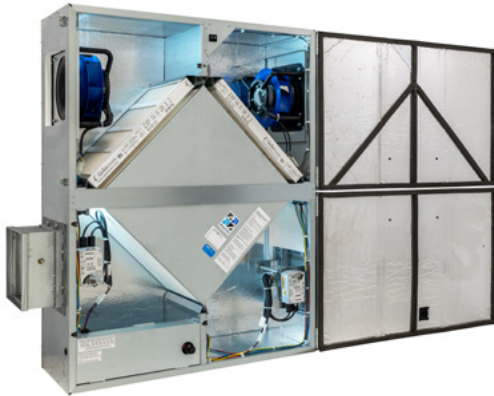




Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type: Static plate, heat and humidity transfer

Airflow Range: 166–694 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:

148–286 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
70" L x 47" W x 55 1/4" H; 318 lbs.

Motor(s):

Qty. 2, 170W ea., Direct drive EC motorized
impeller packages (208–230V/1Ph/60Hz)

Options:

Qty. 2, Direct drive EC motorized impeller packages:
357W 208–230V/1Ph/60Hz (Intermediate),
330W 208–230V/1Ph/60Hz (Advanced),
357W 120V/1Ph/60Hz (Advanced)

Fused disconnect

Integrated programmable controls: enhanced, premium
Electric preheat (1–17 kW): corrosion resistant (option)

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: 10", 12"

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

Hooded wall vent 10", 12": galvanized,
paintable galvanneal

Louver with 10" round duct connection:
12" x 12"

Potentiometer speed control: remote installed

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

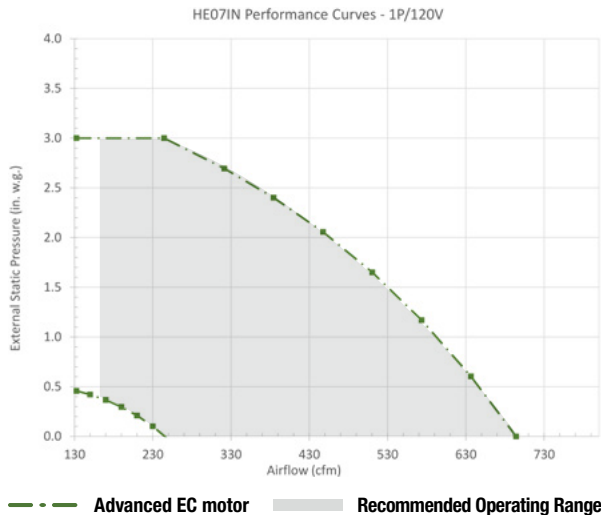
HE+DX coils integrated system

Hanging bracket kit

Hanging spring vibration isolation kit

Duct flange kit: square 12" x 12", 2 flanges

EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



HE07IN MOTOR 1P/120V Options		
Airflow (CFM)	Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
133	3.00	458
245	3.00	631
322	2.69	706
385	2.40	760
448	2.06	804
511	1.65	833
573	1.17	847
636	0.60	840
694	0.00	815

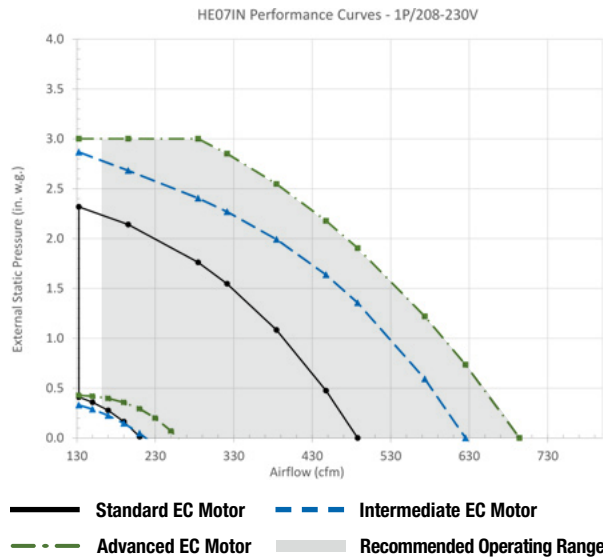
Note: Airflow performance includes effect of clean, standard filter supplied with unit.



