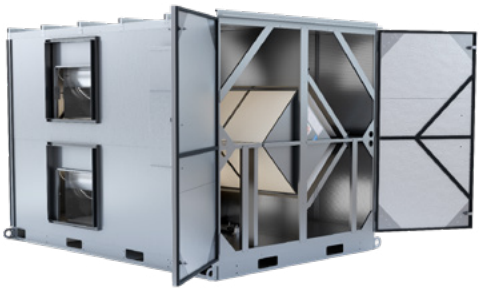
LE 5XINH

ENERGY RECOVERY VENTILATOR

INDOOR UNIT



Energy recovery core is AHRI Certified®

AHRI CERTIFIED®
www.ahridirectory.org
Air-to-Air ERV
AHRI Standard 1060
Energy Recovery COMPONENT is certified. Actual performance in packaged equipment may vary.

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) 1,686–2,227 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
Assembled (1-piece) 120" L x 90" W x 78" H; 2,447 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

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							2 HP Low Speed				2 HP Med Speed		2 HP High Speed						3 HP Med Speed
1250	Motor with VFD	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	3 HP Med Speed
1500	Motor with VFD	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	3 HP Med Speed
2000	Motor with VFD	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	3 HP High Speed
2500	Motor with VFD	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	3 HP High Speed
3000	Motor with VFD	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	3 HP High Speed
3250	2 HP Low Speed	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	3 HP High Speed
3500	2 HP Low Speed	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	3 HP High Speed
3750	2 HP Low Speed	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	5 HP Med Speed
4000	2 HP Low Speed	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	5 HP Med Speed
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	5 HP Med Speed
4500	3 HP Low Speed	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	5 HP Med Speed
4750	3 HP Low Speed	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	5 HP Med Speed
5000	3 HP Low Speed	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	5 HP High Speed
5250	3 HP Low Speed	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	5 HP High Speed
5500	3 HP Low Speed	3.7	960	3.9	1010	4.1	1050	4.4	1080	4.6	1110	4.8	1140	5.0	1160					5 HP High Speed
	5 HP Low Speed							5 HP Med Speed										5 HP High Speed		

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

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			

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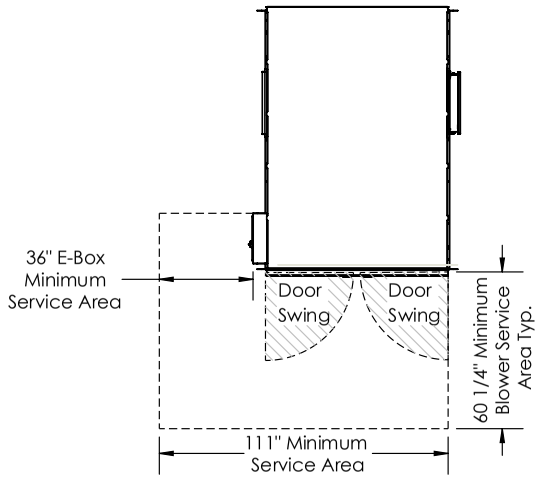


TOP VIEW

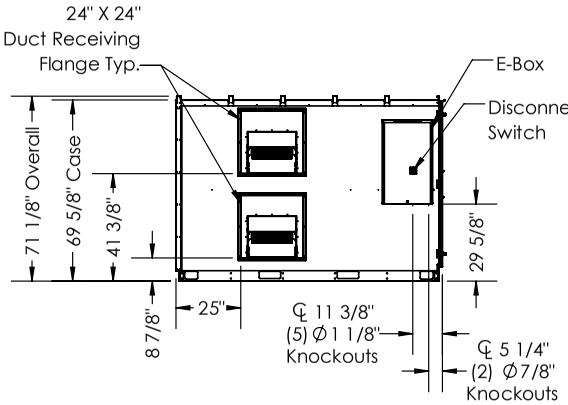
ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside

INSTALLATION ORIENTATION
Unit must be installed in orientation shown.

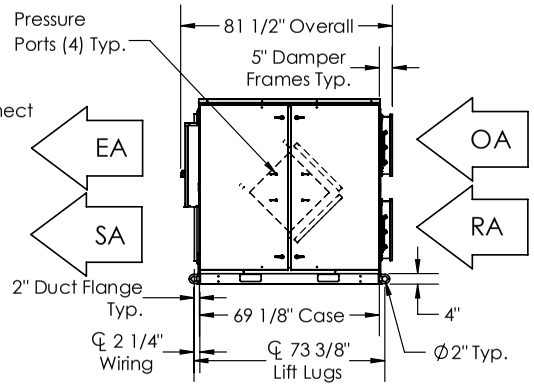
NOTE
1.UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

2.SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

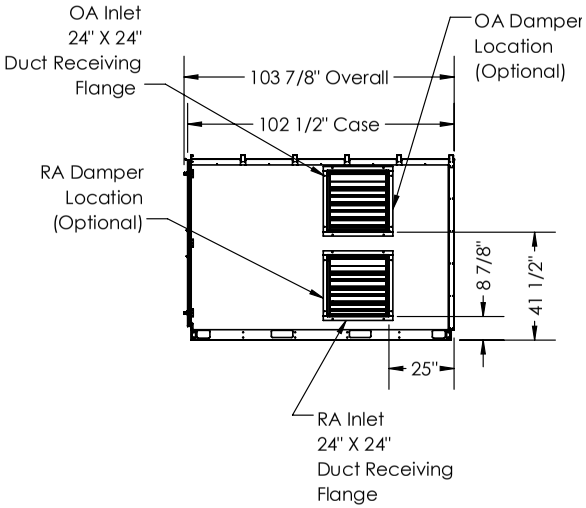
3. MIN. DUCT CLEARANCE FROM DAMPER BLADES WHEN FULLY OPENED TO BE 2". SMACNA RULES APPLY.



LEFT VIEW



FRONT 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.