

# AIR-140-ERVV

## ENERGY RECOVERY VENTILATOR

Cold weather certified for year-round ventilation



### THE NEXT GENERATION OF COMPACT DESIGN & EFFICIENCY

- Designed for high-rise condos, apartments and townhomes with limited mechanical space
- Low profile, fits in bulkhead and drop ceilings, slim height 10"
- Ceiling or wall mount
- Flexible CFM operational range
- 3 High speed selections
- Brackets included for easy installation
- No drains required
- Swing open e-box cover for quick access to circuit board and DIP switches
- Convenient hinged door - no screws

### ENGINEERING DATA:

#### TOTAL RECOVERY CORE

Cross-flow energy recover core transfers heat and water vapor between two airstreams. Easily removed for cleaning or service.

#### MOTORS AND BLOWERS

Each airstream has an independent PSC motorized impeller with multiple fan speed operation.

#### MERV 6 FILTERS

Washable air filters in exhaust and supply airstreams. Upgrade to MERV 13 option available.

#### MOUNTING

Mounting brackets supplied for ceiling or wall installation

#### FROST PREVENTION

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

#### CASE

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation.

#### INSTALLER SELECTABLE HIGH SPEED SETTINGS

Adjustable DIP switches are located on the circuit board, Hi3 is the factory setting. Refer to the installation manual for the adjustment instructions.

#### BALANCING

Balancing made easy with built-in collar-mounted balancing ports.

### OPTIONAL ACCESSORIES:

**TechGrille**  
99-EAG4  
99-EAG5  
99-EAG6  
99-EAG8



**Terminator Fitting**  
99-TM4  
99-TM5



**Wireless 20/40/60 Min Timer**  
99-DET02



**Dual Hood**  
99-190



**Weather Hoods**  
99-185



### AIRFLOW CONTROL OPTIONS

FEATURES	99-GDXPL03	99-GBC02	99-GBC03	99-GBC04
5 speed fan operation on each mode	✓			
2 speed fan operation (Low/High)		✓		✓
Continuous low speed fan operation			✓	
Humidity control through adjustable Dehumidistat	✓	✓	✓	
Large digital LCD screen	✓			
LED status indicator lights		✓	✓	✓
Continuous Ventilation	✓	✓	✓	✓
Continuous Recirculation	✓		✓	
20 ON/40 OFF	✓			
10 ON/50 OFF	✓			
20 ON/40 Recirculation	✓		✓	✓
20/40/60 min. High speed override button	✓			
Compatible with 99-DET02 Wireless Timer	✓	✓	✓	✓
3 wire connection	✓	✓	✓	✓

\*Recirculation features not available on fan defrost models.

AIR-140-ERVV 0523

### TIMER OPTIONS

#### 99-DET01 - Airflow 20/40/60 Minute Timer

Initiates high speed ventilation for 20, 40 or 60 minutes. 3 wire connection.

#### 99-DET02 - Wireless Airflow 20/40/60 Minute Timer

Initiates high speed ventilation for 20, 40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40' approximate range.

#### 99-RX02 - Wireless Airflow Repeater

Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.



99-GDXPL03



99-DET02



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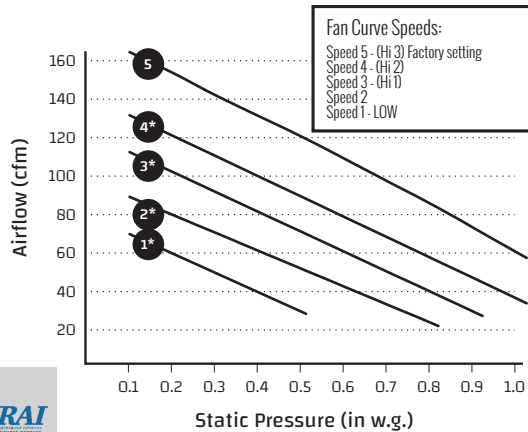
### PERFORMANCE

IN. W.G. (PA)	0.2 (50) CFM (L/s)	0.3 (75) CFM (L/s)	0.4 (100) CFM (L/s)	0.5 (125) CFM (L/s)	0.6 (150) CFM (L/s)	0.7 (175) CFM (L/s)	0.8 (200) CFM (L/s)	0.9 (225) CFM (L/s)
Net Supply Airflow	150 (71)	140 (66)	127 (60)	117 (55)	106 (50)	93 (44)	81 (38)	68 (32)
Gross Supply Airflow	153 (72)	140 (66)	129 (61)	119 (56)	106 (50)	93 (44)	83 (39)	70 (33)
Gross Exhaust Airflow	153 (72)	140 (66)	129 (61)	117 (55)	104 (49)	91 (43)	78 (37)	64 (30)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts @ 64 CFM (30 L/s)	54
Amp Rating	1.2

*Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	85%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 70 CFM (33 L/s)	-13°F (-25°C)	63%
Total Efficiency (TRE) @ 64 CFM (30 L/s)	95°F (35°C)	53%

\* Not an HVI certified data point



WEIGHT:  
**42 LBS (19 KG)**

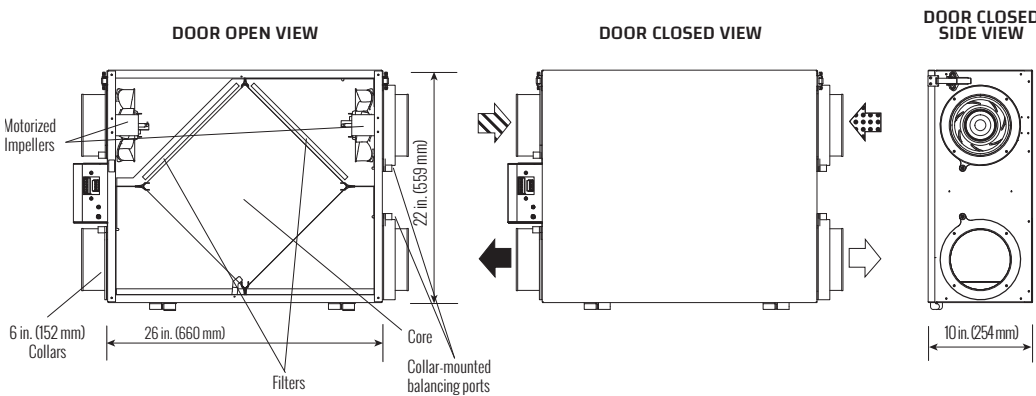
SHIPPING WEIGHT:  
**44 LBS (20 KG)**

**NOTE:**  
Front clearance of 22 in. (559 mm) is recommended for servicing unit. All ducts use 6 in. (152 mm) round collars.

MERV 13 Upgrade: 65-195-6R



### DIMENSIONS



#### Standard Airflow:

- ➡ Stale Air to Outside
- ➡ Fresh Air from Outside
- ➡ Stale Air from Inside
- ➡ Fresh Air to Inside

#### Mirrored Airflow:

- ➡ Fresh Air to Inside
- ➡ Stale Air from Inside
- ➡ Fresh Air from Outside
- ➡ Stale Air to Outside

Date: \_\_\_\_\_

Contractor: \_\_\_\_\_

Tag: \_\_\_\_\_

Supplier: \_\_\_\_\_

Project: \_\_\_\_\_ Qty: \_\_\_\_\_

Quote #: \_\_\_\_\_

Engineer: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Control: \_\_\_\_\_

Timer: \_\_\_\_\_ Timer Qty: \_\_\_\_\_

#### WARRANTY

Units carry a 5 year warranty on the enthalpic (ERV) core and a 5 year replacement parts warranty.

All units conform to CSA and UL standards



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