



ROOFTOP UNIT



Energy recovery core is AHRI Certified®



ENERGY RECOVERY VENTILATOR



SPECIFICATIONS

Ventilation Type: Static plate, heat and humidity transfer

Typical Airflow Range: 2,000–8,800 CFM

AHRI 1060 Certified Core: Six L125-G5

Standard Features:

TEFC Premium efficiency motors
Motor starters
Non-fused disconnect
24VAC transformer/relay package
Cross-core differential pressure ports
Independent blower control

Filters: Total qty. 12, MERV 8: 20" x 25" x 2"

Unit Weight:

Modular (per module) 1,311–1,806 lbs., varies by option(s)

Assembled (1-piece) 2,631–3,453 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

Modular (2-modules) 80" L x 90" W x 78" H

Module 1: 1,986 lbs., Module 2: 1,917 lbs.

Assembled (1-piece) 200" L x 90" W x 78" H; 3,812 lbs.

Motor(s):

Qty. 2, Belt drive blower/standard motor packages
with choice of adjustable sheaves (see table below)

Options:

Spring vibration isolators
Ultra premium efficiency (IE5+) motors with variable frequency drives (VFDs): both airstreams
Onboard VFDs: both airstreams
Shaft grounding ring on motors with VFDs
Fused disconnect
Integrated programmable controls: enhanced, premium
Class 1 low leakage motorized isolation dampers: FA, EA or both airstreams
Factory mounted filter alarms: both airstreams
Double wall construction
Exterior paint - white, custom colors

Accessories:

Filters: MERV 13, 2" (shipped loose)
Automatic balancing damper: 4", 5", 6"
Roof curb: standard 14"
Curb wind clip
Engineered combo curb for Carrier RTU
Engineered combo curb for Trane RTU
Digital time clock: wall mount (TC7D-W), in exterior enclosure (TC7D-E)
Carbon dioxide sensor/control: wall mount (CO2-W), duct mount (CO2-D)
IAQ sensor: wall mount (IAQ-W), duct mount (IAQ-D)
Motion occupancy sensor/control: ceiling mount (MC-C), wall mount (MC-W)
Smoke Detector: duct mount (SD-D)
BACnet fan control: wall mount (BACNETFC-W)
Indoor electric duct heater: EK series (1–175 kW);
Indirect gas-fired duct furnace: GH series (50–400 MBH);
Installed downstream of any fans

AIRFLOW PERFORMANCE

Airflow CFM		External Static Pressure (in.w.g.)																			
		0.00		0.25		0.50		0.75		1.00		1.25		1.50		1.75		2.00			
		BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM		
								3 HP LOW SPEED				3 HP MED SPEED		3 HP HIGH SPEED							
2500								1.1	710	1.3	790	1.6	870	1.8	930	2.1	1000	2.4	1050		
3000								1.0	640	1.3	730	1.5	810	1.8	880	2.0	950	2.3	1010	2.6	1070
3500								1.2	660	1.4	750	1.7	830	2.0	900	2.3	960	2.6	1020	2.9	1080
4000								1.4	680	1.6	770	1.9	840	2.2	910	2.5	980	2.9	1040	3.2	1100
4500								1.6	710	1.9	790	2.2	860	2.5	930	2.8	990	3.2	1050	3.5	1110
5000								1.6	670	1.9	740	2.1	810	2.5	880	2.8	940	3.1	1000	3.9	1120
5500	3 HP LOW SPEED	1.6	640	1.9	710	2.2	770	2.5	840	2.8	900	3.1	960	3.5	1020	3.8	1080	4.2	1130	5 HP HIGH SPEED	
6000		2.0	690	2.2	750	2.5	810	2.8	870	3.1	920	3.5	980	3.9	1040	4.2	1090	4.6	1150		
6500		2.4	740	2.6	790	2.9	850	3.2	900	3.6	950	3.9	1000	4.3	1060	4.7	1110	5.1	1160		7.5 HP MED
7000		2.8	790	3.1	830	3.4	880	3.7	930	4.0	980	4.4	1030	4.8	1080	5.2	1130	5.6	1170		7.5 HP HIGH SPEED
7500	5 HP LOW SPEED	3.3	830	3.6	880	3.9	920	4.2	970	4.6	1010	4.9	1050	5.3	1100	5.7	1140	6.1	1190		
8000	3.9	880	4.2	920	4.5	960	4.8	1000	5.1	1040	5.5	1080	5.9	1120	6.3	1160	6.7	1200			
8500	5 HP MED SPEED	4.5	930	4.8	960	5.1	1000	5.4	1030	5.8	1070	6.1	1100	6.5	1140	6.9	1180	7.3	1210		
9000	7.5 HP LOW SPEED	5.2	970	5.5	1000	5.8	1030	6.1	1060	6.4	1100	6.8	1130	7.1	1160	7.5	1190	7.9	1220	10 HP HIGH SPEED	
9500		5.9	1010	6.2	1040	6.5	1060	6.8	1090	7.1	1120	7.5	1150	7.8	1180	8.2	1210	8.5	1230		
10000		6.7	1040	7.0	1070	7.3	1090	7.6	1120	7.9	1140	8.2	1170	8.5	1190	8.9	1220	9.2	1240		
10500	7.5 HP MED SPEED	7.5	1080	7.8	1100	8.1	1120	8.4	1140	8.7	1160	9.0	1190	9.3	1210	9.6	1230	10.0	1250		
11000		8.4	1100	8.6	1120	8.9	1140	9.2	1160	9.5	1180	9.8	1200								
	10 HP MED SPEED									10 HP HIGH SPEED											

