73	1355	17.19	1393	18.69	1430	20.22
19292	3600	1296	14.62	1332	16.07	1368	17.57	1404	19.09	1440	20.65	1476	22.23
20364	3800	1352	16.50	1386	18.02	1421	19.58	1455	21.16	1489	22.78	1523	24.43
21436	4000	1409	18.56	1442	20.15	1474	21.77	1507	23.42	1539	25.09	1572	26.80
22508	4200	1467	20.81	1498	22.47	1529	24.15	1560	25.86	1591	27.60	1622	29.37
23580	4400	1525	23.26	1555	24.98	1584	26.73	1614	28.51	1644	30.31	1673	32.14
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8574	1600	1189	9.30										
9646	1800	1204	10.28	1306	12.50								
10718	2000	1225	11.33	1322	13.69	1503	18.64						
11790	2200	1250	12.47	1343	14.96	1517	20.20	1678	25.71				
12862	2400	1279	13.70	1368	16.32	1535	21.83	1691	27.64	1838	33.68		
13933	2600	1311	15.04	1397	17.78	1558	23.56	1708	29.64	1851	35.98	1985	42.54
15005	2800	1347	16.51	1428	19.37	1584	25.39	1729	31.75	1867	38.38	1998	45.23
16077	3000	1385	18.21	1463	21.09	1612	27.36	1753	33.97	1887	40.87	2014	48.01
17149	3200	1425	19.87	1500	22.96	1644	29.46	1780	36.32	1910	43.49	2034	50.90
18221	3400	1467	21.78	1539	24.99	1678	31.72	1810	38.82	1935	46.24	2056	53.92
19292	3600	1511	23.85	1580	27.17	1714	34.14	1842	41.48	1964	49.14	2081	57.08
20364	3800	1557	26.10	1623	29.54	1752	36.74	1876	44.31	1994	52.21	2108	60.40
21436	4000	1604	28.54	1668	32.09	1792	39.52	1912	47.31	2027	55.46	2138	63.90
22508	4200	1653	31.17	1714	34.84	1834	42.50	1950	50.53	2061	58.90	2169	67.58
23580	4400	1703	34.00	1762	37.79	1877	45.68	1989	53.95	2098	62.55	2203	71.46

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 330

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 6.579 S. F. OUTLET AREA = 6.485 S. F. WHEEL DIAMETER = 33"
 TIP SPEED FPM = 8.635 x RPM MAX. BHP = 11.298 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3891	600	175	0.05	269	0.21	349	0.41	418	0.64				
5188	800	233	0.12	306	0.32	374	0.56	434	0.82	489	1.11		
6485	1000	291	0.24	350	0.47	407	0.75	461	1.05	510	1.37	601	2.07
7782	1200	350	0.41	398	0.69	447	1.00	494	1.33	539	1.69	622	2.47
9079	1400	410	0.66	449	0.97	492	1.32	533	1.69	573	2.08	649	2.93
10376	1600	466	0.97	502	1.33	539	1.72	576	2.13	612	2.56	682	3.47
11673	1800	524	1.37	556	1.79	589	2.21	622	2.66	655	3.12	718	4.11
12970	2000	583	1.89	611	2.34	641	2.81	670	3.29	700	3.80	758	4.85
14267	2200	641	2.51	667	3.01	693	3.52	720	4.04	747	4.59	801	5.72
15564	2400	699	3.26	723	3.81	747	4.36	772	4.92	796	5.50	846	6.71
16861	2600	758	4.16	780	4.74	802	5.33	824	5.94	847	6.56	892	7.84
18158	2800	816	5.18	836	5.82	857	6.45	877	7.10	898	7.76	941	9.12
19455	3000	874	6.37	893	7.05	912	7.73	932	8.42	951	9.12	990	10.56
20752	3200	932	7.72	951	8.46	968	9.18	986	9.91	1004	10.66	1041	12.18
22049	3400	991	9.29	1008	10.05	1024	10.81	1041	11.59	1058	12.37	1093	13.97
23346	3600	1049	11.01	1065	11.83	1081	12.64	1097	13.46	1113	14.28	1146	15.97
24643	3800	1107	12.94	1123	13.82	1137	14.67	1152	15.53	1168	16.40	1198	18.17
25940	4000	1165	15.09	1180	16.02	1194	16.92	1208	17.82	1223	18.73	1252	20.58
27237	4200	1224	17.50	1238	18.45	1251	19.39	1265	20.34	1278	21.29	1306	23.22
28534	4400	1282	20.10	1296	21.12	1308	22.10	1321	23.09	1334	24.09	1360	26.10
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6485	1000	683	2.82										
7782	1200	698	3.30	769	4.18	835	5.09						
9079	1400	720	3.84	786	4.80	849	5.80	908	6.84	965	7.91		
10376	1600	747	4.46	809	5.49	868	6.58	924	7.70	979	8.86	1031	10.04
11673	1800	779	5.16	837	6.27	893	7.43	946	8.63	997	9.87	1047	11.14
12970	2000	815	5.98	869	7.16	921	8.39	972	9.66	1020	10.98	1068	12.33
14267	2200	853	6.91	904	8.16	954	9.46	1001	10.81	1048	12.20	1093	13.62
15564	2400	894	7.97	942	9.29	989	10.66	1034	12.08	1078	13.54	1121	15.04
16861	2600	938	9.18	983	10.57	1026	12.01	1069	13.49	1111	15.02	1152	16.60
18158	2800	983	10.53	1025	11.99	1066	13.51	1107	15.06	1147	16.66	1186	18.30
19455	3000	1030	12.05	1069	13.59	1108	15.17	1147	16.80	1185	18.47	1222	20.18
20752	3200	1078	13.74	1115	15.35	1152	17.01	1189	18.71	1225	20.45	1260	22.23
22049	3400	1128	15.62	1162	17.31	1197	19.03	1232	20.81	1266	22.62	1300	24.47
23346	3600	1178	17.69	1211	19.45	1244	21.26	1277	23.10	1309	24.99	1342	26.91
24643	3800	1229	19.97	1260	21.81	1292	23.69	1323	25.61	1354	27.57	1385	29.56
25940	4000	1281	22.46	1311	24.39	1340	26.34	1370	28.34	1400	30.37	1429	32.44
27237	4200	1334	25.19	1362	27.19	1390	29.23	1418	31.30	1446	33.40	1475	35.54
28534	4400	1387	28.15	1413	30.24	1440	32.35	1467	34.50	1494	36.68	1521	38.90
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10376	1600	1081	11.25										
11673	1800	1095	12.44	1187	15.12								
12970	2000	1114	13.71	1202	16.57	1366	22.55						
14267	2200	1136	15.09	1221	18.10	1379	24.44	1526	31.11				
15564	2400	1163	16.58	1244	19.75	1396	26.41	1537	33.44	1671	40.75		
16861	2600	1192	18.20	1270	21.52	1416	28.50	1553	35.87	1682	43.54	1805	51.48
18158	2800	1224	19.98	1299	23.44	1440	30.73	1572	38.42	1697	46.44	1816	54.73
19455	3000	1259	21.92	1330	25.53	1466	33.11	1594	41.11	1715	49.45	1831	58.10
20752	3200	1295	24.04	1364	27.79	1495	35.65	1618	43.95	1736	52.62	1849	61.60
22049	3400	1334	26.35	1399	30.24	1525	38.38	1645	46.98	1760	55.95	1869	65.25
23346	3600	1374	28.87	1437	32.89	1558	41.31	1674	50.19	1785	59.46	1892	69.07
24643	3800	1415	31.59	1476	35.75	1593	44.46	1705	53.62	1813	63.18	1917	73.09
25940	4000	1458	34.54	1516	38.84	1629	47.82	1738	57.27	1843	67.11	1943	77.32
27237	4200	1503	37.72	1558	42.16	1667	51.43	1773	61.15	1874	71.28	1972	81.77
28534	4400	1548	41.15	1602	45.74	1707	55.28	1808	65.28	1907	75.69	2003	86.47

