



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:**

194–386 lbs., varies by option(s)

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

70" L x 47" W x 55 1/4" H; 418 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

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: 12"

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

Hooded wall vent 12": galvanized, paintable galvanneal

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

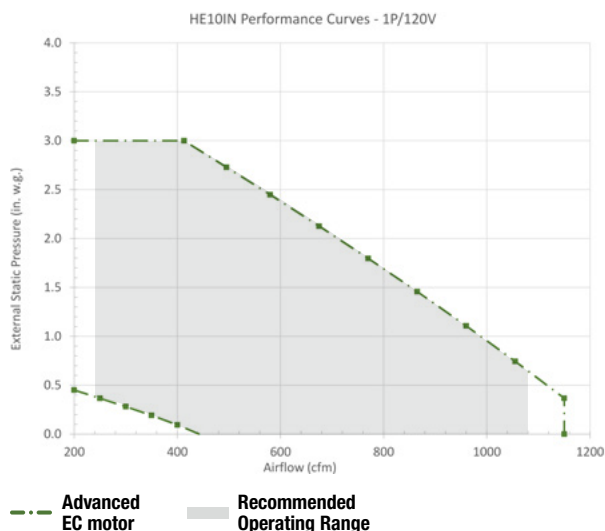
HE+DX coils integrated system

Hanging bracket kit

Hanging spring vibration isolation kit

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

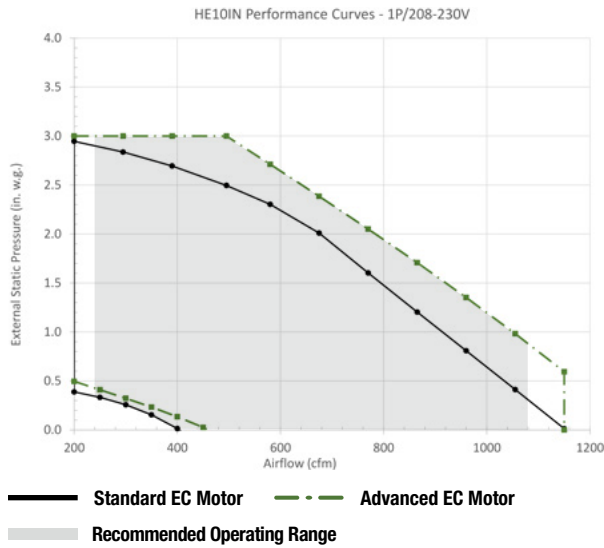
### EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



| HE10IN MOTOR 1P/120V Options |                                                |                                |
|------------------------------|------------------------------------------------|--------------------------------|
| Airflow (CFM)                | Advanced EC                                    |                                |
|                              | External Static Pressure (Inches Water Column) | Unit Power Consumption (Watts) |
| 200                          | 3.00                                           | 673                            |
| 413                          | 3.00                                           | 989                            |
| 495                          | 2.73                                           | 1027                           |
| 580                          | 2.45                                           | 1060                           |
| 675                          | 2.13                                           | 1087                           |
| 770                          | 1.80                                           | 1105                           |
| 865                          | 1.46                                           | 1113                           |
| 960                          | 1.11                                           | 1113                           |
| 1055                         | 0.75                                           | 1103                           |
| 1150                         | 0.37                                           | 1084                           |
| 1150                         | 0.00                                           | 877                            |

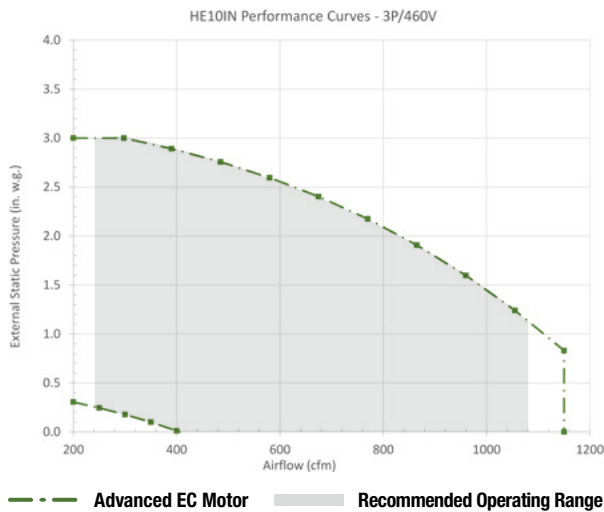
**Note:** Airflow performance includes effect of clean, standard filter supplied with unit.

### EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



| HE10IN 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                              | 2.95                                           | 571                            | 3.00                                           | 672                            |
| 295                              | 2.84                                           | 658                            | 3.00                                           | 809                            |
| 390                              | 2.69                                           | 737                            | 3.00                                           | 953                            |
| 495                              | 2.50                                           | 813                            | 3.00                                           | 822                            |
| 580                              | 2.30                                           | 864                            | 2.71                                           | 1158                           |
| 675                              | 2.01                                           | 900                            | 2.38                                           | 1190                           |
| 770                              | 1.60                                           | 900                            | 2.05                                           | 1215                           |
| 865                              | 1.20                                           | 900                            | 1.71                                           | 1231                           |
| 960                              | 0.81                                           | 900                            | 1.35                                           | 1239                           |
| 1055                             | 0.41                                           | 900                            | 0.98                                           | 1239                           |
| 1150                             | 0.01                                           | 900                            | 0.59                                           | 1232                           |
| 1150                             |                                                |                                | 0.00                                           | 877                            |

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



| HE10IN MOTOR 3P/460V Options |                                                |                                |
|------------------------------|------------------------------------------------|--------------------------------|
| Airflow (CFM)                | Advanced EC                                    |                                |
|                              | External Static Pressure (Inches Water Column) | Unit Power Consumption (Watts) |
| 200                          | 3.00                                           | 807                            |
| 298                          | 3.00                                           | 928                            |
| 390                          | 2.89                                           | 1015                           |
| 485                          | 2.76                                           | 1105                           |
| 580                          | 2.60                                           | 1191                           |
| 675                          | 2.40                                           | 1273                           |
| 770                          | 2.18                                           | 1346                           |
| 865                          | 1.91                                           | 1408                           |
| 960                          | 1.60                                           | 1456                           |
| 1055                         | 1.24                                           | 1488                           |
| 1150                         | 0.83                                           | 1501                           |
| 1150                         | 0.00                                           | 1097                           |

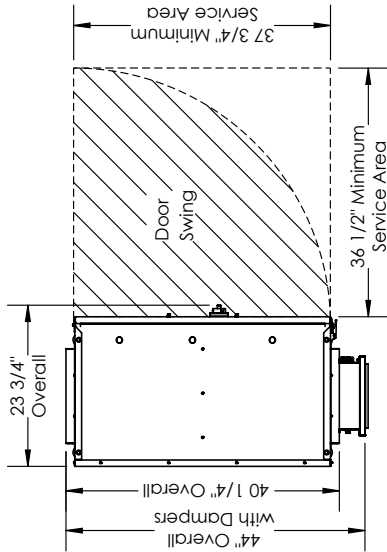
**Note:** Airflow performance includes effect of clean, standard filter supplied with unit.

### 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                                 |

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

# HE10IN<sub>H</sub> ENERGY RECOVERY VENTILATOR



## Abbreviations

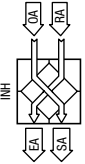
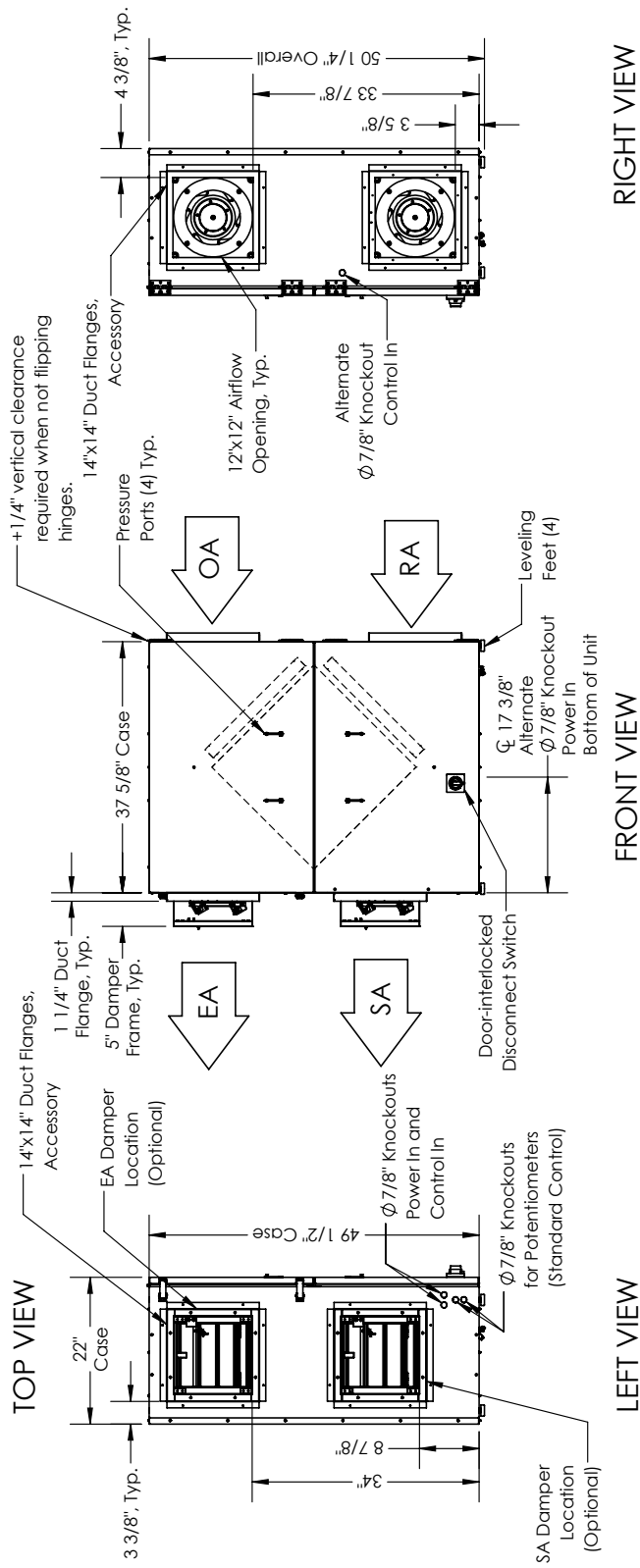
EA: Exhaust Air to outside  
OA: Outside Air intake  
RA: Room Air to be exhausted  
SA: Supply Air to inside

