



ROOFTOP UNIT



LE10XRT shown

Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type: Static plate, heat and humidity transfer

Typical Airflow Range: 1,500–6,600 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) 1,069–1,461 lbs., varies by option(s)

Assembled (1-piece) 2,086–2,753 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

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

Module 1: 1,602 lbs., Module 2: 1,491 lbs.

Assembled (1-piece) 160" L x 90" W x 78" H; 3,035 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	
						MOTOR WITH VFD				3 HP LOW SPEED		3 HP MED SPEED				3 HP HIGH SPEED				
1500						0.7	640	0.7	750	0.9	840	1.1	920	1.5	990	1.9	1060	2.4	1120	
2000						0.8	670	0.9	770	1.1	860	1.4	940	1.7	1010	2.2	1080	2.6	1140	
2500						0.9	600	0.9	710	1.1	800	1.3	880	1.7	950	2.0	1030	2.4	1090	
3000	MOTOR WITH VFD	1.0	570	1.1	660	1.2	750	1.4	830	1.7	900	2.0	970	2.3	1040	2.7	1110	3.1	1170	5 HP MED SPEED
3500		1.2	650	1.4	730	1.6	800	1.8	870	2.1	930	2.4	1000	2.7	1060	3.1	1120	3.5	1190	5 HP HIGH SPEED
3750		1.4	690	1.6	760	1.8	820	2.0	890	2.3	950	2.6	1010	2.9	1070	3.3	1130	3.7	1190	
4000		1.6	730	1.8	790	2.0	850	2.3	910	2.5	970	2.8	1030	3.2	1090	3.5	1150	3.9	1200	
4250	3 HP LOW SPEED	1.9	770	2.1	820	2.3	880	2.5	930	2.8	990	3.1	1040	3.4	1100	3.7	1160	4.1	1210	
4500		2.2	800	2.4	850	2.6	900	2.8	960	3.1	1010	3.4	1060	3.7	1110	4.0	1170	4.3	1230	
4750		2.5	840	2.7	880	2.9	930	3.1	980	3.4	1030	3.7	1080	4.0	1130	4.3	1180	4.6	1240	
5000		2.8	870	3.0	910	3.2	960	3.5	1000	3.7	1050	4.0	1100	4.3	1150	4.6	1200	4.9	1250	
5250	5 HP LOW SPEED	3.2	910	3.4	940	3.6	990	3.8	1030	4.1	1070	4.3	1120	4.6	1170	4.9	1220	5.3	1270	
5500		3.6	940	3.8	970	4.0	1010	4.2	1050	4.5	1090	4.7	1140	5.0	1180	5.3	1230	5.6	1290	
5750		4.0	970	4.2	1000	4.4	1040	4.6	1080	4.9	1120	5.1	1160	5.4	1200	5.7	1250	6.0	1300	
6000		4.4	1000	4.6	1030	4.8	1070	5.0	1100	5.3	1140	5.5	1180	5.8	1230	6.1	1270	6.4	1330	
6250		4.9	1030	5.1	1060	5.3	1090	5.5	1130	5.7	1160	6.0	1200	6.2	1250	6.5	1300	6.9	1350	
6500		5.3	1060	5.5	1090	5.7	1120	6.0	1150	6.2	1190	6.4	1230	6.7	1270	7.0	1320	7.4	1380	
6600		5.5	1070	5.7	1100	5.9	1130	6.1	1160	6.4	1200	6.6	1240	6.9	1280	7.2	1330	7.5	1390	
		7.5 HP LOW SPEED									7.5 HP MED SPEED									

