LE 8XRT

ENERGY RECOVERY VENTILATOR

ROOFTOP UNIT

LE10XRT shown

Energy recovery core is AHRI Certified®

AHRI CERTIFIED®
www.ahridirectory.org
Air-to-Air ERV
AHRI Standard 1060
Energy Recovery COMPONENT is certified. Actual performance in packaged equipment may vary.

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 MEDIUM SPEED		3 HP HIGH SPEED						
2000						1.3	640	1.3	730	1.4	810	1.6	890	1.9	960	2.4	1030	2.9	1100	
3000				1.5	600	1.5	700	1.6	780	1.9	860	2.2	930	2.7	1000	3.1	1060	3.7	1130	5 HP HIGH SPEED
4000	MOTOR WITH VFD	1.5	580	1.6	680	1.9	760	2.2	840	2.6	910	3.0	980	3.5	1040	4.0	1100	4.6	1160	
4500		1.6	620	1.8	710	2.1	800	2.5	870	3.0	940	3.5	1010	4.0	1060	4.5	1120	5.1	1170	7.5 HP MED SPEED
5000	3 HP LOW SPEED	1.7	660	2.1	750	2.5	830	3.0	910	3.5	970	4.0	1030	4.5	1090	5.1	1140	5.6	1190	
5500		2.0	710	2.4	790	2.9	870	3.4	940	4.0	1000	4.5	1060	5.1	1110	5.6	1160	6.2	1210	7.5 HP HIGH SPEED
6000		2.4	750	2.9	840	3.4	910	4.0	970	4.5	1030	5.1	1090	5.7	1140	6.2	1190	6.8	1230	
6250		2.6	780	3.1	860	3.7	930	4.2	990	4.8	1050	5.4	1100	6.0	1150	6.5	1200	7.1	1240	
6500		2.8	800	3.4	880	4.0	950	4.5	1010	5.1	1060	5.7	1110	6.3	1160	6.8	1210	7.4	1250	
6750	5 HP LOW SPEED	3.1	820	3.7	900	4.3	960	4.8	1020	5.4	1080	6.0	1130	6.6	1180	7.2	1220	7.7	1260	7.5 HP + SERVICE FACTOR HIGH SPEED
7000		3.3	850	4.0	920	4.6	980	5.2	1040	5.8	1090	6.3	1140	6.9	1190	7.5	1230	8.0	1270	
7250		3.6	870	4.3	940	4.9	1000	5.5	1060	6.1	1110	6.7	1160	7.2	1200	7.8	1240	8.4	1280	
7500		3.9	900	4.6	960	5.2	1020	5.8	1080	6.4	1120	7.0	1170	7.6	1210	8.2	1250			
7750	5 HP MED SPEED	4.3	920	4.9	980	5.6	1040	6.2	1090	6.8	1140	7.4	1180	7.9	1230	8.5	1270			
8000		4.6	940	5.3	1000	5.9	1060	6.5	1110	7.1	1160	7.7	1200	8.3	1240					
8250		5.0	970	5.7	1020	6.3	1080	6.9	1130	7.5	1170	8.1	1210	8.6	1250					
8500	7.5 HP LOW SPEED	5.4	990	6.0	1050	6.7	1100	7.3	1140	7.9	1190	8.4	1230							
8800		5.9	1020	6.5	1070	7.1	1120	7.7	1160	8.3	1200									
				7.5 HP MED SPEED						7.5 HP + SERVICE FACTOR HIGH SPEED										

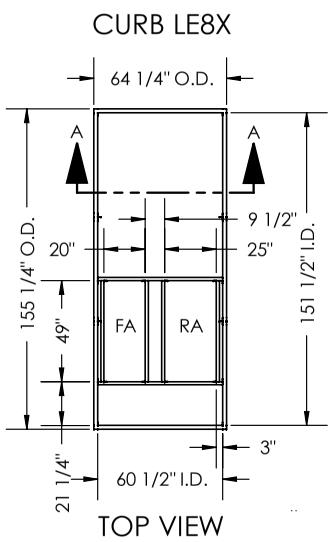
Note: Airflow performance includes effect of clean, standard filter supplied with unit.

