



ENERGY RECOVERY VENTILATOR



ROOFTOP UNIT



LE8XINV shown

Energy recovery core is AHRI Certified®



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
24VAC transformer/relay package
Cross-core differential pressure ports
Independent blower control

Filters: Total qty. 16, MERV 8: 20" x 25" x 2"**Unit Weight:**

Modular (2-modules) 918–1,984 lbs., varies by option(s)

Assembled (1-piece) 2,495–3,295 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

Modular (2-modules) 100" L x 90" W x 78" H

Module 1: 2,164 lbs., Module 2: 1,493 lbs.

Assembled (1-piece) 200" L x 90" W x 78" H; 3,654 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								
2000						0.6	530	1.0	680	1.3	790	1.5	870	1.8	940	2.0	1000	2.2	1060			
3000	MOTOR WITH VFD	0.3	300	0.8	520	1.1	640	1.4	740	1.7	820	2.0	890	2.3	960	2.6	1020	2.9	1070	5 HP HIGH SPEED		
4000		0.9	520	1.2	620	1.6	710	1.9	790	2.2	860	2.6	920	2.9	990	3.2	1040	3.6	1100			
4500		1.2	570	1.5	660	1.8	740	2.2	810	2.5	880	2.9	940	3.2	1000	3.6	1060	4.0	1110			
5000		1.4	610	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	7.5 HP MED SPEED		
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			
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	7.6	1230			
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	8.0	1240			
8250		3.7	860	4.2	920	4.8	970	5.4	1030	5.9	1080	6.5	1120	7.1	1170	7.7	1210	8.4	1250			
8500		4.0	880	4.5	930	5.1	990	5.7	1040	6.3	1090	6.9	1140	7.5	1180	8.1	1220					
8800		4.3	900	4.9	960	5.5	1010	6.1	1060	6.7	1110	7.3	1150	7.9	1200	8.6	1240					
		5 HP MED SPEED			7.5 HP LOW SPEED		7.5 HP MED SPEED						7.5 HP + SERVICE FACTOR HIGH SPEED									

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



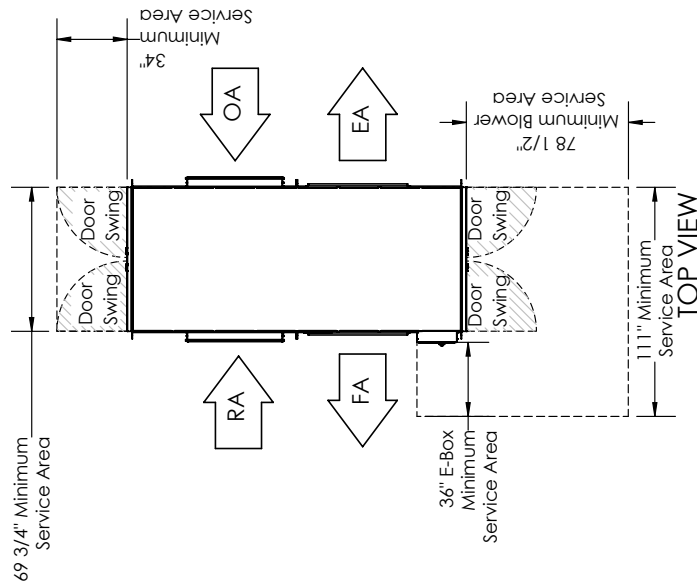
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ELECTRICAL DATA

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			

LE8XINV ENERGY RECOVERY VENTILATOR



ABBREVIATIONS

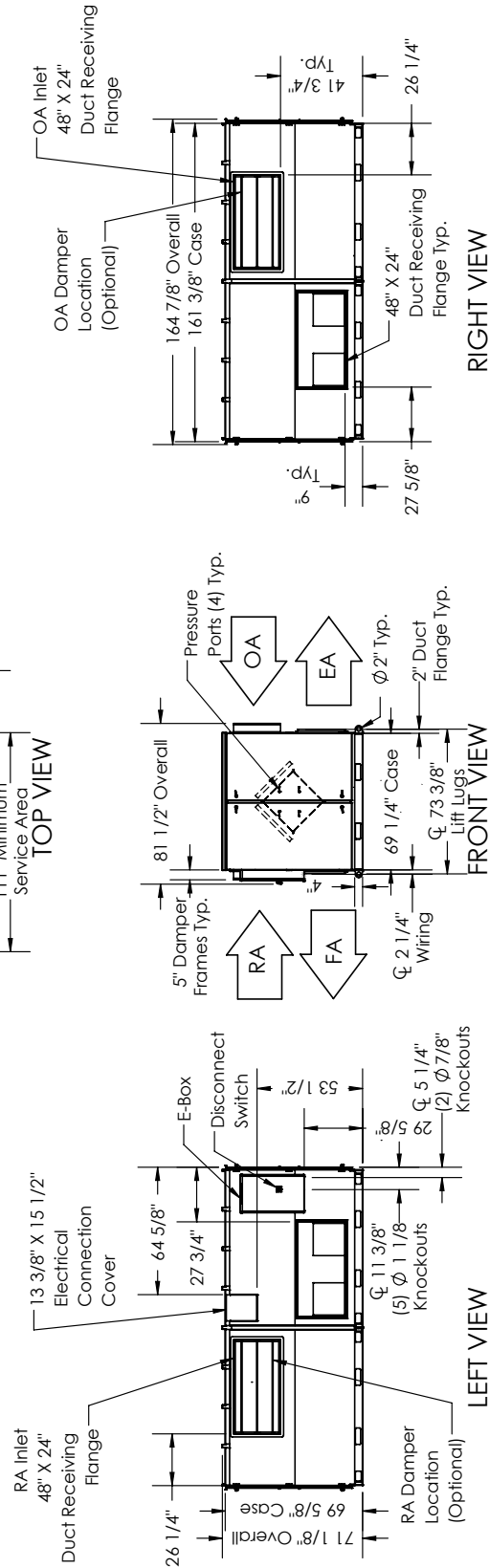
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

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. DUCT CLEARANCE FROM DAMPER BLADES WHEN FULLY OPENED TO BE 2\" SMACNA RULES APPLY.



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.