

HE1XRT

ROOFTOP UNIT



Download specification at:
renewaire.com/specifications

Energy Recovery Ventilator Standard



SPECIFICATIONS

Ventilation Type:
 Static plate, heat and humidity transfer

Typical Airflow Range: 250-870 CFM

AHRI 1060 Certified Core: One L125-G5

Standard Features:
 Non-fused disconnect
 24 VAC transformer/relay package
 Cross-core differential pressure ports

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

Unit Dimensions & Weight:
 81" L x 40 1/4" W x 44" H
 243-346 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
 96" L x 47" W x 50" H
 441 lbs.

Motor(s):
 Qty. 2, 0.75 HP ea., Direct drive blower/standard motor packages

Options:
 Qty. 2, Variable Speed/ECM - Direct Drive Motors (see HE1XRT EC Motor submittal) -
 0.5 HP 120V/1Ph/60HZ,
 0.5 HP 208-230V/1Ph/60HZ
 Independent blower control
 Onboard variable frequency drives (VFDs) - one or both airstreams
 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" (shipped loose)
 Backdraft damper 12"
 Solid state speed control kit - 115V, 208-230V (1 required per motor)
 Roof curb - standard 14"
 Curb wind clip
 Engineered combo curb for Trane RTU
 Engineered combo curb for Carrier 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)
 Electric duct heater - EK series (1-175 kW); designed for indoor ductwork installation only
 Indirect gas-fired duct furnace - GH series (50-400 MBH), installed downstream of any fans

AIRFLOW PERFORMANCE

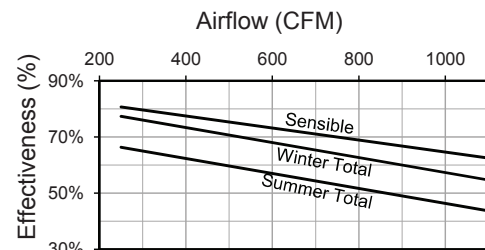
Motor HP Phase	External Static Pressure (Inches Water Column)					
	0.0	0.5	1.0	1.25	1.45	1.75
0.75 Single Phase	950 CFM 1,630 Watts	820 CFM 1,475 Watts	730 CFM 1,385 Watts	650 CFM 1,300 Watts	560 CFM 1,220 Watts	250 CFM 1,080 Watts
0.75 Three Phase	950 CFM 1,430 Watts	820 CFM 1,255 Watts	730 CFM 1,155 Watts	650 CFM 1,060 Watts	560 CFM 955 Watts	250 CFM 685 Watts

Note: Watts is for the entire unit (2 motors).
Note: Airflow performance includes effect of clean, standard filter supplied with unit.

ELECTRICAL DATA

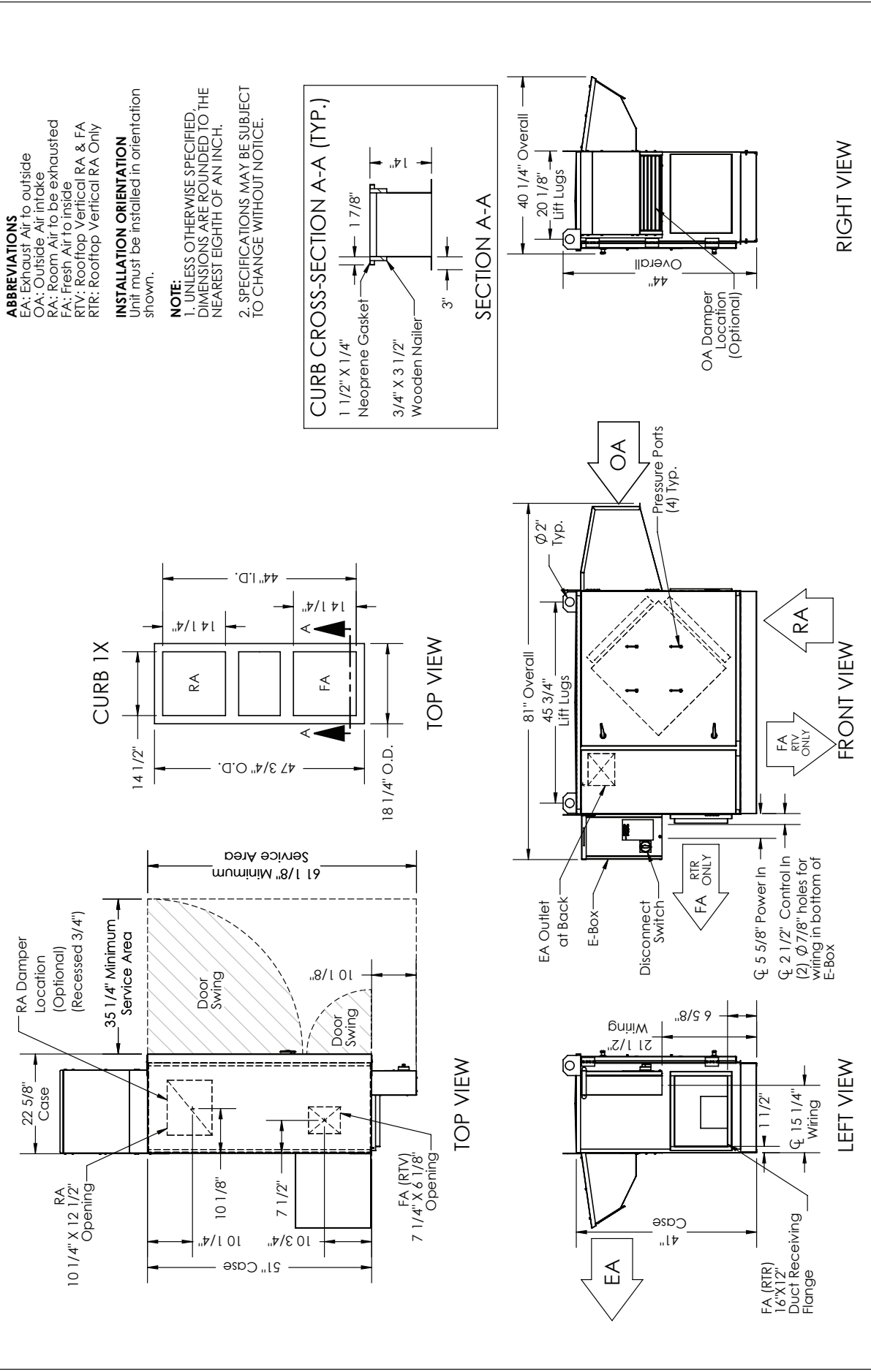
Standard Electrical Specifications							Optional Factory Installed VFD Electrical Specifications		
HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
0.75	120	60	Single	9.0	20.3	25			
0.75	208-230	60	Single	4.5	10.1	15			
0.75	277	60	Single	3.9	8.8	15			
0.75	208-230	60	Three	1.7-2.3	5.2	15	1.7-2.3	5.7	15
0.75	460	60	Three	1.15	2.6	15	1.15	2.8	15