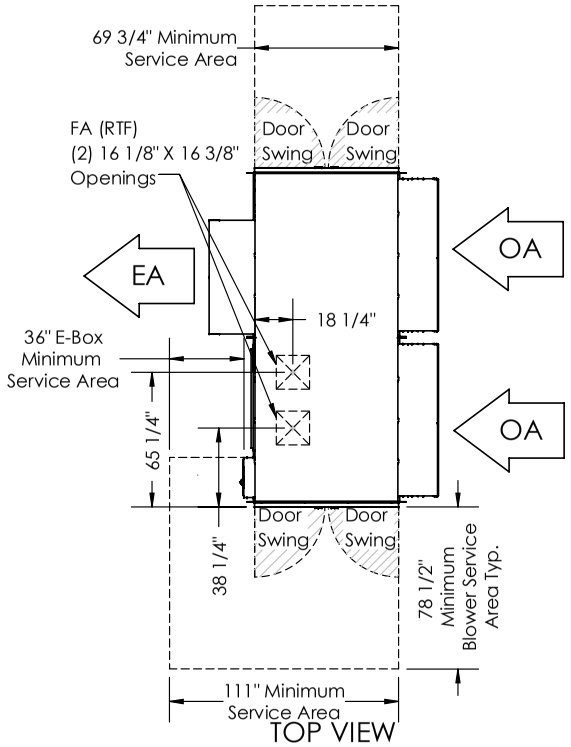
LE 8XRT ENERGY RECOVERY VENTILATOR

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			

LE8XRT (RTH/RTF) ENERGY RECOVERY VENTILATOR



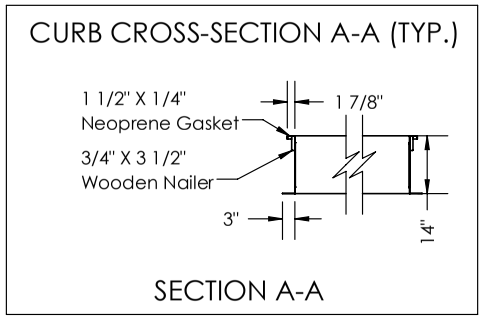


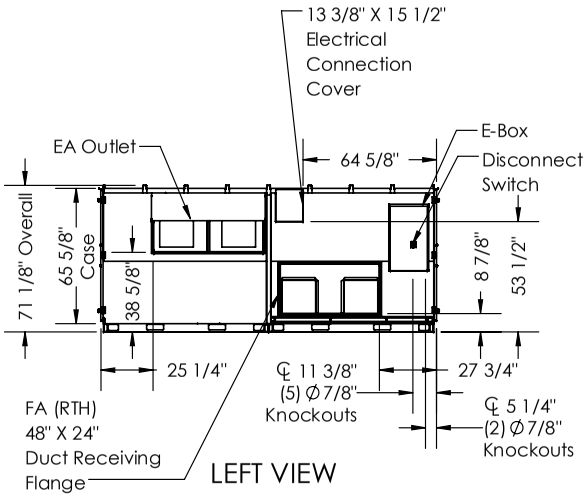
ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside
RTF: Rooftop Vertical FA Only
RTH: Rooftop Horizontal RA & FA

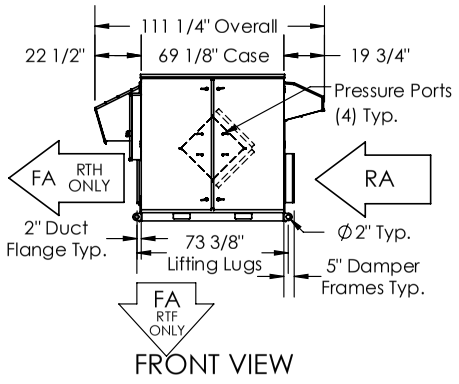
INSTALLATION ORIENTATION
Unit must be installed in orientation shown.

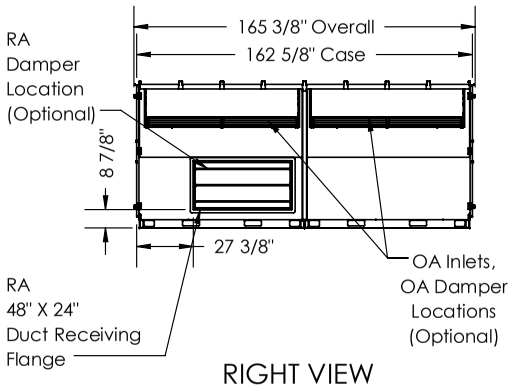
NOTE:
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



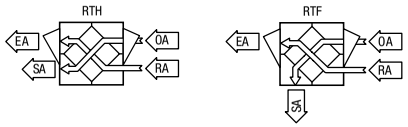






AIRFLOW ORIENTATION

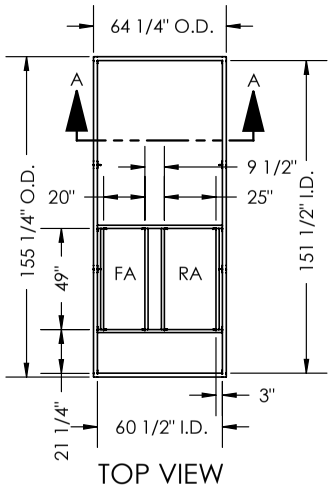
Available as shown.

