LE 8XINV

Energy Recovery Ventilator
Standard

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: 2,000-8,800 CFM

AHRI 1060 Certified Core: Eight L125-G5

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

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

Unit Weight:
Modular (per module) 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 for low, medium or high blower speed (see table below)

Options:
Spring vibration isolators
Onboard variable frequency drives (VFDs) - both airstreams
Shaft grounding ring on motors with VFDs
Fused disconnect
Integrated programmable controls - enhanced, premium
Class 1 low leakage motorized isolation dampers - OA, RA or both airstreams
Qty. 2, 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)
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

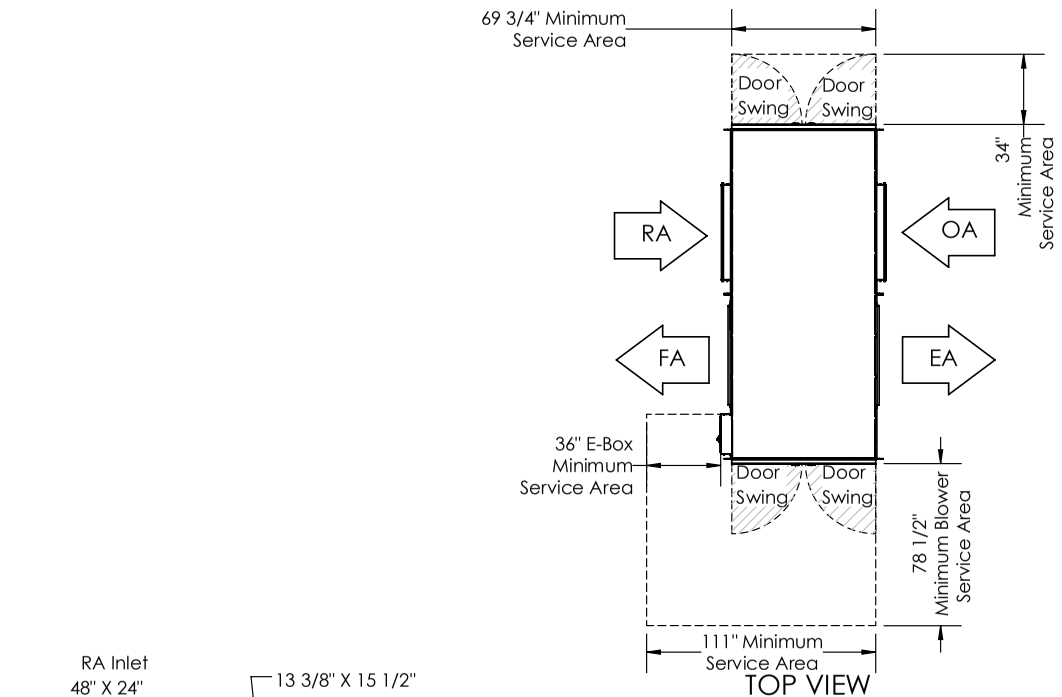
Airflow CFM	External Static Pressure (in.w.g.)																			
	0.00		0.25		0.50		0.75		1.00		1.25		1.50		1.75		2.00			
	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM		
							3 HP LOW SPEED				3 HP MED SPEED		3 HP HIGH SPEED							
2000							1.0	680	1.3	790	1.5	870	1.8	940	2.0	1000	2.2	1060		
3000					1.1	640	1.4	740	1.7	820	2.0	890	2.3	960	2.6	1020	2.9	1070		
4000					1.6	710	1.9	790	2.2	860	2.6	920	2.9	990	3.2	1040	3.6	1100		
4500			1.5	660	1.8	740	2.2	810	2.5	880	2.9	940	3.2	1000	3.6	1060	4.0	1110	5 HP HIGH SPEED	
5000			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		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		
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	7.5 HP	
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	3 HP LOW SPEED	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		3.2	820	3.7	880	4.2	940	4.8	990	5.3	1050	5.9	1100	6.5	1140	7.1	1190				
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				
8250	5 HP LOW SPEED	3.7	860	4.2	920	4.8	970	5.4	1030	5.9	1080	6.5	1120	7.1	1170						
8500		4.0	880	4.5	930	5.1	990	5.7	1040	6.3	1090	6.9	1140	7.5	1180						
8800		4.3	900	4.9	960	5.5	1010	6.1	1060	6.7	1110	7.3	1150								
				5 HP MED SPEED		7.5 HP LOW SPEED		7.5 HP MED SPEED													

