



SUPPLY FAN PERFORMANCE AND MOTOR SELECTION GUIDE

(Intersect CFM with external static pressure to determine fan h.p.)

CFM	OUTLET VEL. FPM		0.5 ESP	1.0 ESP	1.5 ESP	2.0 ESP	2.5 ESP	3.0 ESP	3.5 ESP
2500	1592	RPM	1530	1646	1745	1862	1965	2065	N/A
		BHP	1.18	1.45	1.74	2.04	2.35	2.68	
		hp	1.5	2	3	3	3	5	
2750	1752	RPM	1636	1745	1848	1947	2043	2137	2229
		BHP	1.45	1.74	2.04	2.36	2.69	3.04	3.4
		hp	2	3	3	3	5	5	5
3000	1911	RPM	1739	1841	1940	2033	2123	2211	2298
		BHP	1.75	2.06	2.38	2.72	3.06	3.42	3.8
		hp	3	3	5	5	5	5	5
3250	2070	RPM	1851	1948	2040	2129	2215	2298	N/A
		BHP	2.12	2.45	2.79	3.14	3.51	3.88	
		hp	3	3	5	5	5	5	
3500	2229	RPM	1969	2060	2148	2232	2314	N/A	N/A
		BHP	2.56	2.91	3.27	3.64	4.03		
		hp	3	5	5	5	5		

EXHAUST FAN PERFORMANCE AND MOTOR SELECTION GUIDE

(Intersect CFM with external static pressure to determine fan h.p.)

CFM	OUTLET VEL. FPM		0.5 ESP	1.0 ESP	1.5 ESP	2.0 ESP	2.5 ESP	3.0 ESP	3.5 ESP
2500	1592	RPM	1386	1513	1630	1741	1847	1951	2051
		BHP	0.89	1.15	1.41	1.69	1.99	2.31	2.64
		hp	1.5	2	2	2	3	3	5
2750	1752	RPM	1467	1588	1700	1806	1906	2003	2098
		BHP	1.06	1.34	1.62	1.92	2.23	2.55	2.89
		hp	1.5	2	2	3	3	3	5
3000	1911	RPM	1560	1674	1780	1881	1977	2069	2159
		BHP	1.28	1.57	1.87	2.19	2.51	2.85	3.21
		hp	1.5	2	3	3	3	5	5
3250	2070	RPM	1661	1770	1871	1966	2058	2147	2232
		BHP	1.55	1.87	2.19	2.51	2.86	3.22	3.58
		hp	2	3	3	3	5	5	5
3500	2229	RPM	1750	1853	1950	2042	2130	2216	2298
		BHP	1.81	2.15	2.49	2.84	3.19	3.57	3.95
		hp	3	3	3	5	5	5	5

FAN MOTOR AMP DRAW CHART

hp	208	240	480
1-1/2	4.5	4.4	2.2
2	6.0	5.9	3.0
3	8.6	8.4	4.2
5	14.0	12.7	6.4

WHEEL MOTOR AMP DRAW CHART

	208	240	480
1/4 hp	1.0	1.0	0.5

ACCESSORIES AMP DRAW CHART

	208	240	480
Enthalpy Wheel Rotation Detection	0.20	0.20	0.10
Damper Motor (ea.)	0.75	0.75	0.50
Radiant Defrost Heater Pkg. (ea.)	4.57	3.95	1.97
Temperature Sensor (ea.)	0.50	0.50	0.25
Lights and Receptical	12.00	12.00	6.00
Variable Frequency Drive for Fan (ea.)	0.50	0.50	0.25

Performance numbers are based on optimum conditions. Consult factory for precise performance.