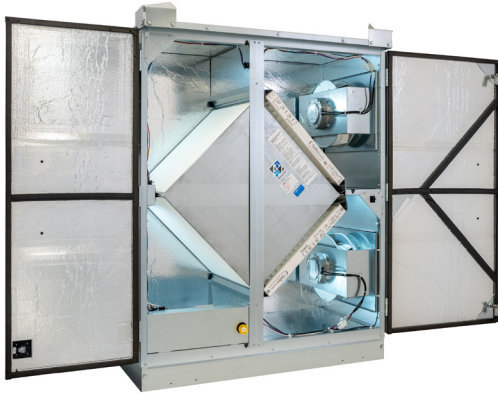




OUTDOOR UNIT

ENERGY RECOVERY VENTILATOR
EC MOTOR

Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Airflow Range: 250–1100 CFM**AHRI 1060 Certified Core:**

One L125-G5

Standard Features:Non-fused disconnect
24VAC transformer/relay package
Cross-core differential pressure ports
Independent blower control**Filters:**

Total Qty. 2, MERV 8: 20" x 20" x 2"

Unit Weight:

261–415 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

60" L x 30" W x 82 1/4" H

455 lbs.

Motor(s):Qty. 2, 370W ea., Direct drive EC motorized
impeller packages (208–230V/1Ph/60Hz)**Options:**Qty. 2, Direct drive EC motorized impeller packages:
480W 120V/1Ph/60Hz (Advanced),
680W 208–230V/1Ph/60Hz (Advanced),
860W 460V/3Ph/60Hz (Advanced)

Fused disconnect

Integrated programmable controls: enhanced, premium

Bypass economizer damper (see DIM drawing):

dry-bulb temperature controls (standard), enthalpy
controls (option)

Class 1 low leakage motorized isolation dampers:

FA, EA or both airstreams

Factory mounted filter alarms: both airstreams

Double wall construction

Exterior paint: white, custom colors

Accessories:

Filters: MERV 13, 2" (shipped loose)

Backdraft damper: 12"

Automatic balancing damper: 4", 5", 6"

Potentiometer speed control: remote installed

Roof curb: standard 14"

Curb wind clip

Engineered combo curb for Trane or Carrier RTUs

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)

BACnet fan control: wall mount (BACNETFC-W)

Indoor electric duct heater: RH series (1–11.5 kW),

EK series (1–175 kW)

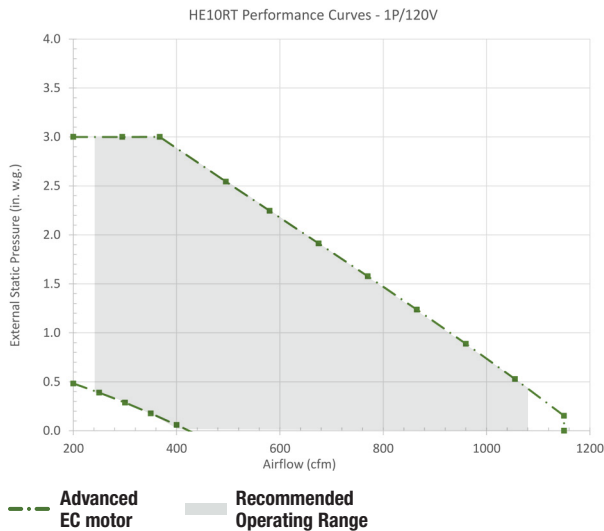
Indirect gas-fired duct furnace: GH series (50–400 MBH);

Installed downstream of any fans

HE+DX coils integrated system

Duct flange kit: square 14" x 14", 2 flanges

EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



HE10RT MOTOR 1P/120V Options		
Airflow (CFM)	Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
200	3.00	567
295	3.00	739
367	3.00	870
495	2.54	978
580	2.25	1033
675	1.91	1080
770	1.58	1113
865	1.24	1133
960	0.89	1142
1055	0.53	1140
1150	0.15	1129
1150	0.00	1017

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

AUGMENTED REALITY (AR)

