

CA SERIES BELT DRIVE RATING TABLES

Rating at 70°F., .075 Density, Sea Level

CA-8

Outlet Area (Sq. Ft.) 0.087

Wheel Diameter 8"

VOLUME CFM	SP (IN.) WG																			
	.50		1.00		1.50		2.00		2.50		3.00		3.50		4.00		4.50		5.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
50	1231	.01	1711	.03	2089	.05	2408	.08	2690	.10	2944	.14	3178	.17	3396	.20	3601	.24	3795	.28
100	1447	.02	1838	.04	2168	.06	2463	.09	2727	.12	2976	.15	3206	.19	3421	.23	3625	.27	3818	.31
150	1743	.04	2093	.07	2384	.10	2637	.12	2871	.15	3093	.19	3304	.22	3502	.26	3694	.30	3876	.35
200	2111	.08	2390	.11	2656	.14	2894	.18	3111	.21	3309	.25	3495	.29	3676	.33	3847	.37		
250	2574	.15	2726	.17	2958	.21	3180	.25	3382	.29	3572	.33	3751	.38	3919	.42				
300	3046	.25	3143	.27	3295	.30	3486	.34	3679	.39	3858	.44								
350	3523	.38	3608	.40	3689	.43	3830	.47	3994	.52										

4" O.D. INLET

CA-9

Outlet Area (Sq. Ft.) 0.087

Wheel Diameter 9"

VOLUME CFM	SP (IN.) WG																			
	1.00		1.50		2.00		2.50		3.00		3.50		4.00		4.50		5.00		6.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
50	1514	.02	1854	.04	2143	.06	2451	.07	2749	.09	2996	.12	3233	.15	3462	.17	3683	.20	3895	.24
100	1564	.03	1876	.05	2151	.07	2396	.09	2624	.12	2833	.15	3027	.17	3210	.20	3382	.23	3542	.27
150	1710	.05	1986	.07	2232	.09	2455	.11	2662	.14	2863	.17	3050	.20	3226	.23	3392	.27	3548	.31
200	1894	.07	2152	.09	2379	.12	2584	.15	2772	.17	2956	.21	3129	.24	3291	.27	3444	.31	3592	.35
250	2108	.10	2341	.13	2553	.16	2749	.19	2930	.22	3100	.26	3259	.29	3409	.33	3559	.37	3709	.41
300	2351	.15	2553	.18	2749	.21	2930	.25	3104	.28	3267	.32	3420	.36	3568	.40	3709	.44	3843	.48
350	2640	.22	2793	.25	2965	.28	3134	.32	3296	.36	3447	.40	3597	.44	3740	.49	3875	.53		
400	2958	.31	3053	.34	3205	.37	3356	.41	3502	.45	3650	.50	3789	.54	3921	.59				
450	3280	.43	3368	.46	3453	.48	3597	.53	3733	.57	3861	.62	3994	.67						
500	3606	.58	3687	.61	3765	.64	3845	.67	3975	.72										
550	3935	.76																		

5" O.D. INLET

CA-10A

Outlet Area (Sq. Ft.) 0.136

Wheel Diameter 10.625"

VOLUME CFM	SP (IN.) WG																			
	1.00		2.00		3.00		4.00		5.00		6.00		7.00		8.00		9.00		10.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
100	1288	.04	1806	.10	2204	.17	2539	.25	2835	.33	3101	.43	3348	.53	3576	.64	3791	.76	3995	.88
200	1421	.07	1852	.13	2241	.21	2576	.31	2872	.41	3139	.53	3384	.64	3613	.77	3827	.90		
300	1667	.12	2050	.21	2362	.30	2648	.40	2909	.50	3176	.63	3421	.76	3650	.90	3865	1.05		
400	1983	.23	2296	.32	2595	.44	2843	.55	3076	.68	3299	.80	3509	.93	3705	1.05	3902	1.20		
500	2310	.38	2579	.49	2837	.61	3092	.76	3307	.89	3504	1.03	3697	1.19	3878	1.35				
600	2626	.58	2920	.75	3115	.85	3335	1.00	3554	1.17	3759	1.35	3935	1.51						
700	2958	.86	3244	1.06	3459	1.24	3622	1.35	3806	1.50	3995	1.69								
800	3295	1.20	3565	1.45	3796	1.68	3967	1.86												
900	3635	1.64	3885	1.91																