Note: Airflow performance includes effect of clean, standard filter supplied with unit.





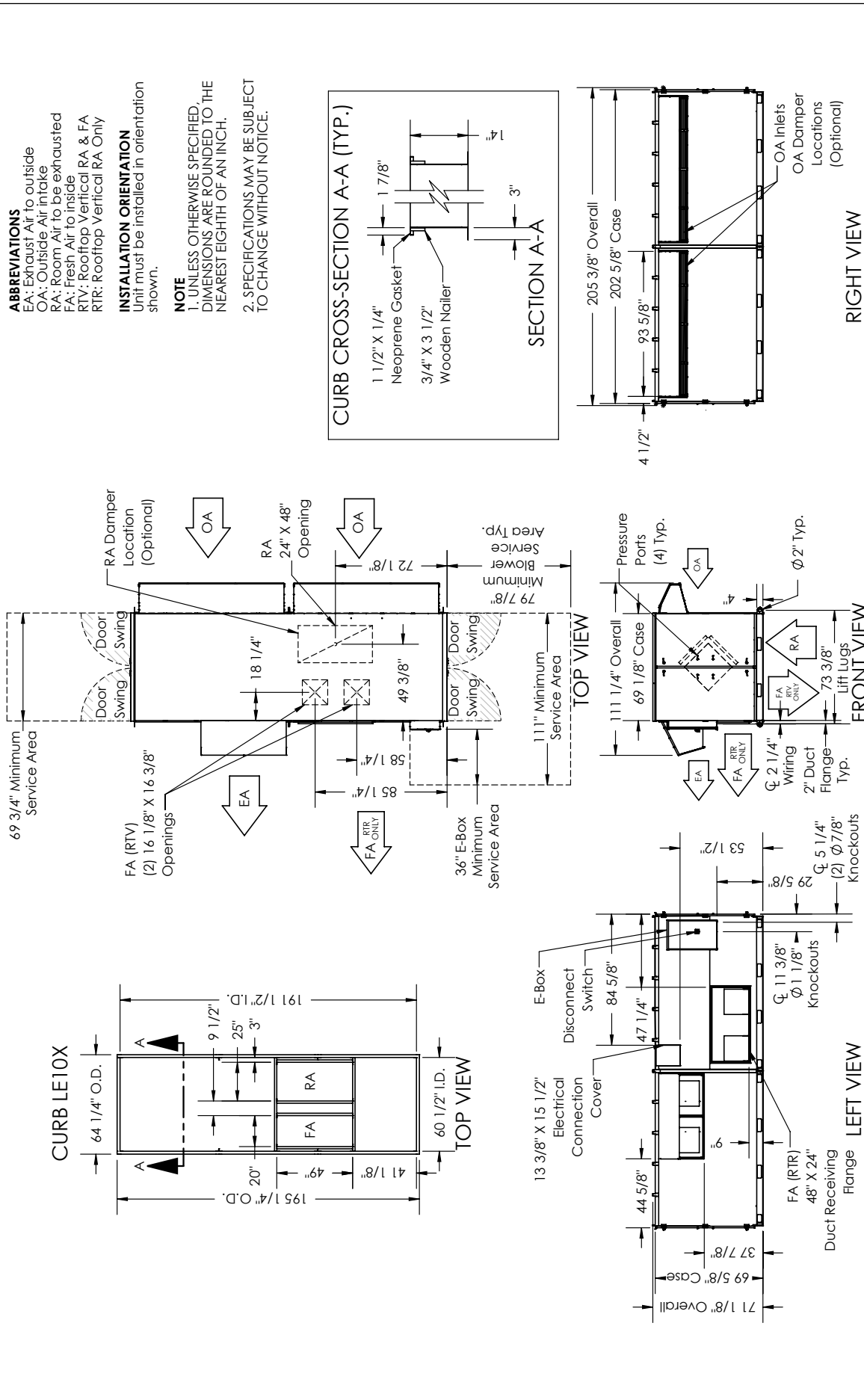
ENERGY RECOVERY VENTILATOR



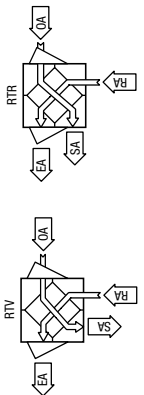
ELECTRICAL DATA

Electrical Specifications				Motor Starters (Standard)			Optional IE3 Efficiency Motor with VFDs			Optional IE5+ Efficiency Motor with VFDs		
HP	Volts	HZ	Phase	FLA per Motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per Motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per Motor	Min. Cir. Amps	Max. Overcurrent Protection Device
3.0	208-230	60	Single	14.6-14.0	32.9	45.0	9.0-8.4	35.1	50.0	7.3-7.3	28.4	40.0