## INSTALLATION ORIENTATION

Unit may be installed in any orientation.

## NOTE

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

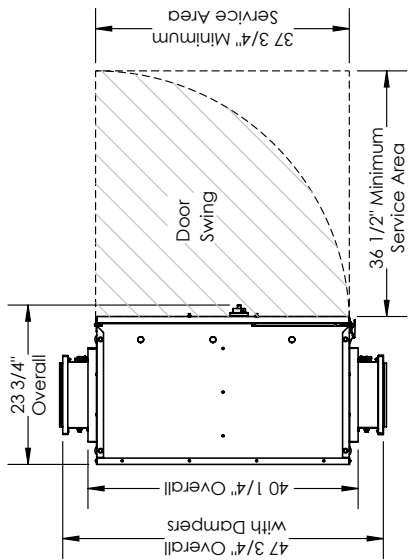
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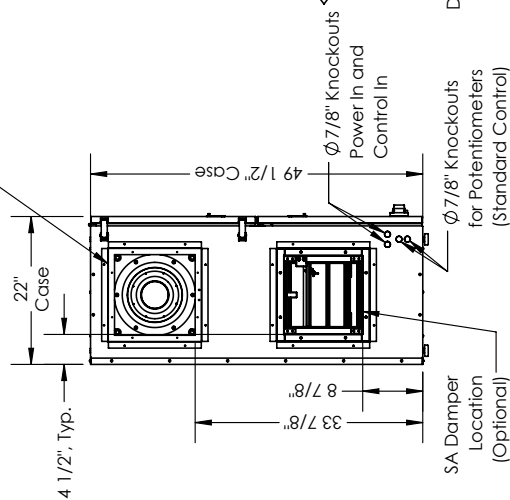
## UNIT MOUNTING & APPLICATION

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

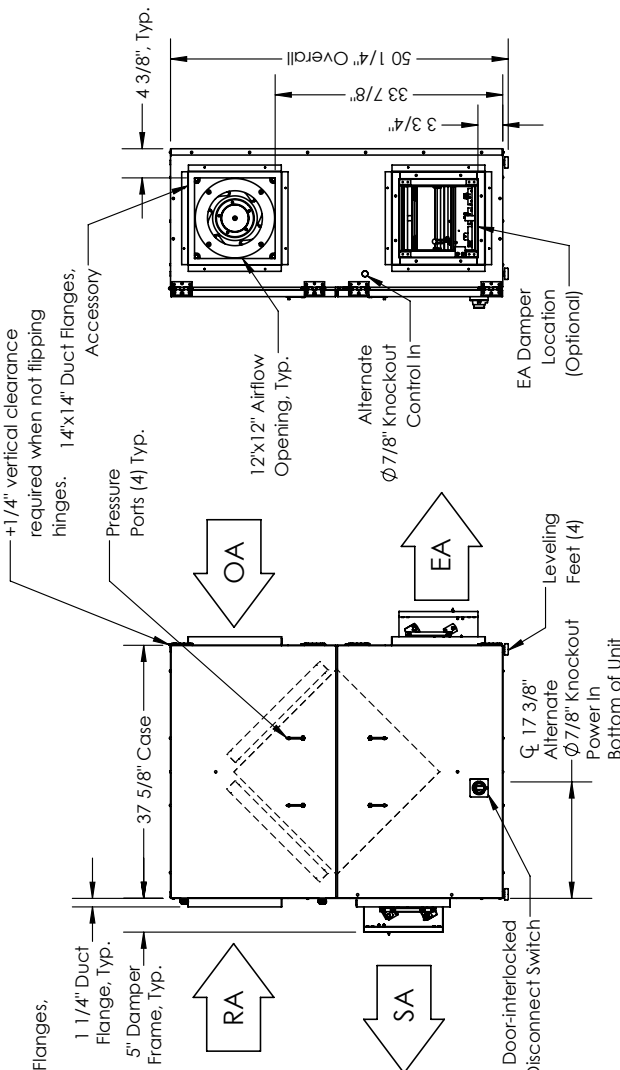
# HE10IN<sub>V</sub> ENERGY RECOVERY VENTILATOR



TOP VIEW



LEFT VIEW



RIGHT VIEW

## Abbreviations

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

## INSTALLATION ORIENTATION

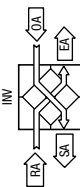
Unit may be installed in any orientation.

## NOTE

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

## AIRFLOW ORIENTATION

Available as shown:

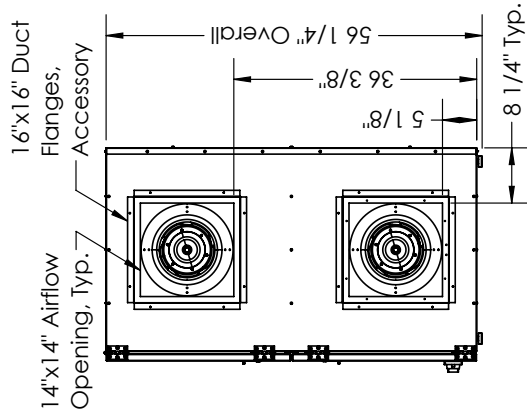
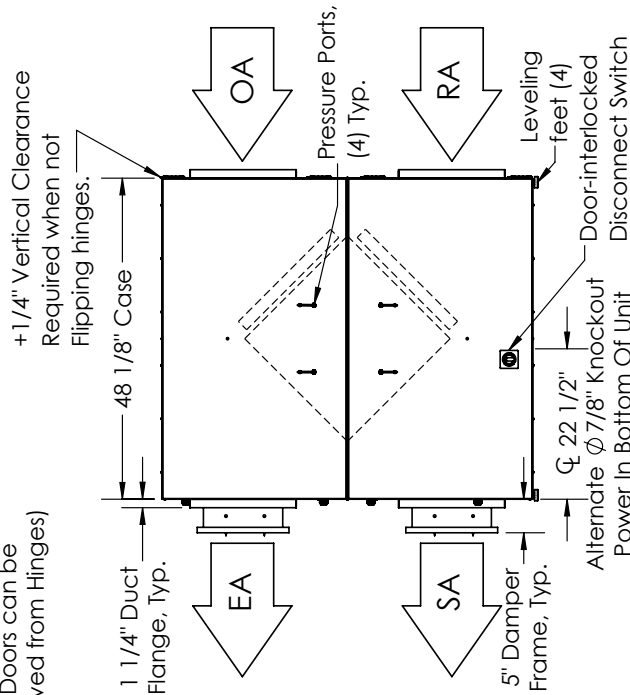
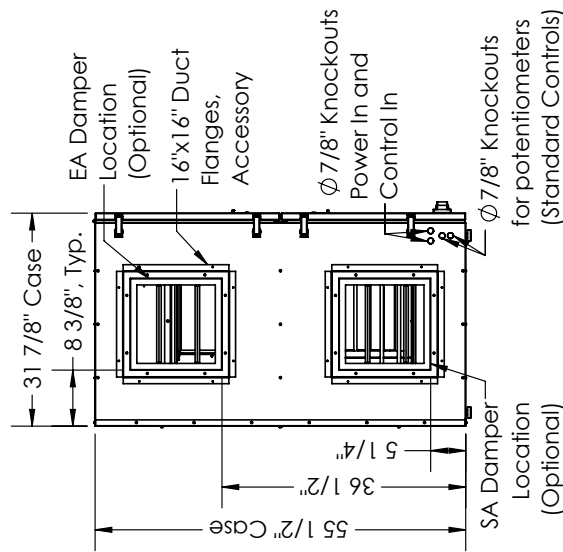
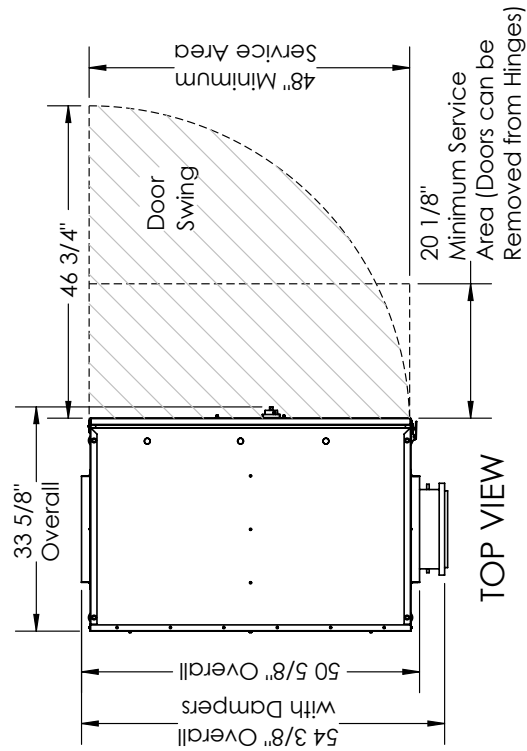


## UNIT MOUNTING & APPLICATION

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



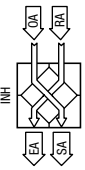
# HE10INH ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER



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

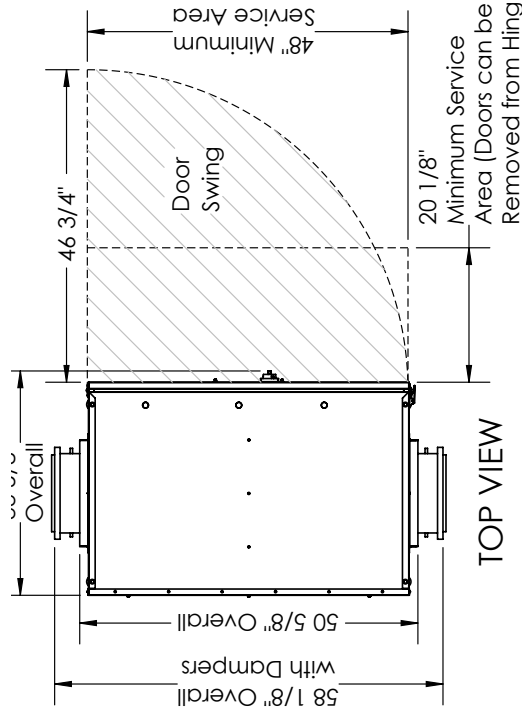
**INSTALLATION ORIENTATION**  
 Unit may be installed in any orientation.

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

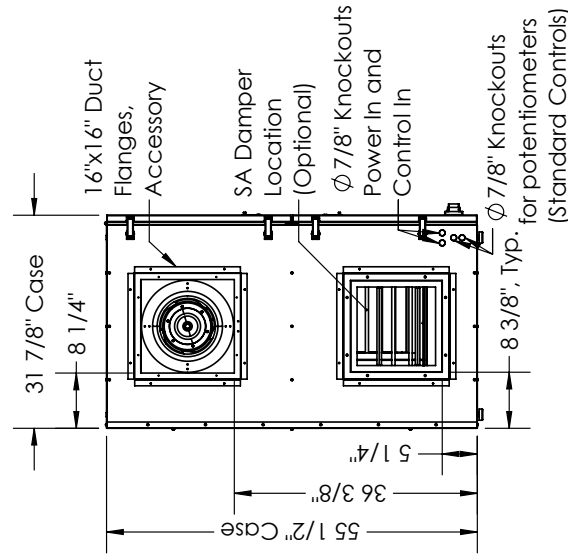


**UNIT MOUNTING & APPLICATION**  
 Can be mounted in any orientation. Airstream cannot be switched.

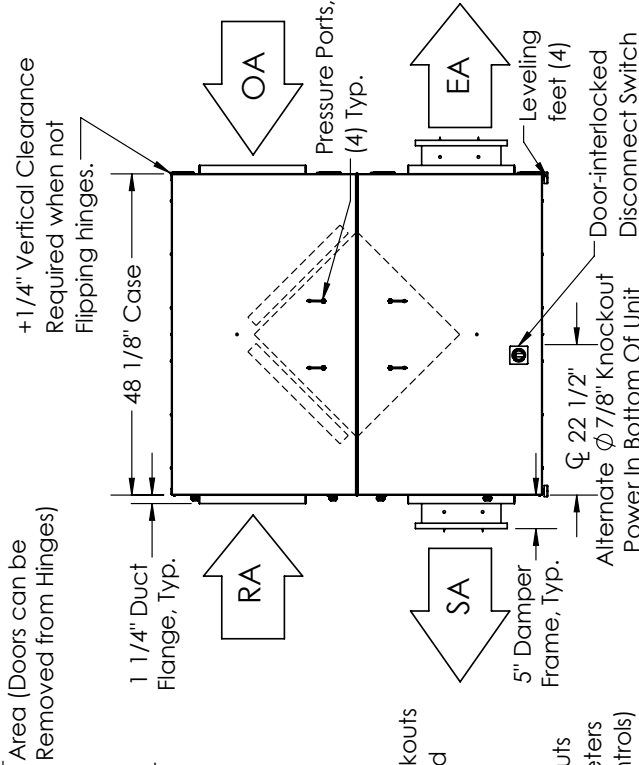
# HE10INV ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER



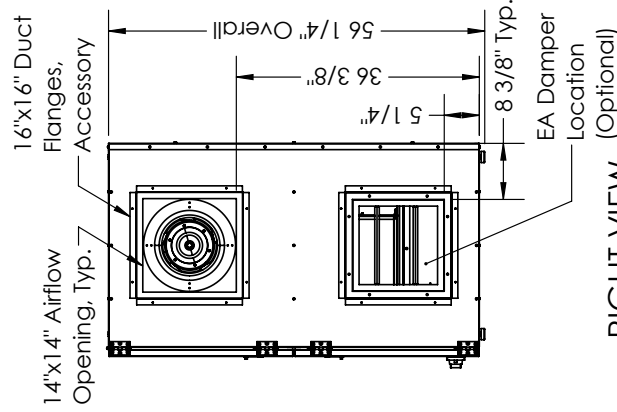
TOP VIEW



LEFT VIEW



FRONT VIEW

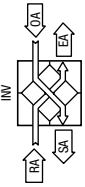


RIGHT VIEW

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

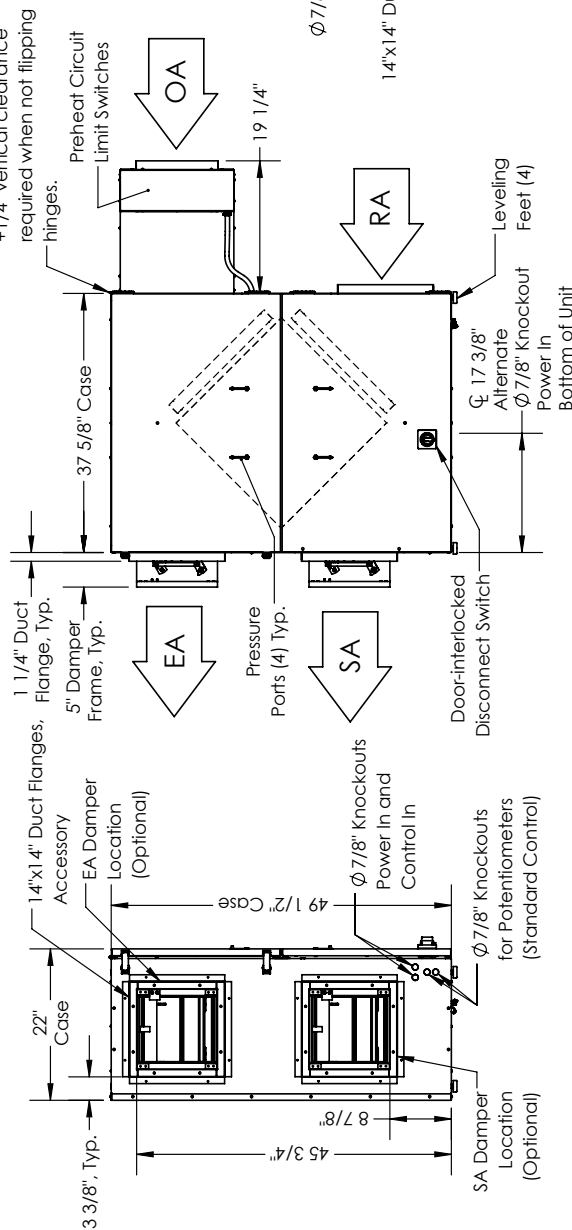
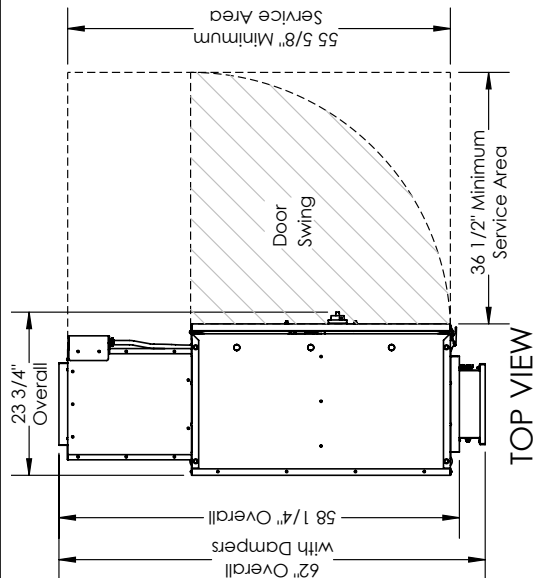
**INSTALLATION ORIENTATION**  
 Unit may be installed in any orientation.

