

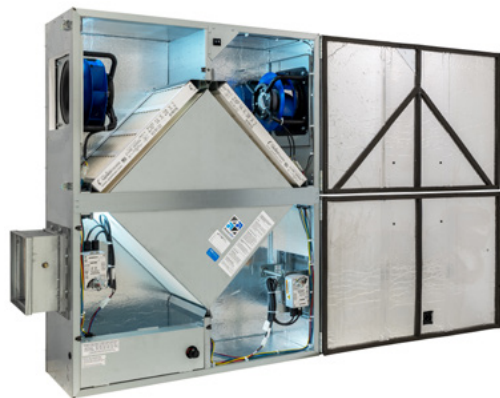


NEW! INDOOR UNIT

ENERGY RECOVERY VENTILATOR EC MOTOR



SPECIFICATIONS



Energy recovery core is AHRI Certified®

**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:

148-278 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

60" L x 30" W x 55 1/4" H

310 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

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

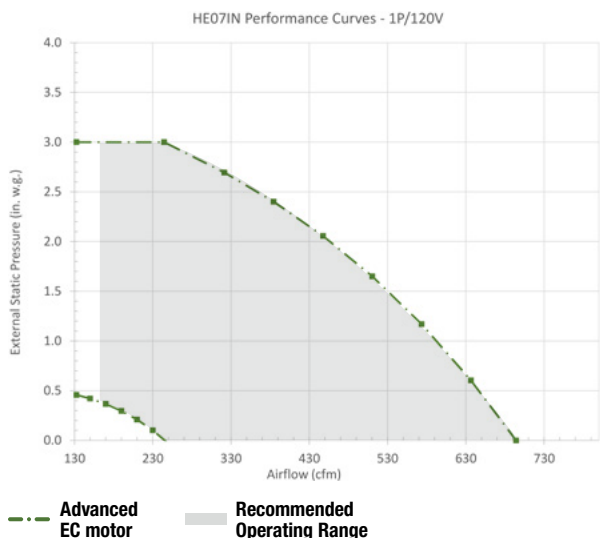
HE+DX coils

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)

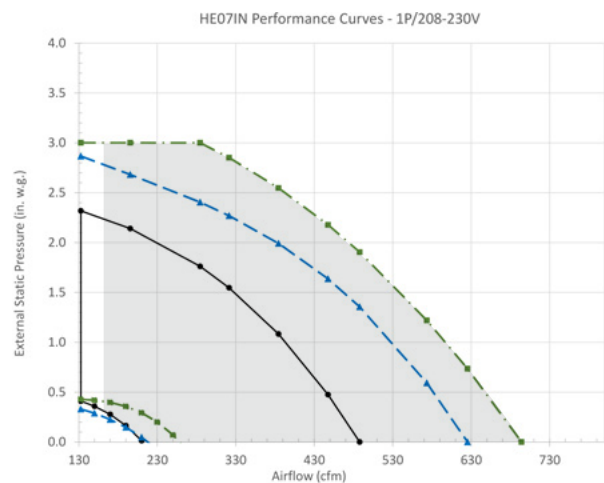
Scan QR code to see life size version of HE07IN, or view here:
<https://ar.marketscale.com/renewaire/he07in>



ENERGY RECOVERY VENTILATOR EC MOTOR



EC MOTOR OPERATING RANGE AND FAN PERFORMANCE



— Standard EC motor - - - Intermediate EC motor - - - Advanced EC motor
 ■ Recommended Operating Range

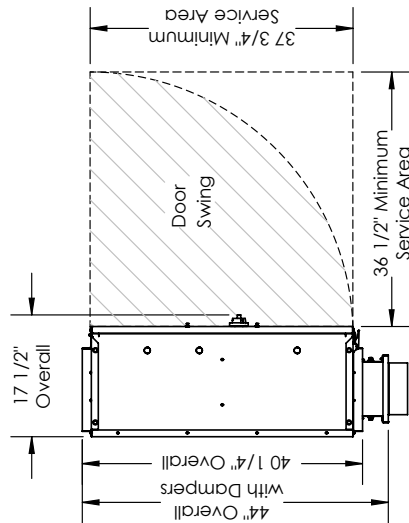
HE07IN MOTOR 1P/208-230V Options						
Airflow (CFM)	Standard EC		Intermediate EC		Advanced EC	
	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	External Static Pressure (Inches Water Column)	Unit 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

