

# LE 8XINH

## Energy Recovery Ventilator Standard



### INDOOR UNIT



LE8XINV shown

Download specification at:  
renewaire.com/specifications

### SPECIFICATIONS

**Ventilation Type:**

Static plate, heat and humidity transfer

**Typical Airflow Range:** 2,000-8,800 CFM

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

**Standard Features:**

- TEFC Premium efficiency motors
- Motor starters
- Non-fused disconnect
- 24 VAC transformer/relay package

**Filters:**

Total qty. 16, MERV 8: 20" x 25" x 2"

**Unit Dimensions:**

- 80 1/2" L x 165" W x 71 1/4" H
- Modular (per module) 1,214-1,672 lbs., varies by option(s)
- Assembled (1-piece) 2,479-3,279 lbs., varies by option(s)

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

- Modular (2-modules) 100" L x 90" W x 78" H
- Module 1 - 1,852 lbs., Module 2 - 1,789 lbs.
- Assembled (1-piece) 200" L x 90" W x 78" H
- 3,638 lbs.

**Motor(s):**

Qty. 2, Belt drive blower/standard motor packages with choice of adjustable sheaves for low, medium or high blower speed (see table below)

**Options:**

- Integrated programmable controls
- Fused disconnect
- Double wall construction
- Factory supplied and mounted variable frequency drives (VFDs) - one or both airstreams
- Shaft grounding ring on motors with VFDs
- Class 1 low leakage motorized isolation dampers - OA, RA or both airstreams
- Qty. 2, Factory mounted filter alarms
- Exterior paint - white, custom colors
- Spring vibration isolators

**Accessories:**

- Filters - MERV 13, 2" or 4"; MERV 8, 4" (shipped loose)
- Digital time clock - wall mount (TC7D-W), in exterior enclosure (TC7D-E)
- Motion occupancy control - ceiling mount (MC-C), wall mount (MC-W)
- Carbon dioxide control - wall mount (CO2-W), duct mount (CO2-D)
- Electric duct heater - EK series (1-60 kW), EH series (61-175 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											
2000							1.0	680	1.3	790	1.5	870	1.8	940	2.0	1000	2.2	1060				
3000					1.1	640	1.4	740	1.7	820	2.0	890	2.3	960	2.6	1020	2.9	1070				
4000					1.6	710	1.9	790	2.2	860	2.6	920	2.9	990	3.2	1040	3.6	1100				
4500			1.5	660	1.8	740	2.2	810	2.5	880	2.9	940	3.2	1000	3.6	1060	4.0	1110		5 HP HIGH SPEED		
5000			1.7	690	2.1	770	2.5	840	2.8	900	3.2	960	3.6	1020	4.0	1070	4.5	1130				
5500	3 HP LOW SPEED	1.7	650	2.0	730	2.4	800	2.8	860	3.2	930	3.6	980	4.0	1040	4.5	1090	4.9	1140			
6000		1.9	690	2.3	760	2.7	830	3.1	890	3.6	950	4.0	1010	4.5	1060	5.0	1110	5.5	1160		7.5 HP	
6250		2.1	710	2.5	780	2.9	840	3.3	910	3.8	960	4.3	1020	4.7	1070	5.2	1120	5.7	1170			
6500		2.3	720	2.7	790	3.1	860	3.6	920	4.0	980	4.5	1030	5.0	1080	5.5	1130	6.0	1180			
6750		2.4	740	2.9	810	3.3	870	3.8	930	4.3	990	4.8	1040	5.3	1100	5.8	1140	6.3	1190		7.5 HP HIGH SPEED	
7000		2.6	760	3.1	830	3.5	890	4.0	950	4.5	1000	5.0	1060	5.6	1110	6.1	1160	6.6	1200			
7250		2.8	780	3.3	850	3.7	910	4.3	960	4.8	1020	5.3	1070	5.8	1120	6.4	1170	7.0	1210			
7500		3.0	800	3.5	860	4.0	920	4.5	980	5.0	1030	5.6	1080	6.2	1130	6.7	1180	7.3	1220			
7750	3.2	820	3.7	880	4.2	940	4.8	990	5.3	1050	5.9	1100	6.5	1140	7.1	1190						
8000	3.5	840	4.0	900	4.5	960	5.1	1010	5.6	1060	6.2	1110	6.8	1160	7.4	1200						
8250	5 HP LOW SPEED	3.7	860	4.2	920	4.8	970	5.4	1030	5.9	1080	6.5	1120	7.1	1170							
8500		4.0	880	4.5	930	5.1	990	5.7	1040	6.3	1090	6.9	1140	7.5	1180							
8800		4.3	900	4.9	960	5.5	1010	6.1	1060	6.7	1110	7.3	1150									
					5 HP MED SPEED	7.5 HP LOW SPEED	7.5 HP MED SPEED															

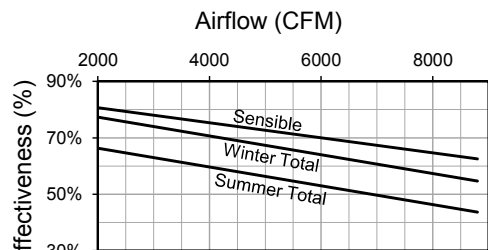
Note: Airflow performance includes effect of clean, standard filter supplied with unit.

