

LE 6XINV

Energy Recovery Ventilator Standard



INDOOR UNIT



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) 715-1,622 lbs., varies by option(s)
Assembled (1-piece) 1,984-2,640 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
Modular (2-modules) 80" L x 90" W x 78" H
Module 1 - 1,763 lbs., Module 2 - 1,159 lbs.
Assembled (1-piece) 160" L x 90" W x 78" H - 2,922 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

Energy Recovery Core is AHRI Certified®



AIRFLOW PERFORMANCE

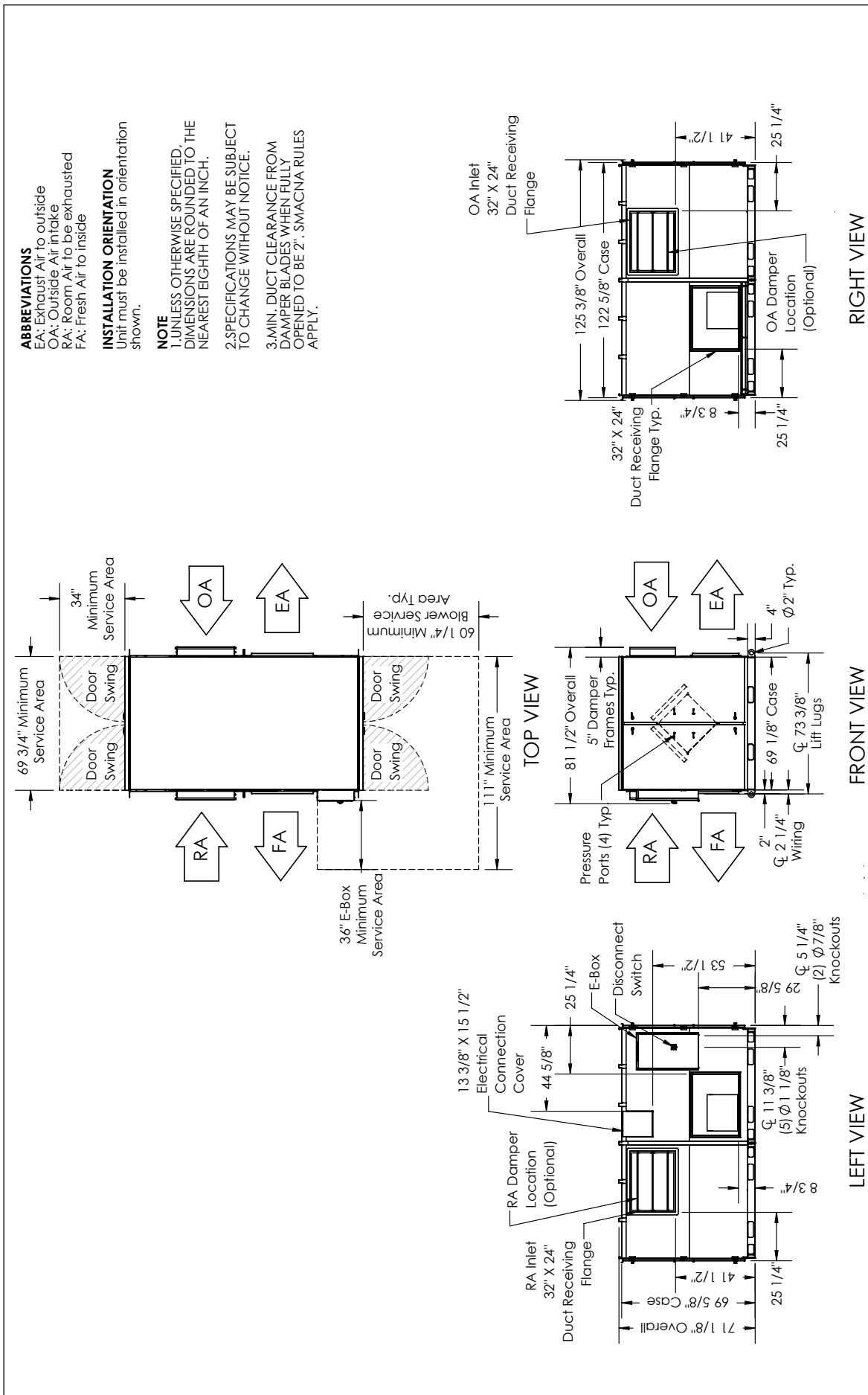
| Airflow CFM | External Static Pressure (in.w.g.) | | | | | | | | | | | | | | | | | | | |
|------------------|------------------------------------|-----|------|-----|------|-----|------|-----|------|------------------|------|-----|------|-----|------|-----|------|-----|----------------|--|
| | 0.00 | | 0.25 | | 0.50 | | 0.75 | | 1.00 | | 1.25 | | 1.50 | | 1.75 | | 2.00 | | 5 HP MED SPEED | |
| | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | | |
| 1500 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 2000 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 2500 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 3000 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 3500 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 3750 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 4000 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 4250 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 4500 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 4750 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 5000 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 5250 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 5500 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 5750 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 6000 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 6250 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 6500 | 3 HP LOW SPEED | | | | | | | | | | | | | | | | | | | |
| 6600 | 3 HP LOW 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 |
| | 208-230 | 60 | Three | 9.38-8.48 | 21.1 | 25 | 9.38-8.48 | 23.2 | 25 |
| | 460 575 | 60 60 | Three Three | 4.24 3.3 | 9.5 7.4 | 15 15 | 4.24 3.3 | 10.5 8.2 | 15 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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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.