AUGMENTED REALITY (AR)

Scan QR code to see life size version of HE07IN, or view here: <https://ar.marketscale.com/renewaire/he07in>

EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



HE07IN MOTOR 1P/208-230V Options						
Airflow (CFM)	Standard EC		Intermediate EC		Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
133	2.32	278	2.87	439	3.00	406
196	2.14	323	2.68	499	3.00	462
285	1.76	383	2.40	580	3.00	493
322	1.55	402	2.27	610	2.85	631
385	1.08	418	1.99	656	2.55	663
448	0.48	408	1.64	690	2.18	711
488	0.00	384	1.36	706	1.90	748
573			0.59	716	1.22	766
625			0.00	705	0.74	790
694					0.00	795

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	170	208-230	60	Single	1.16	2.6	15
[BB] Intermediate	357	208-230	60	Single	2.76	6.2	15
[AA] Advanced	330	208-230	60	Single	1.55	3.5	15
	357	120	60	Single	5.4	12.2	15

Note: See Cores.RenewAire.com for electrical ratings with the preheat option.

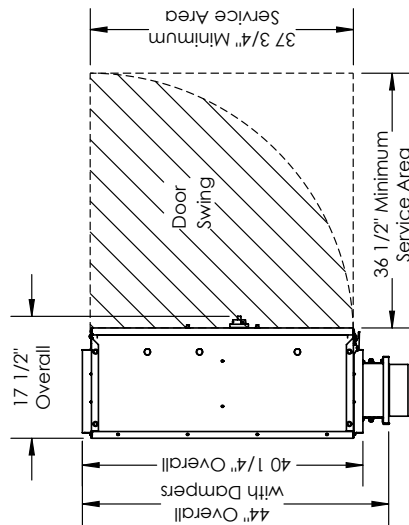
HE07INH ENERGY RECOVERY VENTILATOR

EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

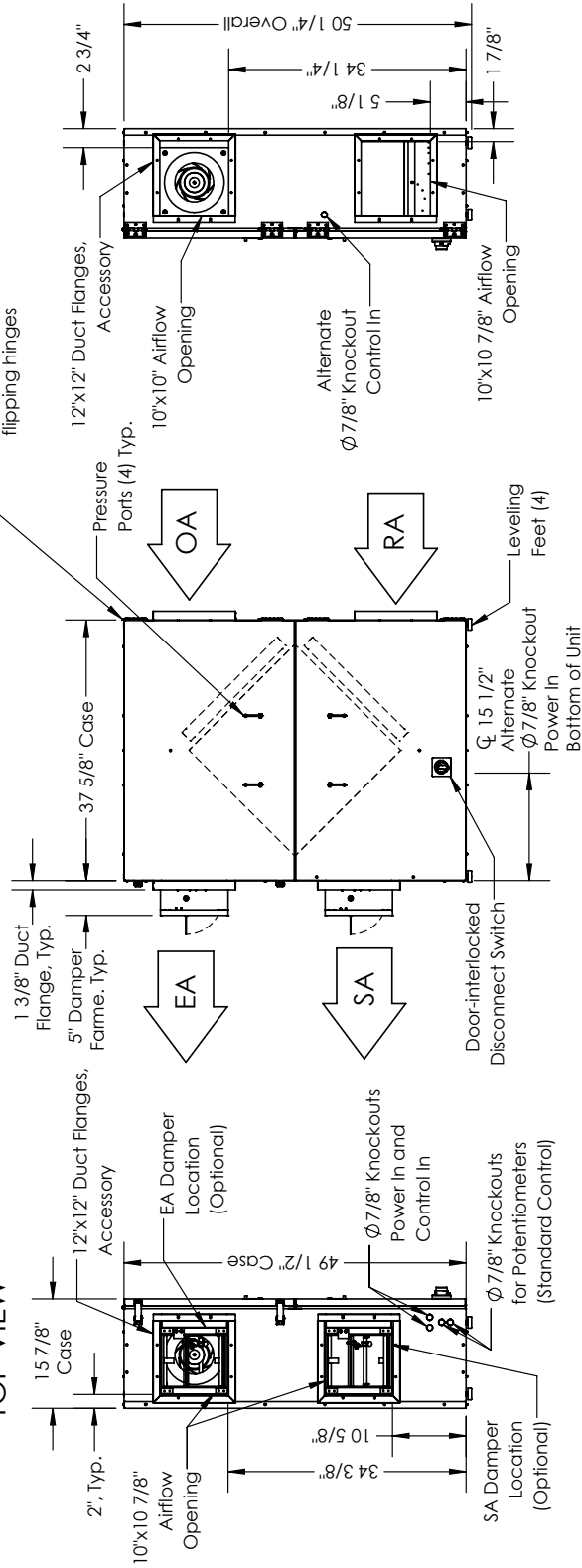
INSTALLATION ORIENTATION
Unit may be installed in any orientation.

NOTE

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



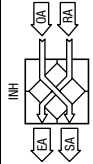
TOP VIEW



LEFT VIEW

FRONT VIEW

RIGHT VIEW

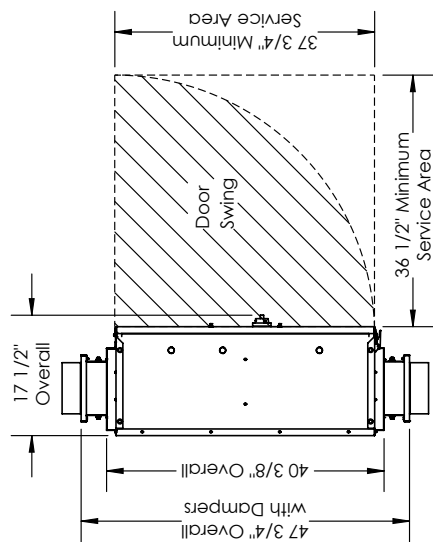


AIRFLOW ORIENTATION
Available as shown:

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



HE07INV ENERGY RECOVERY VENTILATOR



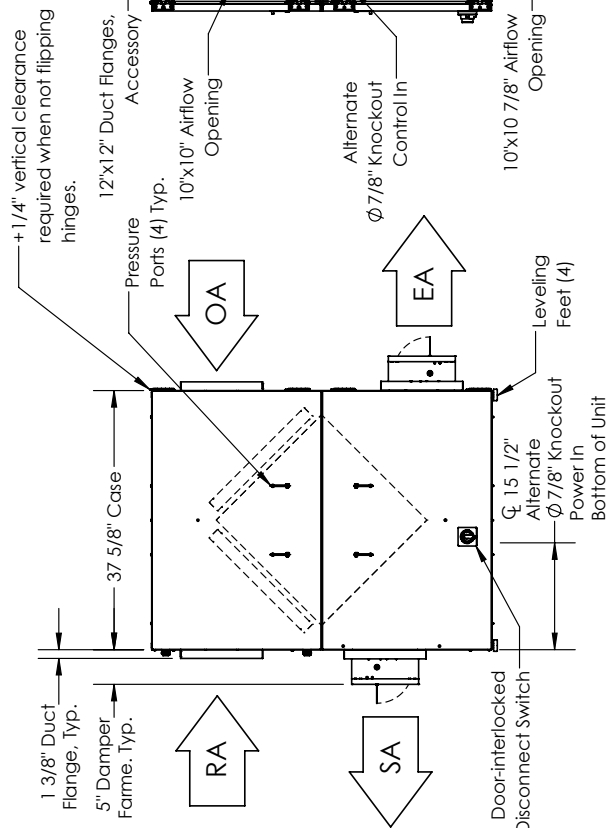
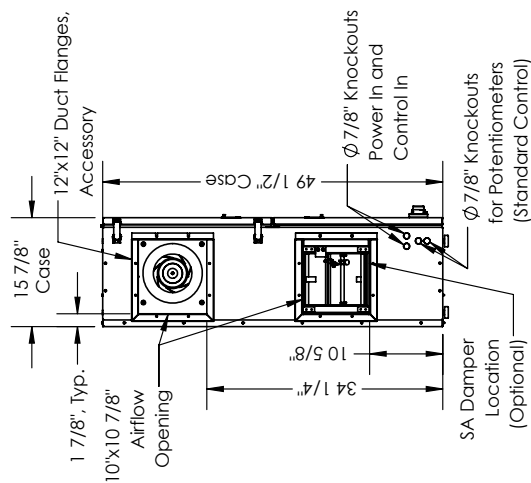
Abbreviations
 EA: Exhaust Air to outside
 OA: Outside Air Intake
 RA: Room Air to be exhausted
 SA: Supply Air to inside

