



9620-TRC

18,000 to 22,000 CFM

July, 2011

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 BHP hp	779 13.87 20	818 15.64 20	856 17.43 25	894 19.3 25	N/A	N/A	N/A
19000	2041	RPM BHP hp	813 15.86 20	850 17.71 25	886 19.56 30	N/A	N/A	N/A	N/A
20000	2148	RPM BHP hp	841 17.7 25	877 19.67 25	N/A	N/A	N/A	N/A	N/A
21000	2256	RPM BHP hp	875 20.01 25	N/A	N/A	N/A	N/A	N/A	N/A
22000	2363	RPM BHP hp	906 22.33 30	N/A	N/A	N/A	N/A	N/A	N/A

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

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

	208	240	480
1/2 hp	1.8	1.8	0.9

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

	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
TRICOIL Pump Motor	NA	3.60	1.80
Hot Water Modulating Ball-Valve	0.20	0.20	0.10
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
Variable Frequency Drive for TRICOIL	0.25	0.25	0.15

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