

# 32 200

## PERFORMANCE TABLES

Series **CMB-32**: 5 hp

Other horsepower available through 10 hp

Wheel Diameter: **20"**  
 Outlet Area: **2.300 sq. Ft.**  
 Maximum RPM: **2200**  
 Tip Speed in FPM: **5.24 x RPM**

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
2070	900	535	0.138	644	0.231	726	0.320										
2300	1000	574	0.169	675	0.270	756	0.369	826	0.468								
2530	1100	615	0.204	700	0.307	788	0.424	857	0.532	919	0.640						
2760	1200	658	0.244	731	0.353	819	0.482	887	0.600	949	0.719	1005	0.837				
2900	1300	702	0.292	767	0.407	845	0.537	919	0.675	979	0.802	1035	0.931	1087	1.05		
3220	1400	747	0.346	806	0.468	872	0.599	950	0.754	1011	0.893	1065	1.03	1117	1.16	1165	1.30
3450	1500	792	0.406	847	0.535	905	0.672	976	0.826	1042	0.989	1097	1.13	1147	1.28	1195	1.43
3680	1600	837	0.473	889	0.610	942	0.754	1003	0.907	1072	1.08	1158	1.25	1178	1.40	1225	1.56
3910	1700	882	0.549	932	0.693	981	0.845	1034	1.00	1096	1.17	1159	1.36	1210	1.53	1256	1.70
4140	1800			976	0.786	1022	0.944	1070	1.10	1124	1.28	1186	1.47	1241	1.67	1288	1.85
4370	1900			1021	0.889	1064	1.05	1108	1.22	1156	1.39	1211	1.58	1270	1.80	1319	2.00
4600	2000			1065	1.00	1106	1.16	1148	1.34	1191	1.53	1240	1.72	1294	1.93	1349	2.16
5060	2200			1155	1.25	1194	1.43	1231	1.62	1269	1.82	1308	2.02	1352	2.23	1400	2.45
5520	2400			1245	1.54	1282	1.75	1316	1.95	1351	2.16	1386	2.38	1422	2.59	1461	2.82
5980	2600					1372	2.11	1405	2.33	1436	2.55	1468	2.78	1500	3.01	1533	3.25
6440	2800					1462	2.52	1493	2.76	1523	2.99	1552	3.23	1582	3.48	1612	3.74
6900	3000					1553	2.98	1583	3.24	1612	3.50	1639	3.75	1666	4.01	169*4	4.28
7360	3200							1673	3.78	1701	4.06	1727	4.33	1752	4.60	1778	4.87
7820	3400							1764	4.39	1791	4.68	1816	4.98	1841	5.26	1864	5.54

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
2070	900																
2300	1000																
2530	1100																
2760	1200																
2900	1300																
3220	1400																
3450	1500	1285	1.73														
3680	1600	1312	1.87														
3910	1700	1342	2.03	1422	2.37												
4140	1800	1373	2.20	1452	2.55	1527	2.91										
4370	1900	1404	2.37	1482	2.75	1555	3.12	1626	3.51	1699	3.98						
4600	2000	1436	2.56	1513	2.95	1585	3.34	1653	3.74	1721	4.15	1789	4.65	1859	5.15	1926	5.63
5060	2200	1498	2.95	1576	3.38	1646	3.82	1713	4.25	1777	4.68	1838	5.12	1900	5.58	1963	6.14
5520	2400	1549	3.31	1638	3.85	1709	4.33	1775	4.80	1837	5.27	1897	5.74	1954	6.21	2010	6.69
5980	2600	1606	3.74	1690	4.29	1771	4.88	1838	5.40	1900	5.90	1958	6.41	2015	6.93	2070	7.44
6440	2800	1674	4.24	1745	4.78	1824	5.39	1900	6.03	1963	6.59	2021	7.14	2077	7.68	2130	8.23
6900	3000	1750	4.82	1810	5.37	1878	5.95	1951	6.60	2024	7.30	2084	7.91	2140	8.50	2193	9.08
7360	3200	1831	5.45	1884	6.03	1941	6.62	2005	7.25	2074	7.94	2144	8.69				
7820	3400	1931	6.14	1963	6.76	2031	7.37	2068	8.01	2128	8.67	2193	9.39				

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.