

14 122

PERFORMANCE TABLES

Series **CMB 14** 1 hp
Series **14F**: 1.5 hp

Wheel Diameter: **12.25"**
Outlet Area: **.860 sq. Ft.**
Maximum RPM: **3590**
Tip Speed in FPM: **3.21 x RPM**

Other horsepower available through 5 hp

CFM	Outlet Velocity	1/4" SP		1/2" SP		3/4" SP		1" SP		1 1/4" SP		1 1/2" SP		1 3/4" SP		2" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
690	800	893	0.05	1051	0.08	1189	0.11										
776	900	961	0.06	1110	0.10	1240	0.13	1363	0.17								
863	1000	1026	0.08	1175	0.12	1299	0.15	1409	0.19	1521	0.24						
949	1100	1093	0.09	1242	0.14	1359	0.18	1467	0.22	1565	0.27	1668	0.31				
1035	1200	1161	0.11	1310	0.16	1423	0.21	1526	0.25	1623	0.30	1712	0.35	1807	0.40		
1121	1300	1232	0.13	1377	0.18	1489	0.23	1587	0.29	1682	0.34	1769	0.39	1851	0.44	1939	0.50
1208	1400	1312	0.15	1442	0.21	1556	0.27	1652	0.32	1742	0.38	1828	0.43	1909	0.49	1985	0.54
1294	1500	1393	0.18	1508	0.24	1625	0.30	1719	0.36	1805	0.42	1888	0.48	1967	0.54	2043	0.60
1380	1600	1474	0.21	1575	0.27	1691	0.34	1786	0.40	1870	0.47	1949	0.53	2027	0.59	2101	0.65
1467	1700	1556	0.25	1643	0.31	1756	0.38	1854	0.45	1937	0.52	2014	0.58	2087	0.65	2161	0.71
1553	1800	1639	0.29	1712	0.35	1822	0.42	1922	0.50	2004	0.57	2080	0.64	2152	0.71	2221	0.78
1639	1900	1722	0.34	1792	0.39	1889	0.47	1987	0.55	2073	0.63	2147	0.70	2218	0.78	2285	0.85
1726	2000			1872	0.45	1957	0.52	2052	0.61	2141	0.69	2215	0.77	2284	0.85	2350	0.92
1898	2200			2034	0.56	2094	0.63	2185	0.73	2271	0.82	2351	0.92	2419	1.00	2483	1.09
2071	2400			2198	0.70	2253	0.78	2321	0.86	2403	0.97	2481	1.07	2555	1.18	2619	1.27
2243	2600			2363	0.87	2414	0.95	2464	1.03	2538	1.13	2613	1.24	2685	1.36	2754	1.47
2416	2800					2577	1.14	2625	1.23	2675	1.32	2748	1.44	2817	1.56	2884	1.68
2589	3000					2741	1.37	2786	1.46	2830	1.55	2884	1.66	2951	1.78	3016	1.91
2761	3200					2907	1.62	2949	1.71	2990	1.81	3031	1.91	3088	2.03	3150	2.17
2934	3400					3072	1.90	3113	2.00	3152	2.11	3191	2.21	3228	2.31	3286	2.45

CFM = Cubic Feet/Minute SP = Static Pressure RPM = Revolutions / Minute BHP = Brake Horsepower

CFM	Outlet Velocity	2 1/2" SP		3" SP		3 1/2" SP		4" SP		4 1/2" SP		5" SP		5 1/2" SP		6" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
690	800																
776	900																
863	1000																
949	1100																
1035	1200																
1121	1300																
1208	1400																
1294	1500	2188	0.72														
1380	1600	2239	0.78	2378	0.92												
1467	1700	2297	0.85	2423	0.99	2557	1.13										
1553	1800	2356	0.92	2480	1.06	2599	1.21	2726	1.37								
1639	1900	2415	1.00	2538	1.15	2633	1.30	2769	1.46	2888	1.63	3001	1.79				
1726	2000	2475	1.08	2597	1.24	2711	1.40	2819	1.56	2930	1.73	3043	1.90	3150	2.08		
1898	2200	2604	1.26	2717	1.43	2829	1.60	2934	1.77	3035	1.95	3131	2.13	3234	2.32	3337	2.51
2071	2400	2736	1.46	2846	1.64	2949	1.83	3053	2.02	3152	2.21	3246	2.40	3337	2.59	3424	2.78
2243	2600	2871	1.68	2978	1.88	3079	2.08	3175	2.28	3271	2.49	3364	2.69	3453	2.89	3539	3.10
2416	2800	3009	1.93	3113	2.14	3211	2.35	3305	2.57	3395	2.79	3484	3.01	3571	3.23		
2589	3000	3139	2.18	3250	2.43	3346	2.66	3437	2.89	3525	3.12						
2761	3200	3270	2.45	3383	2.73	3482	2.99	3572	3.23								
2934	3400	3403	2.75	3513	3.04												

Performances shown are for installation type D (Ducted inlet, Ducted outlet). Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream.