

ROOFTOP UNIT



LE6XRT shown

Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type: Static plate, heat and humidity transfer

Typical Airflow Range: 1,250–5,500 CFM

AHRI 1060 Certified Core: Five L125-G5

Standard Features:

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

Filters: Total qty. 10, MERV 8: 20" x 25" x 2"

Unit Weight (LE5X units not available in two modules):

Assembled (1-piece) 1,782–2,334 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

Assembled (1-piece) 120" L x 90" W x 78" H; 2,554 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: SA, EA or both airstreams
- Factory mounted filter alarms: both airstreams
- Double wall construction
- Exterior paint - white, custom colors

Accessories:

- Filters: MERV 13, 2" and 4" (shipped loose)
- MERV 8, 4" (shipped loose)
- Automatic balancing damper: 4", 5", 6"
- Roof curb: standard 14"
- Curb wind clip
- Engineered combo curb for Carrier RTU
- Engineered combo curb for Trane RTU
- 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 | | LE5XRT 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 | |
| | | MOTOR WITH VFD | | | | 2 HP LOW SPEED | | | | | | 2 HP MED SPEED | | 2 HP HIGH SPEED | | | | | | 3 HP MED SPEED |
| 1250 | MOTOR WITH VFD | 0.4 | 410 | 0.5 | 540 | 0.6 | 640 | 0.8 | 730 | 0.9 | 810 | 1.1 | 880 | 1.2 | 950 | 1.5 | 1020 | 1.7 | 1080 | |
| 1500 | | 0.5 | 450 | 0.6 | 570 | 0.7 | 670 | 0.9 | 750 | 1.0 | 830 | 1.2 | 900 | 1.4 | 970 | 1.6 | 1030 | 1.8 | 1090 | |
| 2000 | | 0.6 | 520 | 0.7 | 620 | 0.9 | 710 | 1.1 | 790 | 1.2 | 860 | 1.4 | 930 | 1.6 | 1000 | 1.8 | 1060 | 2.1 | 1120 | |
| 2500 | | 0.8 | 580 | 0.9 | 670 | 1.1 | 750 | 1.3 | 830 | 1.5 | 900 | 1.7 | 970 | 1.9 | 1030 | 2.1 | 1090 | 2.3 | 1140 | |
| 3000 | 2 HP LOW SPEED | 1.1 | 650 | 1.2 | 720 | 1.4 | 790 | 1.6 | 870 | 1.8 | 940 | 2.1 | 1000 | 2.3 | 1060 | 2.5 | 1110 | 2.7 | 1160 | |
| 3250 | | 1.2 | 680 | 1.4 | 750 | 1.6 | 820 | 1.8 | 890 | 2.0 | 960 | 2.3 | 1020 | 2.5 | 1080 | 2.7 | 1120 | 2.8 | 1160 | |
| 3500 | | 1.4 | 710 | 1.6 | 780 | 1.8 | 850 | 2.0 | 920 | 2.2 | 990 | 2.5 | 1040 | 2.7 | 1090 | 2.9 | 1130 | 3.0 | 1170 | |
| 3750 | | 1.6 | 740 | 1.8 | 810 | 2.0 | 880 | 2.2 | 950 | 2.5 | 1010 | 2.7 | 1060 | 2.9 | 1100 | 3.1 | 1140 | 3.2 | 1180 | |
| 4000 | 3 HP LOW SPEED | 1.8 | 780 | 2.0 | 840 | 2.3 | 910 | 2.5 | 970 | 2.7 | 1030 | 2.9 | 1080 | 3.1 | 1120 | 3.3 | 1150 | 3.5 | 1190 | |
| 4250 | | 2.1 | 810 | 2.3 | 880 | 2.5 | 940 | 2.8 | 1000 | 3.0 | 1050 | 3.2 | 1090 | 3.4 | 1130 | 3.6 | 1160 | 3.7 | 1190 | |
| 4500 | | 2.4 | 850 | 2.6 | 910 | 2.8 | 970 | 3.1 | 1030 | 3.3 | 1070 | 3.5 | 1110 | 3.7 | 1140 | 3.9 | 1170 | 4.0 | 1200 | |
| 4750 | | 2.7 | 890 | 2.9 | 950 | 3.2 | 1000 | 3.4 | 1050 | 3.6 | 1090 | 3.8 | 1120 | 4.0 | 1150 | 4.2 | 1180 | 4.3 | 1200 | |
| 5000 | 5 HP LOW SPEED | 3.1 | 930 | 3.3 | 980 | 3.5 | 1030 | 3.8 | 1070 | 4.0 | 1110 | 4.2 | 1140 | 4.3 | 1160 | 4.5 | 1190 | 4.7 | 1210 | |
| 5250 | | 3.4 | 970 | 3.7 | 1020 | 3.9 | 1060 | 4.1 | 1090 | 4.3 | 1120 | 4.5 | 1150 | 4.7 | 1170 | 4.9 | 1190 | | | |
| 5500 | | 3.9 | 1000 | 4.1 | 1040 | 4.3 | 1080 | 4.5 | 1110 | 4.8 | 1130 | 4.9 | 1160 | | | | | | | |
| | | 5 HP LOW SPEED | | | | 5 HP MED SPEED | | | | | | 5 HP HIGH SPEED | | | | | | | | |