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



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

# HE10INH ENERGY RECOVERY VENTILATOR WITH ELECTRIC PREHEAT



LEFT VIEW

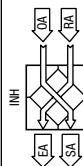
RIGHT VIEW

**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.



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

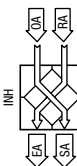
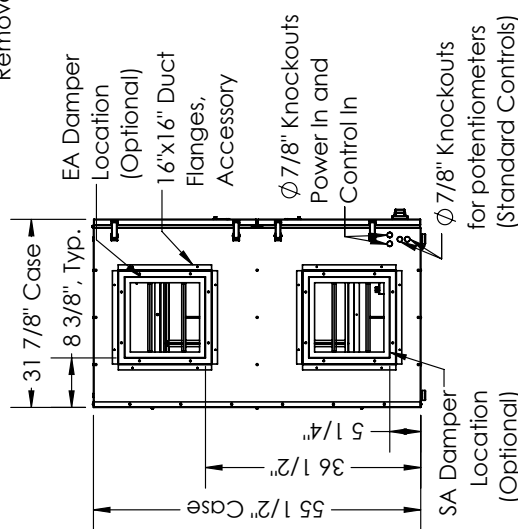
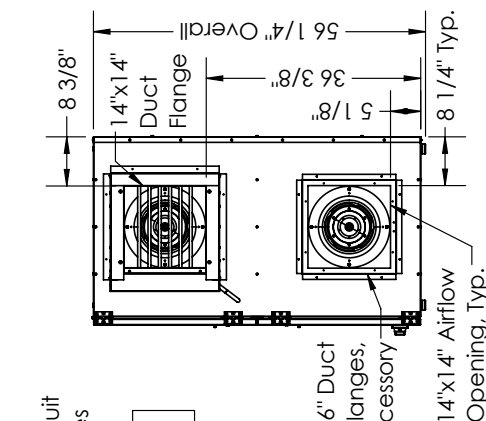
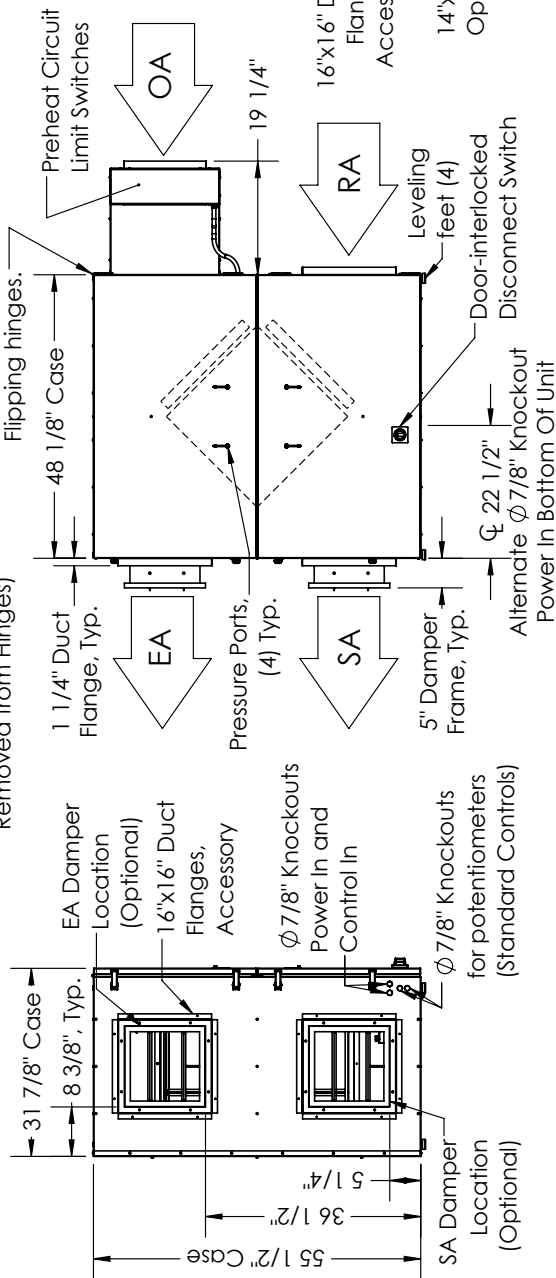
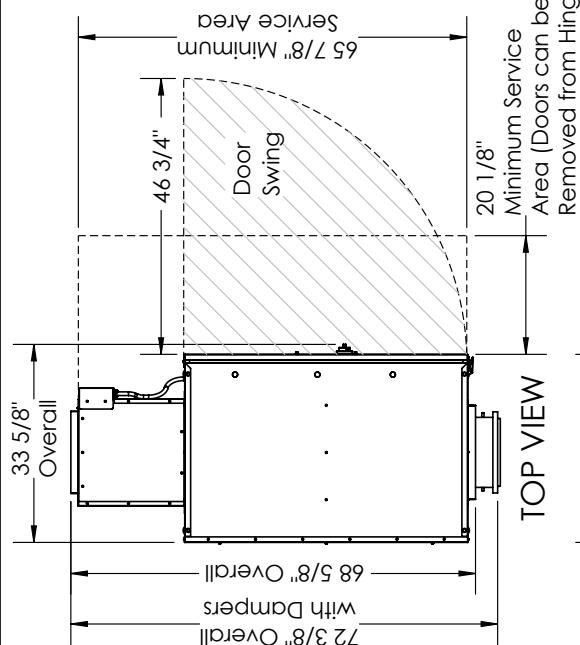