6" O.D. INLET

CA-12A

Outlet Area (Sq. Ft.) 0.196

Wheel Diameter 12.250"

VOLUME CFM	SP (IN.) WG																			
	2.00		3.00		4.00		5.00		6.00		7.00		8.00		9.00		10.00		12.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
100	1508	.08	1840	.14	2120	.21	2366	.28	2589	.37	2794	.45	2985	.55	3164	.65	3333	.75	3488	.98
200	1545	.11	1874	.18	2152	.26	2398	.35	2621	.44	2826	.54	3016	.65	3196	.76	3365	.88	3500	1.13
300	1625	.16	1927	.25	2192	.34	2437	.44	2658	.54	2861	.65	3050	.76	3228	.88	3397	1.01	3573	1.28
400	1768	.24	2033	.33	2272	.43	2499	.54	2705	.66	2902	.79	3091	.92	3268	1.05	3436	1.19	3592	1.48
500	1926	.35	2181	.46	2401	.57	2604	.68	2792	.80	2981	.95	3157	1.09	3322	1.24	3478	1.39	3620	1.55
600	2100	.49	2338	.62	2553	.76	2746	.89	2922	1.02	3092	1.16	3251	1.30	3409	1.45	3565	1.62	3700	1.97
700	2286	.67	2506	.81	2712	.97	2900	1.13	3073	1.28	3234	1.44	3385	1.59	3532	1.75	3673	1.91	3800	2.25
800	2458	.87	2696	1.07	2878	1.22	3060	1.40	3230	1.59	3388	1.77	3536	1.95	3676	2.12	3810	2.29		
900	2648	1.13	2872	1.36	3067	1.56	3228	1.72	3391	1.92	3546	2.13	3692	2.35	3830	2.55	3962	2.75		
1000	2856	1.47	3046	1.67	3250	1.94	3418	2.15	3563	2.33	3708	2.54	3852	2.78	3988	3.01				
1100	3068	1.87	3238	2.07	3421	2.34	3603	2.63	3753	2.86	3886	3.05								
1200	3282	2.34	3446	2.57	3597	2.79	3774	3.11	3938	3.43										
1300	3500	2.87	3656	3.14	3801	3.38	3948	3.65												
1400	3721	3.52	3870	3.79																
1500	3945	4.24																		

7" O.D. INLET

CA-14A

Outlet Area (Sq. Ft.) 0.196

Wheel Diameter 14"

VOLUME CFM	SP (IN.) WG																			
	2.00		4.00		6.00		8.00		10.00		12.00		14.00		16.00		18.00		20.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	1353	.10	1894	.22	2310	.36	2661	.53	2969	.71	3249	.90	3506	1.11	3745	1.32	3969	1.55		
400	1466	.22	1959	.41	2355	.60	2705	.82	3014	1.04	3293	1.27	3550	1.51	3789	1.76				
600	1670	.40	2104	.66	2461	.95	2789	1.23	3080	1.51	3342	1.79	3595	2.10	3834	2.43				
800	1925	.69	2308	1.03	2635	1.36	2932	1.74	3195	2.12	3453	2.50	3693	2.87	3918	3.25				
1000	2192	1.13	2555	1.51	2849	1.96	3121	2.37	3372	2.80	3609	3.27	3827	3.75						
1200	2494	1.74	2811	2.25	3097	2.67	3341	3.23	3578	3.72	3796	4.20								
1400	2823	2.62	3080	3.12	3352	3.69	3594	4.19	3808	4.84										
1600	3160	3.77	3370	4.23	3615	4.96	3850	5.55												
1800	3502	5.23	3695	5.76	3890	6.37														

7" O.D. INLET

NOTE: DRIVE LOSSES ARE NOT INCLUDED IN BHP.

