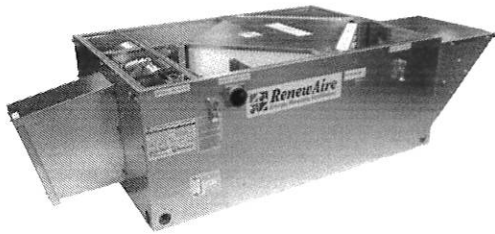


# EV 450 RT



## OUTDOOR UNIT



## SPECIFICATIONS

**Ventilation Type:**

Static Plate, Heat and Humidity Transfer

**Typical Airflow Range:** 240-500 CFM

**AHRI 1060 Certified Core:** One L85-G5

**Number Motors:**

One qty., 0.6 hp (Single Phase)

One qty., 0.5 hp (Three Phase)

**Standard Features:**

Non-fused Disconnect

24 VAC Transformer/Relay Package

**Filters:**

Two total, MERV 8, 2" pleated,  
14" x 20" nominal size

**Weight:**

188 lbs (unit)

263 lbs (shipping weight, on pallet)

**Shipping Dimensions:**

90" L x 45" W x 22" H (on pallet)

**Options:**

ECM Motor (see spec page)

- One qty., 0.5 hp (Single Phase), 115V or 208-230V

Fused Disconnect

Double Wall Construction

Exterior paint – white standard

– custom colors available

Rooftop adaptor transition paint

– white standard

– custom colors available

**Accessories:**

45RTRF - Rooftop Adaptor for RTR and RTF  
airflow orientations

45RTCH - Rooftop Adaptor for RTC and RTH  
airflow orientations

45Curb - ERV450RT Rooftop Curb

45EVCC - EV450RT Tie Down Clip Kit

## MOTOR PERFORMANCE

Volts	HZ	Phase	FLA	Min. Cir. Amps	Max. Overcurrent Protection Device
115	60	Single	7.2	9.0	15
208-230	60	Single	3.9-3.6	4.9	15
277	60	Single	3.5	4.4	15
208-230	60	Three	1.7-1.5	2.1	15
460	60	Three	0.8	1.0	15