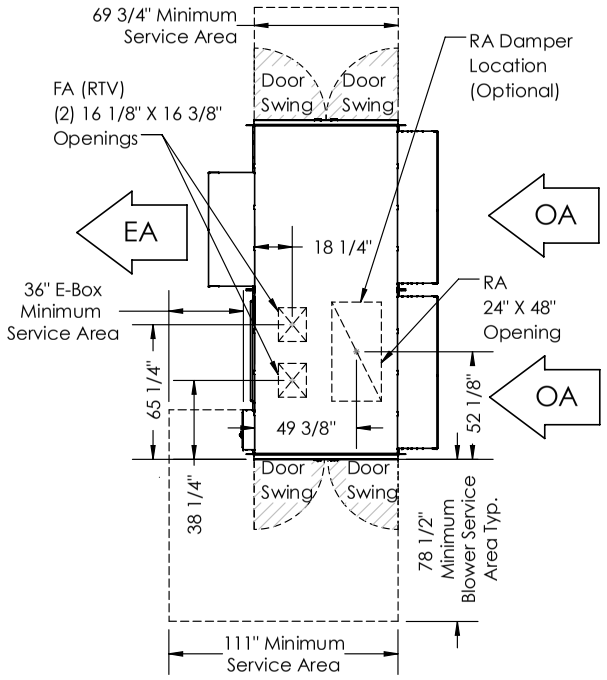


UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.

LE8XRT (RTV/RTR) ENERGY RECOVERY VENTILATOR





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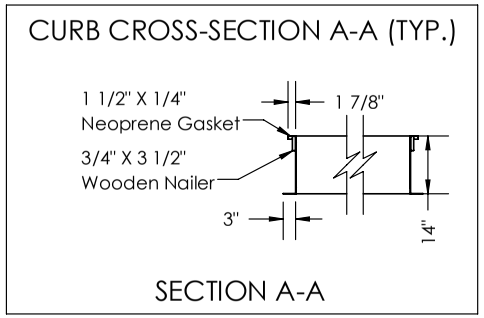

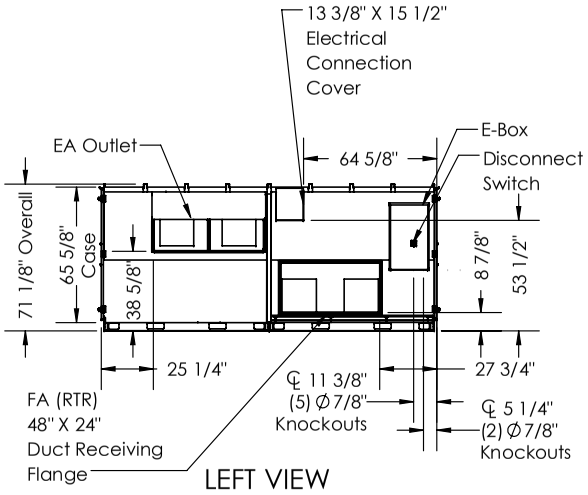

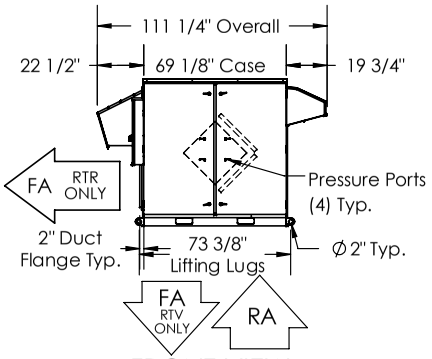

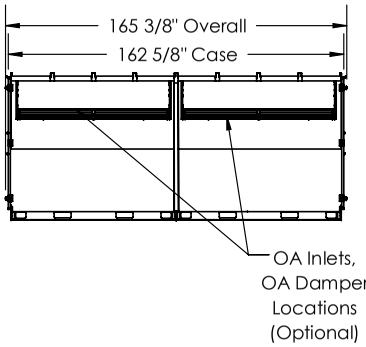

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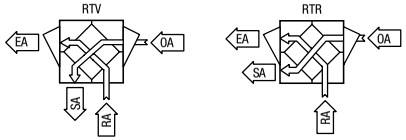

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