CA SERIES BELT DRIVE RATING TABLES

Ratings at 70°F, .075 Density, Sea Level

CA-15A

Outlet Area (Sq. Ft.) 0.349

Wheel Diameter 15.5"

VOLUME CFM	SP (IN.) WG																			
	2.00		4.00		6.00		8.00		10.00		12.00		14.00		16.00		18.00		20.00	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
200	1200	.12	1690	.28	2066	.46	2383	.67	2662	.89	2916	1.14	3150	1.42	3368	1.73	3572	2.05	3765	2.39
400	1238	.20	1716	.44	2087	.70	2401	.98	2680	1.28	2933	1.59	3165	1.92	3381	2.26	3583	2.61	3776	2.97
600	1316	.32	1760	.61	2120	.93	2432	1.29	2708	1.67	2957	2.06	3186	2.47	3399	2.89	3601	3.32	3793	3.76
800	1445	.50	1840	.85	2179	1.23	2475	1.64	2741	2.06	2990	2.53	3219	3.01	3432	3.50	3632	4.01	3821	4.53
1000	1574	.74	1958	1.16	2262	1.59	2547	2.07	2799	2.56	3038	3.07	3258	3.60	3465	4.14	3665	4.72		
1200	1702	1.06	2087	1.56	2382	2.06	2632	2.57	2882	3.14	3110	3.72	3319	4.31	3520	4.91	3713	5.53		
1400	1857	1.48	2216	2.05	2511	2.64	2759	3.23	2979	3.82	3193	4.45	3402	5.12	3597	5.79	3780	6.47		
1600	2020	2.01	2343	2.65	2639	3.32	2889	4.00	3108	4.67	3306	5.34	3490	6.01	3680	6.76				
1800	2191	2.64	2486	3.39	2769	4.12	3017	4.89	3237	5.64	3435	6.40	3617	7.16	3787	7.90				
2000	2368	3.42	2642	4.29	2896	5.07	3148	5.90	3365	6.76	3564	7.60	3747	8.44						
2200	2550	4.37	2803	5.33	3041	6.21	3274	7.10	3495	8.00	3692	8.95								
2400	2736	5.49	2973	6.51	3197	7.52	3405	8.45	3622	9.45	3822	10.44								
2600	2923	6.78	3145	7.86	3356	9.02	3558	10.05	3750	11.07										
2800	3112	8.28	3323	9.44	3522	10.70	3714	11.86												

8" O.D. INLET

CA-18

Outlet Area (Sq. Ft.) 0.196

Wheel Diameter 18"

VOLUME CFM	SP (IN.) WG																				
	4.00		6.00		8.00		10.00		12.00		14.00		16.00		18.00		20.00		22.00		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
200	1438	.27	1758	.44	2029	.63	2268	.85	2483	1.09	2682	1.34	2866	1.60	3040	1.87	3204	2.16	3360	2.46	
400	1458	.43	1769	.67	2039	.94	2278	1.22	2493	1.51	2691	1.81	2875	2.13	3048	2.45	3212	2.78	3367	3.13	
600	1537	.64	1819	.95	2069	1.28	2299	1.63	2507	1.98	2702	2.36	2886	2.75	3059	3.16	3223	3.57	3379	4.00	
800	1689	.98	1923	1.31	2148	1.70	2356	2.11	2556	2.55	2739	2.99	2916	3.45	3083	3.91	3241	4.38	3392	4.86	
1000	1875	1.47	2087	1.86	2280	2.27	2458	2.70	2641	3.20	2811	3.70	2977	4.23	3137	4.77	3288	5.32	3432	5.88	
1200	2069	2.11	2273	2.60	2451	3.07	2615	3.54	2773	4.05	2921	4.56	3073	5.14	3222	5.74	3362	6.35	3500	6.97	
1400	2277	2.99	2465	3.52	2638	4.08	2794	4.63	2939	5.18	3078	5.74	3214	6.33	3343	6.93	3467	7.54			
1600	2495	4.11	2668	4.69	2830	5.30	2982	5.94	3123	6.58	3254	7.21	3379	7.83	3500	8.47					
1800	2730	5.56	2880	6.16	3031	6.81	3175	7.50	3312	8.23	3441	8.95	3562	9.66							
2000	2970	7.32	3103	7.95	3242	8.66	3376	9.39	3505	10.15											
2200	3213	9.44	3338	10.15	3457	10.84	3586	11.66													
2400	3459	11.96	3577	12.74																	

