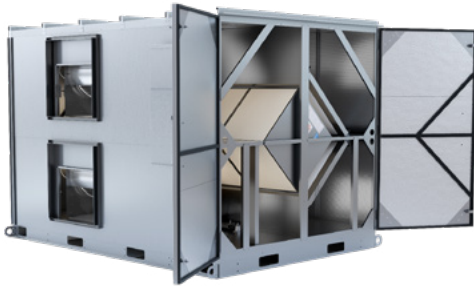


### INDOOR UNIT



### SPECIFICATIONS

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

**Typical Airflow Range:** 1,250–5,500 CFM

**AHRI 1060 Certified Core:** Five 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. 10, MERV 8: 20" x 25" x 2"

**Unit Weight (LE5X units not available in two modules):**

Assembled (1-piece) 1,665–2,206 lbs., varies by option(s)

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

Assembled (1-piece) 120" L x 90" W x 78" H; 2,426 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: SA, EA or both airstreams
- Factory mounted filter alarms: both airstreams
- Double wall construction
- Exterior paint - white, custom colors

**Accessories:**

- Filters: MERV 13, 2" and 4" (shipped loose)
- 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

LE5XIN UNIT AIRFLOW (CFM) AND MOTOR OUTPUT POWER (BHP)																				
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	Motor with VFD						2 HP Low Speed				2 HP Med Speed		2 HP High Speed						3 HP Med Speed
1250		0.4	360	0.5	520	0.6	630	0.7	710	0.9	790	1.0	860	1.2	930	1.4	1000	1.6	1070	
1500		0.4	420	0.6	550	0.7	650	0.8	730	1.0	810	1.1	880	1.3	950	1.5	1020	1.8	1080	
2000		0.6	490	0.7	590	0.8	680	1.0	760	1.2	840	1.4	910	1.6	980	1.8	1040	2.0	1100	
2500		0.7	550	0.9	630	1.0	720	1.2	800	1.4	870	1.6	940	1.8	1010	2.1	1060	2.3	1120	
3000		1.0	610	1.1	680	1.3	760	1.5	830	1.7	910	2.0	980	2.2	1030	2.4	1090	2.6	1130	
3250		1.1	640	1.3	710	1.5	780	1.7	860	1.9	930	2.1	990	2.4	1050	2.6	1100	2.7	1140	
3500		1.3	670	1.5	740	1.7	810	1.9	880	2.1	950	2.3	1010	2.6	1060	2.7	1110	2.9	1150	
3750		1.5	700	1.7	770	1.9	840	2.1	910	2.3	970	2.6	1030	2.8	1080	3.0	1120	3.1	1160	
4000		1.7	740	1.9	800	2.1	870	2.3	930	2.6	1000	2.8	1050	3.0	1090	3.2	1130	3.4	1170	
4250	3 HP Low Speed	2.0	770	2.2	830	2.4	900	2.6	960	2.8	1020	3.1	1070	3.3	1110	3.5	1140	3.6	1170	
4500		2.2	810	2.4	870	2.7	930	2.9	990	3.1	1040	3.4	1080	3.5	1120	3.7	1150	3.9	1180	
4750		2.5	850	2.8	910	3.0	960	3.2	1020	3.5	1060	3.7	1100	3.9	1130	4.0	1160	4.2	1180	
5000		2.9	890	3.1	940	3.3	990	3.6	1040	3.8	1080	4.0	1110	4.2	1140	4.4	1170	4.6	1190	
5250		3.2	920	3.5	980	3.7	1020	4.0	1060	4.2	1100	4.4	1120	4.6	1150	4.7	1170	4.9	1190	
5500		3.7	960	3.9	1010	4.1	1050	4.4	1080	4.6	1110	4.8	1140	5.0	1160					
		5 HP Low Speed						5 HP Med Speed						5 HP High Speed						

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



5XINV

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
2.0	120	60	Single	20.0	45.0	60						
2.0	208-230	60	Single	10.8-10.0	24.3	35	6.6-5.8	25.7	35	4.5-4.5	17.5	25
	208-230	60	Three	6.6-5.8	14.9	20	6.6-5.8	14.9	20	4.5-4.5	10.1	15
	460	60	Three	2.9	6.5	15	2.9	6.5	15	2.3	5.2	15
	575	60	Three	2.3	5.2	15	2.3	5.2	15			
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			

