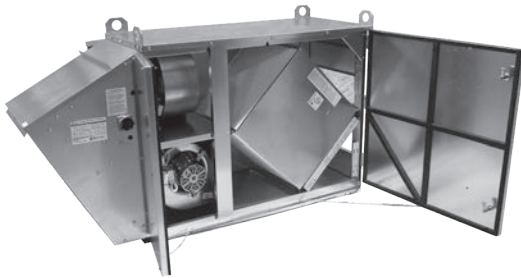


# HE 1XRTC

## Energy Recovery Ventilator EC Motor Option



### ROOFTOP UNIT Direct Connect



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

### SPECIFICATIONS

**Ventilation Type:**

Static plate, heat and humidity transfer

**Typical Airflow Range:** 500-1,100 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:**

73 1/4" L x 40 1/4" W x 50" H  
272-358 lbs., varies by option(s)

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

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

**Motor(s):**

Qty. 2, 0.5 HP, Direct drive EC blower/  
motor packages

**Options:**

Fused disconnect  
Integrated programmable controls - enhanced, premium  
Qty. 2, Factory mounted filter alarms - both airstreams  
Double wall construction  
Exterior paint - white, custom colors

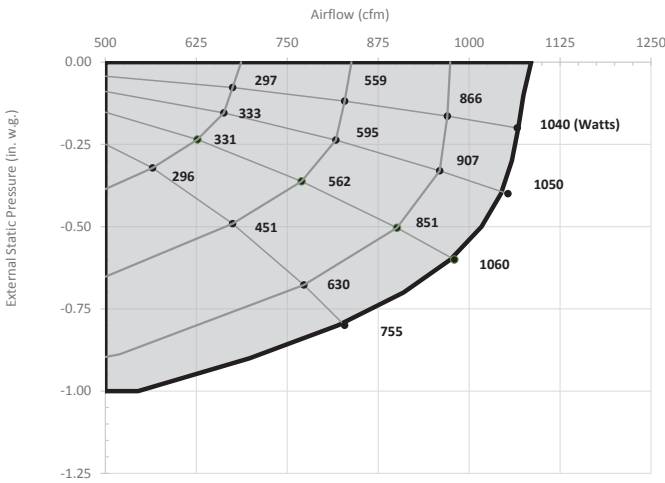
**Accessories:**

Filters - MERV 13, 2" (shipped loose)  
RTC transition kit - for vertical RTU, for horizontal RTU  
Rooftop RTC transition paint - white, custom colors  
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)

**Note:** Electric Duct Heater and Indirect Gas-Fired Duct Furnace are not available on RTC units.

### EC MOTOR OPTION OPERATING RANGE

Tie-In Directly to Rooftop A/C Unit\*



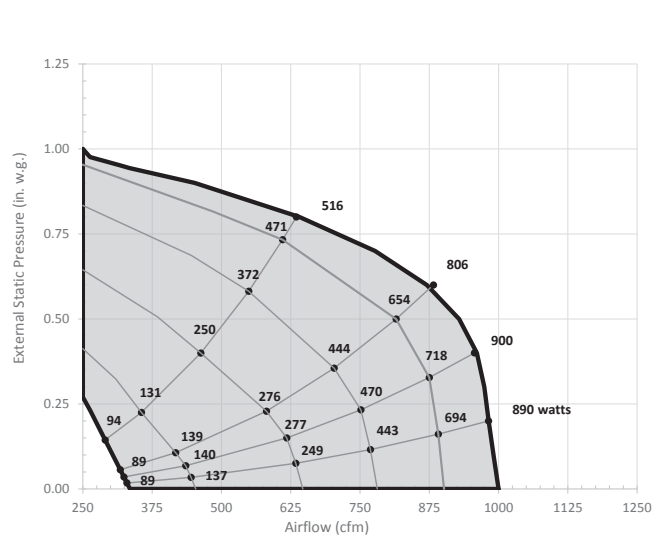
**Note:** Airflow performance includes effect of clean, standard filter supplied with unit.

● = Actual tested sample points

\* See page 38 for installation details.

### EC MOTOR OPTION OPERATING RANGE

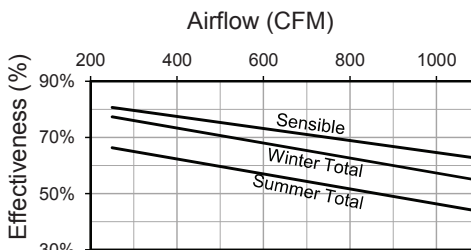
Unit Ducted Independently\*



### ELECTRICAL DATA

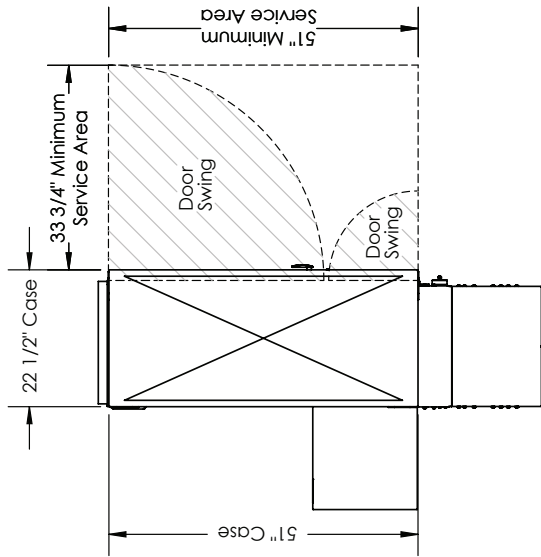
HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
0.5	120	60	Single	8.1	18.2	25
0.5	208-230	60	Single	4.8	10.8	15

### CORE PERFORMANCE



At AHRI 1060 standard conditions. See all AHRI certified ratings at [www.ahrinet.org](http://www.ahrinet.org).

# HE1XRTC Energy Recovery Ventilator EC Motor Option



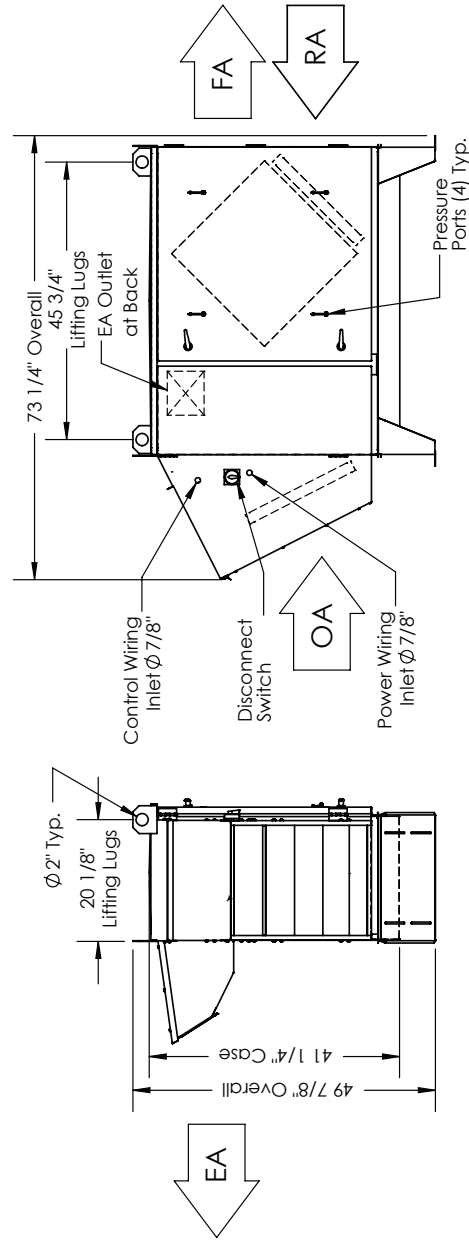
**ABBREVIATIONS**  
 EA: Exhaust Air to outside  
 OA: Outside Air intake  
 RA: Room Air to be exhausted  
 FA: Fresh Air to inside

**INSTALLATION ORIENTATION**  
 Unit must be installed in orientation shown.

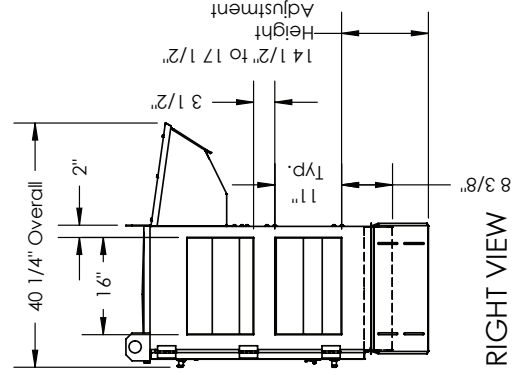
**NOTE**

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



LEFT VIEW



RIGHT VIEW

FRONT VIEW

**AIRFLOW CONFIGURATION**  
 Available as shown in dimension drawing.

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