



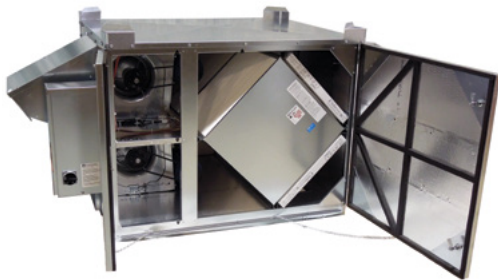
TRC 1600RT-230

TRC1600RTH-230-1P, TRC1600RTH-230-3P,
TRC1600RTV-230-1P, TRC1600RTV-230-3P

ENERGY RECOVERY VENTILATOR



ROOFTOP UNIT



Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type: Static plate, heat and humidity transfer

Airflow Range: 500–1,853 CFM

AHRI 1060 Certified Core: Two L125-G5

Standard Features:

TEFC premium efficiency (IE3) motors

Motor starters

Non-fused disconnect

24VAC transformer/relay package

Cross-core differential pressure ports

Filters:

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

Unit Weight: 498 lbs.

Max. Shipping Dimensions & Weight (on pallet):

96" L x 47" W x 50" H

593 lbs.

Motor(s):

Qty. 2, Belt drive blower/standard motor (IE3) packages
with adjustable sheaves

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)

SPBACNETFC-W: BACnet Fan Control

Optional TRC-RT General Accessories:

135613: Roof Curb (CURB2X) (TRC1600RT)

2XHECC: TRC1600RT Tie Down Clip Kit

990083: MERV8 (20" x 20" x 2" filter)

990303: MERV13 (20" x 20" x 2" filter)

AIRFLOW PERFORMANCE

Blower RPM	EXTERNAL STATIC PRESSURE (INCHES WATER COLUMN)											
	0.25		0.50		0.75		1.00		1.25		1.50	
	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP	SCFM	BHP
1159	1125	0.6	900	0.5	639	0.5						
1200	1200	0.7	986	0.6	739	0.5						
1300	1381	0.9	1191	0.8	973	0.7	721	0.6				
1400	1562	1.1	1392	1.0	1199	0.9	977	0.7	725	0.6		
1485	1715	1.3	1560	1.2	1386	1.1	1187	0.9	960	0.8	705	0.7

Note: Brake horsepower (BHP) is for one blower motor package only. Airflow performance includes effect of clean, standard filter supplied with unit.

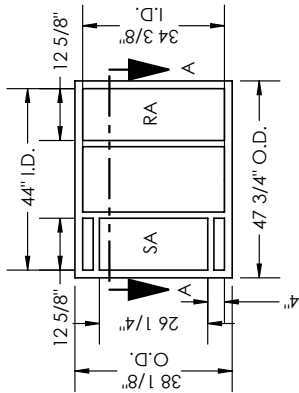
ELECTRICAL DATA

ELECTRICAL SPECIFICATIONS				MOTOR STARTERS (STANDARD)			
Max. Unit Watts/HP	Volts	Hz	Phase	Motor Full Load Amperage (FLA) per Motor	Max. Amp Drawn by the Unit	Min. Circuit Ampacity	Max. Overcurrent Protection Device
2595/1.5	208–230	60	Single	8.2–7.6	16.4–15.2	18.5–19	25
			Three	4.5–4.4	9–8.8	10.1–11	15