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



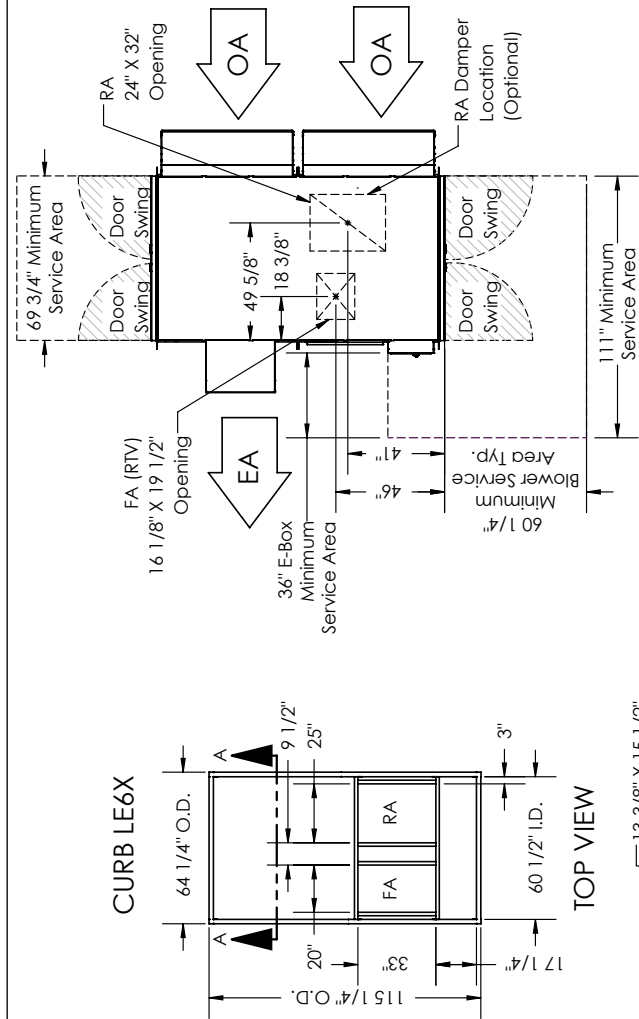
ENERGY RECOVERY VENTILATOR



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			

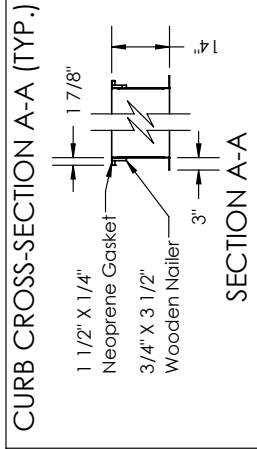
LE6XRT (RTV/RTR) ENERGY RECOVERY VENTILATOR



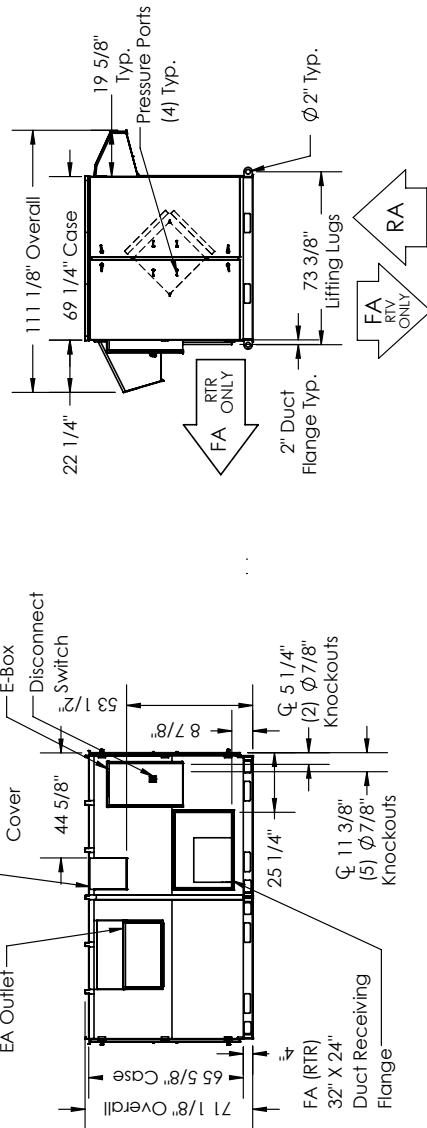
ABBREVIATIONS
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 FA: Fresh Air to inside
 RTV: Rooftop Vertical RA & FA
 RTR: Rooftop Vertical RA Only

INSTALLATION ORIENTATION
 Unit must be installed in orientation shown.

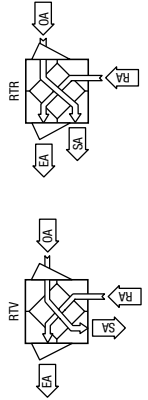
NOTE:
 1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
 2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



SECTION A-A



RIGHT VIEW



AIRFLOW ORIENTATION
 Available as shown.

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