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 360

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 8.049 S. F. OUTLET AREA = 7.933 S. F. WHEEL DIAMETER = 36.5"

TIP SPEED FPM = 9.55 x RPM MAX. BHP = 18.5 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4760	600	158	0.06	244	0.26	316	0.50	378	0.78				
6346	800	211	0.15	277	0.39	338	0.68	392	1.00				
7933	1000	263	0.29	316	0.58	368	0.92	416	1.28	442	1.35	543	2.63
9520	1200	316	0.50	360	0.84	404	1.22	447	1.63	461	1.68	562	3.02
11106	1400	369	0.79	406	1.18	444	1.61	482	2.07	487	2.07	587	3.59
										518	2.55		
12693	1600	421	1.18	454	1.63	487	2.10	521	2.60	554	3.13	616	4.25
14279	1800	474	1.61	503	2.18	532	2.70	562	3.25	592	3.82	649	5.04
15866	2000	527	2.31	553	2.86	579	3.43	606	4.03	633	4.64	685	5.95
17453	2200	580	3.08	603	3.68	627	4.30	651	4.94	676	5.61	724	7.00
19039	2400	632	3.99	654	4.65	675	5.32	698	6.01	720	6.72	765	8.21
20626	2600	685	5.08	705	5.79	725	6.51	745	7.25	766	8.01	807	9.59
22212	2800	738	6.35	756	7.11	775	7.88	793	8.67	812	9.48	851	11.15
23799	3000	790	7.79	808	8.62	825	9.44	842	10.28	860	11.14	895	12.91
25386	3200	843	9.47	859	10.34	875	11.22	892	12.11	908	13.01	941	14.88
26972	3400	896	11.37	911	12.29	926	13.21	941	14.15	957	15.11	988	17.07
28559	3600	948	13.46	963	14.47	977	15.45	991	16.44	1006	17.40	1035	19.50
30145	3800	1001	15.85	1015	16.90	1028	17.93	1042	18.97	1055	20.03	1083	22.18
31732	4000	1054	18.50	1067	19.60	1080	20.68	1092	21.77	1105	22.88	1132	25.13
33319	4200	1106	21.38	1119	22.57	1131	23.70	1143	24.85	1156	26.00	1181	28.36
34905	4400	1159	24.60	1171	25.84	1183	27.02	1194	28.22	1206	29.42	1230	31.88
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7933	1000	618	3.44										
9520	1200	631	4.03	695	5.10	755	6.22						
11106	1400	651	4.69	711	5.86	767	7.08	821	8.35	873	9.66		
12693	1600	676	5.45	732	6.72	785	8.03	836	9.40	885	10.81	932	12.26
14279	1800	704	6.33	757	7.68	807	9.09	855	10.55	902	12.05	947	13.60
15866	2000	737	7.32	786	8.77	833	10.27	879	11.82	923	13.42	965	15.06
17453	2200	771	8.47	817	10.00	862	11.59	905	13.23	947	14.92	988	16.66
19039	2400	809	9.77	852	11.39	894	13.07	935	14.80	975	16.58	1013	18.41
20626	2600	848	11.23	888	12.94	928	14.71	967	16.53	1005	18.41	1042	20.32
22212	2800	889	12.89	927	14.69	964	16.55	1001	18.46	1037	20.42	1072	22.42
23799	3000	931	14.74	967	16.63	1002	18.58	1037	20.58	1071	22.63	1105	24.72
25386	3200	975	16.80	1008	18.78	1042	20.82	1075	22.91	1107	25.05	1139	27.24
26972	3400	1019	19.09	1051	21.16	1082	23.29	1114	25.47	1145	27.70	1175	29.97
28559	3600	1065	21.61	1095	23.78	1125	26.00	1154	28.28	1184	30.59	1213	32.96
30145	3800	1111	24.39	1139	26.65	1168	28.97	1196	31.33	1224	33.74	1252	36.19
31732	4000	1158	27.44	1185	29.79	1212	32.20	1239	34.66	1265	37.16	1292	39.70
33319	4200	1206	30.76	1231	33.21	1257	35.72	1282	38.27	1308	40.86	1333	43.49
34905	4400	1254	34.38	1278	36.93	1302	39.52	1327	42.17	1351	44.85	1375	47.58
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12693	1600	977	13.74										
14279	1800	990	15.19	1073	18.46								
15866	2000	1007	16.75	1087	20.22	1235	27.54						
17453	2200	1027	18.44	1104	22.10	1247	29.83	1379	37.99				
19039	2400	1051	20.27	1124	24.13	1262	32.24	1390	40.81	1511	49.77		
20626	2600	1078	22.28	1148	26.32	1280	34.81	1404	43.78	1521	53.15	1632	62.87
22212	2800	1107	24.47	1174	28.69	1302	37.55	1421	46.90	1535	56.67	1642	66.80
23799	3000	1138	26.86	1202	31.26	1325	40.49	1441	50.21	1551	60.37	1656	70.90
25386	3200	1171	29.46	1233	34.04	1351	43.63	1463	53.73	1570	64.26	1672	75.19
26972	3400	1206	32.29	1265	37.05	1379	46.99	1487	57.46	1591	68.37	1690	79.67
28559	3600	1242	35.36	1299	40.30	1409	50.60	1514	61.43	1614	72.71	1710	84.39
30145	3800	1280	38.69	1334	43.80	1440	54.46	1542	65.65	1639	77.29	1733	89.34
31732	4000	1319	42.29	1371	47.58	1473	58.60	1571	70.14	1666	82.14	1757	94.56
33319	4200	1359	46.77	1409	51.64	1507	63.02	1602	74.92	1694	87.28	1783	100.06
34905	4400	1400	50.35	1448	56.00	1543	67.73	1635	79.99	1724	92.71	1810	105.85

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 400

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 9.7888 S. F. OUTLET AREA = 9.647 S. F. WHEEL DIAMETER = 40.25"

