

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 1/4" L x 165 1/2" W x 71 1/4" H
Modular (per module) 1,214-1,638 lbs., varies by option(s)
Assembled (1-piece) 2,479-3,209 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
Modular (2-modules) 100" L x 90" W x 78" H
Module 1 - 1,837 lbs., Module 2 - 1,771 lbs.
Assembled (1-piece) 200" L x 90" W x 78" H
3,568 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
Motorized isolation dampers - EA, FA 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	5 HP LOW SPEED	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		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															

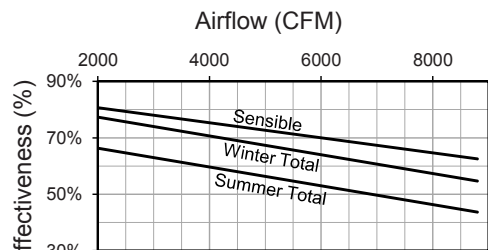
Note: Airflow performance includes effect of clean, standard filter supplied with unit.

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

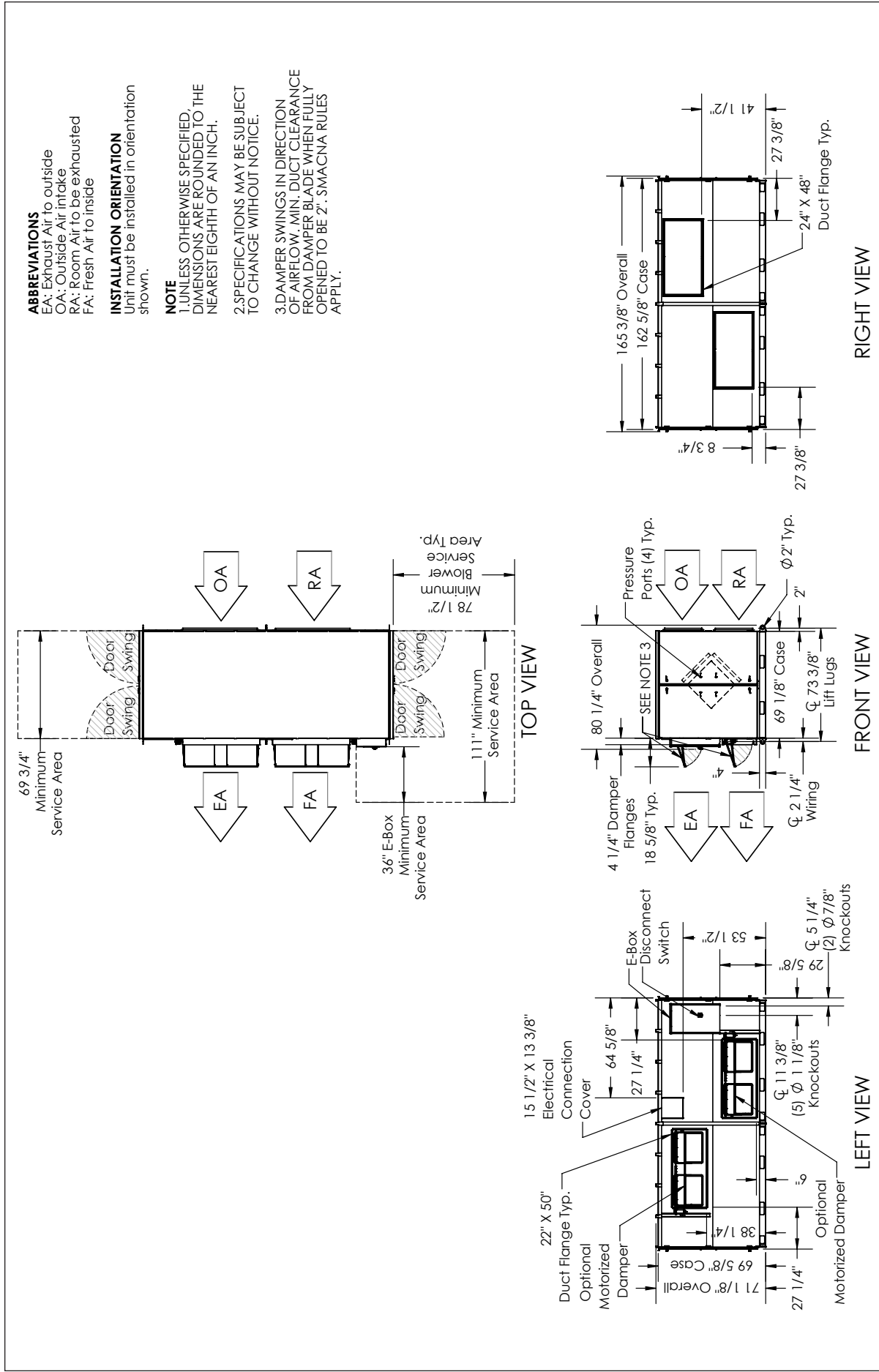
Specifications may be subject to change without notice.

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.