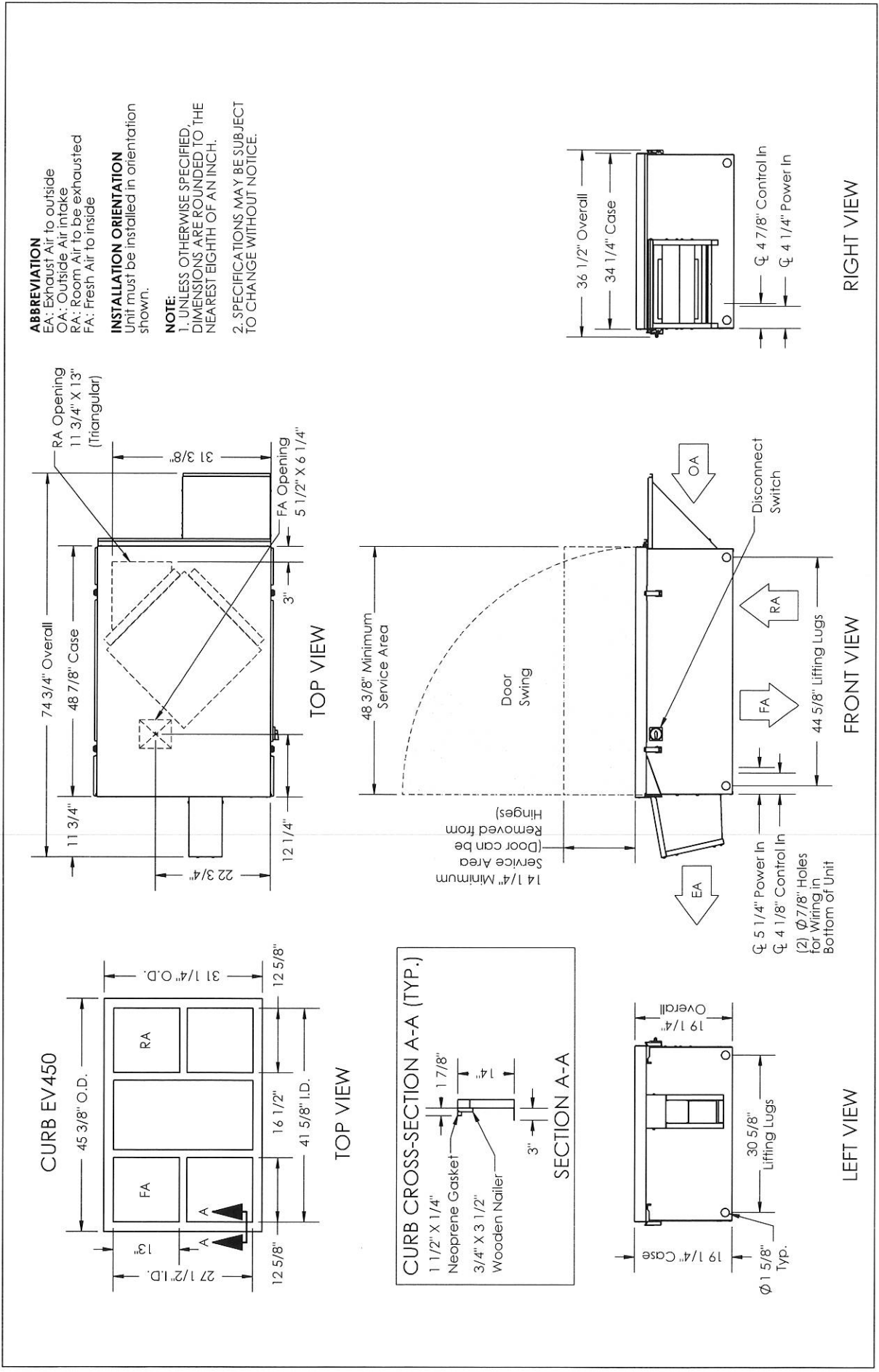
## CORE PERFORMANCE

Airflow CFM	ESP in H <sub>2</sub> O	Watts		Temp EFF%	Total EFF% Winter/Summer*
		1P	3P		
240	1.00	425	243	78	74/63
375	0.75	493	341	74	69/58
450	0.50	534	412	72	66/55
500	0.25	563	461	70	64/53
550	0.00	593	516	68	62/51

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

**Note:** Watts is for the entire unit.

\* At AHRI 1060 standard conditions.



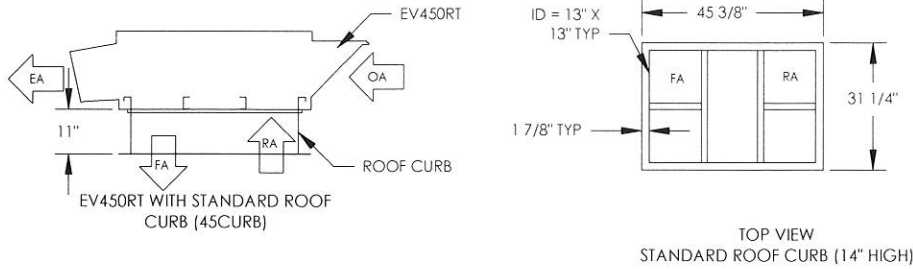
**EV450**  
UNIT DIMENSIONS

# EV450RT & EV450RT ECM

## DUCTING OPTIONS

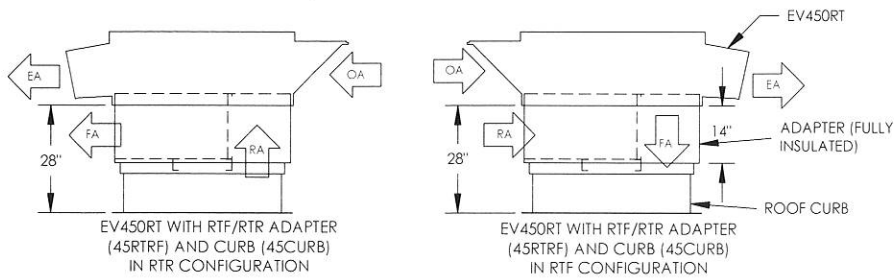
### RTV

Standard Roof Curb Shown (available option). Curbs for sloped roofs or metal roofing are available on a custom basis from RenewAire or from local curb fabricators.



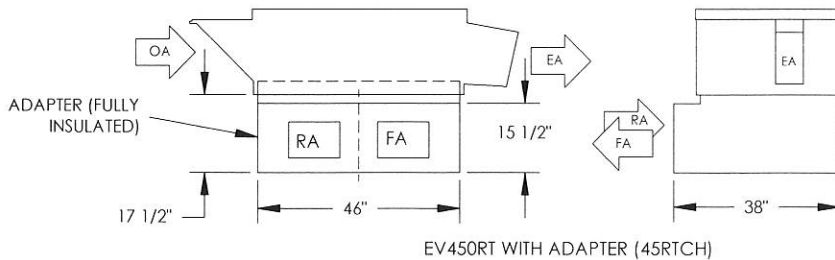
### RTR/RTF

For horizontal connection of either the Fresh Air duct or the Return Air duct, stack the optional RTF/RTR Adapter on the Standard Roof Curb. Duct openings to be field cut into adapter. Opening location and size is flexible.



### RTC/RTH

The RTH/RTC Adapter allows horizontal connection of both the Fresh Air and the Return Air ducts. It is also possible to connect the adapter directly to the return plenum of most Rooftop Units (openings must be cut into RTU). Duct openings to be field cut into adapter. Opening location and size is flexible.



### ABBREVIATIONS

- EA:** Exhaust Air to outdoors
- OA:** Outdoor Air intake
- RA:** Room Air to be exhausted
- FA:** Fresh Air to inside