TIP SPEED FPM = 10.53 x RPM MAX. BHP = 30.2 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5788	600	143	0.08	221	0.31	286	0.61	343	0.95				
7718	800	191	0.18	251	0.48	306	0.83	356	1.22	401	1.64		
9647	1000	239	0.35	287	0.71	334	1.11	378	1.56	418	2.04	493	3.08
11576	1200	287	0.61	326	1.02	367	1.48	405	1.98	442	2.52	510	3.67
13506	1400	334	0.96	368	1.44	403	1.96	437	2.51	470	3.10	532	4.36
15435	1600	382	1.44	412	1.98	442	2.55	427	3.16	502	3.81	559	5.17
17365	1800	430	2.05	456	2.65	483	3.29	510	3.95	537	4.65	589	6.12
19294	2000	478	2.81	501	3.48	525	4.17	549	4.90	574	5.65	622	7.23
21223	2200	525	3.74	547	4.48	569	5.23	590	6.01	613	6.82	656	8.51
23153	2400	573	4.85	593	5.66	613	6.47	633	7.31	653	8.18	693	9.98
25082	2600	621	6.17	639	7.04	657	7.92	676	8.82	694	9.74	732	11.66
27012	2800	669	7.71	686	8.65	703	9.59	720	10.55	737	11.53	771	13.56
28941	3000	717	9.48	732	10.49	748	11.49	764	12.51	780	13.55	812	15.70
30870	3200	764	11.50	779	12.58	794	13.65	809	14.73	823	15.83	845	18.10
32800	3400	812	13.80	826	14.95	840	16.08	854	17.22	868	18.39	896	20.77
34729	3600	860	16.38	873	17.60	886	18.79	899	20.00	912	21.22	939	23.72
36659	3800	908	19.27	920	20.56	933	21.82	945	23.08	957	24.37	982	26.99
38588	4000	955	22.47	968	23.84	975	25.16	991	26.49	1003	27.84	1026	30.58
40517	4200	1003	26.01	1015	27.46	1026	28.84	1037	30.23	1048	31.64	1071	34.50
42447	4400	1051	29.91	1062	31.43	1073	32.87	1083	34.33	1094	35.80	1115	38.79
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9647	1000	560	4.19										
11576	1200	572	4.90	630	6.21	685	7.57						
13506	1400	590	5.71	645	7.13	696	8.62	745	10.16	792	11.75		
15435	1600	613	6.63	664	8.17	712	9.77	758	11.44	803	13.15	845	14.91
17365	1800	639	7.69	686	9.34	732	11.05	776	12.83	818	14.67	859	16.55
19294	2000	668	8.90	712	10.66	755	12.48	797	14.37	837	16.32	876	18.32
21223	2200	699	10.29	741	12.15	782	14.09	821	16.09	859	18.14	896	20.26
23153	2400	733	11.87	772	13.84	810	15.88	848	17.99	884	20.15	919	22.38
25082	2600	769	13.66	805	15.73	841	17.88	877	20.09	911	22.37	945	24.70
27012	2800	806	15.67	840	17.85	874	20.11	908	22.43	940	24.81	972	27.25
28941	3000	844	17.92	877	20.22	909	22.58	940	25.01	971	27.50	1002	30.04
30870	3200	884	20.43	914	22.84	944	25.31	974	27.85	1004	30.44	1033	33.10
32800	3400	925	23.22	953	25.74	982	28.32	1010	30.97	1038	33.67	1066	36.43
34729	3600	966	26.29	993	28.93	1020	31.62	1047	34.38	1073	37.19	1100	40.06
36659	3800	1008	29.68	1033	32.42	1059	35.23	1084	38.10	1110	41.02	1135	44.00
38588	4000	1050	33.38	1075	36.25	1099	39.17	1123	42.15	1147	45.18	1172	48.27
40517	4200	1094	37.43	1117	40.41	1140	43.45	1163	46.54	1186	49.68	1209	52.88
42447	4400	1137	41.83	1159	44.93	1181	48.08	1203	51.29	1225	54.55	1247	57.86
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15435	1600	887	16.72										
17365	1800	898	18.48	974	22.46								
19294	2000	913	20.37	986	24.60	1120	33.51						
21223	2200	932	22.42	1001	26.89	1131	36.29	1251	46.22				
23153	2400	953	24.65	1020	29.35	1145	39.23	1261	49.66	1370	60.55		
25082	2600	977	27.09	1041	32.01	1161	42.35	1274	53.27	1380	64.67	1480	76.48
27012	2800	1004	29.75	1065	34.88	1180	45.68	1289	57.07	1392	68.96	1490	81.29
28941	3000	1032	32.65	1090	38.00	1202	49.23	1307	61.09	1407	73.46	1502	86.28
30870	3200	1062	35.81	1118	41.37	1225	53.04	1327	65.34	1424	78.18	1516	91.48
32800	3400	1093	39.25	1147	45.02	1251	57.13	1349	69.87	1443	83.16	1533	96.94
34729	3600	1126	42.98	1178	48.97	1277	61.51	1373	74.68	1464	88.42	1551	102.65
36659	3800	1160	47.03	1210	53.24	1306	66.20	1398	79.81	1486	93.98	1572	108.67
38588	4000	1196	51.41	1243	57.83	1336	71.22	1425	85.26	1511	99.87	1594	114.99
40517	4200	1232	56.13	1278	62.77	1367	76.58	1453	91.05	1536	106.09	1617	121.66
42447	4400	1269	61.22	1313	68.07	1399	82.32	1482	97.21	1563	112.69	1642	128.69

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 440

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 11.964 S. F. OUTLET AREA = 11.792 S. F. WHEEL DIAMETER = 44.5"

TIP SPEED FPM = 11.64 x RPM MAX. BHP = 49.7 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7075	600	130	0.09	200	0.38	259	0.75	310	1.16				
9434	800	173	0.22	227	0.58	277	1.01	322	1.49				
11792	1000	216	0.43	259	0.86	302	1.36	342	1.91	378	2.49	445	3.76
14150	1200	259	0.74	295	1.25	332	1.81	367	2.43	400	3.08	461	4.48
16509	1400	302	1.18	333	1.76	365	2.39	396	3.07	425	3.79	482	5.33
18867	1600	346	1.76	372	2.42	400	3.12	427	3.87	454	4.65	504	6.23
21226	1800	389	2.50	412	3.24	437	4.02	461	4.83	486	5.68	533	7.49
23584	2000	432	3.43	453	4.25	475	5.10	497	5.98	519	6.90	562	8.84
25942	2200	475	4.57	495	5.47	514	6.39	534	7.34	554	8.33	594	10.40
28301	2400	518	5.93	536	6.91	554	7.91	572	8.94	590	9.99	627	12.20
30659	2600	562	7.54	578	8.60	594	9.67	611	10.77	628	11.91	662	14.25
33018	2800	605	9.42	620	10.56	635	11.71	651	12.88	666	14.09	698	16.57
35376	3000	648	11.57	662	12.81	676	14.04	691	15.28	705	16.56	734	19.19
37734	3200	691	14.06	705	15.37	718	16.67	731	17.99	745	19.34	772	22.11
40093	3400	735	16.86	747	18.26	760	19.64	772	21.04	785	22.46	810	25.37
42451	3600	778	20.02	790	21.51	801	22.96	813	24.43	825	25.93	849	28.99
44810	3800	821	23.55	832	25.12	843	26.65	854	28.20	866	29.77	888	32.97
47168	4000	864	27.46	875	29.13	886	30.73	896	32.36	907	34.00	928	37.36
49526	4200	907	31.79	918	33.54	928	35.23	938	36.93	948	38.65	968	42.15
51885	4400	951	36.55	961	38.40	970	40.16	980	41.94	989	43.73	1008	47.38
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11792	1000	506	5.12			619	9.25						
14150	1200	517	5.99	570	7.58	619	9.25						
16509	1400	534	6.98	583	8.72	629	10.53	673	12.42	716	14.36		
18867	1600	554	8.10	600	9.98	644	11.94	685	13.97	725	16.07	764	18.22
21226	1800	578	9.40	621	11.41	662	13.51	701	15.68	739	17.92	776	20.22
23584	2000	604	10.89	645	13.03	683	15.26	721	17.57	757	19.95	792	22.39
25942	2200	633	12.58	671	14.86	707	17.22	743	19.66	777	22.18	810	24.76
28301	2400	663	14.51	699	16.92	733	19.42	767	21.99	799	24.64	831	27.35
30659	2600	696	16.70	729	19.24	761	21.87	793	24.57	824	27.35	854	30.20
33018	2800	729	19.16	760	21.83	791	24.59	821	27.43	851	30.34	880	33.32
35376	3000	764	21.91	793	24.72	822	27.61	851	30.58	879	33.63	906	36.74
37734	3200	799	24.97	827	27.92	854	30.95	882	34.05	908	37.23	935	40.47
40093	3400	836	28.37	862	31.46	888	34.62	914	37.86	939	41.17	964	44.55
42451	3600	873	32.13	898	35.35	922	38.65	947	42.03	971	45.47	995	48.98
44810	3800	911	36.26	934	39.63	958	43.06	981	46.58	1004	50.15	1027	53.80
47168	4000	950	40.79	972	44.29	994	47.87	1016	51.52	1038	55.23	1060	59.01
49526	4200	989	45.73	1010	49.38	1031	53.09	1052	56.88	1073	60.73	1094	64.65
51885	4400	1028	51.11	1048	54.90	1068	58.76	1088	62.69	1108	66.68	1128	70.73
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18867	1600	801	20.43										
21226	1800	812	22.58	880	27.45								
23584	2000	826	24.89	891	30.06	1013	40.94						
25942	2200	843	27.40	905	32.85	1022	44.34	1131	56.47				
28301	2400	862	30.13	922	35.86	1035	47.93	1140	60.68	1239	73.99		
30659	2600	884	33.11	941	39.11	1050	51.74	1151	65.08	1247	79.01	1338	93.46
33018	2800	908	36.36	963	42.63	1067	55.81	1165	69.72	1258	84.25	1347	99.32
35376	3000	934	39.91	986	46.45	1087	60.17	1182	74.63	1272	89.74	1358	105.41
37734	3200	961	43.78	1011	50.58	1108	64.83	1200	79.85	1287	95.52	1371	111.77
40093	3400	989	47.99	1038	55.05	1131	69.84	1220	85.39	1305	101.61	1386	118.43
42451	3600	1019	52.56	1066	59.88	1156	75.20	1242	91.28	1324	108.05	1403	125.43
44810	3800	1050	57.51	1095	65.10	1182	80.94	1265	97.56	1344	114.86	1421	132.79
47168	4000	1082	62.86	1125	70.71	1209	87.08	1289	104.23	1366	122.07	1441	140.53
49526	4200	1114	68.63	1156	76.75	1237	93.65	1315	111.32	1390	129.69	1462	148.69
51885	4400	1148	74.84	1188	83.24	1266	100.67	1341	118.87	1414	137.77	1485	157.30

