

PERFORMANCE TABLES

Series **CMB 30**: 3 hp
 Series **30F**: 5hp

Wheel Diameter: **18.25"**
 Outlet Area: **1.920 sq. Ft.**
 Maximum RPM: **2400**
 Tip Speed in FPM: **4.78 x RPM**

Other horsepower available through 10 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
1552	800	542	0.102	658	0.173	762	0.251										
1746	900	582	0.124	685	0.203	784	0.286	876	0.378								
1940	1000	625	0.151	719	0.237	811	0.327	895	0.420	979	0.525						
2134	1100	670	0.183	755	0.275	738	0.373	922	0.473	996	0.575	1073	0.693				
2328	1200	715	0.220	792	0.317	872	0.422	949	0.530	1023	0.640	1090	0.753	1161	0.881		
2522	1300	762	0.262	834	0.366	908	0.477	977	0.593	1049	0.710	1116	0.830	1178	0.952	1244	1.089
2716	1400	812	0.312	878	0.420	944	0.537	1012	0.660	1077	0.786	1143	0.913	1205	1.042	1262	1.173
2910	1500	861	0.368	922	0.481	982	0.603	1048	0.733	1109	0.866	1170	1.002	1231	1.138	1289	1.276
3104	1600	911	0.431	967	0.549	1025	0.678	1084	0.813	1144	0.953	1199	1.096	1258	1.241	1315	1.386
3298	1700	962	0.501	1013	0.624	1069	0.759	1121	0.899	1180	1.046	1234	1.197	1286	1.350	1342	1.503
3492	1800	1012	0.580	1059	0.707	1113	0.849	1163	0.995	1216	1.147	1270	1.304	1321	1.464	1370	1.627
3686	1900	1063	0.667	1108	0.801	1158	0.946	1207	1.099	1253	1.256	1306	1.420	1356	1.587	1403	1.757
3880	2000			1158	0.903	1203	1.053	1251	1.212	1295	1.375	1343	1.544	1392	1.718	1439	1.894
4268	2200			1257	1.136	1295	1.293	1340	1.465	1382	1.642	1423	1.821	1465	2.006	1511	2.196
4656	2400			1358	1.411	1393	1.581	1431	1.758	1471	1.948	1510	2.141	1547	2.337	1584	2.537
5044	2600			1459	1.731	1493	1.913	1525	2.099	1561	2.298	1598	2.504	1634	2.713	1669	2.925
5432	2800			1561	2.100	1593	2.295	1623	2.493	1653	2.695	1689	2.915	1723	3.137	1756	3.362
5820	3000					1694	2.730	1722	2.941	1750	3.154	1780	3.376	1813	3.611	1845	3.850
6208	3200					1795	3.221	1823	3.445	1849	3.671	1875	3.899	1904	4.140	1935	4.392
6596	3400					1897	3.772	1923	4.009	1949	4.248	1973	4.489	1998	4.732	2026	4.992

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
1552	800																
1746	900																
1940	1000																
2134	1100																
2328	1200																
2522	1300																
2716	1400	1382	1.471														
2910	1500	1398	1.567	1508	1.896												
3104	1600	1420	1.683	1524	2.010												
3298	1700	1447	1.815	1542	2.133	1642	2.495										
3492	1800	1474	1.953	1568	2.286	1658	2.630	1753	3.022								
3686	1900	1501	2.100	1595	2.447	1683	2.801	1769	3.176	1857	3.590						
3880	2000	1528	2.254	1622	2.616	1709	2.894	1791	3.358	1873	3.763	1957	4.199				
4268	2200	1596	2.584	1676	2.980	1762	3.378	1843	3.781	1920	4.189	1992	4.602	2069	5.541	2146	5.541
4656	2400	1667	2.952	1744	3.376	1817	3.809	1897	4.242	1973	4.679	2045	5.122	2114	6.020	2180	6.020
5044	2600	1740	3.681	1816	3.813	1887	4.273	1954	4.741	2027	5.210	2099	5.682	2167	6.639	2233	6.639
5432	2800	1819	3.820	1889	4.295	1958	4.782	2024	5.277	2087	5.780	2153	6.286	2221	7.302	2286	7.302
5820	3000	1906	4.334	1964	4.827	2031	5.341	2096	5.863	2158	6.393	2217	6.930	2276	8.013	2340	8.013
6208	3200	1994	4.902	2050	5.422	2105	5.952	2169	6.502	2229	7.058	2288	7.622	2344	8.770	2399	8.770
6596	3400	2083	5.529	2138	6.075	2190	6.630	2242	7.196	2302	7.780	2360	8.371				

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.