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

ELECTRICAL DATA

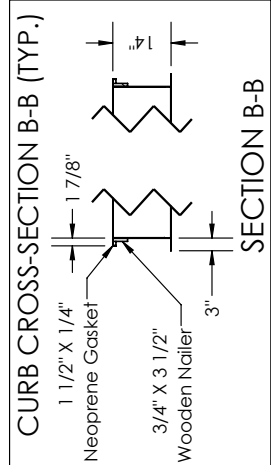
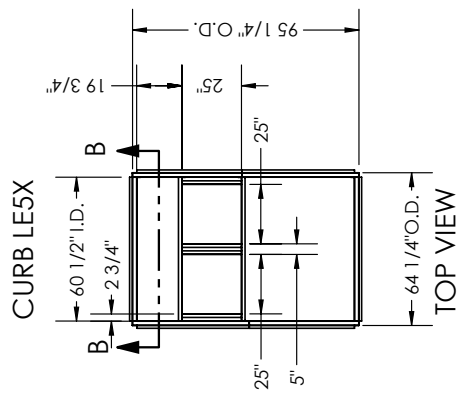
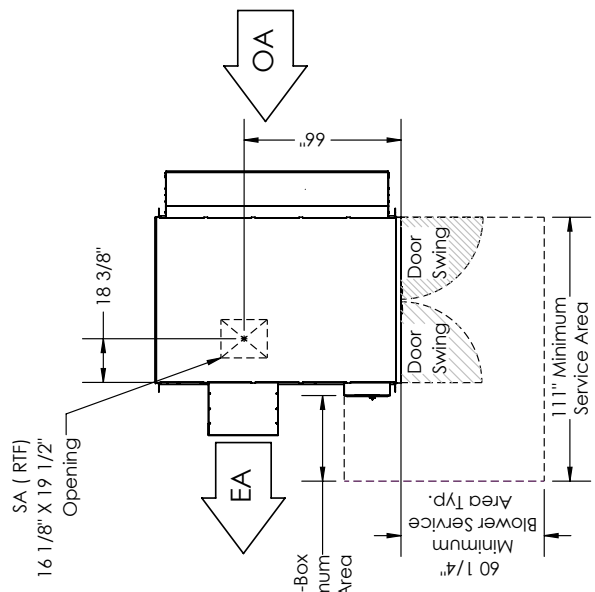
| Electrical Specifications | | | | Motor Starters (Standard) | | | Optional IE3 Efficiency Motor with VFDs | | | Optional IE5+ Efficiency Motor with VFDs | | |
|---------------------------|---------|----|--------|---------------------------|----------------|------------------------------------|---|----------------|------------------------------------|--|----------------|------------------------------------|
| 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 |
| 2.0 | 120 | 60 | Single | 20.0 | 45.0 | 60 | | | | | | |
| 2.0 | 208-230 | 60 | Single | 10.8-10.0 | 24.3 | 35 | 6.6-5.8 | 25.7 | 35 | 4.5-4.5 | 17.5 | 25 |
| | 208-230 | 60 | Three | 6.6-5.8 | 14.9 | 20 | 6.6-5.8 | 14.9 | 20 | 4.5-4.5 | 10.1 | 15 |
| | 460 | 60 | Three | 2.9 | 6.5 | 15 | 2.9 | 6.5 | 15 | 2.3 | 5.2 | 15 |
| | 575 | 60 | Three | 2.3 | 5.2 | 15 | 2.3 | 5.2 | 15 | | | |
| 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 | | | |