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 490

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 14.506 S. F. OUTLET AREA = 14.298 S. F. WHEEL DIAMETER = 49"

TIP SPEED FPM = 12.82 x RPM MAX. BHP = 80.5 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8579	600	118	0.11	181	0.47	235	0.91	281	1.40				
11438	800	157	0.27	206	0.71	252	1.23	292	1.81				
14298	1000	196	0.52	236	1.05	274	1.65	310	2.31	329	2.43	405	4.56
17158	1200	235	0.89	268	1.51	301	2.20	333	2.94	344	3.02	419	5.43
20017	1400	275	1.43	303	2.14	331	2.90	359	3.73	363	3.73	437	6.46
22877	1600	314	2.13	338	2.93	363	3.79	388	4.69	386	4.60	459	7.67
25736	1800	353	3.03	375	3.93	397	4.87	419	5.86	441	6.89	484	9.08
28596	2000	392	4.15	412	5.15	431	6.18	451	7.26	471	8.37	511	10.72
31456	2200	432	5.55	449	6.63	467	7.75	485	8.91	503	10.11	539	12.62
34315	2400	471	7.20	487	8.38	503	9.59	520	10.83	536	12.12	570	14.79
37175	2600	510	9.14	525	10.43	540	11.73	555	13.07	570	14.44	601	17.28
40034	2800	549	11.40	563	12.81	577	14.20	591	15.62	605	17.08	634	20.09
42894	3000	589	14.07	602	15.54	614	17.02	627	18.53	640	20.08	667	23.26
45754	3200	628	17.06	640	18.64	652	20.22	664	21.82	676	23.46	701	26.81
48613	3400	667	20.44	679	22.14	690	23.81	701	25.51	713	27.23	736	30.77
51473	3600	706	24.23	717	26.08	728	27.84	738	29.62	749	31.44	771	35.15
54332	3800	746	28.59	756	30.46	766	32.31	776	34.19	786	36.10	807	39.98
57192	4000	785	33.31	795	35.31	804	37.26	814	39.23	823	41.23	843	45.30
60052	4200	824	38.53	834	40.67	843	42.71	852	44.78	861	46.87	879	51.11
62911	4400	863	44.26	873	46.56	881	48.69	890	50.85	898	53.03	916	57.45
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
14298	1000	460	6.20										
17158	1200	470	7.26	518	9.20	563	11.21						
20017	1400	485	8.46	529	10.57	571	12.71	612	15.05	650	17.41		
22877	1600	503	9.83	545	12.10	585	14.48	622	16.94	659	19.48	694	22.09
25736	1800	525	11.40	564	13.83	601	16.38	637	19.01	671	21.72	705	24.51
28596	2000	549	13.20	585	15.80	620	18.50	654	21.30	687	24.18	719	27.14
31456	2200	575	15.26	609	18.02	642	20.88	674	23.84	705	26.89	736	30.02
34315	2400	602	17.60	635	20.52	666	23.54	696	26.66	726	29.87	755	33.16
37175	2600	632	20.25	662	23.33	691	26.51	720	29.79	748	33.16	776	36.61
40034	2800	662	23.23	690	26.47	718	29.81	746	33.26	772	36.79	799	40.40
42894	3000	694	26.56	720	29.97	747	33.48	772	37.08	798	40.77	823	44.54
45754	3200	726	30.28	751	33.86	776	37.53	801	41.29	825	45.14	849	49.07
48613	3400	759	34.40	783	38.15	806	41.98	830	45.91	853	49.92	876	54.01
51473	3600	793	38.96	815	42.87	838	46.87	860	50.96	882	55.14	904	59.39
54332	3800	828	43.97	849	48.05	870	52.22	891	56.47	912	60.81	933	65.23
57192	4000	863	49.46	883	53.71	903	58.05	923	62.47	943	66.97	963	71.55
60052	4200	898	55.45	917	59.87	936	64.38	955	68.97	974	73.64	993	78.39
62911	4400	934	61.97	952	66.57	970	71.25	988	76.01	1006	80.85	1025	85.76
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22877	1600	728	24.76										
25736	1800	737	27.37	799	33.27								
28596	2000	750	30.18	809	36.44	920	49.64						
31456	2200	765	33.22	822	39.83	929	53.76	1027	68.47				
34315	2400	783	36.53	837	43.48	940	58.11	1035	73.56	1125	89.71		
37175	2600	803	40.15	855	47.42	954	62.73	1046	78.90	1133	95.80	1215	113.31
40034	2800	825	44.09	875	51.69	969	67.67	1059	84.53	1143	102.15	1223	120.41
42894	3000	848	48.40	896	56.32	987	72.95	1073	90.49	1155	108.81	1233	127.80
45754	3200	872	53.09	918	61.33	1006	78.61	1090	96.81	1169	115.81	1245	135.51
48613	3400	898	58.19	942	66.75	1027	84.67	1108	103.53	1185	123.20	1259	143.59
51473	3600	925	63.73	968	72.61	1050	91.17	1128	110.68	1202	131.01	1274	152.07
54332	3800	953	69.72	994	78.93	1073	98.13	1148	118.28	1221	139.26	1291	160.99
57192	4000	982	76.21	1021	85.74	1097	105.58	1171	126.37	1241	148.00	1309	170.39
60052	4200	1012	83.21	1050	93.06	1123	113.55	1194	134.98	1262	157.25	1328	180.29
62911	4400	1043	90.74	1079	100.92	1149	122.05	1218	144.12	1284	167.04	1349	190.72