# HE10INH ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER & ELECTRIC PREHEAT

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



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

# HE10IN<sub>V</sub> ENERGY RECOVERY VENTILATOR WITH BYPASS ECONOMIZER & ELECTRIC PREHEAT

## ABBREVIATIONS

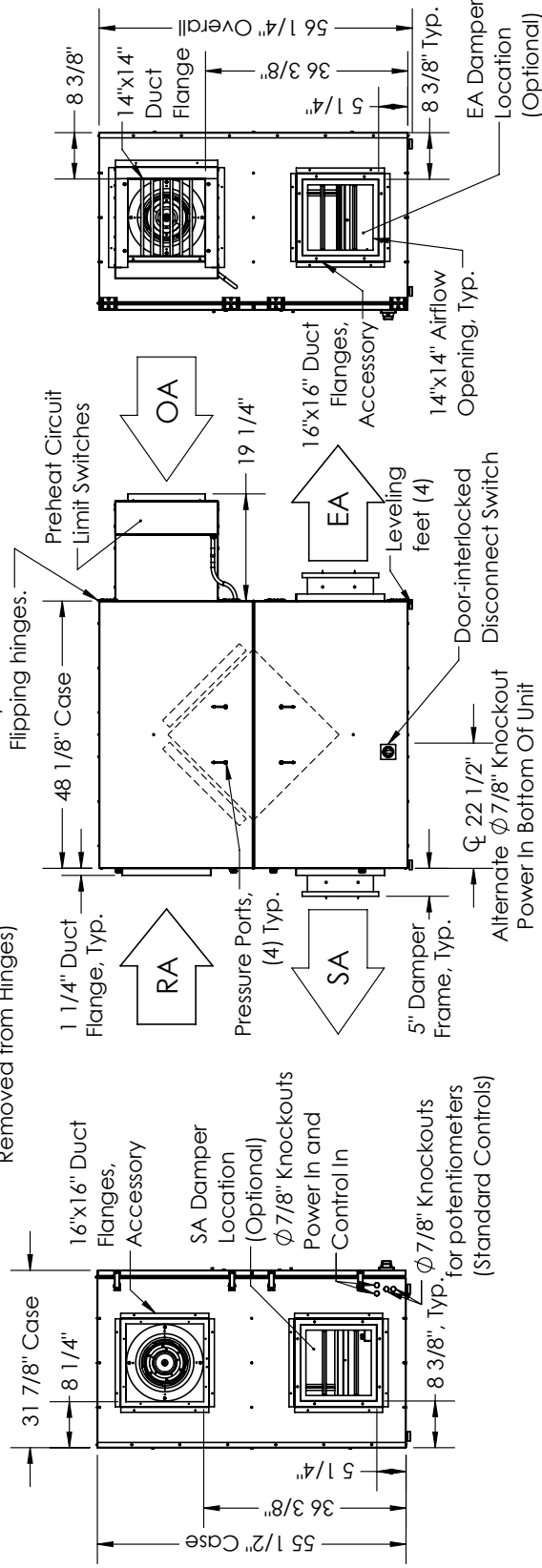
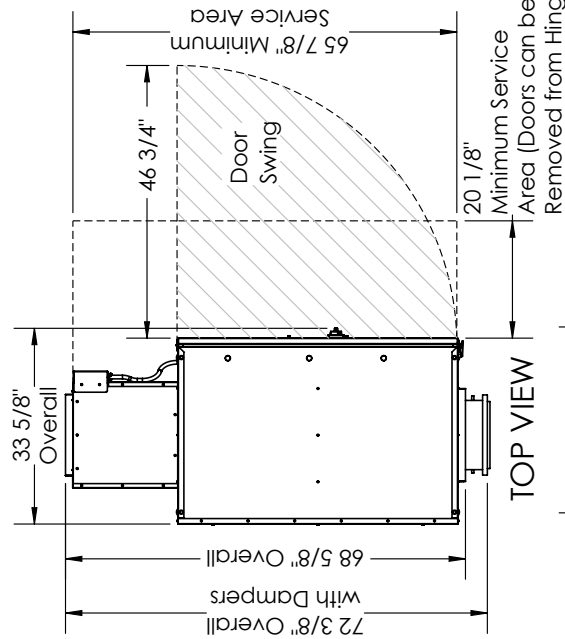
EA: Exhaust Air to Outside  
OA: Outside Air Intake  
RA: Room Air to be Exhausted  
SA: Supply Air to Inside

## INSTALLATION ORIENTATION

Unit may be installed in any orientation.

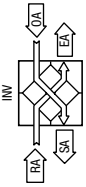
## NOTE

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

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