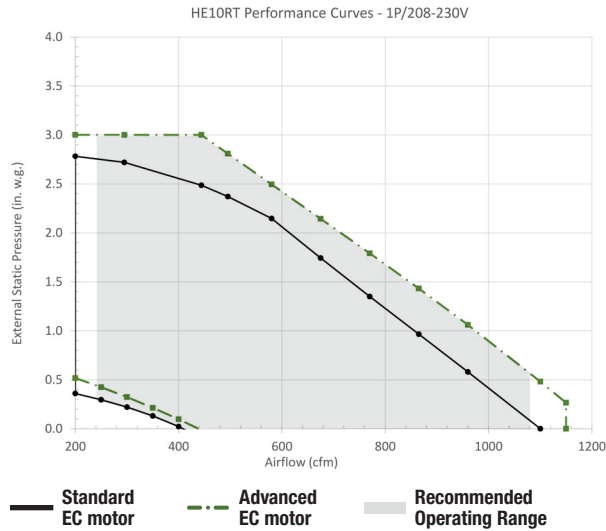
Scan QR code to see life size version of HE10RT, or view here:
<https://ar.marketscale.com/renewaire/he10rt>



ENERGY RECOVERY VENTILATOR EC MOTOR



EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



HE10RT MOTOR 1P/208-230V Options				
Airflow (CFM)	Standard EC		Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
200	2.78	566	3.00	650
295	2.72	658	3.00	795
444	2.48	791	3.00	1051
495	2.37	832	2.81	1079
580	2.15	894	2.49	1120
675	1.74	900	2.14	1160
770	1.35	900	1.79	1190
865	0.97	900	1.43	1211
960	0.58	900	1.06	1222
1100	0.00	900	0.48	1217
1150			0.27	1209
1150			0.00	919

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



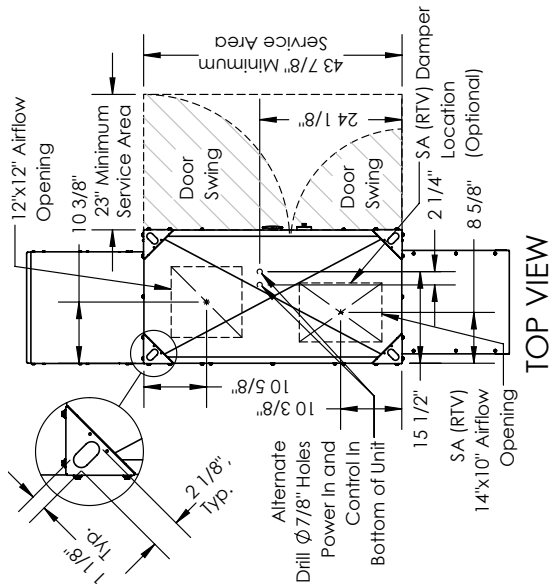
HE10RT MOTOR 3P/460V Options		
Airflow (CFM)	Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
200	3.00	829
224	3.00	860
295	2.91	925
390	2.76	1015
485	2.60	1105
580	2.40	1191
675	2.18	1273
770	1.92	1346
865	1.62	1408
960	1.28	1456
1055	0.89	1488
1150	0.45	1501
1150	0.00	1267

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

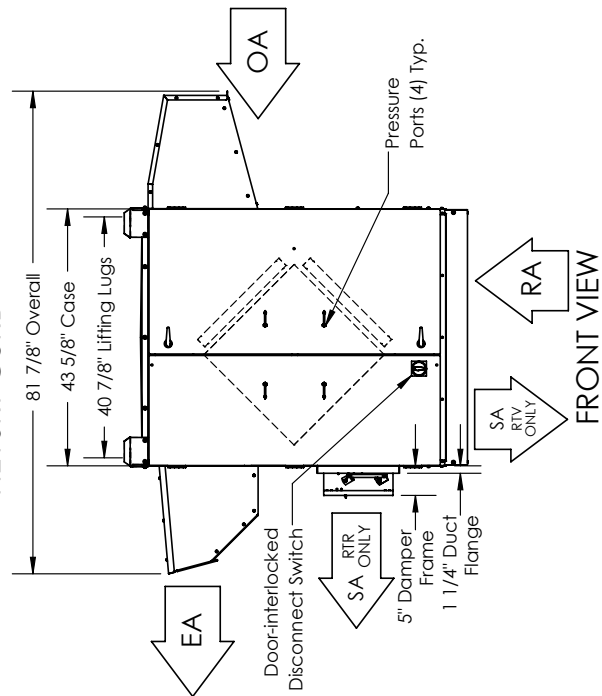
ELECTRICAL DATA

Option	Watts	Volts	Hz	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
[EE] Standard	370	208-230	60	Single	1.73	3.9	15
[AA] Advanced	480	120	60	Single	6.5	14.6	20
	680	208-230	60	Single	5	11.3	15
	860	460	60	Three	1.22	2.7	15