HE07INH ENERGY RECOVERY VENTILATOR EC MOTOR

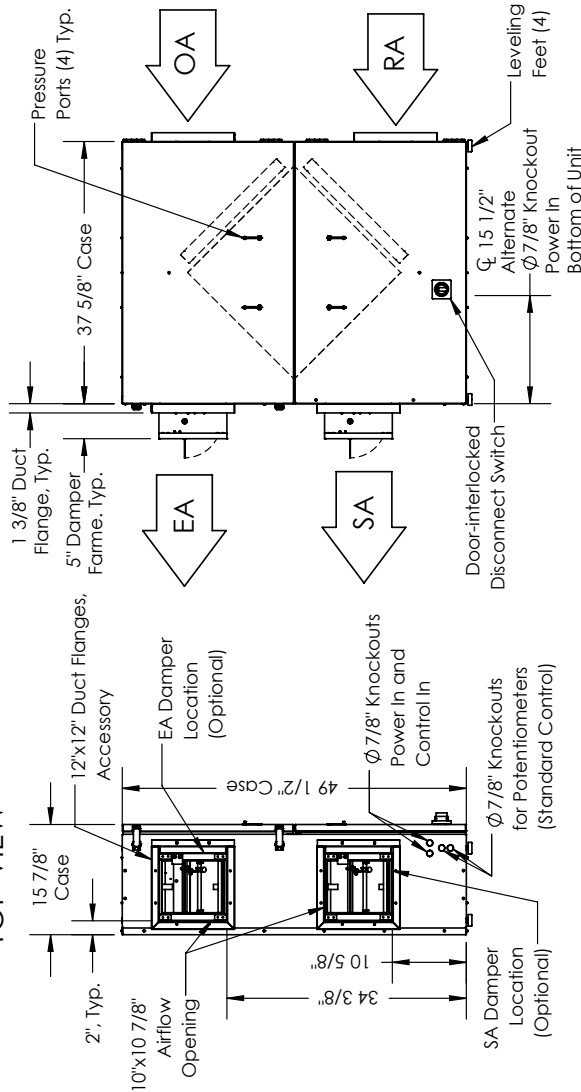


ABBREVIATIONS
 EA: Exhaust Air to Outside
 OA: Outside Air Intake
 RA: Room Air to be Exhausted
 SA: Supply Air to Inside

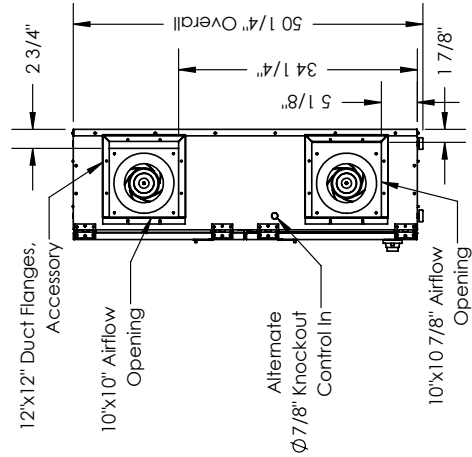
INSTALLATION ORIENTATION
 Unit may be installed in any orientation.

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

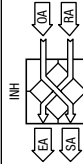


FRONT VIEW



RIGHT VIEW

LEFT VIEW



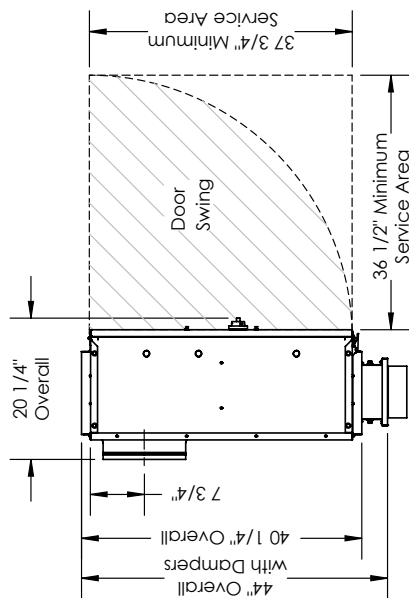
AIRFLOW ORIENTATION
 Available as shown:

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



UNIT MOUNTING & APPLICATION

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



ABBREVIATIONS
 EA: Exhaust Air To Outside
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 BP: Bypass Air Outlet

INSTALLATION ORIENTATION
 Unit may be installed in any orientation.