INSTALLATION ORIENTATION
 Unit may be installed in any orientation.

NOTE

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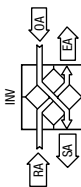
TOP VIEW



LEFT VIEW

FRONT VIEW

RIGHT VIEW



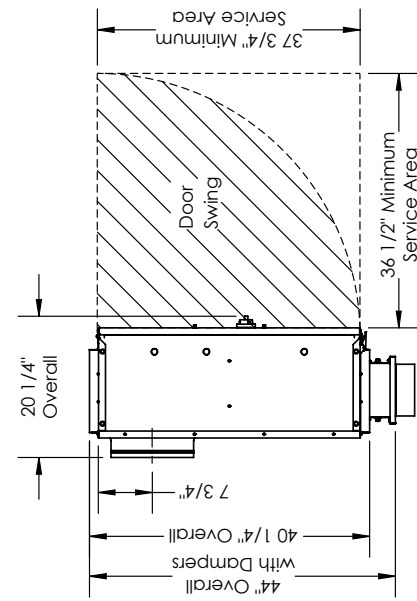
AIRFLOW ORIENTATION
 Available as shown:



UNIT MOUNTING & APPLICATION

Can be mounted in any orientation. RA/EA airstream can be switched with OASA airstream unless certain options are selected.

HE07INH ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER

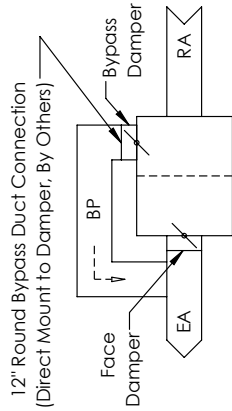


EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside

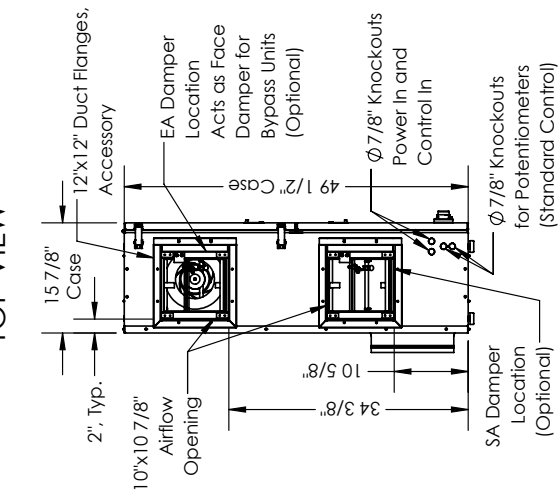
INSTALLATION ORIENTATION
Unit may be installed in any orientation.

