

# TRCeN1600RT

## ENERGY RECOVERY VENTILATOR EC MOTOR



### NEW! ROOFTOP MODELS



Energy recovery core is AHRI Certified®



### SPECIFICATIONS

**Ventilation Type:** Static plate, heat and humidity transfer

**Airflow Range:** 500–2,200 CFM

**AHRI 1060 Certified Core:** Two L125-G5

**Standard Features:**

- Non-fused disconnect
- 24VAC transformer/relay package
- Cross-core differential pressure ports
- Independent blower control

**Filters:** Total qty. 4, MERV 8: 20" x 20" x 2"

**Unit Weight:** 468–709 lbs.

**Max. Shipping Dimensions & Weight (on pallet):**  
70" L x 47" W x 90 3/4" H  
860 lbs.

**Accessories:**

- Filters: MERV 13, 2" (shipped loose)
- Potentiometer speed control: remote installed
- Roof curb: standard 14"
- Curb wind clip
- Digital time clock: wall mount (STC7D-W),
- Carbon dioxide sensor/control: wall mount (SCO2-W)
- Motion occupancy sensor/control: ceiling mount (SMC-C), wall mount (SMC-W)
- BACnet fan control: wall mount (SPBACNETFC-W)

**Motor(s):**

Qty. 2, 770W ea., Direct drive EC motorized impeller packages (208-230V/1Ph/60HZ)

**Options:**

Qty. 2, Direct drive EC motorized impeller packages 2150W 208-230V/3Ph/60HZ

Dimensional drawing attached for reference

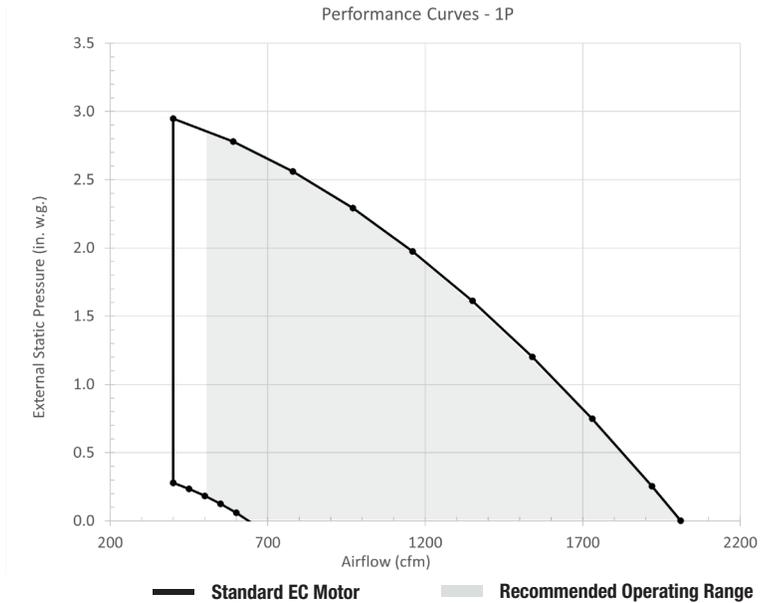
**Models:**

**(HORIZONTAL ORIENTATION)**  
TRCeN1600RTH-230  
TRCeN1600RTH-230-3P

**(VERTICAL ORIENTATION)**  
TRCeN1600RTV-230  
TRCeN1600RTV-230-3P

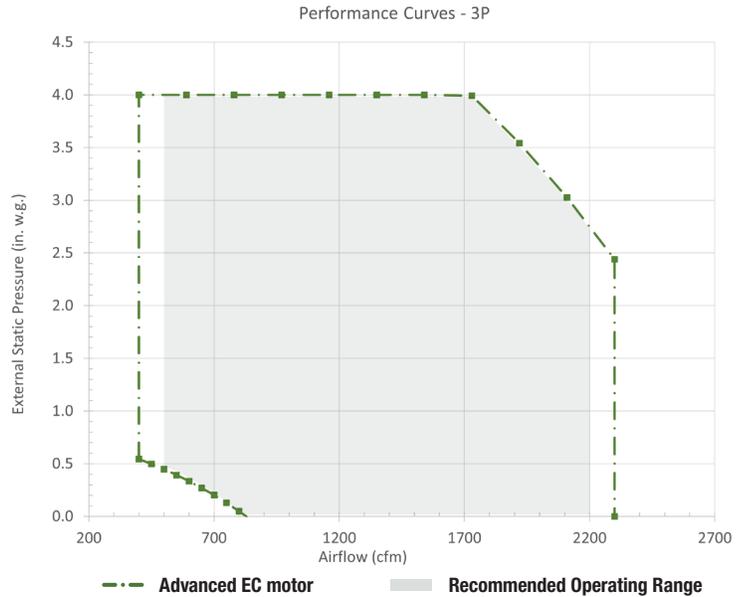
### 1-PHASE EC MOTOR OPERATING RANGE AND FAN PERFORMANCE

Airflow (CFM)	Standard EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
<b>TRCeN1600RT MOTOR 1P/208-230V</b>		
400	2.95	999
590	2.78	1100
780	2.56	1197
970	2.29	1284
1160	1.97	1355
1350	1.61	1402
1540	1.20	1418
1730	0.75	1398
1920	0.25	1335
2011	0.00	1287