8" O.D. INLET

CA-18WA

Outlet Area (Sq. Ft.) 0.349

Wheel Diameter 18.5"

VOLUME CFM	SP (IN.) WG																				
	4.00		6.00		8.00		10.00		12.00		14.00		16.00		18.00		20.00		22.00		
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	
200	1374	.40	1686	.71	1949	1.07															
400	1393	.54	1696	.90	1952	1.29	2177	1.72	2381	2.19	2568	2.68	2748	3.23	2916	3.81	3076	4.41			
600	1421	.70	1719	1.12	1975	1.58	2200	2.08	2403	2.61	2591	3.17	2765	3.76	2928	4.36	3083	5.00	3230	5.65	
800	1491	.94	1763	1.40	1998	1.89	2223	2.46	2426	3.06	2613	3.68	2787	4.34	2951	5.01	3106	5.71	3253	6.44	
1000	1568	1.19	1834	1.76	2061	2.34	2265	2.92	2449	3.51	2636	4.21	2810	4.93	2974	5.68	3128	6.45	3275	7.24	
1200	1667	1.54	1911	2.14	2135	2.82	2333	3.53	2516	4.21	2685	4.90	2843	5.61	2997	6.37	3151	7.21	3298	8.07	
1400	1766	1.93	2006	2.63	2213	3.33	2409	4.12	2588	4.93	2754	5.75	2911	6.55	3058	7.35	3198	8.17	3331	9.00	
1600	1883	2.50	2107	3.20	2308	3.99	2488	4.78	2665	5.67	2829	6.58	2982	7.52	3127	8.46	3266	9.36	3399	10.28	
1800	2008	3.23	2205	3.82	2410	4.74	2586	5.62	2747	6.50	2907	7.47	3059	8.49	3203	9.52	3339	10.57	3468	11.64	
2000	2128	4.03	2332	4.81	2507	5.54	2688	6.57	2847	7.54	2995	8.51	3137	9.54	3280	10.65	3415	11.78	3544	12.93	
2200	2257	4.93	2456	5.91	2623	6.66	2786	7.56	2949	8.69	3096	9.76	3233	10.83	3362	11.90	3494	13.08			
2400	2388	5.96	2576	7.09	2752	8.07	2895	8.82	3047	9.88	3197	11.11	3334	12.29	3462	13.45	3585	14.62			
2600	2511	7.17	2703	8.39	2872	9.54	3023	10.51	3153	11.32	3295	12.50	3434	13.83	3564	15.13					
2800	2634	8.54	2833	9.83	2992	11.16	3148	12.34	3280	13.31	3401	14.17	3532	15.44							
3000	2760	10.09	2963	11.46	3120	12.89	3267	14.25	3408	15.50	3528	16.48									
3200	2888	11.83	3085	13.32	3250	14.80	3389	16.33	3527	17.71											
3400	3016	13.75	3208	15.38	3382	16.91	3518	18.55													
3600	3147	15.90	3333	17.64	3504	19.30															
3800	3278	18.25	3460	20.12																	
4000	3412	20.86	3589	22.87																	

10" O.D. INLET

NOTE: DRIVE LOSSES ARE NOT INCLUDED IN BHP.