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

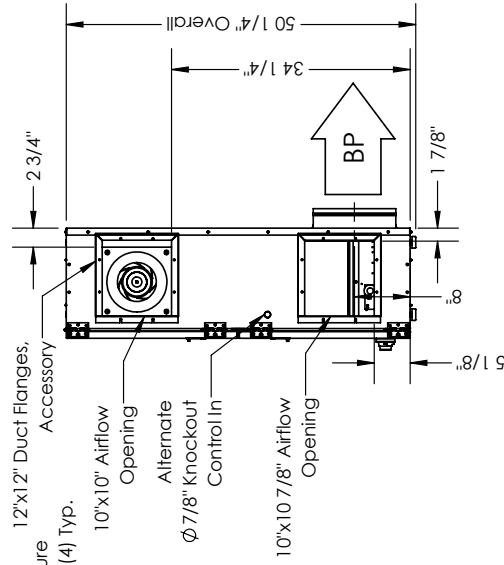
BYPASS AIRFLOW SCHEMATIC TOP VIEW (OA/SA Airstream Not Shown)



TOP VIEW

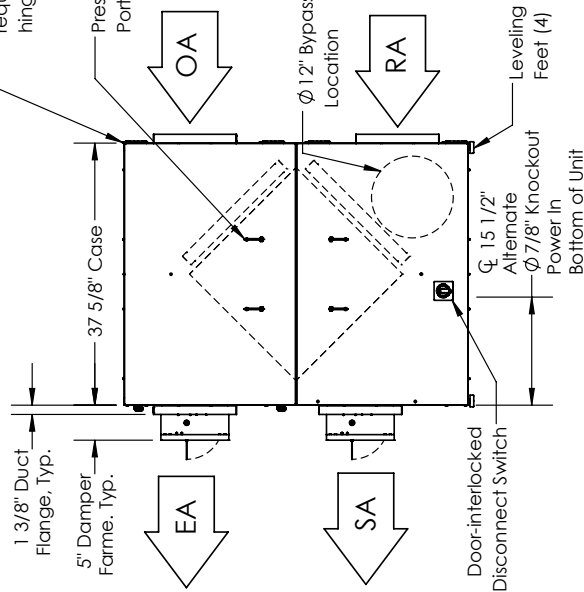


+1/4" vertical clearance required when not flipping hinges.

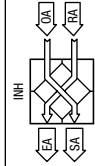


LEFT VIEW

FRONT VIEW



RIGHT VIEW



AIRFLOW ORIENTATION
Available as shown:

UNIT MOUNTING & APPLICATION
Can be mounted in any orientation. Airstream cannot be switched.



Technical drawing of a door and its swing area. The door is 47 3/4" overall width and 40 1/4" overall height. The swing area is 37 3/4" wide and 36 1/2" high. The door has a 7 3/4" thick frame. The swing area is labeled "Door Swing" and "Service Area".

12" Round Bypass Duct Connection
(Direct Mount to Damper, By Others)

Bypass damper

BP

Face Damper

EA

RA

[illegible]

AIRFLOW ORIENTATION
Available as shown:

A diagram of a 2x2 multiplexer. It has four inputs: RA (bottom-left, arrow pointing up), OA (top-left, arrow pointing down), SA (bottom-right, arrow pointing up), and EA (top-right, arrow pointing down). The outputs are shown as two arrows crossing in the center, with the label 'INV' positioned to the left of the crossing point.

[illegible]

Can be mounted in any orientation. Airstreams cannot be switched.

EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside

Unit may be installed in any orientation.

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

2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

1. WILL REQUIRE ADDITIONAL SPACE FOR THE CONNECTION OF THE BYPASS DUCT (BY OTHERS).

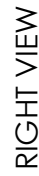
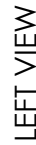
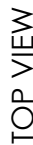
2. FOR INSTALLATION DETAILS, REFER TO I&O MANUAL SUPPLEMENT FOR BYPASS.