## 3-PHASE EC MOTOR OPERATING RANGE AND FAN PERFORMANCE

Airflow (CFM)	Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
<b>TRCeN1600RT MOTOR 3P/208-230V</b>		
400	4.00	1610
590	4.00	1855
780	4.00	2127
970	4.00	2426
1160	4.00	2748
1350	4.00	3095
1540	4.00	3469
1730	3.99	3869
1920	3.54	3936
2110	3.03	3982
2300	2.44	4003

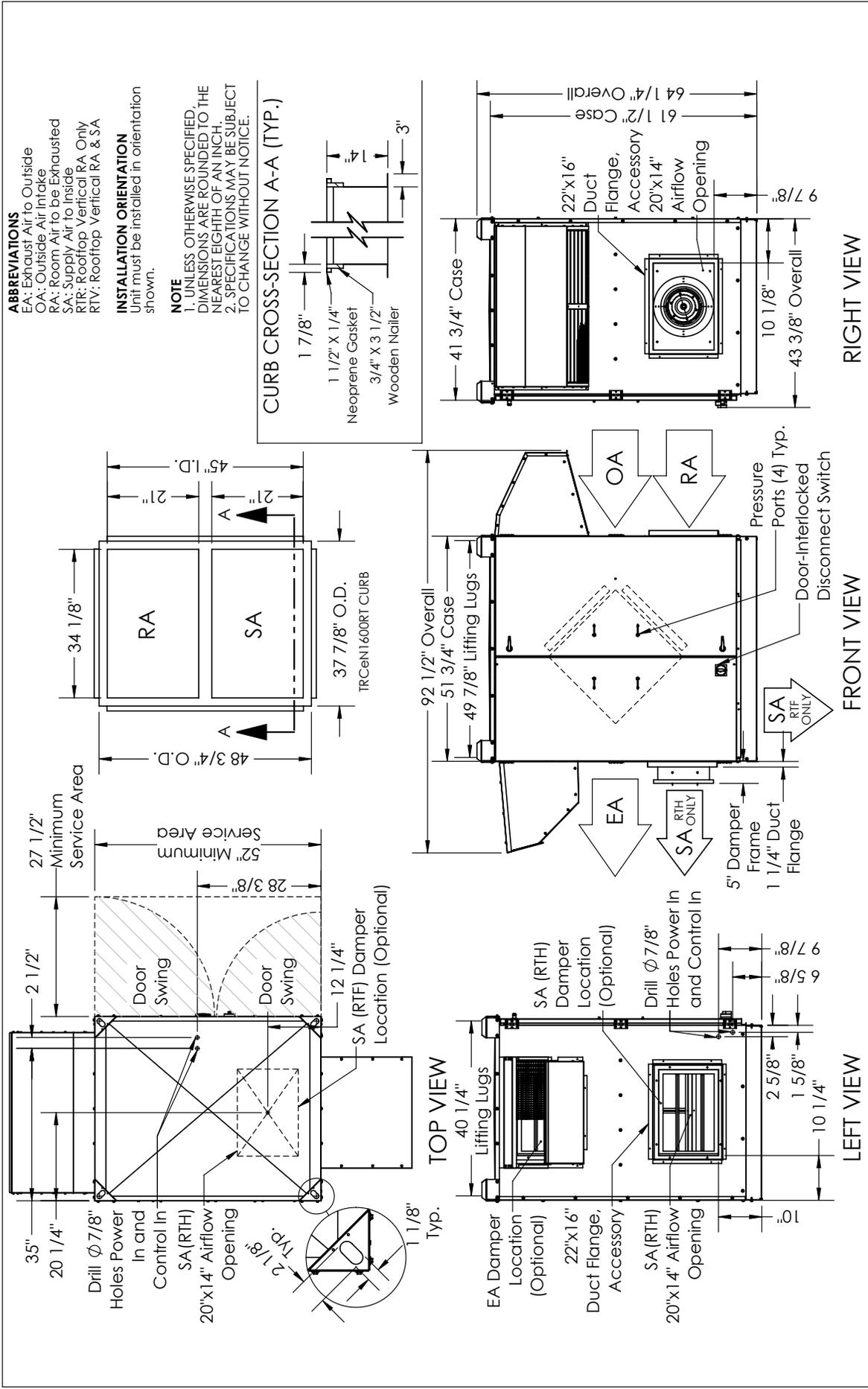


**Note:** Watts is for the entire unit. Airflow performance include effect of clean, standard filter supplied with unit.

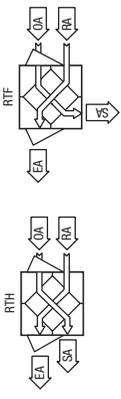
## ELECTRICAL DATA

Option	Watts	Volts	Hz	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
TRCeN1600RT	770	208-230	60	Single	3.4	7.7	15
	2150	208-230	60	Three	5.7	12.8	15

