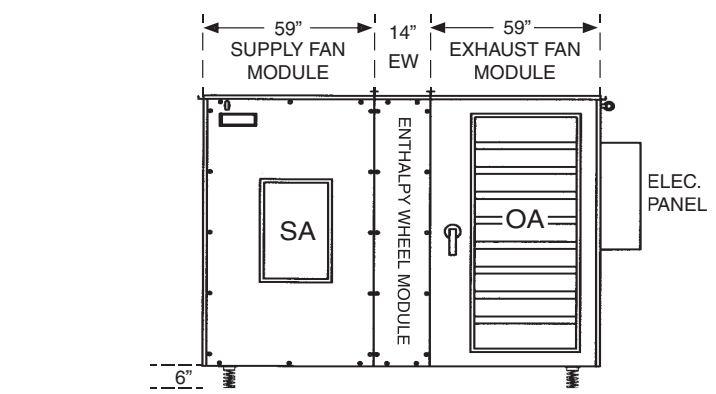
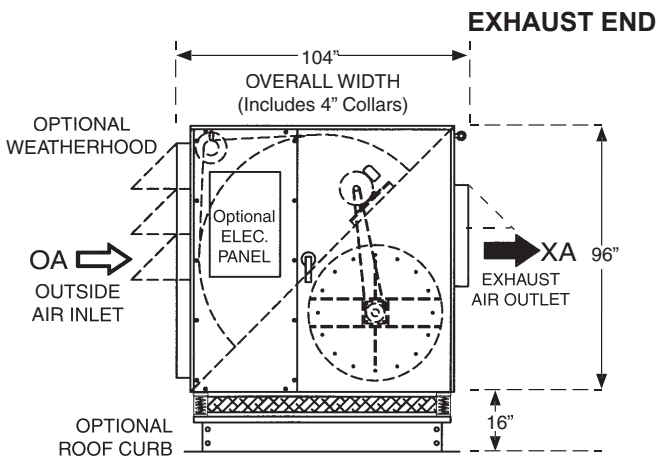


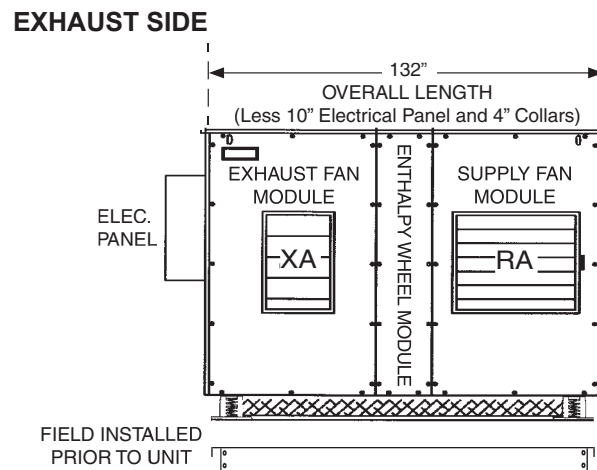
SUPPLY END



SUPPLY SIDE



EXHAUST END



EXHAUST SIDE

8815-ERV

14,000 to 16,000 CFM

March, 2003

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
14000	2236	RPM	867	914	960	1004	1047	1088	1129
		BHP	7.05	8.21	9.43	10.66	11.93	13.21	14.58
		hp	10	10	15	15	15	20	20
14500	2316	RPM	893	939	984	1027	1068	1109	N/A
		BHP	7.7	8.91	10.18	11.45	12.72	14.07	
		hp	10	15	15	15	15	20	
15000	2396	RPM	917	962	1006	1048	1088	1128	N/A
		BHP	8.34	9.6	10.9	12.21	13.52	14.89	
		hp	10	15	15	15	20	20	
15500	2476	RPM	940	984	1026	1067	1107	N/A	N/A
		BHP	8.98	10.28	11.59	12.94	14.31		
		hp	15	15	15	15	20		
16000	2556	RPM	962	1005	1046	N/A	1126	N/A	NA
		BHP	9.63	10.97	12.31		15.12		
		hp	15	15	15		20		

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
14000	2236	RPM	843	892	938	983	1026	1069	1110
		BHP	6.48	7.66	8.84	10.06	11.3	12.61	13.94
		hp	7.5	10	15	15	15	15	20
14500	2316	RPM	870	917	963	1006	1048	1089	1130
		BHP	7.12	8.33	9.58	10.82	12.09	13.4	14.79
		hp	10	10	15	15	15	20	20
15000	2396	RPM	896	942	986	1028	1070	1110	N/A
		BHP	7.78	9.03	10.3	11.58	12.92	14.26	
		hp	10	15	15	15	15	20	
15500	2476	RPM	917	962	1005	1047	1087	1126	N/A
		BHP	8.33	9.63	10.93	12.27	13.61	14.98	
		hp	10	15	15	15	20	20	
16000	2556	RPM	940	984	1026	1067	1106	N/A	NA
		BHP	8.97	10.3	11.64	13.02	14.39		
		hp	15	15	15	15	20		

FAN MOTOR AMP DRAW CHART

hp	208	240	480
7-1/2	21.0	19.0	9.5
10	27.3	24.7	12.3
15	41.0	38.0	19.0
20	54.0	50.0	24.9

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.

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