



# Energy Recovery Ventilator - ERV S15

## TECHNICAL DATA

### EPURAIR ERV S15

The ideal solution For residential towers and small to medium homes.

**ULTRA-THIN (9 inches). NO DRAIN**  
**WATER WASHABLE CORE**  
**115 CFM @ 0.4" w.g. (40 to 70 CFM at low speed)**  
**33W (6 CFM/W)**  
**LOW NOISE**  
**5 YEARS LIMITED WARRANTY**

#### CORE

- AHRI certified.
- ETL Listed
- UL Recognized Component
- UL94 HB Flammability tested
- Recover both sensible and latent energy (heat & humidity).
- Reduce the size of the cooling system by up to 30%.
- Meet or exceed ASHRAE 90.1-2010 with a Total Effectiveness of 50-60%.
- Specially designed and made in Canada to operate from cold to warm and humid climate.
- Operate at lower temperatures without defrost (23°F or -5°C).
- Non paper, metal-polymer composite, high efficiency core.
- Water washable to restore full efficiency without deterioration or contamination.
- Built to last non paper core. Prevent molds growth (ISO846 Hygiene rating of 0 for mold and bacteria growth).
- Avoid virus transfer – ASTM Method F-1671 tested with 0 Penetration.
- Eliminate cross VOCs and CO<sub>2</sub> contamination from exhaust air – 0% EATR certified to AHRI 1060.

#### MOTORS

- High reliability, totally enclosed and thermally protected energy efficient motors.
- Backward curved centrifugal fans.
- No dampers required. 100% adjustable independent exhaust and supply motors with precise balancing via pressure taps and electronic controls for high and low speed.

#### CONTROLS

- Furnace interconnect plug connector factory installed.
- Optional Decora style touch timer (T1) 20-40-60 minutes.
- Optional Decora style 4 functions touch user control (M2) OFF - STANDBY - LOW - INTERMITTENT (20-40 minutes).

#### SIDE PORT MODEL



#### TOP PORT MODEL



#### DESIGN

- Low profile 9 inches.
- No drain.
- No dampers required.
- Fully adjustable airflow up to 115 CFM @ 0.4Inwg.
- Lightweight 22 lbs (10 kg).
- Versatile: Side or top ports, wall or ceiling installable. Reverse configurations also available. Easily fit in space on top of suspended ceilings or below fire rated ceilings.
- Designed and built in Canada.



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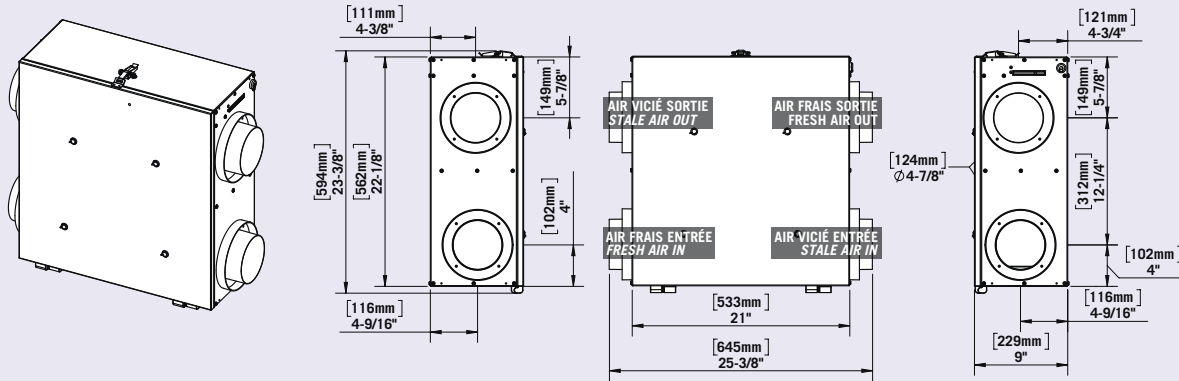
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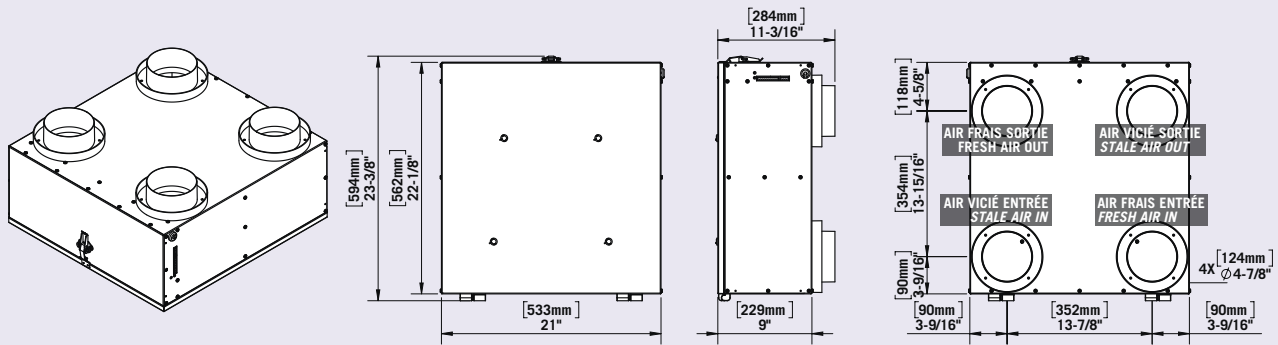
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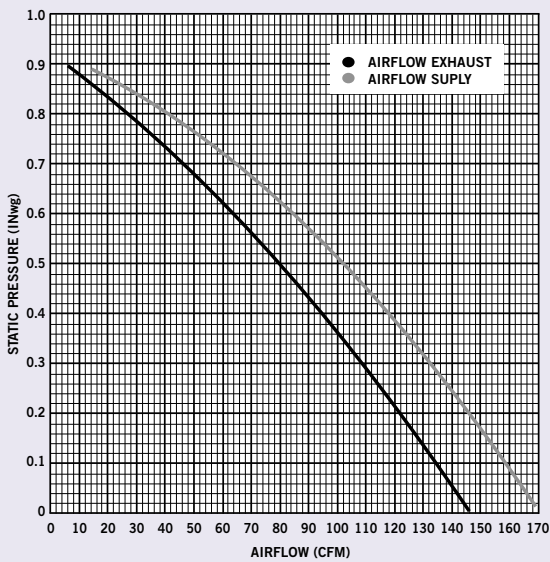
### SIDE PORT MODEL



### TOP PORT MODEL



ERV S15 - STATIC PRESSURE VS AIRFLOW



### CORE ENERGY PERFORMANCE

SUPPLY TEMPERATURE		AIRFLOW		POWER	SENSIBLE RECOVERY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY / MOISTURE TRANSFER
°C	°F	CFM	M <sup>3</sup> /H	W	%	%	%
<b>HEATING</b>							
0	32	50	85	44	72	73	55
-15	5	50	85	44	72	72	55
-25	-13	50	85	44	72	72	55
<b>COOLING</b>							
35	95	50	85	44	TOTAL RECOVERY EFFICIENCY (%)		
						61	