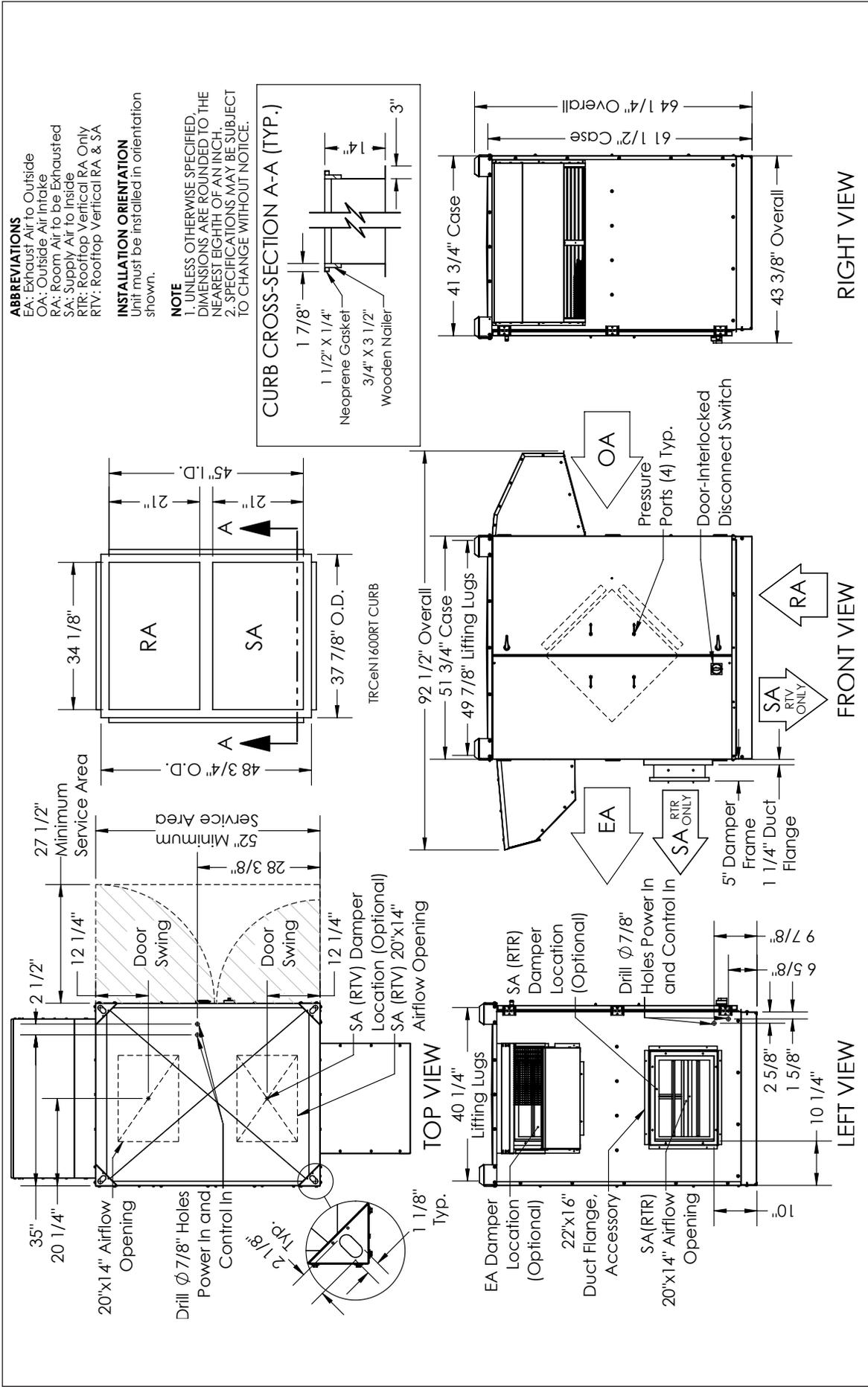
# TRCeN1600RTH ENERGY RECOVERY VENTILATOR



**UNIT MOUNTING & APPLICATION**  
 Must be mounted as shown. Airstreams cannot be switched. Duct configuration is not field convertible.



# TRCeN1600RTV ENERGY RECOVERY VENTILATOR



**UNIT MOUNTING & APPLICATION**  
 Must be mounted as shown. Airstreams cannot be switched. Duct configuration is not field convertible.