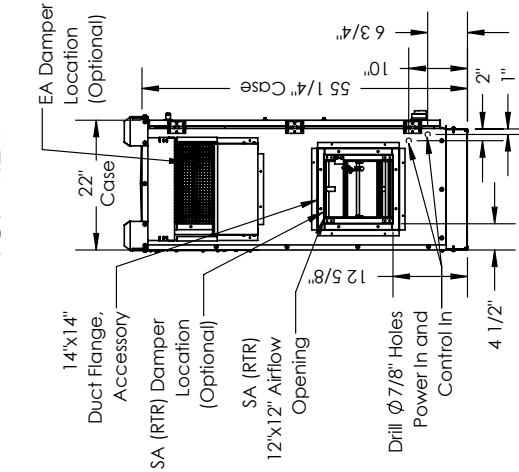
HE10RT (RTV/RTR) ENERGY RECOVERY VENTILATOR EC MOTOR



TOP VIEW



FRONT VIEW



LEFT VIEW

ABBREVIATIONS

EA: Exhaust Air to Outside
OA: Outside Air Intake
RA: Room Air to be Exhausted
SA: Supply Air to Inside
RTR: Rooftop Vertical RA Only
RTV: Rooftop Vertical RA & SA

INSTALLATION ORIENTATION

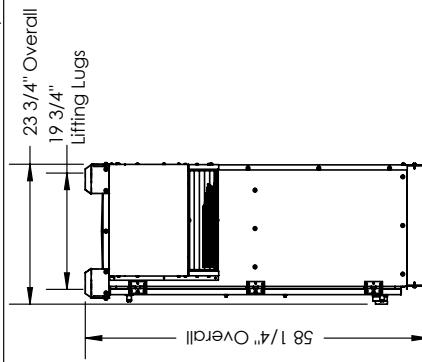
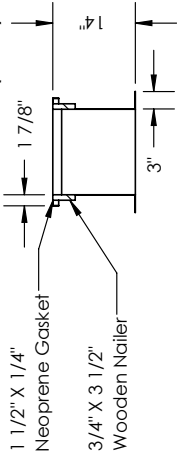
Unit must be installed in orientation shown.

NOTE

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

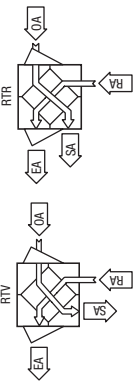
CURB CROSS-SECTION A-A (TYP.)



RIGHT VIEW

AIRFLOW ORIENTATION

Available as shown:

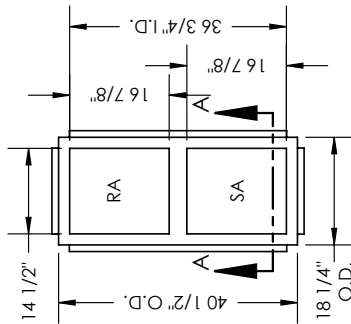
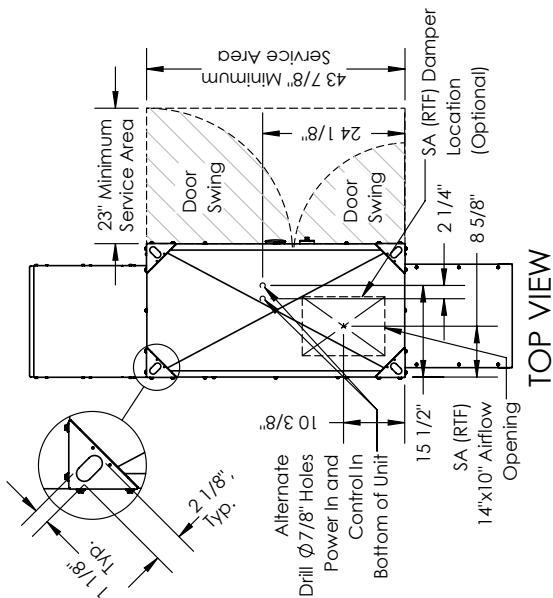


UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.