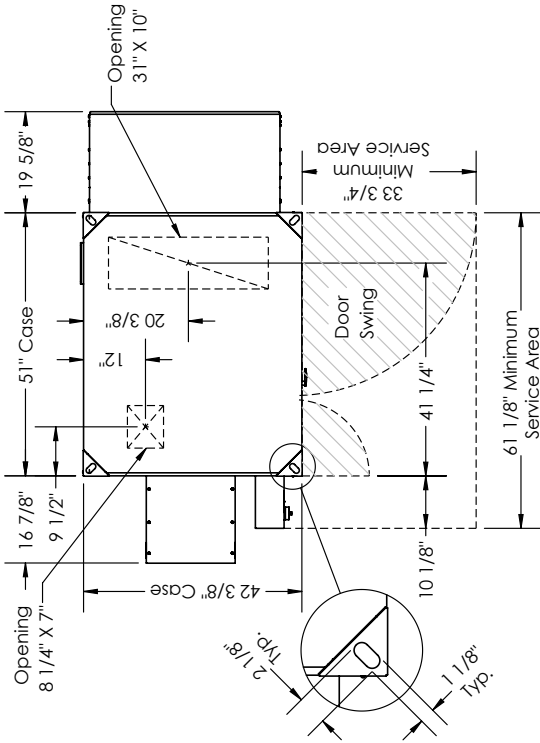


TRC1600RTV-230 ENERGY RECOVERY VENTILATOR

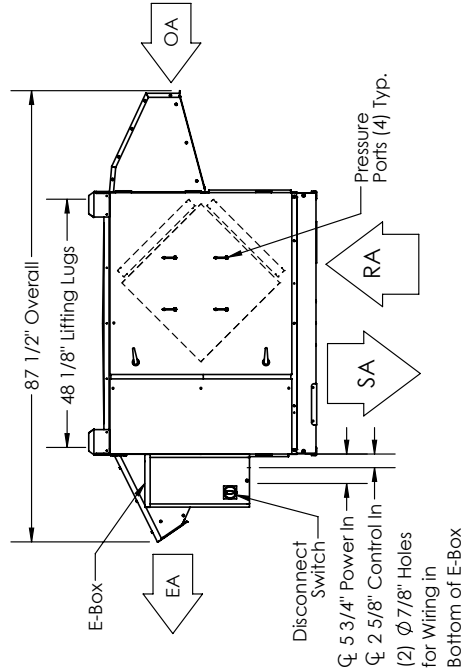
TRC1600RT CURB



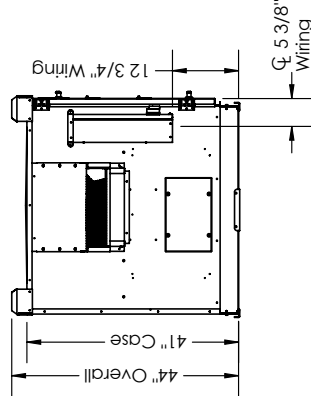
TOP VIEW



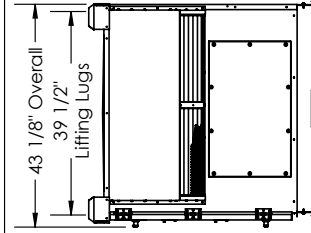
TOP VIEW



FRONT VIEW

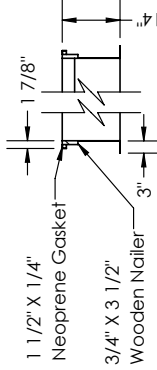


LEFT VIEW



RIGHT VIEW

CURB CROSS-SECTION A-A (TYP.)



SECTION A-A

ABBREVIATIONS

EA: Exhaust Air to outside
OA: Outside Air to be exhausted
RA: Room Air to be exhausted
SA: Supply Air to inside
RTV: Rooftop Vertical RA & SA

INSTALLATION ORIENTATION

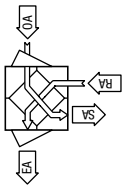
Unit must be installed in orientation shown.

NOTE:

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

AIRFLOW ORIENTATION

Available as shown:



UNIT MOUNTING & APPLICATION
Must be mounted as shown. Airstreams cannot be switched.

TRC1600RT CURB

ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside
RTH: Rooftop Horizontal RA & SA

INSTALLATION ORIENTATION

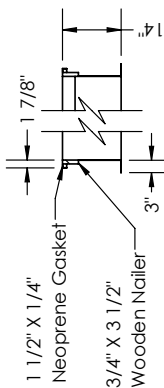
INSTALLATION ORIENTATION
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NOTE:

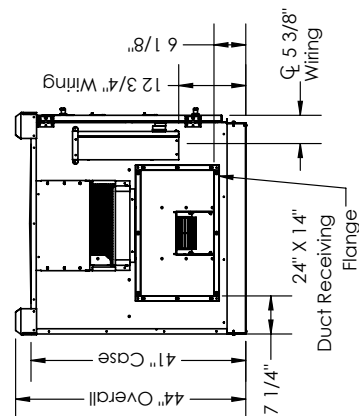
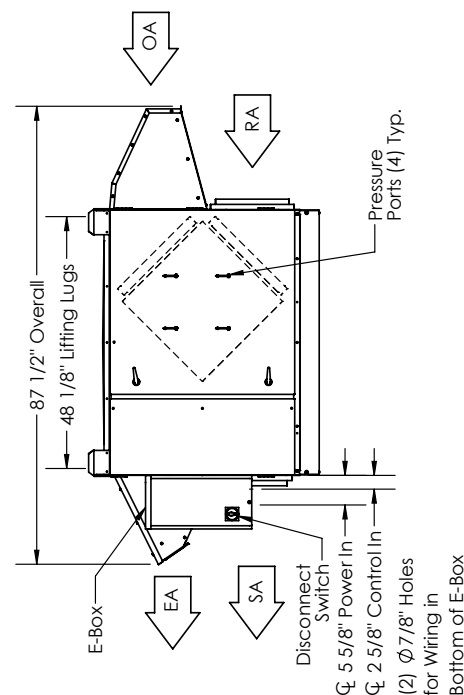
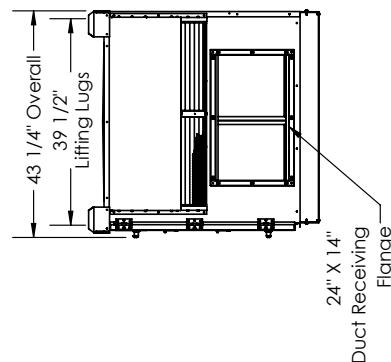
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CURB CROSS-SECTION A-A (TYP.)

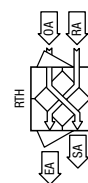


SECTION A-A



FRONT VIEW

RIGHT VIEW



AIRFLOW ORIENTATION
Available as shown:

UNIT MOUNTING & APPLICATION
Must be mounted as shown. Airstreams cannot be switched.