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 540

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 17.781 S. F. OUTLET AREA = 17.526 S. F. WHEEL DIAMETER = 54.25"
 TIP SPEED FPM = 14.20 x RPM MAX. BHP = 133.9 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,
 CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10516	600	106	0.14	164	0.57	212	1.11						
14021	800	142	0.32	186	0.86	227	1.51	264	2.22	298	2.99		
17526	1000	177	0.64	213	1.28	248	2.02	280	2.83	310	3.71	365	5.59
21031	1200	213	1.11	242	1.86	272	2.70	301	3.61	328	4.58	378	6.66
24536	1400	248	1.75	273	2.62	299	3.56	324	4.57	349	5.63	395	7.92
28042	1600	284	2.62	305	3.60	328	4.64	350	5.75	373	6.91	415	9.39
31547	1800	319	3.72	338	4.82	358	5.97	378	7.18	398	8.45	437	11.12
35052	2000	354	5.08	372	6.32	390	7.58	408	8.90	426	10.26	461	13.13
38557	2200	390	6.80	406	8.13	422	9.50	438	10.92	454	12.39	487	15.46
42062	2400	425	8.79	440	10.27	454	11.76	469	13.29	484	14.86	514	18.13
45568	2600	461	11.22	474	12.79	488	14.38	501	16.02	515	17.70	543	21.18
49073	2800	496	13.98	509	15.70	521	17.41	534	19.16	546	20.95	572	24.64
52578	3000	532	17.25	543	19.05	555	20.87	567	22.73	578	24.62	602	28.52
56083	3200	567	20.88	578	22.85	589	24.79	600	26.76	611	28.76	633	32.88
59588	3400	603	25.12	613	27.15	623	29.20	633	31.28	644	33.40	665	37.73
63094	3600	638	29.75	648	31.97	657	34.13	667	36.33	677	38.56	696	43.10
66599	3800	673	34.92	683	37.34	692	39.62	701	41.93	710	44.27	729	49.03
70104	4000	709	40.83	718	43.29	726	45.69	735	48.11	744	50.56	761	55.55
73609	4200	744	47.18	753	49.86	761	52.37	769	54.91	777	57.47	794	62.68
77114	4400	780	54.37	788	57.07	796	59.70	804	62.35	811	65.03	827	70.46
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
17526	1000	415	7.61										
21031	1200	424	8.91	468	11.28								
24536	1400	438	10.37	478	12.96	516	15.66	552	18.46	587	21.35		
28042	1600	455	12.04	492	14.84	528	17.75	562	20.78	595	23.89	627	27.09
31547	1800	474	13.94	509	16.96	543	20.08	575	23.31	606	26.64	637	30.07
35052	2000	496	16.17	529	19.36	560	22.68	591	26.11	621	29.65	649	33.29
38557	2200	519	18.69	550	22.07	580	25.59	609	29.22	637	32.96	665	36.80
42062	2400	544	21.56	573	25.14	601	28.85	629	32.67	656	36.61	682	40.65
45568	2600	571	24.81	598	28.58	624	32.49	651	36.51	676	40.64	701	44.87
49073	2800	598	28.47	624	32.44	649	36.54	674	40.75	698	45.08	721	49.50
52578	3000	621	32.56	651	36.73	674	41.03	689	45.44	721	49.96	743	54.58
56083	3200	656	37.12	678	41.50	701	45.99	723	50.60	745	55.31	767	60.13
59588	3400	686	42.18	707	46.76	728	51.46	749	56.26	770	61.17	791	66.19
63094	3600	716	47.77	737	52.56	757	57.46	777	62.46	797	67.57	816	72.78
66599	3800	748	53.92	767	58.91	786	64.02	805	69.22	824	74.53	842	79.94
70104	4000	779	60.65	797	65.85	815	71.17	833	76.58	851	82.09	869	87.70
73609	4200	811	68.00	828	73.42	845	78.94	863	84.56	880	90.27	897	96.08
77114	4400	843	75.99	860	81.63	876	87.36	893	93.19	909	99.11	925	105.12
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
28042	1600	658	30.37										
31547	1800	666	33.57	722	40.81								
35052	2000	677	37.01	731	44.70	831	60.88						
38557	2200	691	40.73	742	48.85	839	65.94						
42062	2400	707	44.78	756	53.31	849	71.27	935	90.23				
45568	2600	725	49.20	772	58.14	861	76.93	945	96.78	1023	117.50		
49073	2800	745	54.03	790	63.36	876	82.97	956	103.67	1032	125.29	1105	147.69
52578	3000	766	59.30	809	69.02	892	89.43	969	110.96	1043	133.45	1114	156.75
56083	3200	788	65.05	830	75.15	909	96.35	984	118.69	1056	142.02	1124	166.20
59588	3400	811	71.30	851	81.79	928	103.77	1001	126.91	1070	151.06	1137	176.09
63094	3600	836	78.09	874	88.97	948	111.73	1018	135.66	1086	160.61	1151	186.47
66599	3800	861	85.45	898	96.72	969	120.25	1037	144.96	1103	170.71	1166	197.39
70104	4000	887	93.40	923	105.06	991	129.38	1057	154.86	1121	181.40	1182	208.88
73609	4200	914	101.98	948	114.04	1014	139.13	1078	165.40	1140	192.72	1200	220.98
77114	4400	942	111.23	974	123.68	1038	149.56	1100	176.60	1160	204.69	1218	233.74

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 600

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 21.75 S. F. OUTLET AREA = 21.438 S. F. WHEEL DIAMETER = 60"

TIP SPEED FPM = 15.7 x RPM MAX. BHP = 221.3 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
12863	600	96	0.17	148	0.70	192	1.36						
17150	800	128	0.40	168	1.06	206	1.84	239	2.72	269	3.65		
21438	1000	160	0.78	192	1.57	224	2.47	253	3.47	281	4.53	330	6.84
25726	1200	192	1.34	219	2.27	246	3.30	272	4.41	296	5.60	342	8.15
30013	1400	224	2.13	247	3.20	270	4.35	293	5.59	315	6.89	357	9.69
34301	1600	256	3.18	276	4.40	296	5.68	317	7.03	337	8.46	375	11.49
38588	1800	288	4.53	306	5.90	324	7.31	342	8.78	360	10.33	395	13.60
42876	2000	320	6.21	336	7.73	352	9.27	369	10.88	385	12.55	417	16.06
47164	2200	353	8.34	367	9.94	381	11.62	396	13.36	411	15.16	440	18.91
51451	2400	385	10.82	398	12.57	411	14.38	424	16.25	438	18.18	465	22.18
55739	2600	417	13.75	429	15.65	441	17.60	453	19.60	466	21.66	491	25.91
60026	2800	449	17.16	460	19.21	471	21.30	483	23.44	494	25.63	517	30.41
64314	3000	481	21.10	491	23.30	502	25.53	512	27.81	523	30.13	545	34.90
68602	3200	513	25.59	523	27.95	532	30.33	542	32.74	552	35.19	573	40.22
72889	3400	545	30.69	554	33.21	563	35.72	573	38.27	582	40.86	601	46.16
77177	3600	577	36.42	586	39.10	594	41.75	603	44.44	612	47.17	630	52.73
81464	3800	609	42.82	617	45.67	626	48.46	634	51.29	642	54.15	659	59.99
85752	4000	641	49.93	649	52.95	657	55.89	665	58.85	672	61.86	688	67.96
90040	4200	673	57.79	681	60.99	688	64.06	696	67.17	703	70.31	718	76.69
94327	4400	705	66.43	713	69.80	720	73.02	727	76.27	734	79.55	748	86.20
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
21438	1000	376	9.31										
25726	1200	384	10.90	423	13.80	459	16.83						
30013	1400	396	12.69	432	15.86	467	19.17	499	22.59				
34301	1600	411	14.73	445	18.15	477	21.72	508	25.42	538	29.24	567	33.16
38588	1800	429	17.08	460	20.74	491	24.56	520	28.52	548	32.60	576	36.79
42876	2000	448	19.78	478	23.68	507	27.74	534	31.94	561	36.28	587	40.73
47164	2200	469	22.86	497	27.00	524	31.30	551	35.74	576	40.32	601	45.02
51451	2400	492	26.37	518	30.75	544	35.28	569	39.96	593	44.78	617	49.73
55739	2600	516	30.35	540	34.96	565	39.73	588	44.65	611	49.70	634	54.89
60026	2800	541	34.82	564	39.67	587	44.68	609	49.84	631	55.13	652	60.55
64314	3000	566	39.83	588	44.93	610	50.18	631	55.57	652	61.10	672	66.75
68602	3200	593	45.42	613	50.76	634	56.25	654	61.89	674	67.65	693	73.54
72889	3400	620	51.61	639	57.20	659	62.94	678	68.81	696	74.82	715	80.95
77177	3600	648	58.44	666	64.29	684	70.28	702	76.40	720	82.65	738	89.02
81464	3800	676	65.96	693	72.07	710	78.31	728	84.67	745	91.16	762	97.78
85752	4000	705	74.20	721	80.56	737	87.06	753	93.67	770	100.41	786	107.27
90040	4200	733	83.19	749	89.82	764	96.57	780	103.44	796	110.43	811	117.53
94327	4400	763	92.97	777	99.87	792	106.88	807	114.00	822	121.24	837	128.59
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
34301	1600	595	37.17										
38588	1800	602	41.09	653	49.94								
42876	2000	612	45.29	661	54.70	751	74.49						
47164	2200	625	49.84	671	59.78	758	80.69	839	102.75				
51451	2400	640	54.79	684	65.23	768	87.22	846	110.42				
55739	2600	656	60.19	698	71.13	779	94.14	854	118.43	925	143.78	993	170.04
60026	2800	673	66.09	714	77.51	792	101.52	864	126.86	933	153.32	999	180.73
64314	3000	692	72.53	732	84.42	806	109.41	877	135.78	943	163.30	1007	191.83
68602	3200	712	79.56	750	91.92	822	117.87	890	145.23	955	173.79	1017	203.39
72889	3400	734	87.20	770	100.04	839	126.94	905	155.27	968	184.83	1028	215.48
77177	3600	756	95.50	790	108.81	857	136.66	921	165.95	982	196.51	1040	288.17
81464	3800	779	104.50	812	118.29	876	147.08	938	177.32	997	208.84	1054	241.50
85752	4000	802	114.24	834	128.50	896	158.23	956	189.42	1013	221.91	1069	255.55
90040	4200	827	124.74	857	139.48	917	170.17	975	202.30	1031	235.74	1085	270.34
94327	4400	852	136.05	881	151.28	939	182.91	995	215.99	1049	250.37	1101	285.93