3. BYPASS DAMPER SHIPPED LOOSE, FIELD INSTALLATION REQUIRED.

AIRFLOW ORIENTATION

UNIT MOUNTING & APPLICATION

Subject to change without notice: **RENEWAIRE.COM** | 1.800.627.4499



Abbreviations
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

Unit may be installed in any orientation.

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

2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



Available as shown:

Unit must not be mounted with doors facing up or down.
Airstreams cannot be switched.

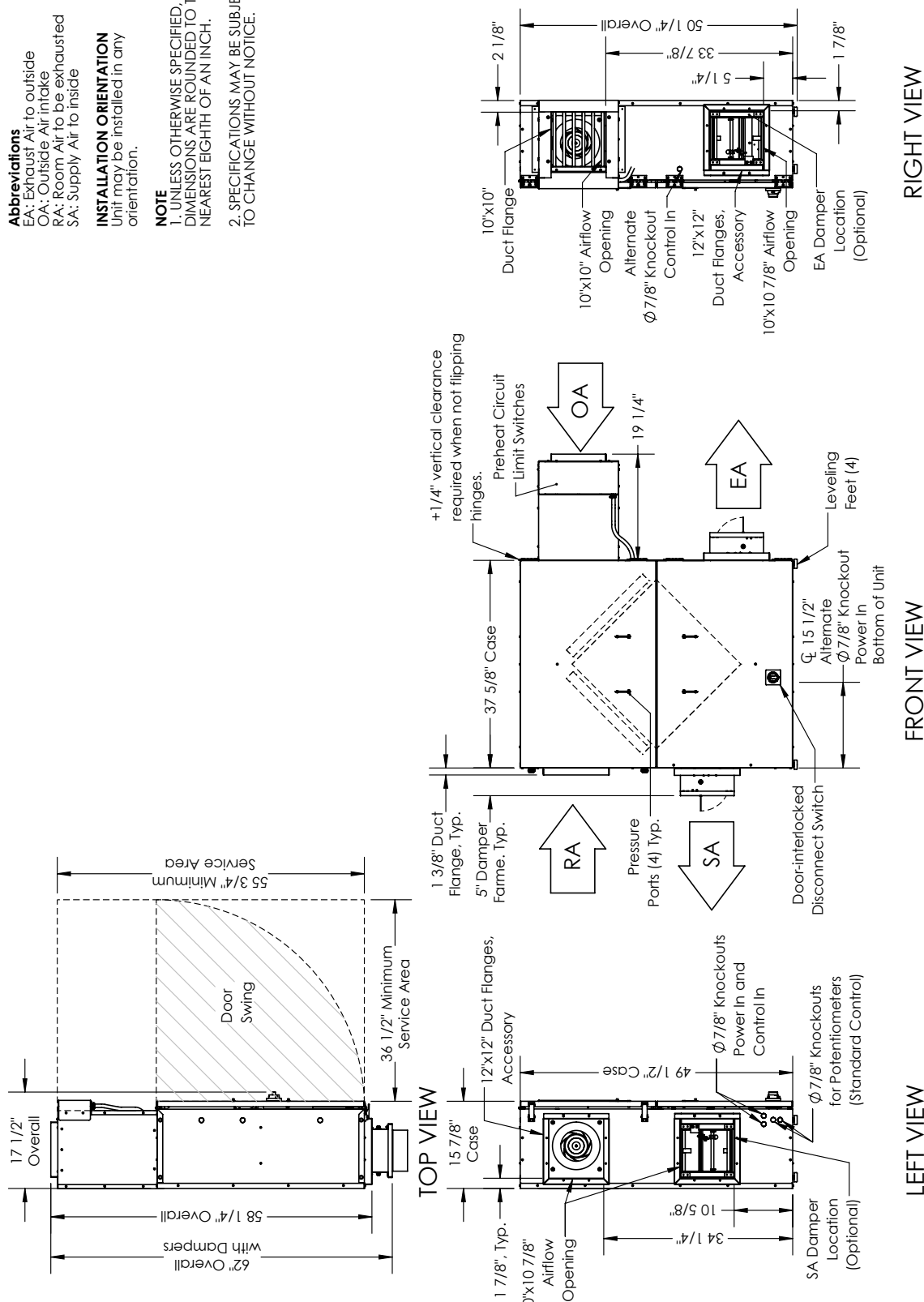
HE07INV ENERGY RECOVERY VENTILATOR WITH ELECTRIC PREHEAT

Abbreviations
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 SA: Supply Air to inside

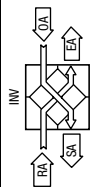
INSTALLATION ORIENTATION
 Unit may be installed in any orientation.

NOTE

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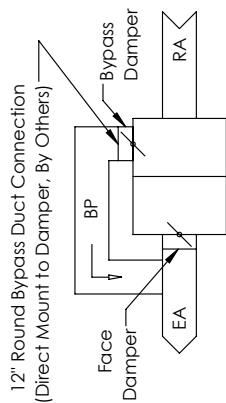
UNIT MOUNTING & APPLICATION
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 Airstreams cannot be switched.



