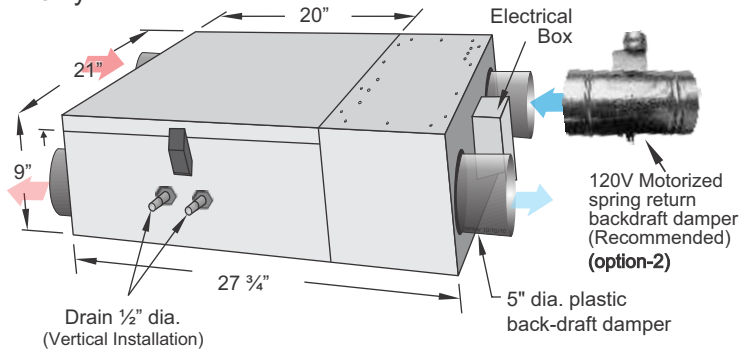




Features

- Over all size 27 3/4" (W) x 21" (D) x 9" (H)
- Power ratings: 115V / 1 / 60 Hz, 0.7 Amp, Standby current is 7W only
- Washable Enthalpy core and Filters
- High efficiency energy saving permanently lubricated ECM motors.
- Suitable for horizontal & vertical installation
- Tilted core design for maximum efficiency
- Automatic fan cycled defrost
- Exhaust up to two washrooms
- Two Speed exhaust (High / Low) - up to 150 CFM maximum
- Continuous fresh air supply up to 95 CFM
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Protection: If exhaust fan fails, the outside fresh-air supply will be closed by shutting off supply motor and the relay contact for motorized damper and interlock will be opened. Fan Coil/Furnace low speed will be stopped and at normal operation no air will enter into the system
- In case of power failure, optional motorized spring return damper stops the fresh air intake and prevent core from freezing.
- Weight approximately 52 lbs., 2 years warranty on parts

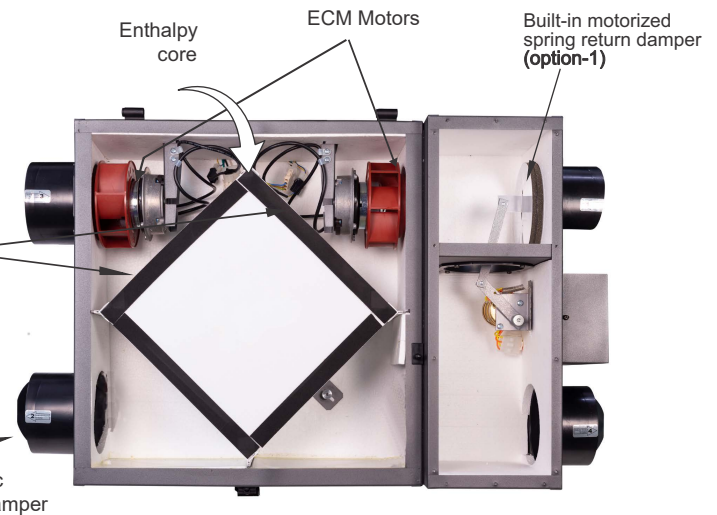


Accessories (Included):

- Mounting brackets

Optional:

- Re-circulating defrost
- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)
- Dehumidistat
- MERV-8 & MERV-13 Filters
- Time Delay Switch, 5VDC (TC100-5V)
- Intermittent Switch, 5VDC (IC100-5V)
- 2 sets (Webbing/Brackets/Ladder lock)