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

ELECTRICAL DATA

Standard Electrical Specifications							Optional Factory Installed VFD Electrical Specifications		
HP	Volts	HZ	Phase	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	14.7-14	33.1	40	9.38-8.48	40.2	45
3.0	208-230	60	Three	9.38-8.48	21.1	25	9.38-8.48	23.2	25
	460	60	Three	4.24	9.5	15	4.24	10.5	15
	575	60	Three	3.3	7.4	15	3.3	8.2	15
5.0	208-230	60	Three	14.5-13.4	32.6	45	14.5-13.4	35.9	45
	460	60	Three	6.7	15.1	20	6.7	16.6	20
	575	60	Three	5.3	11.9	15	5.3	13.1	15
7.5	208-230	60	Three	21.0-19.0	47.3	60	21.0-19.0	52.0	60
	460	60	Three	9.5	21.4	25	9.5	23.5	25
	575	60	Three	7.6	17.1	20	7.6	18.8	20

LE8XINV Energy Recovery Ventilator Standard



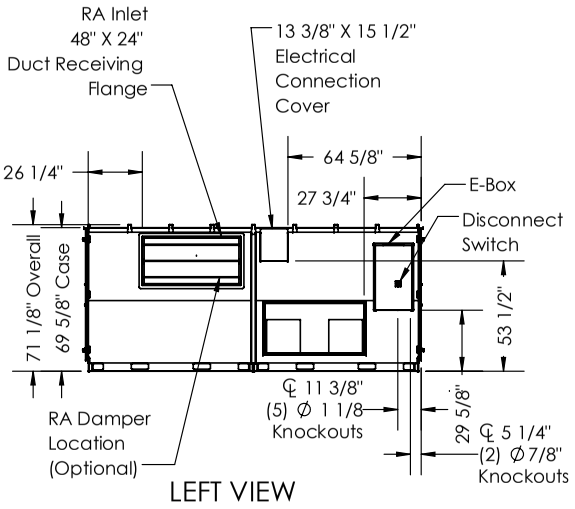
ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

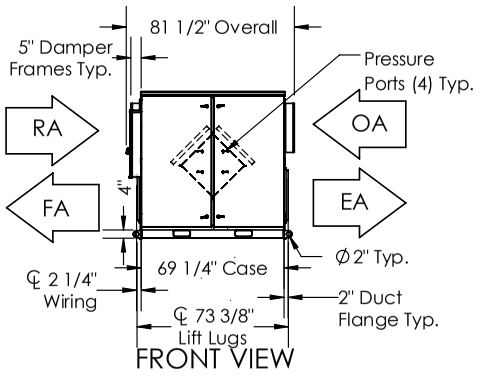
INSTALLATION ORIENTATION
Unit must be installed in orientation shown.

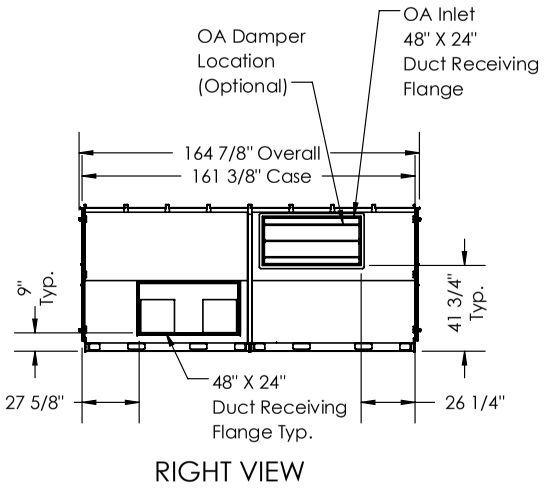
NOTE
1.UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

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 in dimension drawing.

UNIT MOUNTING & APPLICATION

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