

# 35 222

## PERFORMANCE TABLES

Series **CMB-35**: 7.5hp

Wheel Diameter: **22.25"**  
 Outlet Area: **2.840 sq. Ft.**  
 Maximum RPM: **1980**  
 Tip Speed in FPM: **5.83 x RPM**

Other horsepower available through 15 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
2565	900	481	0.171	579	0.287	653	0.396										
2850	1000	516	0.209	606	0.335	680	0.458	743	0.579								
3135	1100	553	0.252	629	0.381	708	0.525	770	0.659	826	0.793						
3420	1200	592	0.303	657	0.437	736	0.598	798	0.744	853	0.890						
3705	1300	631	0.361	689	0.504	760	0.666	826	0.837	880	0.994	903	1.03			977	1.31
3990	1400	671	0.428	725	0.580	784	0.742	854	0.934	908	1.10	957	1.27	1004	1.44	1047	1.61
4275	1500	712	0.503	761	0.663	814	0.832	877	1.02	937	1.22	986	1.40	1031	1.59	1074	1.77
4560	1600	752	0.586	799	0.756	847	0.934	901	1.12	964	1.34	1014	1.54	1059	1.74	1101	1.93
4845	1700	793	0.680	838	0.859	882	1.04	930	1.24	985	1.45	1042	1.69	1087	1.90	1129	2.10
5130	1800			877	0.975	919	1.17	961	1.37	1010	1.58	1066	1.83	1115	2.07	1157	2.29
5415	1900			918	1.10	956	1.30	996	1.51	1039	1.73	1088	1.96	1142	2.24	1186	2.48
5700	2000			957	1.24	994	1.44	1032	1.67	1071	1.89	1115	2.13	1164	2.39	1213	2.68
6270	2200			1038	1.55	1073	1.78	1106	2.01	1141	2.26	1176	2.51	1215	2.76	1258	3.04
6840	2400			1119	1.91	1153	2.17	1183	2.42	1214	2.68	1246	2.95	1278	3.22	1313	3.49
7410	2600					1233	2.61	1263	2.89	1290	3.16	1319	3.45	1348	3.74	1378	4.03
7980	2800					1314	3.12	1342	3.42	1369	3.71	1395	4.01	1422	4.32	1449	4.63
8550	3000					1396	3.70	1423	4.02	1449	4.34	1473	4.65	1498	4.97	1523	5.30
9120	3200							1504	4.69	1529	5.03	1553	5.37	1575	5.70	1598	6.04
9690	3400							1585	5.44	1610	5.80	1633	6.17	1655	6.52	1675	6.87

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
2565	900																
2850	1000																
3135	1100																
3420	1200																
3705	1300																
3990	1400																
4275	1500																
4560	1600																
4845	1700																
5130	1800																
5415	1900																
5700	2000																
6270	2200																
6840	2400																
7410	2600																
7980	2800																
8550	3000																
9120	3200																
9690	3400																

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.