AIRFLOW ORIENTATION
 Available as shown:



Subject to change without notice: **RENEWAIRE.COM** | 1.800.627.4499



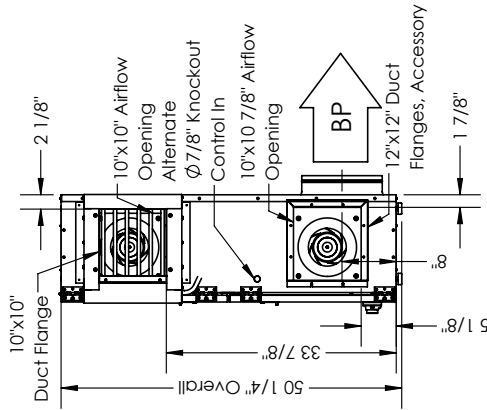
BYPASS AIRFLOW SCHEMATIC
TOP VIEW
(OA/SA Airstream Not Shown)

Abbreviations
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside

NOTE
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UNITS WITH BYPASS

1. WILL REQUIRE ADDITIONAL SPACE FOR THE CONNECTION OF THE BYPASS DUCT (BY OTHERS).
2. FOR INSTALLATION DETAILS, REFER TO I&O MANUAL SUPPLEMENT FOR BYPASS.
3. BYPASS DAMPER SHIPPED LOOSE, FIELD INSTALLATION REQUIRED.



FRONT VIEW

RIGHT VIEW



UNIT MOUNTING & APPLICATION

Unit must not be mounted with doors facing up or down.
Airstreams cannot be switched.



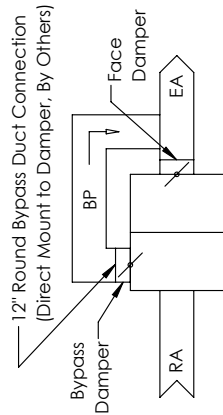
HEO7INV ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER & ELECTRIC PREHEAT

Abbreviations
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 SA: Supply Air to inside