LE5XRTH/RTF ENERGY RECOVERY VENTILATOR

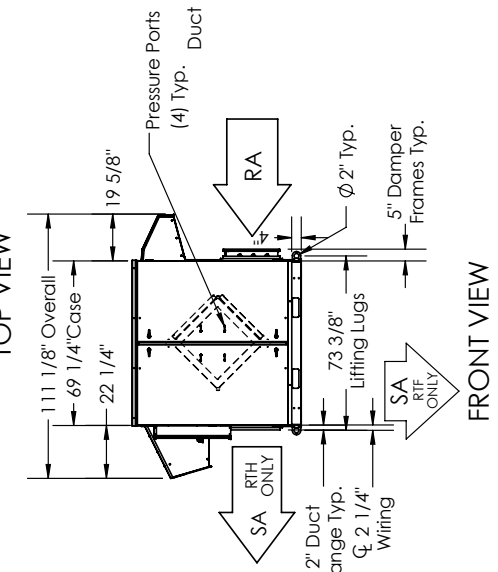
ABBREVIATIONS
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 SA: Supply Air to inside
 RTF: Rooftop Vertical SA Only
 RTH: Rooftop Horizontal RA & SA

INSTALLATION ORIENTATION
 Unit must be installed in orientation shown.

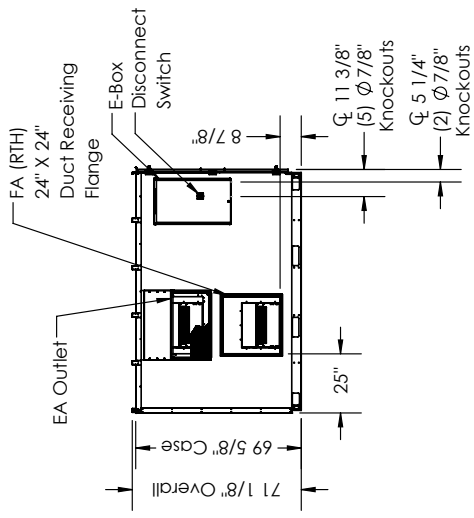
NOTE:
 1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
 2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



