



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
18000	1933	RPM	696	736	776	815	853	891	N/A
		BHP	10.36	12.01	13.74	15.5	17.29	19.15	
		hp	15	15	20	20	20	25	
19000	2041	RPM	722	761	799	836	872	N/A	N/A
		BHP	11.62	13.38	15.18	17	18.83		
		hp	15	20	20	20	25		
20000	2148	RPM	750	787	823	859	894	N/A	N/A
		BHP	13.07	14.89	16.74	18.67	20.61		
		hp	20	20	20	25	25		
21000	2256	RPM	785	820	854	888	N/A	N/A	N/A
		BHP	15	16.89	18.8	20.78			
		hp	20	20	25	25			
22000	2363	RPM	813	847	880	N/A	N/A	N/A	N/A
		BHP	16.71	18.7	20.7				
		hp	20	25	25				

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
18000	1933	RPM	628	670	711	751	791	829	867
		BHP	7.77	9.34	10.97	12.64	14.41	16.15	17.96
		hp	10	15	15	15	20	20	25
19000	2041	RPM	650	690	729	768	806	843	879
		BHP	8.63	10.25	11.93	13.71	15.52	17.36	19.2
		hp	10	15	15	20	20	20	25
20000	2148	RPM	676	714	752	789	825	861	896
		BHP	9.71	11.39	13.17	15	16.85	18.79	20.73
		hp	15	15	20	20	20	25	25
21000	2256	RPM	701	737	773	808	843	878	N/A
		BHP	10.83	12.56	14.37	16.23	18.17	20.2	
		hp	15	15	20	20	25	25	
22000	2363	RPM	727	762	796	830	864	897	N/A
		BHP	12.07	13.9	15.75	17.69	19.72	21.77	
		hp	15	20	20	20	25	25	

FAN MOTOR AMP DRAW CHART

hp	208	240	480
10	27.3	24.7	12.3
15	41.0	38.0	19.0
20	54.0	50.0	24.9
25	66.0	60.0	30.0

WHEEL MOTOR AMP DRAW CHART

	208	240	480
1/2 hp	1.8	1.8	0.9

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.