HE10RT (RTH/RTF) 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
RTF: Rooftop Vertical SA Only
RTH: Rooftop Horizontal RA & SA

INSTALLATION ORIENTATION

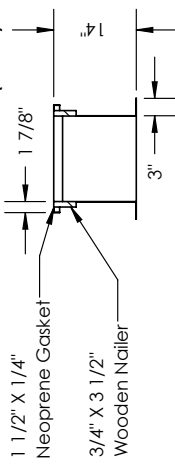
Unit must be installed in orientation shown.

NOTE

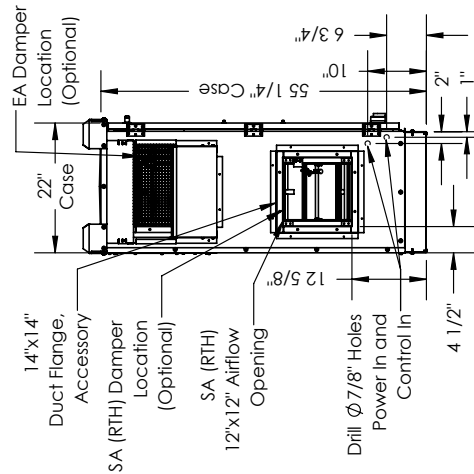
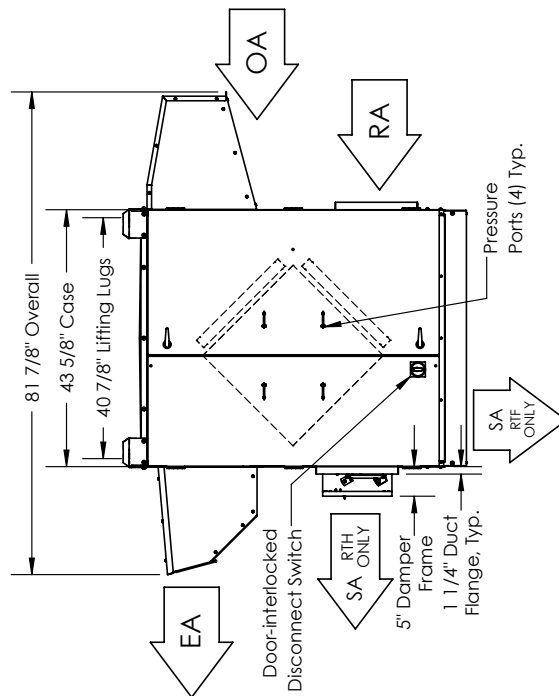
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

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CURB CROSS-SECTION A-A (TYP.)



