

# HE 1.5XINV

## Energy Recovery Ventilator EC Motor Option



**INDOOR UNIT**



HE1.5XINV shown

Energy Recovery Core is AHRI Certified®



**SPECIFICATIONS**

**Ventilation Type:**

Static plate, heat and humidity transfer

**Typical Airflow Range:** 375-1,575 CFM

**AHRI 1060 Certified Core:**

One L62-G5 and one L125-G5

**Standard Features:**

Non-fused disconnect  
24 VAC transformer/relay package  
Cross-core differential pressure ports

**Filters:**

Total qty. 4, MERV 8: (2) 14" x 20" x 2" and  
(2) 16" x 20" x 2"

**Unit Weight:**

336-504 lbs., varies by option(s)

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

70" L x 47" W x 59" H  
571 lbs.

**Motor(s):**

Qty. 2, 1.0 HP ea., Direct drive EC motorized  
impeller packages

**Options:**

Fused disconnect  
Integrated programmable controls - enhanced, premium  
Bypass economizer damper (see bypass DIM drawing) - dry-bulb temperature controls (standard), enthalpy controls (option)  
Class 1 low leakage motorized isolation dampers - FA, EA or both airstreams  
Gravity backdraft dampers  
Qty. 2, Factory mounted filter alarms - both airstreams  
Double wall construction  
Exterior paint - white, custom colors

**Accessories:**

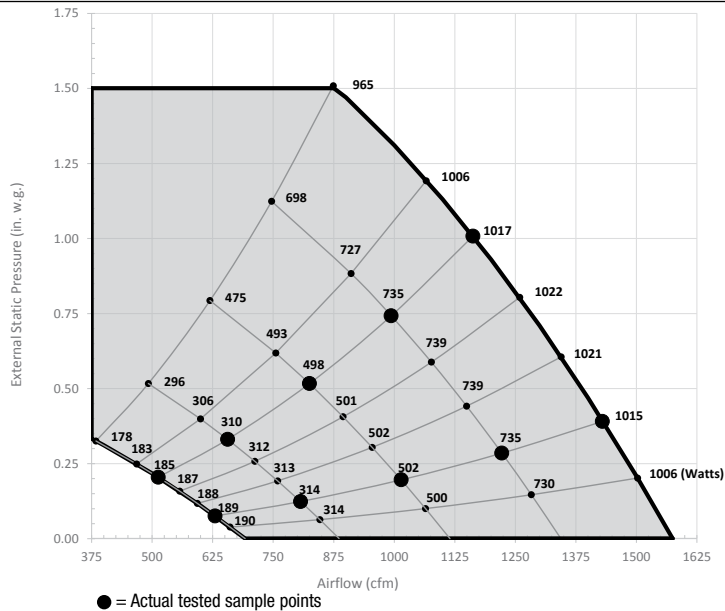
Filters - MERV 13, 2" (shipped loose)  
Backdraft damper - OA or EA  
Automatic balancing damper - 4", 5", 6"  
Potentiometer speed control - remote installed  
Digital time clock - wall mount (TC7D-W), in exterior enclosure (TC7D-E)  
Carbon dioxide sensor/control - wall mount (CO2-W), duct mount (CO2-D)  
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)  
Electric duct heater - EK series (1-175 kW)  
Indirect gas-fired duct furnace - GH series (50-400 MBH), installed downstream of any fans

**EC MOTOR OPTION OPERATING RANGE**

HE1.5XINV EC MOTOR		
Sample Points Depicted in Larger Dots		
Airflow (CFM)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
630	0.07	189
807	0.12	314
1014	0.20	502
1222	0.28	735
1430	0.39	1015
513	0.20	185
656	0.33	310
825	0.52	498
994	0.74	735
1163	1.01	1017