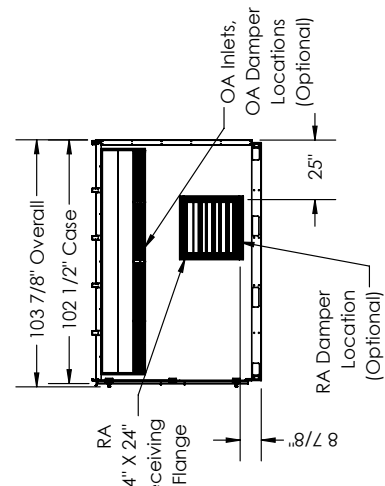
TOP VIEW



FRONT VIEW



LEFT VIEW



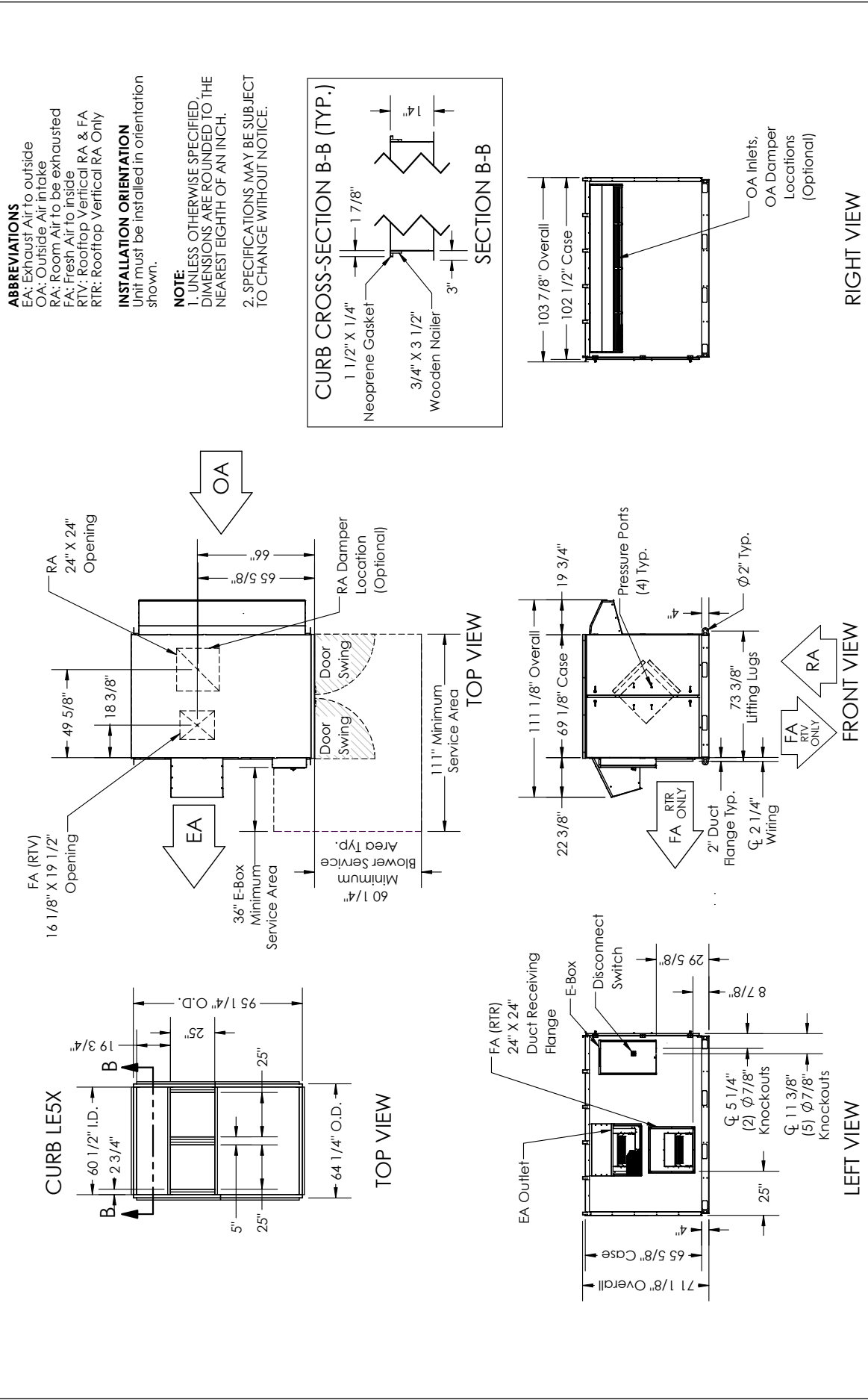
SECTION B-B

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.



LE5XRTRV/RTR ENERGY RECOVERY VENTILATOR



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.