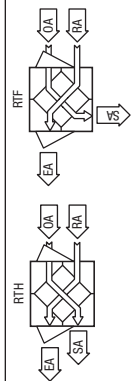
HE10RT CURB



RIGHT VIEW

FRONT VIEW

LEFT VIEW



AIRFLOW ORIENTATION

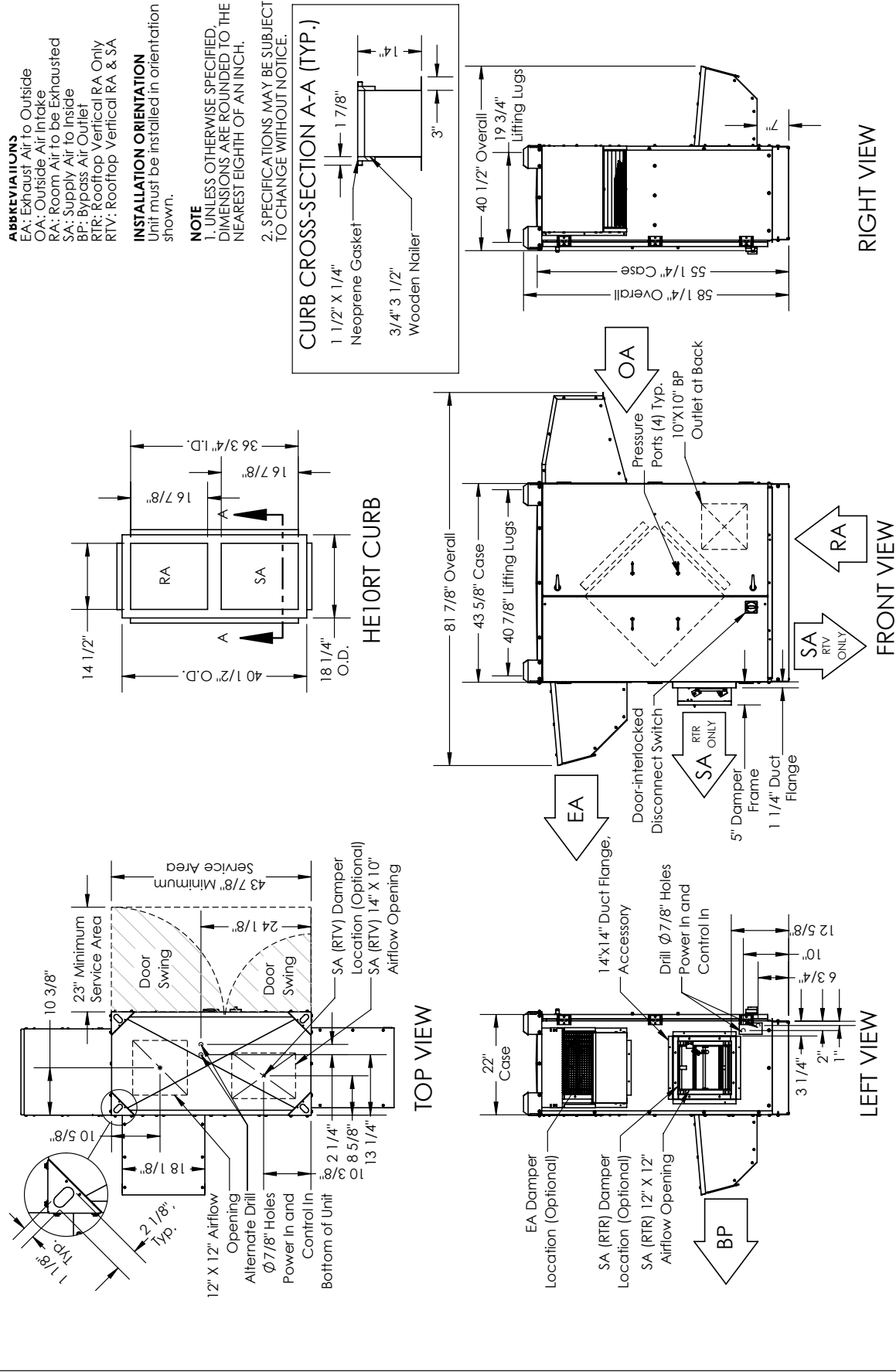
Available as shown:

UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.



HE10RT (RTV/RTR) ENERGY RECOVERY VENTILATOR EC MOTOR WITH BYPASS ECONOMIZER



ABBREVIATIONS

EA: Exhaust Air to Outside
OA: Outside Air Intake
RA: Room Air to be Exhausted
SA: Supply Air to Inside
BP: Bypass Air Outlet
RTF: Rooftop Vertical SA Only
RTH: Rooftop Horizontal RA & SA