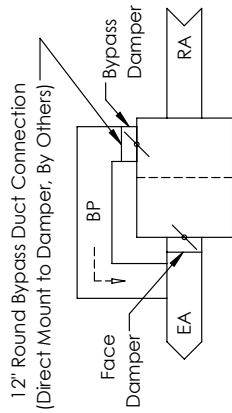
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3. UNITS WITH BYPASS WILL REQUIRE ADDITIONAL SPACE FOR THE CONNECTION OF THE BYPASS DUCT (BY OTHERS).

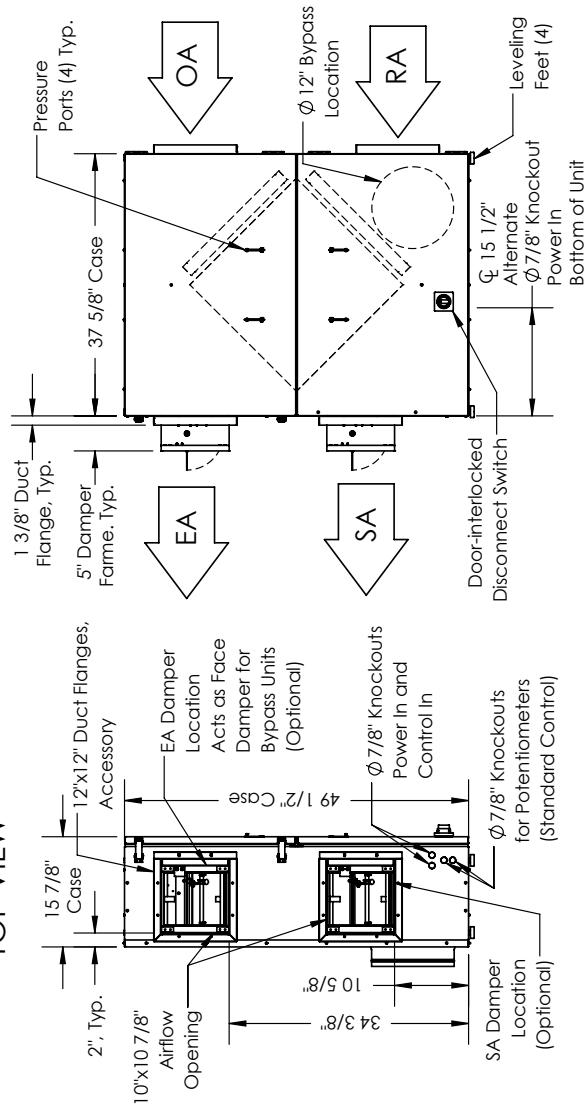
4. FOR INSTALLATION DETAILS, REFER TO I&O MANUAL SUPPLEMENT FOR BYPASS.

5. BYPASS DAMPER SHIPPED LOOSE, FIELD INSTALLATION REQUIRED.



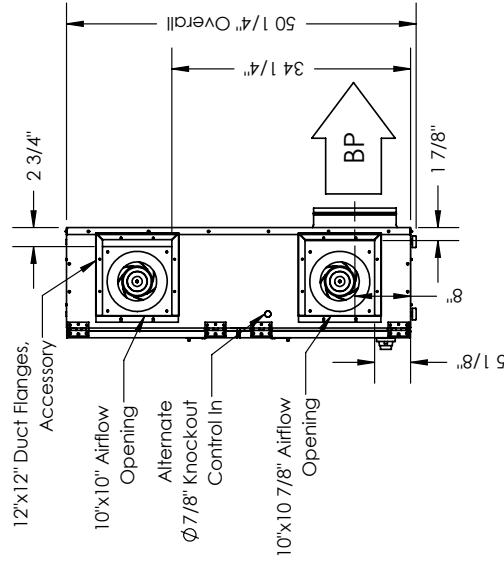
BYPASS AIRFLOW SCHEMATIC TOP VIEW
 (OA/SA Airstream Not Shown)

