

# LE 10XINV

## ENERGY RECOVERY VENTILATOR



### ROOFTOP UNIT



### SPECIFICATIONS

**Ventilation Type:** Static plate, heat and humidity transfer

**Typical Airflow Range:** 2,500–11,000 CFM

**AHRI 1060 Certified Core:** Ten L125-G5

**Standard Features:**

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

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

**Unit Weight:**

- Modular (2-modules) 1,127–2,222 lbs., varies by option(s)
- Assembled (1-piece) 2,858–3,788 lbs., varies by option(s)

**Max. Shipping Dimensions & Weight (on pallet):**

- Modular (2-modules) 120" L x 90" W x 78" H
- Module 1: 2,442 lbs., Module 2: 1,792 lbs.
- Assembled (1-piece) 240" L x 90" W x 78" H; 4,228 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" or 4"; MERV 8, 4"; (shipped loose)
- Automatic balancing damper: 4", 5", 6"
- 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

Energy recovery core is AHRI Certified®



### 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	3.5	1060	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	
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	5 HP LOW SPEED	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	
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	
7500	7.5 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 MED 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	
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	10 HP HIGH SPEED	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 HIGH 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.





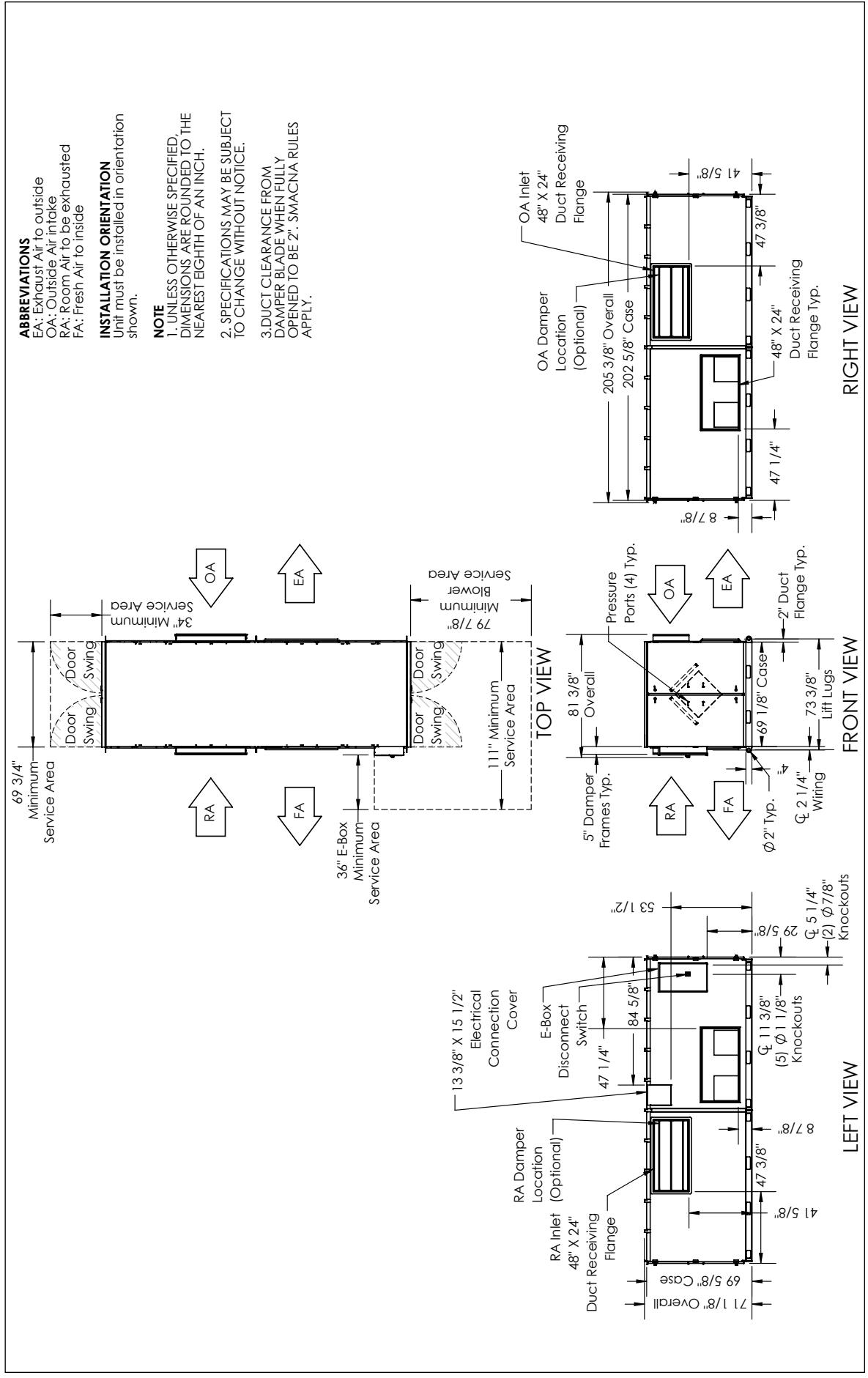
ENERGY RECOVERY VENTILATOR



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			

**LE10XIN V ENERGY RECOVERY VENTILATOR**



**UNIT MOUNTING & APPLICATION**  
 Must be mounted as shown. RA/EA airstream can be switched with OA/FA airstream unless certain options are selected.



**AIRFLOW ORIENTATION**  
 Available as shown.