CORE PERFORMANCE



At AHRI 1060 standard conditions.
 See all AHRI certified ratings at www.ahrinet.org.

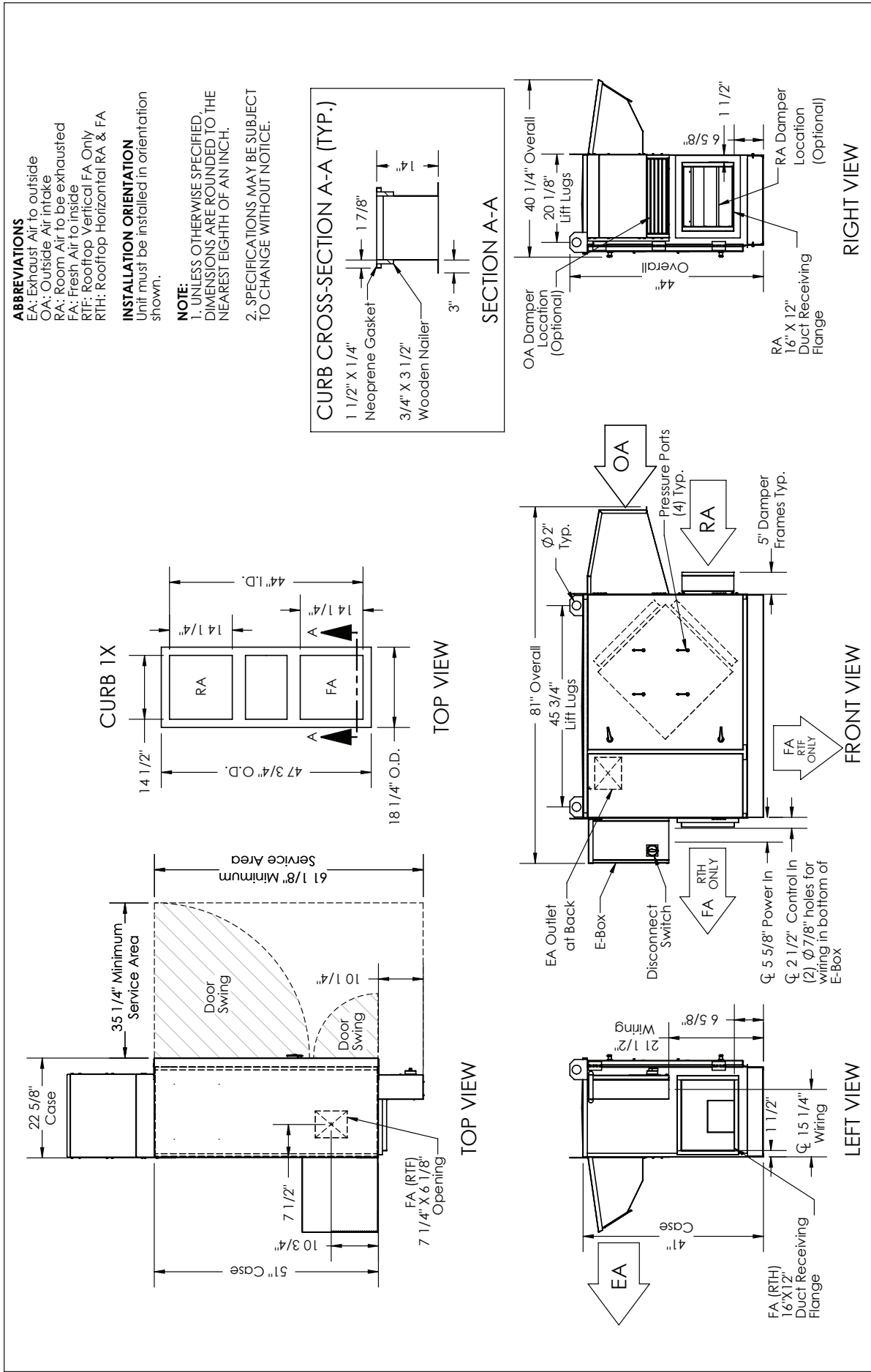
HE1XR (RTV/RTR) Energy Recovery Ventilator Standard



AIRFLOW CONFIGURATION
 Available as shown:

UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams can not be switched.

HE1XRT (RTH/RTF) Energy Recovery Ventilator Standard



AIRFLOW CONFIGURATION
 Available as shown:



UNIT MOUNTING & APPLICATION
 Must be mounted as shown. Airstreams can not be switched.