LE 10XINH

ENERGY RECOVERY VENTILATOR

ROOFTOP UNIT

LE10XINV shown

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: 2,500–11,000 CFM

AHRI 1060 Certified Core: Ten L125-G5

Standard Features:
TEFC Premium efficiency motors
Motor starters
Non-fused disconnect
24VAC transformer/relay package
Rubber vibration isolators
Cross-core differential pressure ports
Independent blower control

Filters: Total qty. 20, MERV 8: 20" x 25" x 2"

Unit Weight:
Modular (2-modules) 1,423–1,912 lbs., varies by option(s)
Assembled (1-piece) 2,858–3,799 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
Modular (2-modules) 120" L x 90" W x 78" H
Module 1: 2,132 lbs., Module 2: 2,107 lbs.
Assembled (1-piece) 240" L x 90" W x 78" H; 4,239 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" or 4"; 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

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						
2500								1.1	710	1.3	790	1.6	870	1.8	930	2.1	1000	2.4	1050	
3000						1.0	640	1.3	730	1.5	810	1.8	880	2.0	950	2.3	1010	2.6	1070	
3500						1.2	660	1.4	750	1.7	830	2.0	900	2.3	960	2.6	1020	2.9	1080	
4000						1.4	680	1.6	770	1.9	840	2.2	910	2.5	980	2.9	1040	3.2	1100	5 HP HIGH SPEED
4500						1.6	710	1.9	790	2.2	860	2.5	930	2.8	990	3.2	1050	3.5	1110	
5000				1.6	670	1.9	740	2.1	810	2.5	880	2.8	940	3.1	1000	3.5	1060	3.9	1120	
5500		1.6	640	1.9	710	2.2	770	2.5	840	2.8	900	3.1	960	3.5	1020	3.8	1080	4.2	1130	
6000	3 HP LOW SPEED	2.0	690	2.2	750	2.5	810	2.8	870	3.1	920	3.5	980	3.9	1040	4.2	1090	4.6	1150	
6500		2.4	740	2.6	790	2.9	850	3.2	900	3.6	950	3.9	1000	4.3	1060	4.7	1110	5.1	1160	7.5 HP MED
7000		2.8	790	3.1	830	3.4	880	3.7	930	4.0	980	4.4	1030	4.8	1080	5.2	1130	5.6	1170	
7500	5 HP LOW SPEED	3.3	830	3.6	880	3.9	920	4.2	970	4.6	1010	4.9	1050	5.3	1100	5.7	1140	6.1	1190	
8000		3.9	880	4.2	920	4.5	960	4.8	1000	5.1	1040	5.5	1080	5.9	1120	6.3	1160	6.7	1200	7.5 HP HIGH SPEED
8500	5 HP MED SPEED	4.5	930	4.8	960	5.1	1000	5.4	1030	5.8	1070	6.1	1100	6.5	1140	6.9	1180	7.3	1210	
9000		5.2	970	5.5	1000	5.8	1030	6.1	1060	6.4	1100	6.8	1130	7.1	1160	7.5	1190	7.9	1220	
9500	7.5 HP LOW SPEED	5.9	1010	6.2	1040	6.5	1060	6.8	1090	7.1	1120	7.5	1150	7.8	1180	8.2	1210	8.5	1230	
10000		6.7	1040	7.0	1070	7.3	1090	7.6	1120	7.9	1140	8.2	1170	8.5	1190	8.9	1220	9.2	1240	10 HP HIGH SPEED
10500	7.5 HP MED SPEED	7.5	1080	7.8	1100	8.1	1120	8.4	1140	8.7	1160	9.0	1190	9.3	1210	9.6	1230	10.0	1250	
11000		8.4	1100	8.6	1120	8.9	1140	9.2	1160	9.5	1180	9.8	1200							
		10 HP MED SPEED								10 HP 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			
10.0	208-230	60	Three	25.4-24	57.2	80	25.4-24	57.2	80	22.0-22.0	49.5	70
	460	60	Three	12	27.0	35	12	27.0	35	11	24.8	35
	575	60	Three	9.6	21.6	30	9.6	21.6	30			

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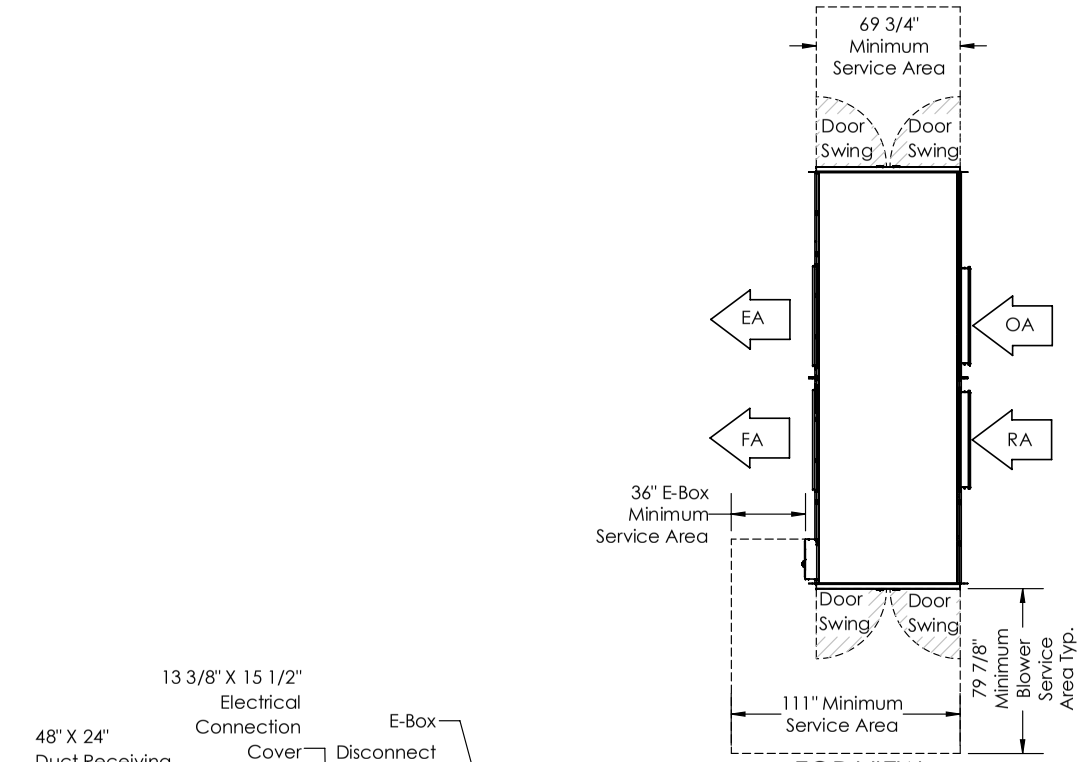

ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

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.

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.