TOP VIEW

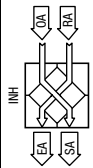


LEFT VIEW

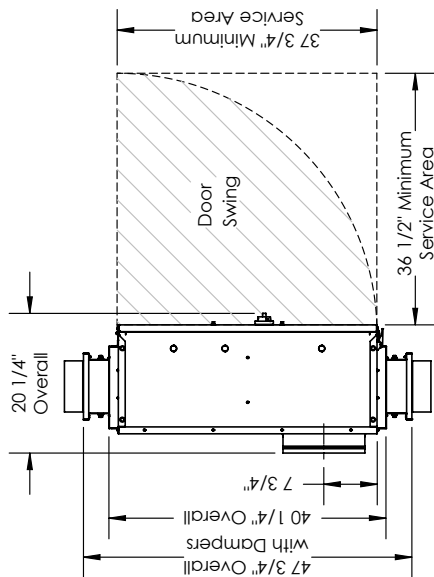
FRONT VIEW



RIGHT VIEW



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



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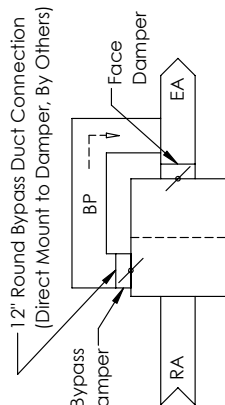
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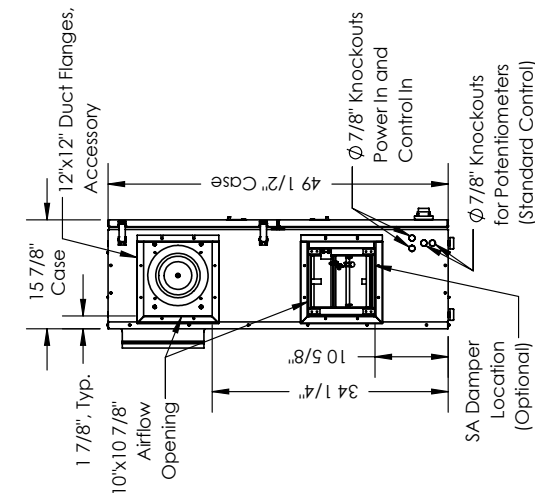
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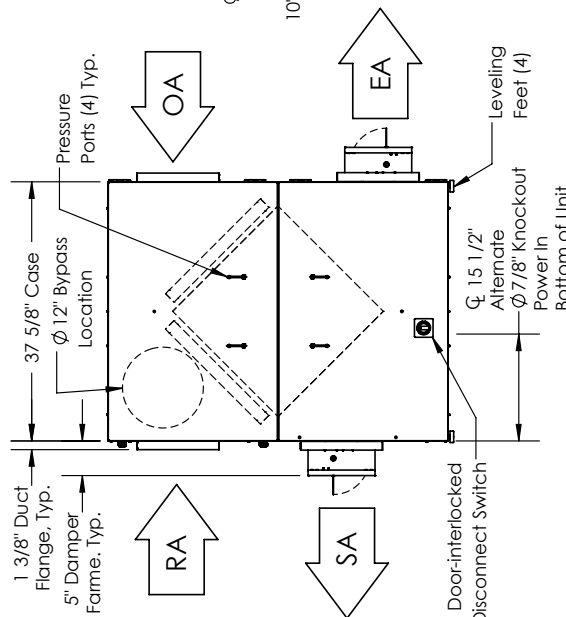
BYPASS AIRFLOW SCHEMATIC
 TOP VIEW
 (OA/SA Airstream Not Shown)



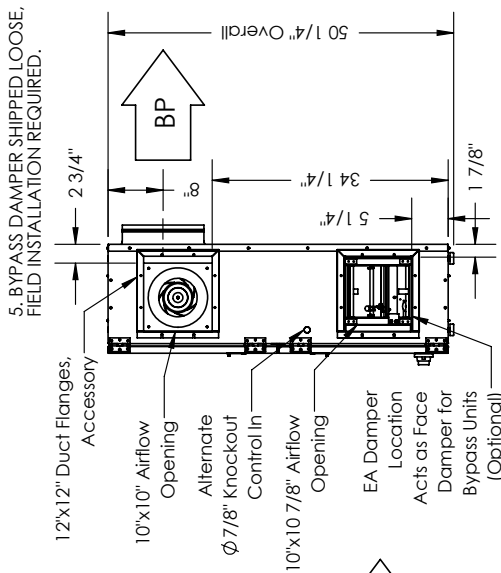
TOP VIEW



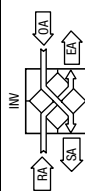
LEFT VIEW



FRONT VIEW



RIGHT VIEW



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