# LE5XINV ENERGY RECOVERY VENTILATOR

## ABBREVIATIONS

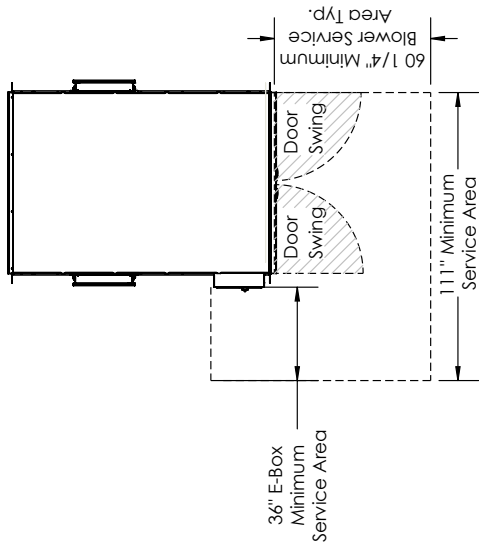
- EA: Exhaust Air to outside
- OA: Outside Air intake
- RA: Room Air to be exhausted
- SA: Supply Air to inside

## INSTALLATION ORIENTATION

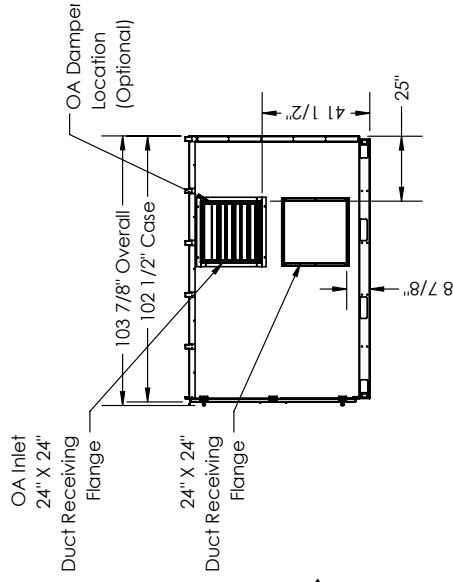
Unit must be installed in orientation shown.

## NOTE

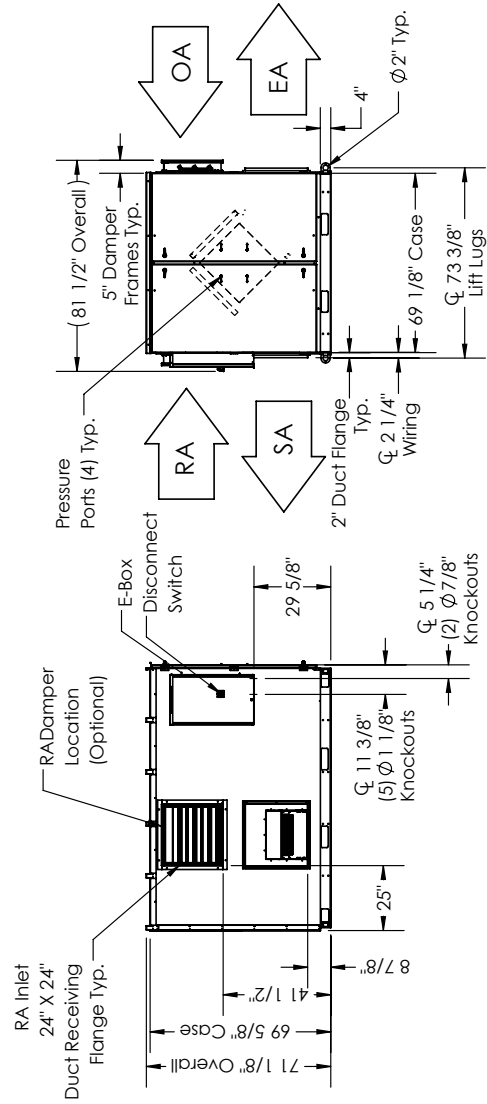
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.
3. MIN. DUCT CLEARANCE FROM DAMPER BLADES WHEN FULLY OPENED TO BE 2". SMACNA RULES APPLY.



TOP VIEW



RIGHT VIEW



FRONT VIEW

LEFT 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.