INSTALLATION ORIENTATION

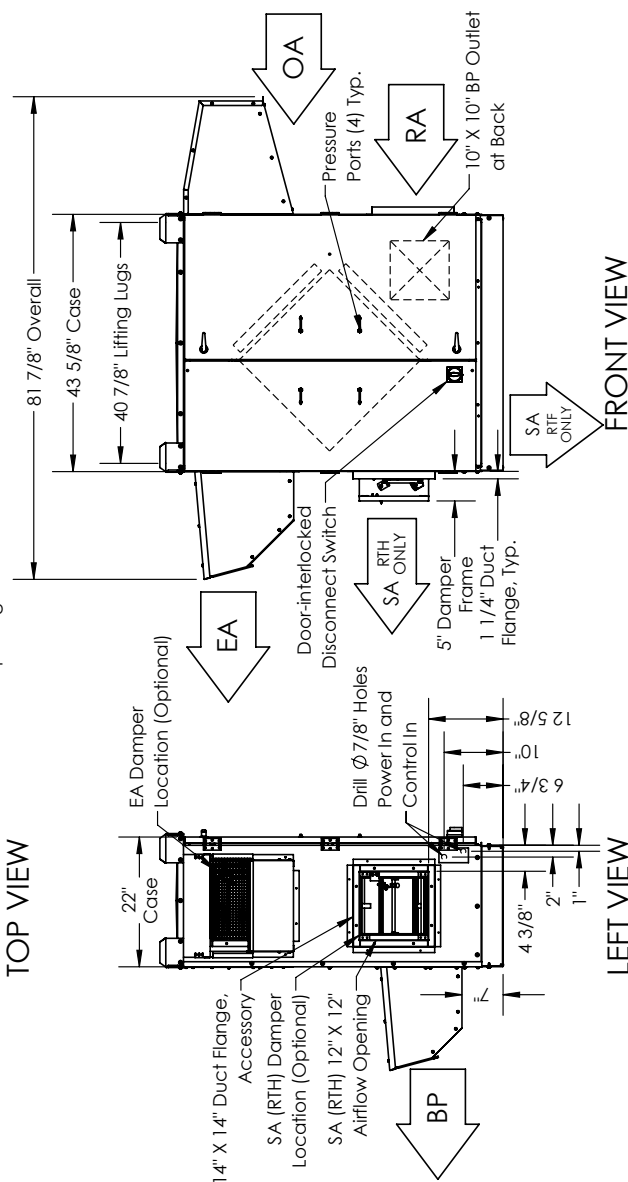
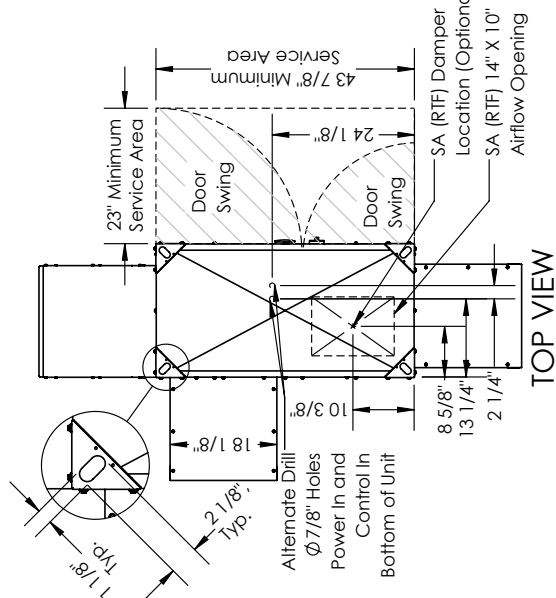
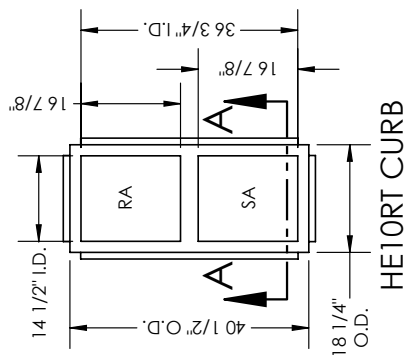
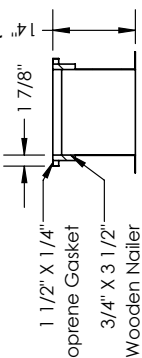
Unit must be installed in orientation shown.

NOTE

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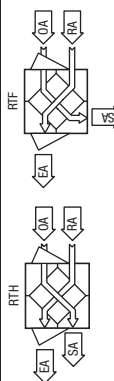
CURB CROSS-SECTION A-A (TYP.)



RIGHT VIEW

UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.



AIRFLOW ORIENTATION

Available as shown:

