

20 135

PERFORMANCE TABLES

Wheel Diameter: **13.5"**
 Outlet Area: **1.050 sq. Ft.**
 Maximum RPM: **3260**
 Tip Speed in FPM: **3.53 x RPM**

Series **CMB 20**: 1.5 hp
 Series **20F**: 2 hp

Other horsepower available through 5 hp

CFM	Outlet Velocity	1/4" SP RPM BHP	1/2" SP RPM BHP	3/4" SP RPM BHP	1" SP RPM BHP	1 1/4" SP RPM BHP	1 1/2" SP RPM BHP	1 3/4" SP RPM BHP	2" SP RPM BHP
840	800	756 0.056	919 0.093	1055 0.135					
945	900	815 0.069	951 0.109	1097 0.155	1209 0.203				
1050	1000	876 0.084	996 0.128	1132 0.176	1249 0.228	1350 0.281			
1155	1100	938 0.101	1051 0.150	1164 0.199	1290 0.256	1388 0.313	1480 0.371		
1260	1200	1002 0.122	1109 0.175	1207 0.227	1320 0.284	1432 0.347	1519 0.409	1603 0.473	
1365	1300	1066 0.146	1169 0.202	1260 0.259	1356 0.317	1464 0.382	1564 0.451	1642 0.518	1720 0.587
1470	1400	1132 0.173	1230 0.233	1317 0.294	1401 0.355	1496 0.420	1596 0.492	1687 0.566	1760 0.638
1575	1500	1198 0.204	1293 0.266	1377 0.333	1454 0.398	1535 0.464	1627 0.536	1720 0.614	1806 0.693
1680	1600	1265 0.238	1355 0.304	1436 0.375	1511 0.445	1584 0.514	1663 0.586	1750 0.665	1838 0.748
1785	1700	1332 0.276	1419 0.346	1498 0.420	1570 0.496	1639 0.569	1709 0.643	1786 0.722	1868 0.806
1890	1800	1401 0.318	1483 0.393	1560 0.470	1630 0.550	1696 0.629	1760 0.706	1828 0.786	1903 0.870
1995	1900	1471 0.365	1548 0.444	1622 0.524	1690 0.608	1755 0.692	1817 0.775	1878 0.856	1943 0.941
2100	2000		1614 0.501	1685 0.583	1753 0.671	1815 0.760	1875 0.847	1933 0.933	1991 1.02
2310	2200		1747 0.629	1814 0.719	1877 0.811	1937 0.909	1993 1.00	2048 1.10	2102 1.19
2520	2400		1881 0.776	1944 0.877	2004 0.976	2062 1.07	2116 1.18	2167 1.29	2218 1.39
2730	2600			2077 1.06	2132 1.16	2187 1.27	2241 1.38	2290 1.50	2337 1.61
2940	2800			2209 1.26	2263 1.38	2316 1.49	2365 1.61	2415 1.73	2461 1.86
3150	3000			2345 1.50	2397 1.62	2444 1.75	2494 1.87	2539 2.00	2586 2.13
3360	3200			2485 1.76	2529 1.90	2577 2.03	2622 2.16	2668 2.29	2710 2.43
3570	3400			2625 2.06	2664 2.20	2710 2.35	2753 2.49	2795 2.63	2838 2.77

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

CFM	Outlet Velocity	2 1/2" SP RPM BHP	3" SP RPM BHP	3 1/2" SP RPM BHP	4" SP RPM BHP	4 1/2" SP RPM BHP	5" SP RPM BHP	5 1/2" SP RPM BHP	6" SP RPM BHP
840	800								
945	900								
1050	1000								
1155	1100								
1260	1200								
1365	1300								
1470	1400								
1575	1500	1941 0.849							
1680	1600	1983 0.915	2109 1.08						
1785	1700	2026 0.984	2149 1.16	2268 1.34					
1890	1800	2058 1.05	2194 1.24	2306 1.42	2418 1.62				
1995	1900	2088 1.12	2232 1.32	2349 1.52	2456 1.72	2562 1.92			
2100	2000	2123 1.20	2264 1.40	2394 1.62	2497 1.82	2599 2.03	2699 2.25	2814 2.47	
2310	2200	2208 1.38	2329 1.59	2457 1.81	2579 2.04	2684 2.27	2777 2.50	2869 2.73	2960 2.97
2520	2400	2315 1.60	2414 1.81	2524 2.03	2641 2.27	2757 2.52	2864 2.77	2953 3.02	3038 3.27
2730	2600	2431 1.84	2520 2.07	2612 2.29	2711 2.53	2819 2.78	2928 3.05	3031 3.33	3128 3.60
2940	2800	2549 2.10	2634 2.35	2717 2.59	2802 2.83	2893 3.09	2992 3.36	3092 3.64	3193 3.93
3150	3000	2670 2.39	2753 2.66	2831 2.92	2908 3.18	2987 3.44	3071 3.71	3161 3.99	3254 4.28
3360	3200	2795 2.71	2872 2.99	2949 3.28	3023 3.55	3095 3.83	3168 4.11	3245 4.39	
3570	3400	2919 3.06	2996 3.36	3068 3.66	3141 3.96	3210 4.26			

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.