

# HE1XRT

## Energy Recovery Ventilator Standard



### ROOFTOP UNIT



Download specification at:  
[renewaire.com/specifications](http://renewaire.com/specifications)

### 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

**Filters:**

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

**Unit Dimensions & Weight:**

81" L x 40 1/4" W x 42 1/4" H  
243-330 lbs., varies by option(s)

**Max. Shipping Dimensions & Weight (on pallet):**

96" L x 47" W x 50" H  
425 lbs.

**Motor(s):**

Qty. 2, 0.75 HP ea., Direct drive blower/standard motor packages

**Options:**

Qty. 2, EC Motor (see HE1XRT EC Motor submittal) -  
0.5 HP 120V/1Ph/60HZ,  
0.5 HP 208-230V/1Ph/60HZ  
Integrated programmable controls  
Fused disconnect  
Double wall construction  
Factory supplied and mounted variable frequency drives (VFDs) - one or both airstreams  
Motorized isolation dampers - OA, EA or both airstreams  
Qty. 2, Factory mounted filter alarms  
Independent blower control  
Exterior paint - white, custom colors

**Accessories:**

Filters - MERV 13, 2" (shipped loose)  
Backdraft damper 12"  
Solid state speed control kit - 115V, Qty. 1,  
208-230V, Qty. 1  
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)  
Motion occupancy control - ceiling mount (MC-C),  
wall mount (MC-W)  
Carbon dioxide control - wall mount (CO2-W),  
duct mount (CO2-D)  
Electric duct heater - EK series (1-60 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

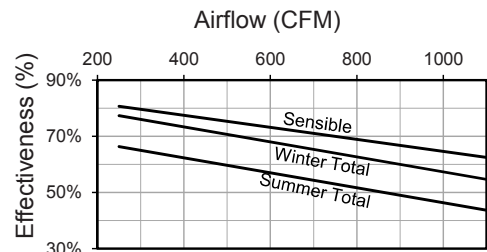
**Note:** Watts is for the entire unit (2 motors).

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

### ELECTRICAL DATA

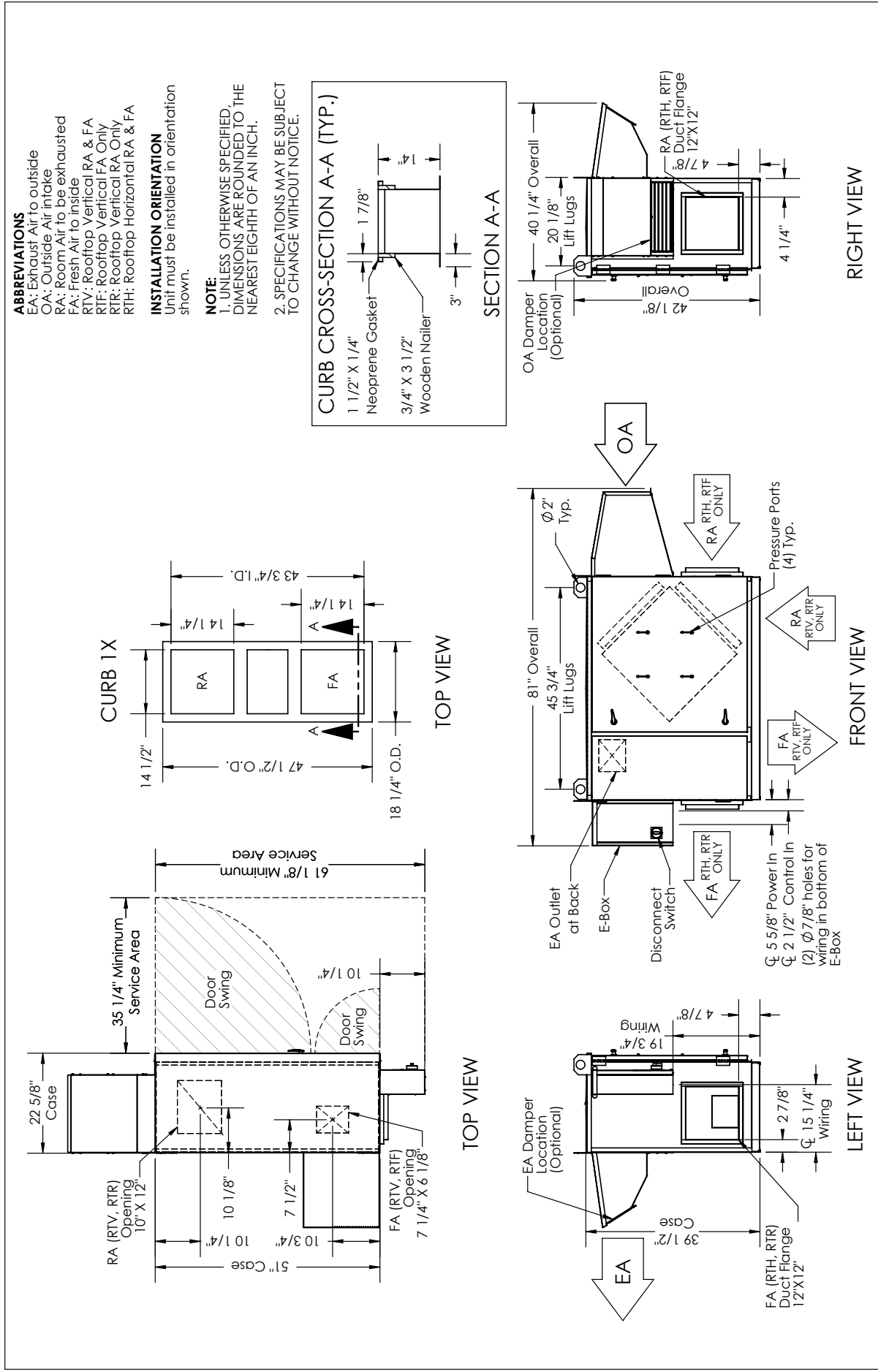
Standard Electrical Specifications							Optional Factory Installed VFD Electrical Specifications		
HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
0.75	120	60	Single	9.0	20.3	25			
0.75	208-230	60	Single	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](http://www.ahrinet.org).



**AIRFLOW CONFIGURATION**  
 Available as shown:

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