

LE 8XINH

Energy Recovery Ventilator Standard



INDOOR UNIT



LE8XINH shown

Energy Recovery Core is AHRI Certified®



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) 1,214-1,672 lbs., varies by option(s)
Assembled (1-piece) 2,479-3,279 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
Modular (2-modules) 100" L x 90" W x 78" H
Module 1 - 1,852 lbs., Module 2 - 1,789 lbs.
Assembled (1-piece) 200" L x 90" W x 78" H - 3,638 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				
2000							3 HP LOW SPEED				3 HP MED SPEED		3 HP HIGH SPEED									
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
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	3 HP LOW SPEED	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	5 HP HIGH SPEED		
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	7.5 HP HIGH SPEED		
6500		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			
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



