



ENERGY RECOVERY VENTILATOR



INDOOR UNIT



LE6XINV 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) 943–1,367 lbs., varies by option(s)
Assembled (1-piece) 1,975–2,630 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

Modular (2-modules) 80" L x 90" W x 78" H
Module 1: 1,508 lbs., Module 2: 1,406 lbs.
Assembled (1-piece) 160" L x 90" W x 78" H; 2,630 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"
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	720	0.9	820	1.1	900	1.3	960	1.4	1020	1.6	1080	
2000								0.9	740	1.1	850	1.3	930	1.5	990	1.7	1050	1.9	1100	
2500								1.1	770	1.3	870	1.5	950	1.7	1010	1.9	1060	2.1	1110	
3000						1.1	650	1.4	800	1.6	890	1.8	960	2.0	1020	2.2	1080	2.4	1130	
3500				1.2	620	1.5	740	1.7	840	1.9	910	2.1	980	2.4	1040	2.6	1090	2.8	1140	5 HP MED SPEED
3750	MOTOR WITH VFD	1.3	580	1.5	690	1.7	780	1.9	860	2.1	920	2.3	990	2.6	1040	2.8	1100	3.1	1150	
4000		1.6	660	1.7	740	1.9	810	2.1	880	2.3	940	2.6	1000	2.8	1050	3.0	1110	3.3	1160	
4250		1.8	720	2.0	780	2.2	840	2.3	900	2.6	960	2.8	1010	3.0	1060	3.3	1120	3.6	1170	
4500	3 HP LOW SPEED	2.1	770	2.2	820	2.4	870	2.6	920	2.8	970	3.1	1030	3.3	1080	3.6	1130	3.9	1180	5 HP HIGH SPEED
4750		2.4	810	2.5	850	2.7	900	2.9	950	3.1	990	3.3	1040	3.6	1090	3.9	1140	4.2	1190	
5000		2.7	850	2.8	890	3.0	930	3.2	970	3.4	1010	3.7	1060	3.9	1110	4.2	1150	4.5	1210	
5250	3.0	880	3.2	920	3.4	960	3.5	990	3.8	1030	4.0	1080	4.3	1120	4.6	1170	4.9	1220		
5500	5 HP LOW SPEED	3.4	910	3.5	950	3.7	980	3.9	1020	4.1	1060	4.4	1100	4.7	1140	5.0	1190	5.4	1240	
5750		3.8	950	3.9	980	4.1	1010	4.3	1040	4.5	1080	4.8	1120	5.1	1160	5.4	1200	5.8	1260	
6000		4.2	980	4.3	1000	4.5	1030	4.7	1070	5.0	1100	5.2	1140	5.5	1180	5.9	1220	6.3	1270	
6250		4.6	1000	4.8	1030	5.0	1060	5.2	1090	5.4	1120	5.7	1160	6.0	1190	6.3	1240	6.8	1290	
6500		5.1	1030	5.2	1060	5.4	1080	5.6	1110	5.9	1140	6.2	1170	6.5	1210	6.8	1250	7.3	1300	
6600		5.3	1040	5.4	1070	5.6	1090	5.8	1120	6.1	1150	6.4	1180	6.7	1220	7.0	1260	7.5	1310	
		7.5 HP LOW SPEED												7.5 HP MED SPEED						

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



6XINH

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			

LEG6XINH ENERGY RECOVERY VENTILATOR

ABBREVIATIONS

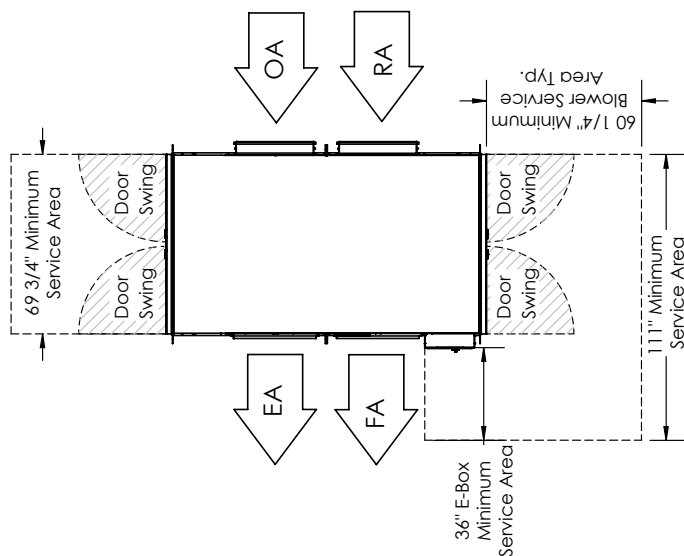
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

INSTALLATION ORIENTATION

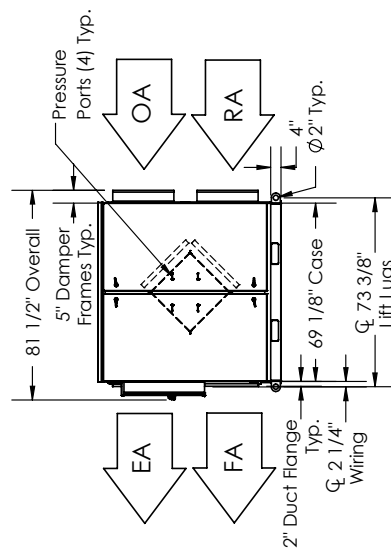
Unit must be installed in orientation shown.

NOTE

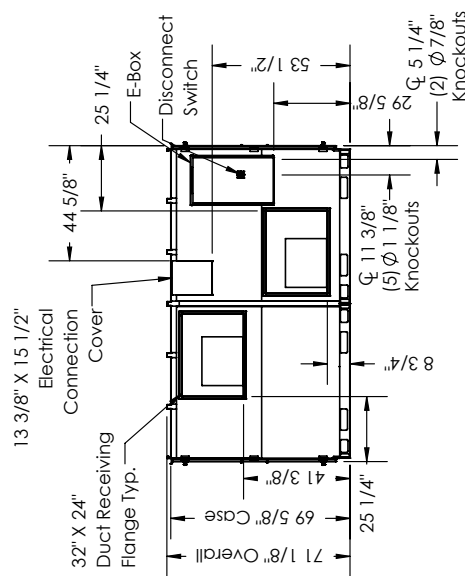
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.
3. MIN. DUCT CLEARANCE FROM DAMPER BLADES WHEN FULLY OPENED TO BE 2". SMACNA RULES APPLY.



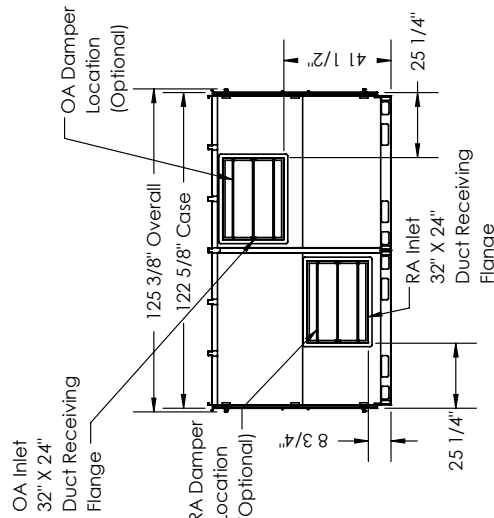
TOP VIEW



FRONT VIEW



LEFT VIEW



RIGHT VIEW

AIRFLOW ORIENTATION

Available as shown.

UNIT MOUNTING & APPLICATION

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