3.0	208-230	60	Three	9.0-8.4	20.3	25.0	9.0-8.4	20.3	25.0	7.3-7.3	16.4	20.0
	460	60	Three	4.2	9.5	15.0	4.2	9.5	15.0	3.7	8.3	15.0
	575	60	Three	3.3	7.4	15.0	3.3	7.4	15.0			
5.0	208-230	60	Three	13.9-13.4	31.3	45.0	13.9-13.4	31.3	45.0	10.5-10.5	23.6	30.0
	460	60	Three	6.7	15.1	20.0	6.7	15.1	20.0	5.3	11.9	15.0
	575	60	Three	5.3	11.9	15.0	5.3	11.9	15.0			
7.5	208-230	60	Three	20.0-19.0	45.0	60.0	20.0-19.0	45.0	60.0	17.4-17.4	39.2	50.0
	460	60	Three	9.5	21.4	30.0	9.5	21.4	30.0	8.7	19.6	25.0
	575	60	Three	7.6	17.1	20.0	7.6	17.1	20.0			
10.0	208-230	60	Three	25.4-24	57.2	80	25.4-24	57.2	80	22.0-22.0	49.5	70
	460	60	Three	12	27.0	35	12	27.0	35	11	24.8	35
	575	60	Three	9.6	21.6	30	9.6	21.6	30			