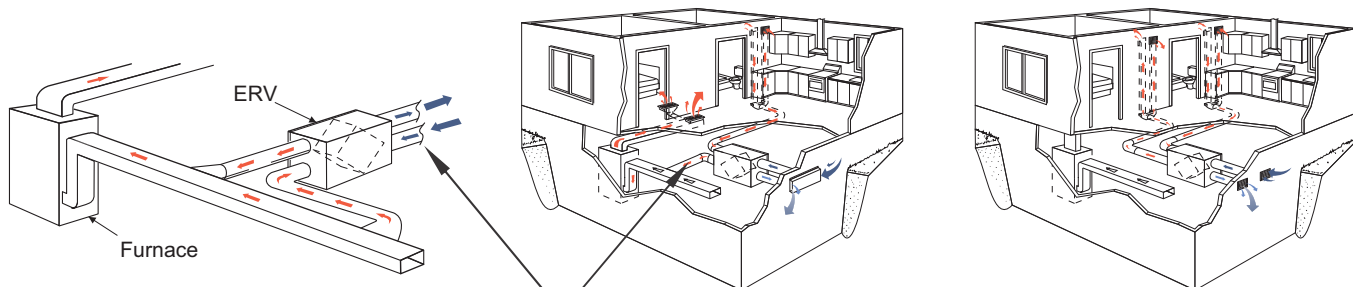


Installation Options for house

Furnace Return Air-duct Connection

Semi Ducted System

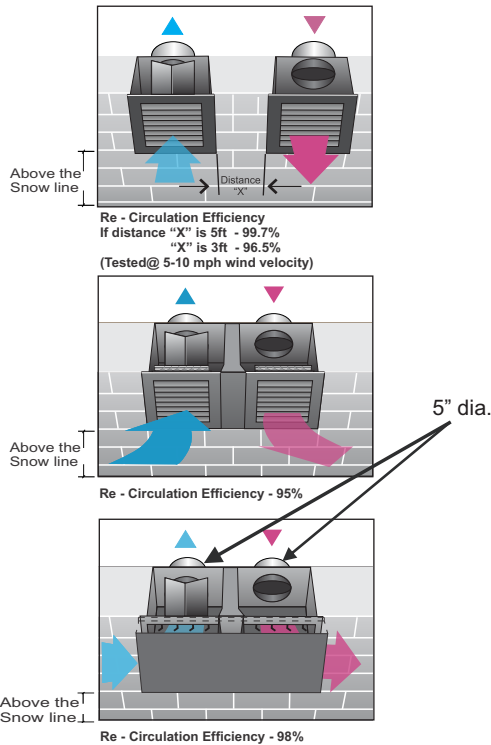
Fully Ducted System



Motorized spring return damper (Highly Recommended)



OPTIONAL WALL BOXES

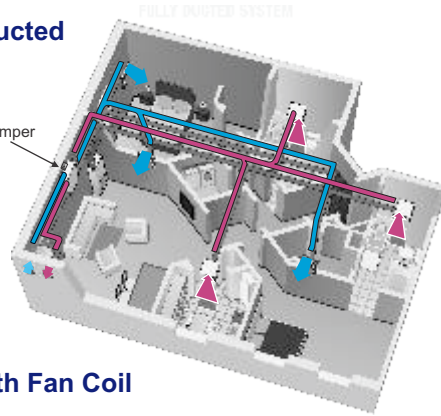


Note: All Vents must be installed min. 5 ft away from sidewalls.
For Safety and optimum performance always use Reversomatic accessories.

Installation Options for High-Rise Condominium

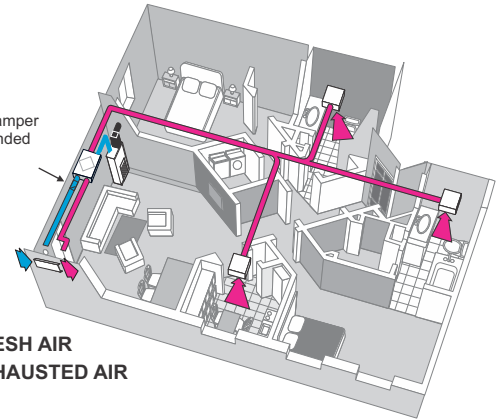
Fully Ducted System

Motorized spring return backdraft damper (Recommended)



ERV with Fan Coil System

Motorized spring return backdraft damper (Highly Recommended due to chimney or stack effect)



FRESH AIR
EXHAUSTED AIR

Note:

- ERV does not required any drain. However, we recommend to connect ERV to drain in areas where extreme cold weather conditions are expected.

SOUND(@ 5ft. away):

30 (L/s) @ 0.2 (IN. W.G.)	1.0 sonos (@ 50 Pa)
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VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation)	High Speed Exhaust (Activated by switch)	Maximum Power Rating 120V / 1 / 60Hz
RERV-S100ECM (Single Washroom)	20 ~ 55 CFM variable	70 ~ 110CFM variable	0.70 Amp.
RERV-S100ECM (Two Washrooms)	30 ~ 95 CFM variable	100 ~ 145 CFM variable	0.70 Amp.

* Normal / High Speed and air balancing can be achieved by adjusting speed controller knob located on the main control board of the HRV/ERV.

ENERGY PERFORMANCE

RERV-S100ECM	Supply Temperature		Net Airflow		Supply / Exhaust Flow Ratio	Average Power (Watts)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	
	°C	°F	L/S	CFM						
Heating	i	0	32	24	50	1.02	28	76	87	49 %
	ii	0	32	30	64	0.99	32	75	84	44 %
	iii	0	32	40	85	1.00	44	74	82	40 %
Cooling	iv	35	95	30	64	1.00	36	47**	79	37 %

** Indicates total recovery efficiency

Contractor:		RERV-S100ECM		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	22/06/16		

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