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 660

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 26.318 S. F. OUTLET AREA = 25.939 S. F. WHEEL DIAMETER = 66"

TIP SPEED FPM = 17.27 x RPM MAX. BHP = 362 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
15563	600	87	0.20	135	0.85	174	1.65	209	2.55				
20751	800	117	0.49	153	1.28	187	2.23	217	3.29	245	4.42		
25939	1000	146	0.95	175	1.90	204	2.99	230	4.19	255	5.49	300	8.28
31127	1200	175	1.64	199	2.75	224	3.99	247	5.33	269	6.77	311	9.87
36315	1400	204	2.59	225	3.88	246	5.27	267	6.76	287	8.33	325	11.72
41502	1600	233	3.86	251	5.32	270	6.87	288	8.51	306	10.23	341	13.90
46690	1800	262	5.49	278	7.14	294	8.84	311	10.63	327	12.50	359	16.45
51878	2000	291	7.52	306	9.36	320	11.23	335	13.17	350	15.19	379	19.43
57066	2200	320	10.00	333	12.04	347	14.07	360	16.17	374	18.34	400	22.87
62254	2400	350	13.09	362	15.21	374	17.41	386	19.67	398	22.00	423	26.84
67441	2600	379	16.62	390	18.93	401	21.30	412	23.73	423	26.21	446	31.35
72629	2800	408	20.74	418	23.25	428	25.78	439	28.37	449	31.02	470	36.47
77817	3000	437	25.48	447	28.19	456	30.90	466	33.66	475	36.47	495	42.23
83005	3200	466	30.89	475	33.82	484	36.70	493	39.63	502	42.60	521	48.69
88193	3400	495	37.03	504	40.18	512	43.23	521	46.23	529	49.46	546	55.87
93380	3600	524	43.93	533	47.31	540	50.53	548	53.79	556	57.10	573	63.83
98568	3800	554	51.92	561	55.25	569	58.65	576	62.08	584	65.55	599	72.61
103756	4000	583	60.50	590	64.06	597	67.63	604	71.23	611	74.87	626	82.27
108944	4200	612	69.99	619	73.78	626	77.52	623	81.29	639	85.10	653	92.83
114132	4400	641	80.42	648	84.45	654	88.36	661	92.30	667	96.28	680	104.35
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
25939	1000	342	11.27										
31127	1200	349	13.20	384	16.71	418	20.37						
36315	1400	360	15.36	393	19.19	424	23.20	454	27.35	483	31.62		
41502	1600	374	17.82	405	21.97	434	26.29	462	30.77	489	35.39	515	40.13
46690	1800	390	20.66	419	25.10	446	29.72	473	34.52	499	39.46	523	44.54
51878	2000	407	23.92	435	28.64	461	33.56	486	38.65	510	43.90	534	49.30
57066	2200	427	27.65	452	32.65	477	37.85	501	43.24	524	48.78	546	54.48
62254	2400	447	31.90	471	37.19	494	42.67	517	48.34	539	54.17	560	60.16
67441	2600	469	36.71	491	42.28	513	48.05	535	54.00	556	60.12	576	66.39
72629	2800	492	42.13	513	47.99	533	54.05	554	60.28	573	66.68	593	73.23
77817	3000	515	48.20	535	54.36	554	60.70	573	67.21	592	73.90	611	80.74
83005	3200	539	54.96	558	61.42	576	68.05	594	74.86	612	81.82	630	88.95
88193	3400	564	62.46	581	69.22	599	76.15	616	83.25	633	90.50	650	97.91
93380	3600	589	70.74	605	77.81	622	85.04	638	92.43	655	99.98	671	107.67
98568	3800	615	79.84	630	87.22	646	94.76	661	102.45	677	110.29	692	118.28
103756	4000	641	89.81	655	97.51	670	105.36	685	113.35	700	121.49	715	129.77
108944	4200	667	100.70	681	108.72	695	116.88	709	125.18	723	133.62	737	142.20
114132	4400	693	112.55	707	120.88	720	129.36	734	137.97	747	146.72	761	155.60
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
41502	1600	541	44.99										
46690	1800	547	49.74	594	60.45								
51878	2000	557	54.82	601	66.21	683	90.17						
57066	2200	568	60.31	610	72.35	689	97.68	763	124.36				
62254	2400	581	66.29	622	78.94	698	105.57	769	133.66	835	162.94		
67441	2600	596	72.81	635	86.06	708	113.94	777	143.36	841	174.05	902	205.81
72629	2800	612	79.94	649	93.76	720	122.85	786	153.56	849	185.60	908	218.78
77817	3000	629	87.72	665	102.12	733	132.39	797	164.33	858	197.67	916	232.21
83005	3200	648	96.22	682	111.18	747	142.60	809	175.74	868	210.34	924	246.19
88193	3400	667	105.46	700	120.90	763	153.55	823	187.87	880	223.69	935	260.81
93380	3600	687	115.51	718	131.60	779	165.29	837	200.76	893	237.77	946	276.13
98568	3800	708	126.40	738	143.06	797	177.88	853	214.50	906	252.68	958	292.24
103756	4000	729	138.19	758	155.42	815	191.37	869	229.12	921	268.45	972	309.20
108944	4200	751	150.91	779	168.72	834	205.81	886	244.68	937	285.15	986	327.06
114132	4400	774	164.60	801	183.00	853	221.23	904	261.23	953	302.84	1001	345.89

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 730

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 32.196 S. F. OUTLET AREA = 31.733 S. F. WHEEL DIAMETER = 73"