**Note:** Watts is for the entire unit.

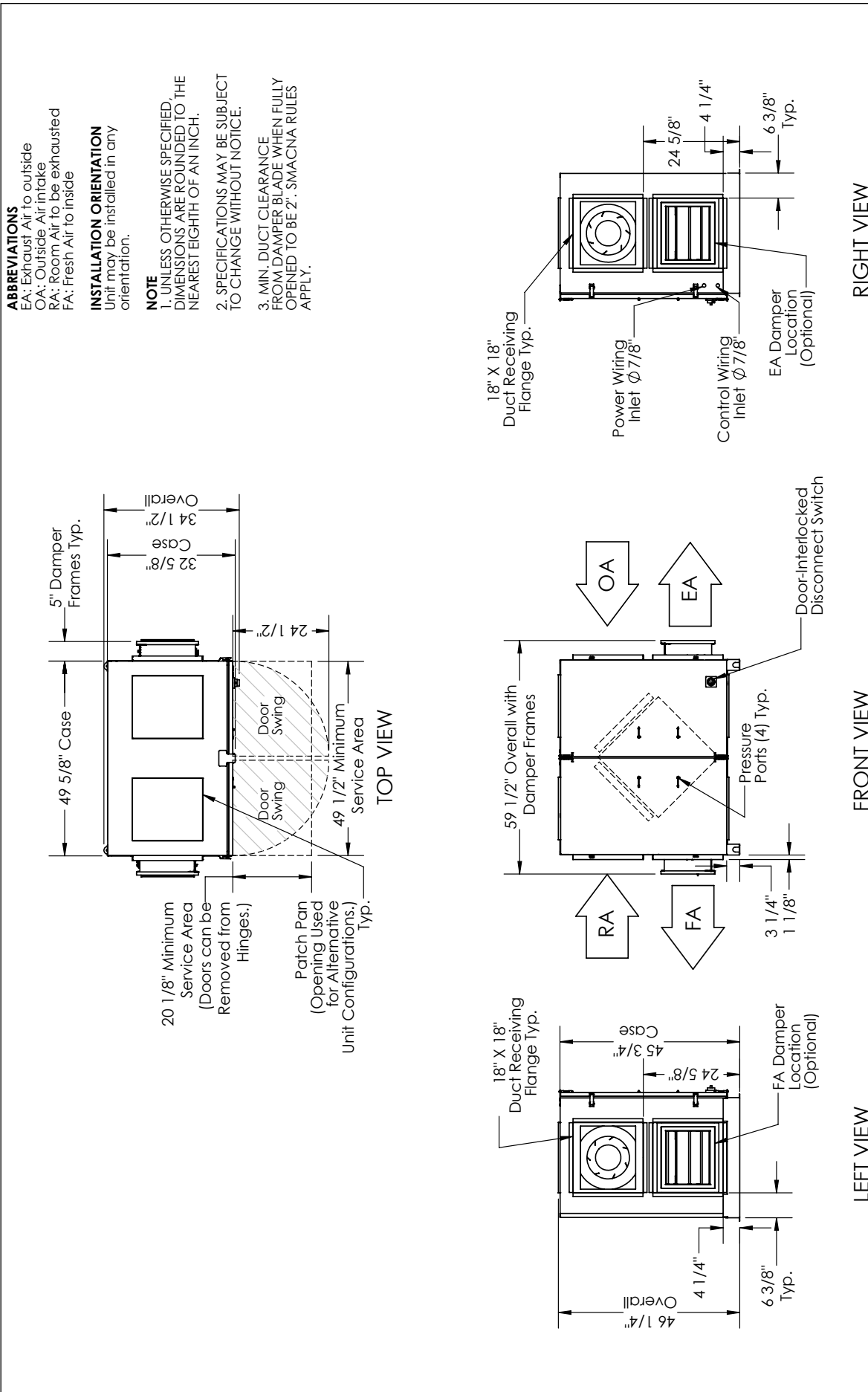
**Note:** Airflow performance includes effect of clean, standard filter supplied with unit.



**ELECTRICAL DATA**

HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
1.0	120	60	Single	8.0	18.0	20
1.0	208-230	60	Single	4.4	9.9	15
1.0	277	60	Single	4.4	9.9	15

# HE1.5XINV Energy Recovery Ventilator EC Motor Option



**ABBREVIATIONS**

- 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.
3. MIN. DUCT CLEARANCE FROM DAMPER BLADE WHEN FULLY OPENED TO BE 2". SMACNA RULES APPLY.

**UNIT MOUNTING & APPLICATION**  
 Can be mounted in any orientation. RA/EA airstream can be switched with OA/FA airstream unless certain options are selected. Duct configuration is field convertible.



**AIRFLOW CONFIGURATION**  
 Available as shown in dimension drawing.