### ELECTRICAL DATA

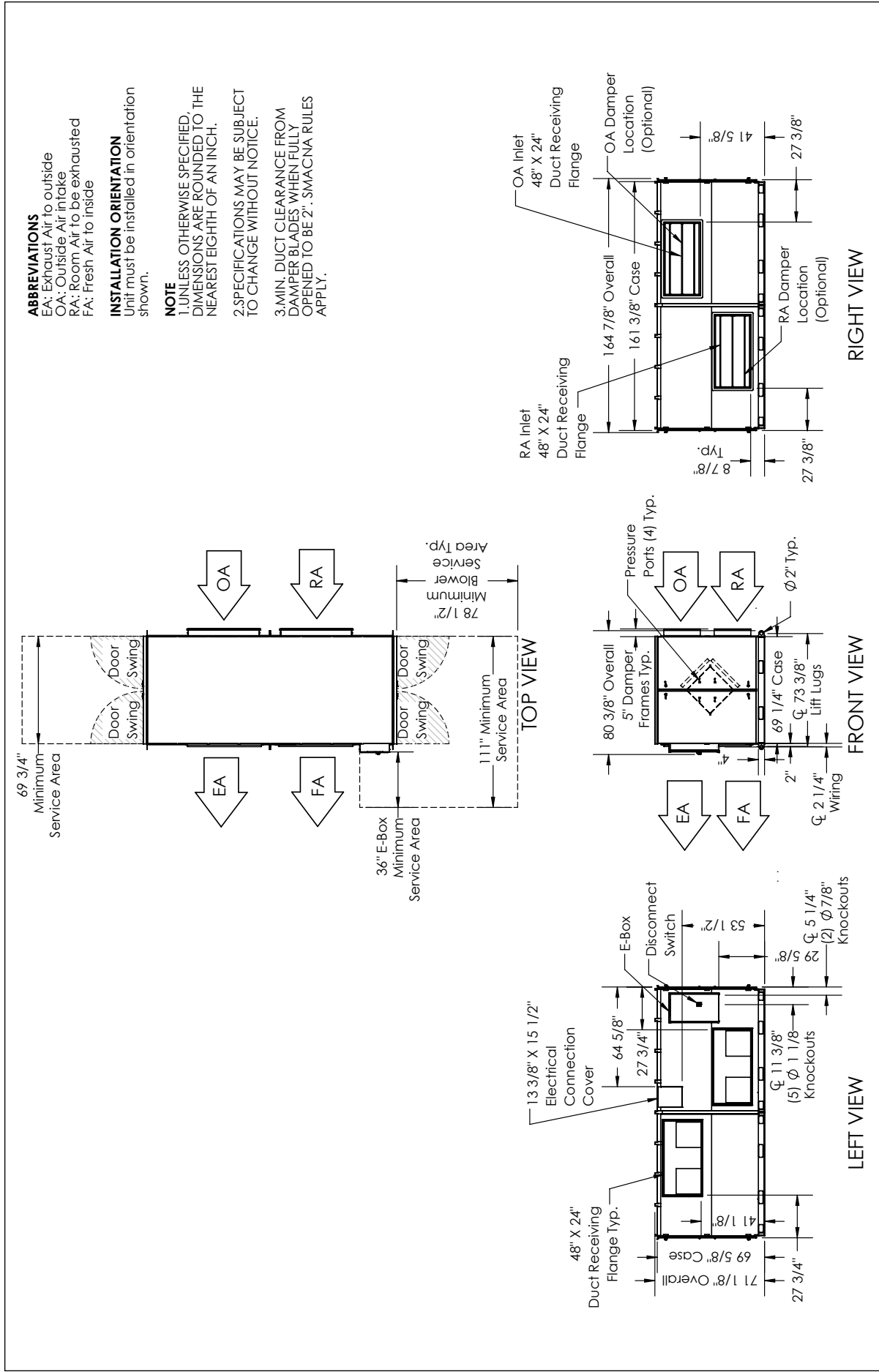
Standard Electrical Specifications							Optional Factory Installed VFD Electrical Specifications		
HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
3.0	208-230	60	Single	14.7-14	33.1	40	9.38-8.48	40.2	45
3.0	208-230	60	Three	9.38-8.48	21.1	25	9.38-8.48	23.2	25
	460	60	Three	4.24	9.5	15	4.24	10.5	15
	575	60	Three	3.3	7.4	15	3.3	8.2	15
5.0	208-230	60	Three	14.5-13.4	32.6	45	14.5-13.4	35.9	45
	460	60	Three	6.7	15.1	20	6.7	16.6	20
	575	60	Three	5.3	11.9	15	5.3	13.1	15
7.5	208-230	60	Three	21.0-19.0	47.3	60	21.0-19.0	52.0	60
	460	60	Three	9.5	21.4	25	9.5	23.5	25
	575	60	Three	7.6	17.1	20	7.6	18.8	20

Specifications may be subject to change without notice.

### CORE PERFORMANCE



At AHRI 1060 standard conditions. See all AHRI certified ratings at www.ahrinet.org.



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

**AIRFLOW CONFIGURATION**  
 Available as shown in dimension drawing.