TIP SPEED FPM = 19.10 x RPM MAX. BHP = 599.5 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
19040	600	79	0.25	122	1.04	158	2.02	189	3.11				
25386	800	105	0.59	138	1.56	169	2.73	196	4.02				
31733	1000	132	1.16	158	2.32	184	3.66	208	5.13	231	6.71	272	10.12
38080	1200	158	1.99	180	3.36	202	4.88	223	6.53	244	8.29	281	12.07
44426	1400	184	3.15	203	4.74	222	6.44	241	8.27	259	10.20	294	14.34
50773	1600	211	4.75	227	6.51	244	8.40	260	10.41	277	12.52	304	17.01
57119	1800	237	6.73	251	8.73	266	10.81	281	13.00	296	15.29	325	20.13
63466	2000	263	9.19	276	11.45	290	13.73	303	16.11	316	18.58	343	23.77
69813	2200	290	12.33	302	14.72	313	17.21	326	19.78	338	22.43	362	27.99
76159	2400	316	15.95	327	18.61	338	21.29	349	24.06	360	26.91	382	32.83
82506	2600	342	20.22	352	23.16	362	26.05	372	29.02	383	32.06	403	38.35
88852	2800	369	25.39	378	28.43	387	31.53	397	34.70	406	37.94	425	44.61
95199	3000	395	31.55	404	34.49	412	37.79	421	41.16	430	44.60	448	51.66
101546	3200	421	37.71	430	41.37	438	44.89	446	48.46	454	52.10	471	59.55
107892	3400	448	45.44	456	49.15	463	52.87	471	56.65	478	60.49	494	68.33
114239	3600	474	53.83	481	57.87	489	61.80	496	65.79	503	69.83	518	78.07
120585	3800	500	63.18	507	67.59	514	71.73	521	75.93	528	80.17	542	88.81
126932	4000	527	73.98	533	78.36	540	82.72	546	87.12	553	91.57	566	100.61
133279	4200	553	85.47	560	90.25	566	94.82	572	99.43	578	104.08	590	113.53
139625	4400	579	98.10	586	103.30	591	108.08	597	112.90	603	117.76	615	127.61
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
31733	1000	309	13.78										
38080	1200	315	16.14	347	20.34	378	24.91						
44426	1400	325	18.79	355	23.48	384	28.37	411	33.45	436	38.67		
50773	1600	338	21.81	366	26.87	392	32.16	418	37.64	442	43.29	466	49.09
57119	1800	352	25.28	378	30.71	403	36.36	428	42.22	451	48.27	473	54.48
63466	2000	368	29.27	393	35.04	416	41.06	439	47.29	461	53.71	483	60.30
69813	2200	386	33.84	409	39.96	431	46.32	453	52.90	474	59.69	494	66.65
76159	2400	404	39.04	426	45.45	447	52.21	467	59.15	487	66.28	507	73.61
82506	2600	424	44.92	444	51.74	464	58.80	483	66.08	502	73.56	521	81.24
88852	2800	444	51.54	463	58.72	482	66.13	500	73.76	519	81.59	536	89.61
95199	3000	466	58.96	483	66.50	501	74.27	519	82.24	536	90.42	552	98.79
101546	3200	487	67.23	504	75.13	521	83.26	537	91.59	554	100.12	570	108.84
107892	3400	510	76.39	525	84.67	541	93.16	557	101.85	572	110.73	588	119.80
114239	3600	532	86.52	547	95.17	562	104.03	577	113.08	592	122.32	607	131.74
120585	3800	556	97.65	570	106.69	584	115.91	598	125.33	612	134.93	626	144.71
126932	4000	579	109.84	592	119.27	606	128.87	619	138.66	633	148.63	646	158.77
133279	4200	603	123.16	616	132.97	628	142.96	641	153.12	654	163.46	667	173.96
139625	4400	627	137.64	639	147.85	651	158.22	663	168.76	675	179.47	688	190.34
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
50773	1600	489	55.02										
57119	1800	495	60.83	537	73.93								
63466	2000	503	67.05	543	80.98	618	110.28						
69813	2200	514	73.78	552	88.50	623	119.46	690	152.10				
76159	2400	526	81.10	562	96.57	631	129.13	695	163.47	755	199.27		
82506	2600	539	89.09	574	105.29	640	139.38	702	175.34	760	212.87	816	251.71
88852	2800	553	97.82	587	114.73	651	150.29	711	187.83	767	227.00	821	267.57
95199	3000	569	107.35	601	124.96	663	161.97	720	201.02	775	241.78	828	284.01
101546	3200	586	117.74	616	136.04	676	174.47	732	215.00	785	257.29	836	301.13
107892	3400	603	129.05	633	148.05	690	187.88	744	229.84	795	273.64	845	319.02
114239	3600	621	141.34	650	161.04	704	202.26	757	245.64	807	290.90	855	337.80
120585	3800	640	154.66	667	175.06	720	217.67	771	262.46	820	309.15	866	357.52
126932	4000	659	169.07	686	190.17	737	234.18	786	280.36	833	328.46	879	378.29
133279	4200	679	184.63	705	206.44	754	251.84	801	299.41	847	348.92	892	400.17
139625	4400	700	201.37	724	223.90	772	270.70	818	319.66	862	370.56	905	423.23

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 805

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 39.152 S. F. OUTLET AREA = 38.589 S. F. WHEEL DIAMETER = 80.5"

TIP SPEED FPM = 21.06 x RPM MAX. BHP = 997.5 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
23153	600	72	0.31	110	1.26	143	2.46	171	3.79				
30871	800	96	0.73	126	1.90	153	3.32	178	4.89	201	6.59		
38589	1000	119	1.39	143	2.82	167	4.45	189	6.24	209	8.17	246	12.32
46307	1200	143	2.41	163	4.09	183	5.93	203	7.93	221	10.07	255	14.69
54025	1400	167	3.84	184	5.77	202	7.83	219	10.05	235	12.39	266	17.44
61742	1600	191	5.74	206	7.92	221	10.22	236	12.65	251	15.21	280	20.67
69460	1800	215	8.19	228	10.62	241	13.16	255	15.81	268	18.58	294	24.46
77178	2000	239	11.25	251	13.93	263	16.71	275	19.59	287	22.59	311	28.89
84896	2200	263	15.00	273	17.91	284	20.94	295	24.06	306	27.28	328	34.02
92614	2400	287	19.48	296	22.64	306	25.91	316	29.28	326	32.73	347	39.91
100331	2600	311	24.79	320	28.18	329	31.71	338	35.31	347	39.00	366	46.63
108049	2800	334	30.71	343	34.60	351	38.38	360	42.23	368	46.16	386	54.26
115767	3000	358	37.82	366	41.97	374	46.00	382	50.10	390	54.27	406	62.84
123485	3200	382	45.94	390	50.34	397	54.63	404	58.98	412	63.40	427	72.44
131203	3400	406	55.16	413	59.80	420	64.35	427	68.95	434	73.62	448	83.14
138920	3600	430	65.53	437	70.41	443	75.21	450	80.07	456	84.98	469	94.99
146638	3800	454	77.12	460	82.24	466	87.29	472	92.40	479	97.57	491	108.07
154356	4000	478	90.01	484	95.35	490	100.66	495	106.02	501	111.44	513	122.44
162074	4200	502	104.26	507	109.81	513	115.38	518	121.00	524	126.67	535	138.16
169792	4400	526	119.95	531	125.69	536	131.52	542	137.39	547	143.32	558	155.31
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
61742	1600	306	26.52	332	32.69	356	39.14	379	45.82	401	52.69	423	59.75
69460	1800	319	30.73	343	37.34	366	44.23	388	51.38	409	58.75	429	66.31
77178	2000	334	35.57	356	42.60	378	49.92	398	57.51	418	65.34	438	73.38
84896	2200	350	41.12	371	48.56	391	56.30	410	64.32	429	72.59	448	81.08
92614	2400	367	47.44	386	55.30	405	63.45	424	71.89	442	80.58	460	89.51
100331	2600	384	54.60	403	62.88	421	71.45	438	80.30	456	89.41	472	98.76
108049	2800	403	62.66	420	71.37	437	80.36	454	89.63	470	99.15	486	108.91
115767	3000	422	71.69	438	80.84	454	90.26	470	99.94	486	109.88	501	120.06
123485	3200	442	81.76	457	91.35	472	101.20	487	111.31	502	121.67	517	132.26
131203	3400	462	92.92	477	102.96	491	113.25	505	123.79	519	134.57	533	145.59
138920	3600	483	105.25	496	115.75	510	126.48	523	137.46	537	148.67	550	160.10
146638	3800	504	118.80	517	129.77	529	140.96	542	152.38	555	164.02	568	175.88
154356	4000	525	133.65	537	145.09	549	156.74	562	168.61	574	180.69	586	192.99
162074	4200	547	149.86	558	161.77	570	173.89	581	186.21	593	198.75	604	211.48
169792	4400	568	167.50	579	179.89	590	192.47	601	205.26	613	218.25	624	231.43
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
61742	1600	443	66.96										
69460	1800	449	74.05	487	89.99								
77178	2000	457	81.61	493	98.58	560	134.21						
84896	2200	466	89.77	500	107.71	565	145.42	625	185.10				
92614	2400	477	98.65	510	117.50	572	157.18	630	198.98	685	242.5		
100331	2600	489	108.32	521	128.07	581	169.92	637	213.44	690	259.1	740	306.32
108049	2800	502	118.90	532	139.50	590	182.86	644	228.61	696	276.32	745	325.69
115767	3000	516	130.46	545	151.90	601	197.01	653	244.62	703	294.29	751	345.72
123485	3200	531	143.08	559	165.35	613	212.16	663	261.56	712	313.13	758	366.54
131203	3400	547	156.82	574	179.92	625	228.41	674	279.56	721	332.95	766	388.28
138920	3600	563	171.76	589	195.69	639	245.85	686	298.70	732	353.87	776	411.04
146638	3800	580	187.96	605	212.73	653	264.55	699	319.08	743	375.98	786	434.95
154356	4000	598	205.49	622	231.10	668	284.58	713	340.78	755	399.39	797	460.12
162074	4200	616	224.42	639	250.88	684	306.03	727	363.89	768	424.17	808	486.63
169792	4400	635	244.80	657	272.13	700	328.95	741	388.47	782	450.43	821	514.57

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

SIZE 890

SWSI TYPE PB CENTRIFUGAL FAN

INTAKE AREA = 47.856 S. F. OUTLET AREA = 47.168 S. F. WHEEL DIAMETER = 89"

TIP SPEED FPM = 23.29 x RPM MAX. BHP = 1655 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

		0 SP		0.25 SP		0.5 SP		0.75 SP		1 SP		1.5 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
28301	600	65	0.37	100	1.54	129	3.00	155	4.63				
37734	800	86	0.87	114	2.32	139	4.05	161	5.98	181	8.05		
47168	1000	108	1.71	130	3.45	151	5.44	171	7.63	189	9.98	223	15.06
56602	1200	130	2.99	148	5.00	166	7.25	183	9.70	200	12.31	231	17.95
66035	1400	151	4.69	167	7.05	182	9.58	198	12.28	213	15.15	241	21.31
75469	1600	173	7.05	186	9.69	200	12.49	214	15.46	227	18.59	253	25.26
84902	1800	194	9.94	206	12.99	218	16.08	231	19.33	243	22.72	266	29.90
94336	2000	216	13.72	227	17.03	237	20.42	248	23.95	259	27.61	281	35.31
103770	2200	238	18.35	247	21.90	257	25.60	267	29.41	277	33.35	295	41.58
113203	2400	259	23.65	268	27.68	277	31.68	286	35.79	295	40.01	314	48.79
122637	2600	281	30.21	289	34.45	297	38.76	306	43.17	314	47.68	331	57.01
132070	2800	302	37.50	310	42.29	318	46.91	325	51.62	333	56.43	349	66.33
141504	3000	324	46.30	331	51.29	338	56.22	345	61.24	353	66.34	367	76.82
150938	3200	346	56.39	352	61.53	359	66.78	366	72.10	372	77.50	386	88.56
160371	3400	367	67.30	374	73.09	380	78.65	386	84.28	392	89.99	405	101.64
169805	3600	389	80.14	395	86.06	401	91.93	407	97.87	413	103.88	425	116.13
179238	3800	411	94.52	416	100.51	422	106.70	427	112.95	433	119.27	444	132.11
188672	4000	432	109.76	438	116.53	443	123.03	448	129.60	453	136.22	464	149.67
198106	4200	454	127.40	459	134.20	464	141.02	469	147.90	474	154.84	484	168.89
207539	4400	475	145.90	480	153.61	485	160.74	490	167.93	495	175.18	504	189.85
		2 SP		2.5 SP		3 SP		3.5 SP		4 SP		4.5 SP	
CFM	CV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
47168	1000	253	20.50			310	37.05						
56602	1200	259	24.01	285	30.40	315	42.22			358	57.52		
66035	1400	267	27.94	291	34.93			337	49.76				
75469	1600	277	32.41	300	39.96	322	47.84	343	56.00	363	64.40	382	73.03
84902	1800	289	37.56	310	45.63	331	54.06	351	62.80	370	71.8	388	81.04
94336	2000	302	43.48	322	52.07	342	61.02	360	70.29	378	79.86	396	89.69
103770	2200	316	50.26	335	59.35	354	68.82	371	78.62	388	88.72	405	99.09
113203	2400	332	57.99	349	67.59	367	77.56	383	87.87	400	98.49	416	109.39
122637	2600	348	66.74	364	76.86	381	87.34	396	98.15	412	109.28	427	120.70
132070	2800	365	76.60	380	87.24	395	98.23	410	109.56	425	121.19	440	133.12
141504	3000	382	87.65	397	98.82	411	110.33	425	122.17	439	134.31	453	146.75
150938	3200	400	99.95	414	111.67	427	123.71	441	136.07	454	148.72	467	161.67
160371	3400	418	113.60	431	125.87	444	138.45	457	151.33	470	164.51	482	177.96
169805	3600	437	128.67	449	141.50	461	154.63	473	168.05	485	181.74	497	195.72
179238	3800	456	145.24	467	158.64	479	172.32	490	186.28	502	200.51	513	215.01
188672	4000	475	163.39	486	177.37	497	191.61	508	206.12	519	220.90	530	235.92
198106	4200	494	183.20	505	197.77	515	212.58	526	227.65	536	242.97	547	258.54
207539	4400	514	204.76	524	219.91	534	235.30	544	250.93	554	266.81	564	282.92
		5 SP		6 SP		8 SP		10 SP		12 SP		14 SP	
CFM	OV	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
75469	1600	401	81.84										
84902	1800	406	90.50	440	109.99								
94336	2000	413	99.74	446	120.48	507	164.07						
103770	2200	421	109.72	453	131.64	511	177.73	566	226.23				
113203	2400	431	120.56	461	143.61	518	192.10	570	243.19	619	296.39		
122637	2600	442	132.40	471	156.52	525	207.31	576	260.87	624	316.68	669	374.39
132070	2800	454	145.33	482	170.50	534	223.49	583	279.41	629	337.72	674	398.06
141504	3000	467	159.46	493	185.66	543	240.78	591	298.96	636	359.68	679	422.53
150938	3200	480	174.89	506	202.10	554	259.31	600	319.68	644	382.70	685	447.98
160371	3400	494	191.69	519	219.92	566	279.17	610	341.67	652	406.92	693	474.54
169805	3600	509	209.96	533	239.20	578	300.49	621	365.07	662	432.49	701	502.37
179238	3800	525	229.77	547	260.03	591	323.35	632	389.99	672	459.52	711	531.59
188672	4000	541	251.21	562	282.50	604	347.85	644	416.52	683	488.14	721	562.35
198106	4200	557	274.35	578	306.69	618	374.07	657	444.78	695	518.44	731	594.76
207539	4400	574	299.27	594	332.66	633	420.10	671	474.83	707	550.53	743	628.92

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