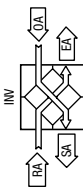
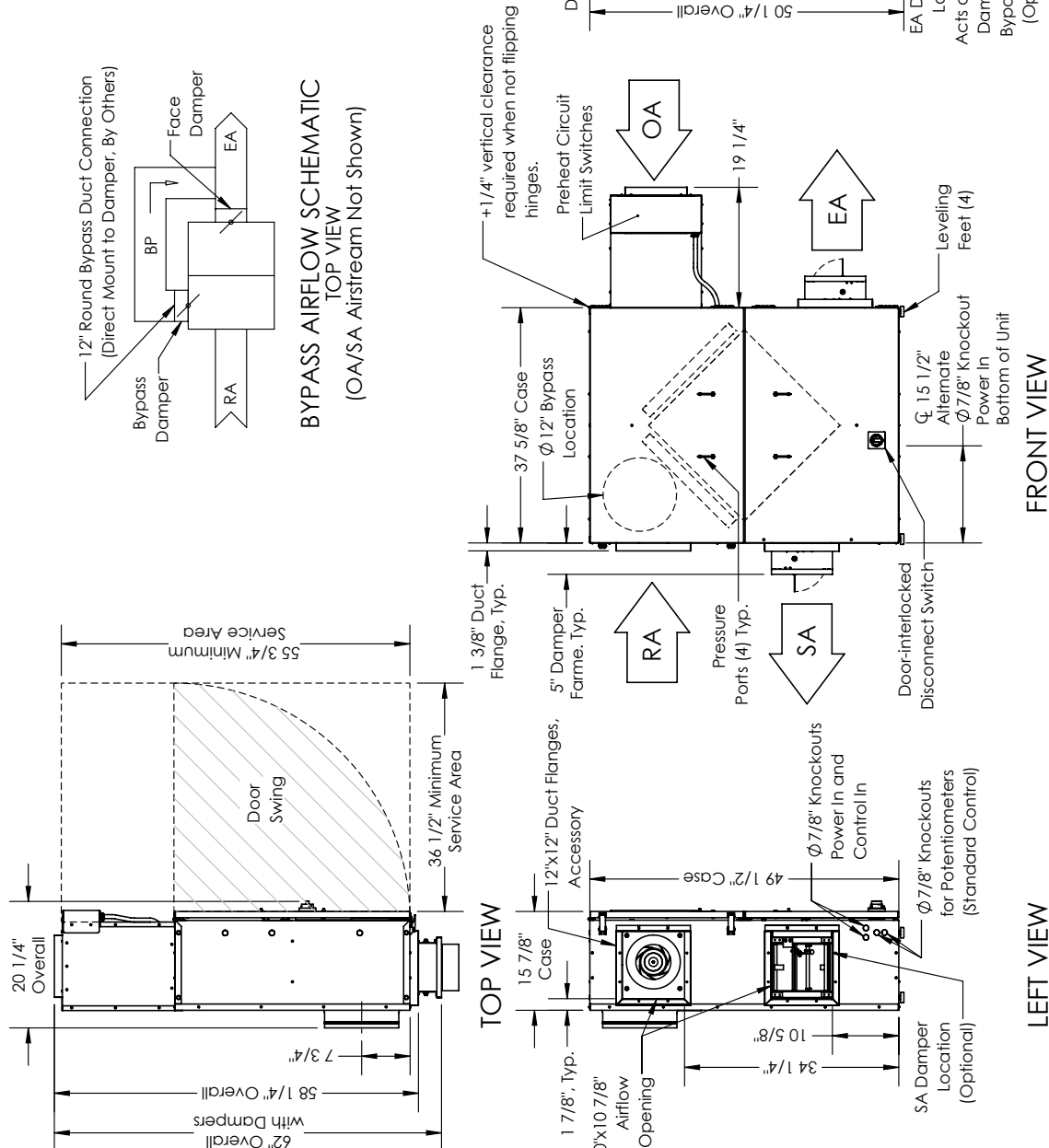
INSTALLATION ORIENTATION
 Unit may be installed in any orientation.

NOTE
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**BYPASS AIRFLOW SCHEMATIC
TOP VIEW**
 (OA/SA Airstream Not Shown)



UNIT MOUNTING & APPLICATION
 Unit must not be mounted with doors facing up or down.
 Airstreams cannot be switched.

AIRFLOW ORIENTATION
 Available as shown:

