



# TRCeN 800V-230

TRCeN800-230, TRCeN800V-230

## ENERGY RECOVERY VENTILATOR EC MOTOR



### INDOOR UNIT



### SPECIFICATIONS

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

**Airflow Range:** 250–1,100 CFM

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

**Standard Features:**

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

**Filters:** Total Qty. 2, MERV 8: 14" x 20" x 2"

**Unit Weight:** 204 lbs.

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

60" L x 30" W x 55 1/4" H  
250 lbs.

**Motor(s):**

Qty. 2, 370W ea., Direct drive EC motorized  
impeller packages (208–230V/1Ph/60Hz)

**Optional Electrical Accessories:**

STC7D-W: Digital Time Clock (wall mount)  
SMC-C: Motion Occupancy Control (ceiling mount)  
SMC-W: Motion Occupancy Control (wall mount)  
SCO2-W: CO2 Control (wall mount)

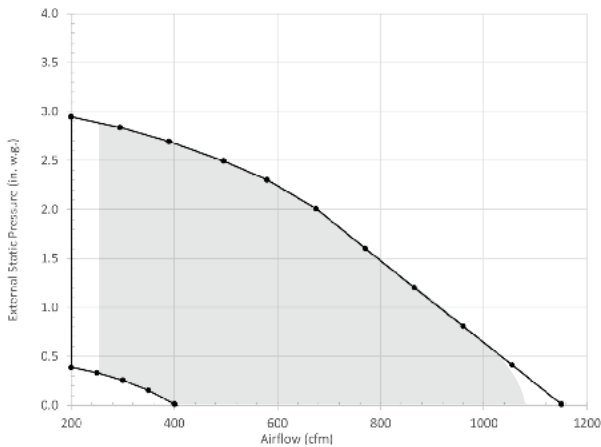
**Optional TRCeN General Accessories:**

147594: Bracket Hanging Kit  
147596: Vibration Isolator, Hanging, 70 lbs.  
147597: Vibration Isolator, Hanging, 85 lbs.  
147599: TRCeN500 Flange Kit Rect 12" x 12"  
147600: Flange Kit Rect 14" x 14"  
990083: MERV8 20" x 20" x 2" filter (single)  
990084: MERV8 20" x 20" x 2" filter (case of 12)  
990303: MERV13 20" x 20" x 2" filter (single)  
BD12: 12" Backdraft Damper  
FA12-G: 12" Galvanized Wall Cap  
FA12-P: 12" Galvanized Wall Cap  
VW12X12-G: Louver, 10" Round Duct Connection

Energy recovery core is AHRI Certified®



### EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



| Airflow (CFM) | External Static Pressure (Inches Water Column) | Unit Power Consumption (Watts) |
|---------------|------------------------------------------------|--------------------------------|
| 200           | 2.95                                           | 571                            |
| 295           | 2.84                                           | 658                            |
| 390           | 2.69                                           | 737                            |
| 495           | 2.50                                           | 813                            |
| 580           | 2.30                                           | 864                            |
| 675           | 2.01                                           | 900                            |
| 770           | 1.60                                           | 900                            |
| 865           | 1.20                                           | 900                            |
| 960           | 0.81                                           | 900                            |
| 1055          | 0.41                                           | 900                            |

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

### ELECTRICAL DATA

| Max. Unit Watts/HP | Volts   | Hz | Phase  | Motor Full Load Amperage (FLA) per Motor | Min. Circuit Ampacity | Max. Overcurrent Protection Device |
|--------------------|---------|----|--------|------------------------------------------|-----------------------|------------------------------------|
| 370                | 208–230 | 60 | Single | 1.73                                     | 3.9                   | 15                                 |



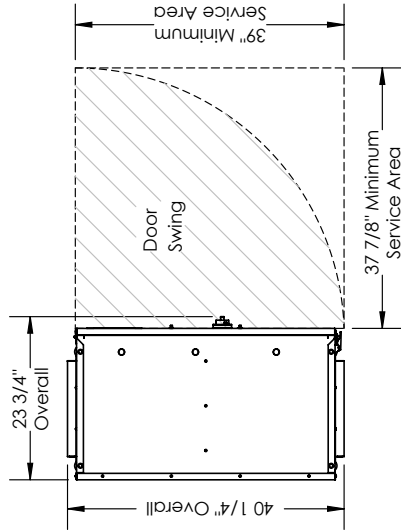
# TRCeN800V-230 ENERGY RECOVERY VENTILATOR EC MOTOR

**ABBREVIATIONS**  
 EA: Exhaust Air to Outside  
 OA: Outside Air Intake  
 RA: Room Air to be Exhausted  
 SA: Supply Air to Inside

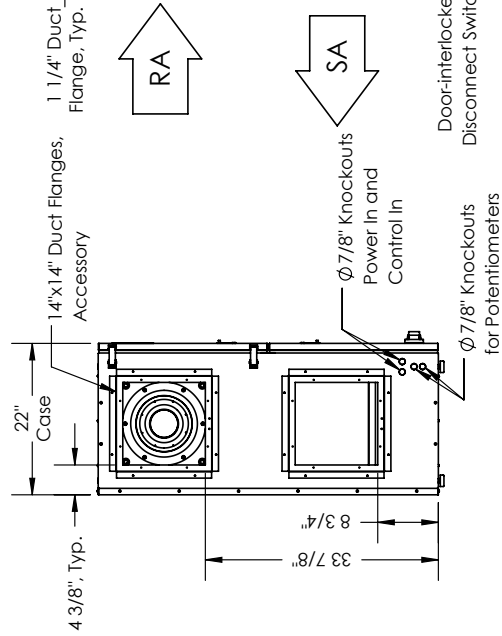
**INSTALLATION ORIENTATION**  
 Unit may be installed in any orientation.

## NOTE

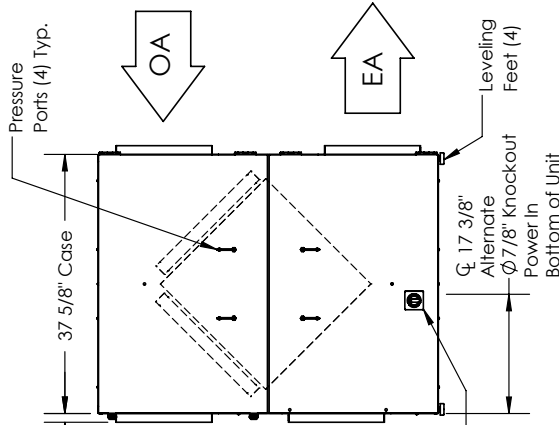
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



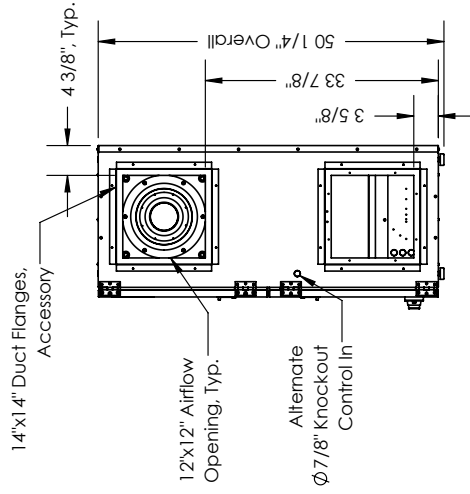
TOP VIEW



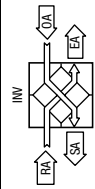
LEFT VIEW



FRONT VIEW



RIGHT VIEW

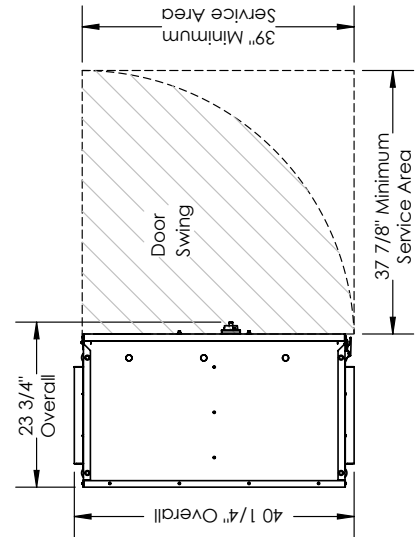


**AIRFLOW ORIENTATION**  
 Available as shown:

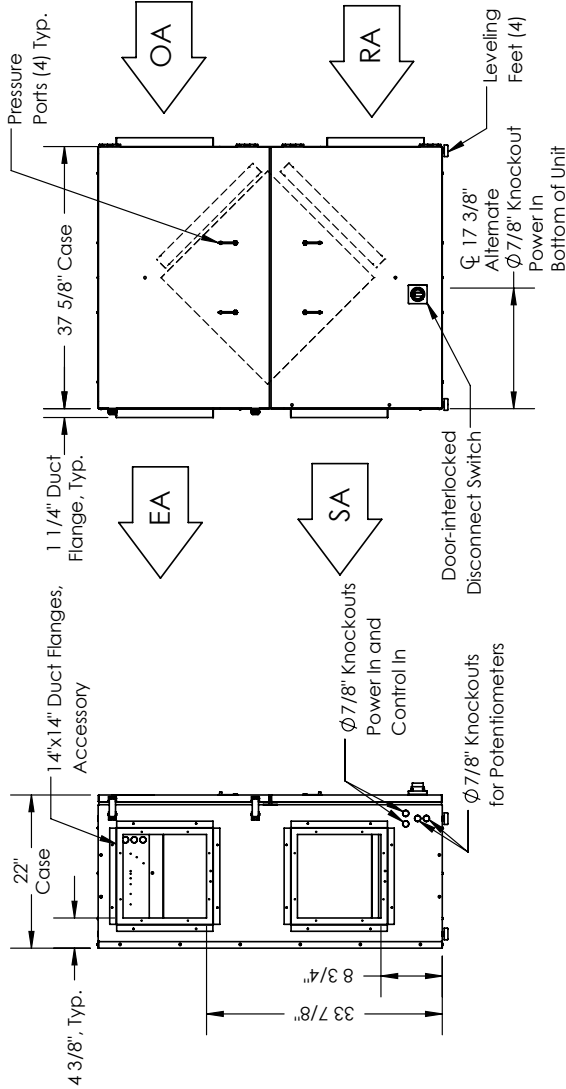


**UNIT MOUNTING & APPLICATION**  
 Can be mounted in any orientation. RA/EA airstream can be switched with OA/SA airstream unless certain options are selected.

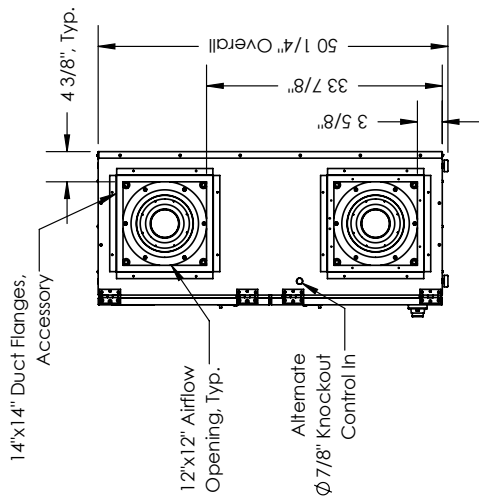
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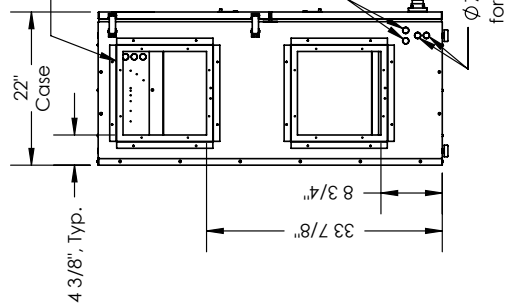
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FRONT VIEW



RIGHT VIEW



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