

LE 6XINH

Energy Recovery Ventilator Standard



INDOOR UNIT



LE6XINV shown

Energy Recovery Core is AHRI Certified®



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Typical Airflow Range: 1,500-6,600 CFM

AHRI 1060 Certified Core: Six 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. 12, MERV 8: 20" x 25" x 2"

Unit Weight:

Modular (per module) 943-1,367 lbs., varies by option(s)

Assembled (1-piece) 1,975-2,630 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

Modular (2-modules) 80" L x 90" W x 78" H

Module 1 - 1,508 lbs., Module 2 - 1,406 lbs.

Assembled (1-piece) 160" L x 90" W x 78" H - 2,630 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

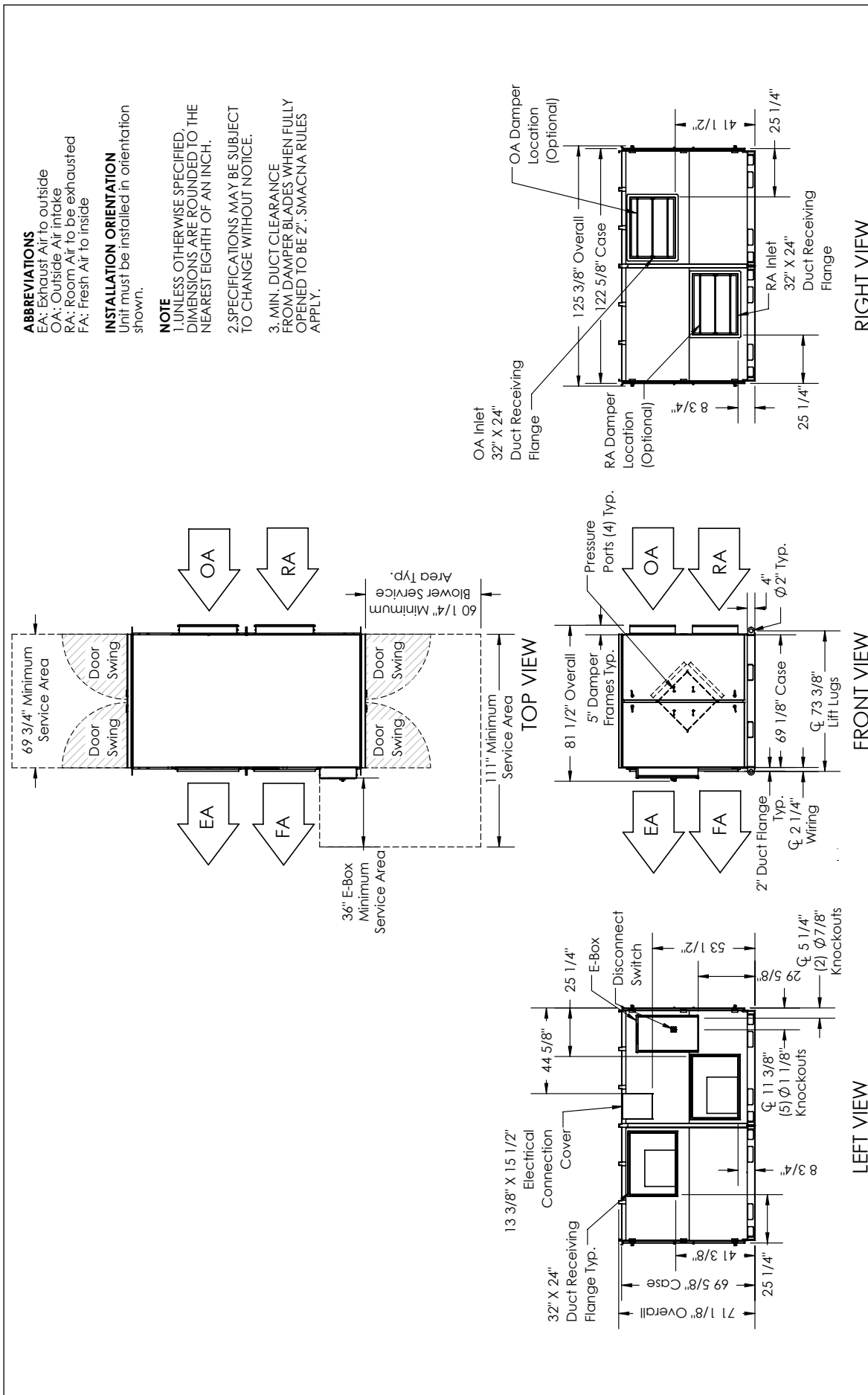
Airflow CFM	External Static Pressure (in.w.g.)																			
	0.00		0.25		0.50		0.75		1.00		1.25		1.50		1.75		2.00			
	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM		
	3 HP LOW SPEED																			
1500									0.9	820	1.1	900	1.3	960	1.4	1020	1.6	1080		
2000									1.1	850	1.3	930	1.5	990	1.7	1050	1.9	1100		
2500							1.1	770	1.3	870	1.5	950	1.7	1010	1.9	1060	2.1	1110		
3000							1.4	800	1.6	890	1.8	960	2.0	1020	2.2	1080	2.4	1130		
3500							1.7	840	1.9	910	2.1	980	2.4	1040	2.6	1090	2.8	1140		
3750					1.7	780	1.9	860	2.1	920	2.3	990	2.6	1040	2.8	1100	3.1	1150		
4000					1.9	810	2.1	880	2.3	940	2.6	1000	2.8	1050	3.0	1110	3.3	1160		
4250				2.0	780	2.2	840	2.3	900	2.6	960	2.8	1010	3.0	1060	3.3	1120	3.6	1170	
4500									2.6	920	2.8	970	3.1	1030	3.3	1080	3.6	1130	3.9	1180
4750	3 HP LOW SPEED	2.1	770	2.2	820	2.4	870	2.6	920	2.8	970	3.1	1030	3.3	1080	3.6	1130	3.9	1180	
5000		2.4	810	2.5	850	2.7	900	2.9	950	3.1	990	3.3	1040	3.6	1090	3.9	1140	4.2	1190	
5250		2.7	850	2.8	890	3.0	930	3.2	970	3.4	1010	3.7	1060	3.9	1110	4.2	1150	4.5	1210	
		3.0	880	3.2	920	3.4	960	3.5	990	3.8	1030	4.0	1080	4.3	1120	4.6	1170	4.9	1220	
5500		3.4	910	3.5	950	3.7	980	3.9	1020	4.1	1060	4.4	1100	4.7	1140	5.0	1190	5.4	1240	
5750	5 HP LOW SPEED	3.8	950	3.9	980	4.1	1010	4.3	1040	4.5	1080	4.8	1120	5.1	1160	5.4	1200	5.8	1260	
6000		4.2	980	4.3	1000	4.5	1030	4.7	1070	5.0	1100	5.2	1140	5.5	1180	5.9	1220	6.3	1270	
6250		4.6	1000	4.8	1030	5.0	1060	5.2	1090	5.4	1120	5.7	1160	6.0	1190	6.3	1240	6.8	1290	
6500		5.1	1030	5.2	1060	5.4	1080	5.6	1110	5.9	1140	6.2	1170	6.5	1210	6.8	1250	7.3	1300	
6600		5.3	1040	5.4	1070	5.6	1090	5.8	1120	6.1	1150	6.4	1180	6.7	1220	7.0	1260	7.5	1310	
		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

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



AIRFLOW ORIENTATION
 Available as shown in dimension drawing.