LE10XRT (RTV/RTR) ENERGY RECOVERY VENTILATOR



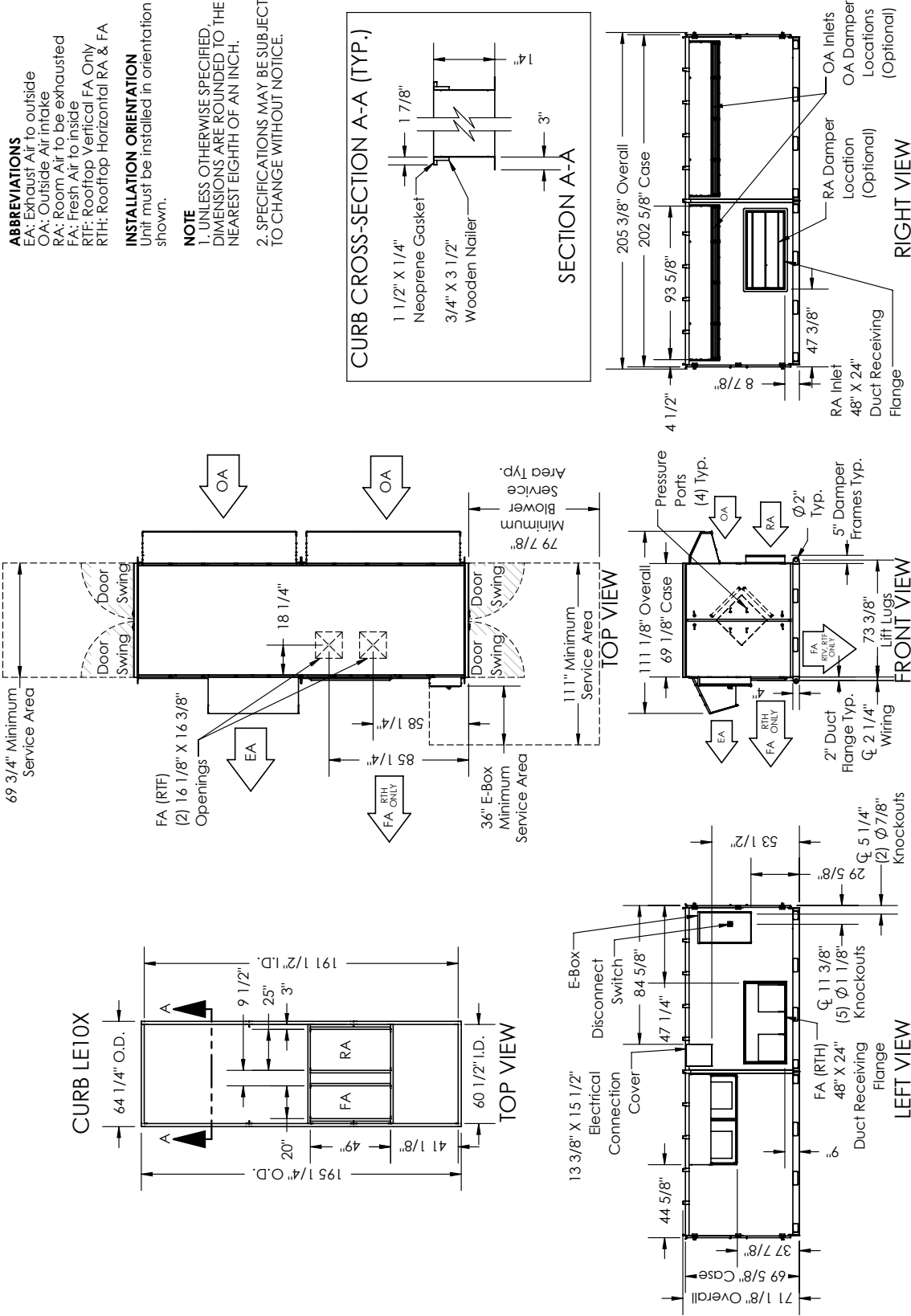
UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams cannot be switched.



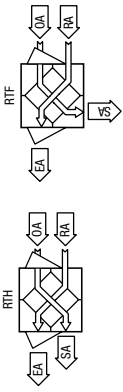
AIRFLOW ORIENTATION
 Available as shown in dimension drawing.



LE10XRT (RTH/RTF) ENERGY RECOVERY VENTILATOR



UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams cannot be switched.



AIRFLOW ORIENTATION
 Available as shown in dimension drawing.