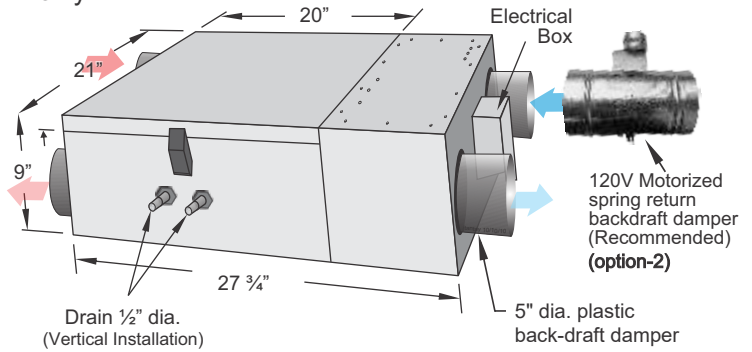




**Features**

- 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 Polypropylene 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

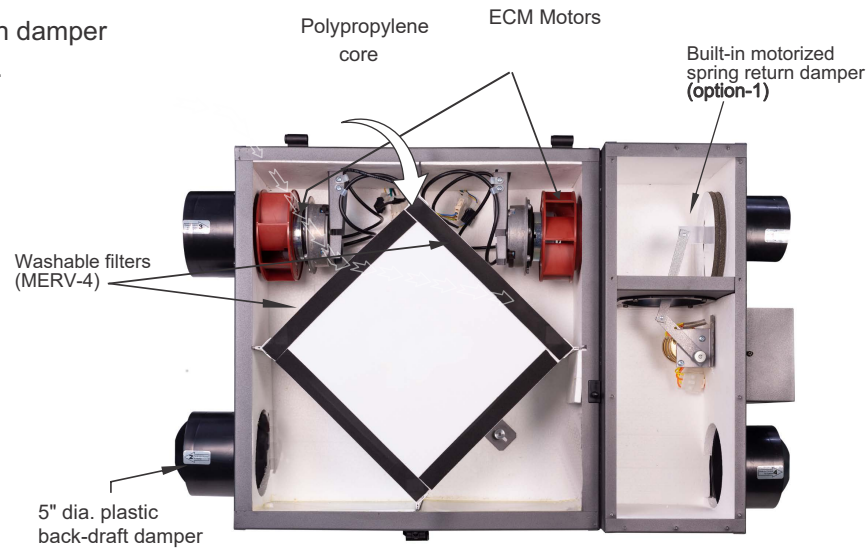


**Accessories (Included):**

- Mounting brackets and Drain kit

**Optional:**

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

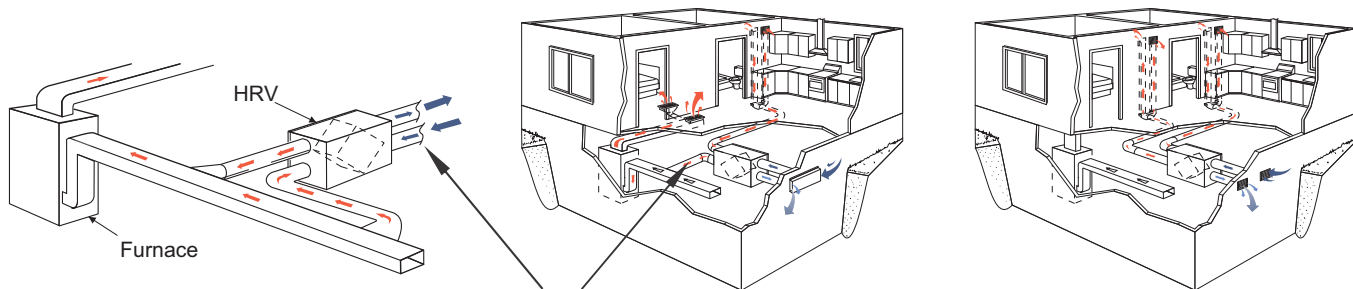


**Installation Options for house**

Furnace Return Air-duct Connection

Semi Ducted System

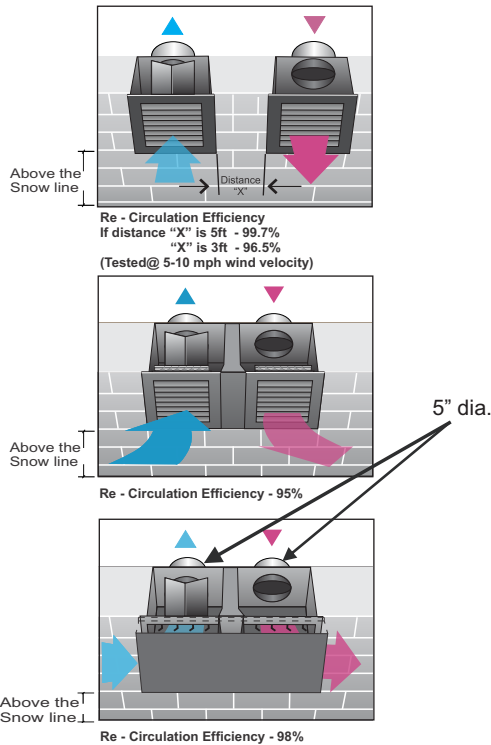
Fully Ducted System



Motorized spring return damper (Highly Recommended)



## OPTIONAL WALL BOXES

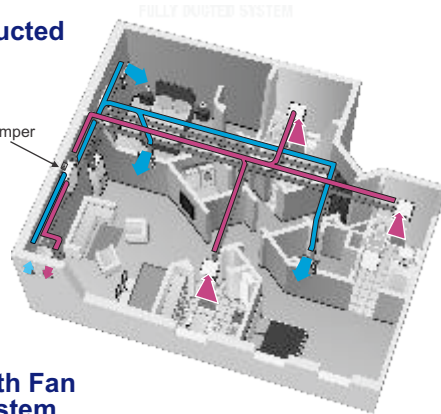


**Note:** All Vents must be installed min. 5 ft away from sidewalls.  
 For Safety and optimum performance always use Reversomatic accessories.

## Installation Options for High-Rise Condominium

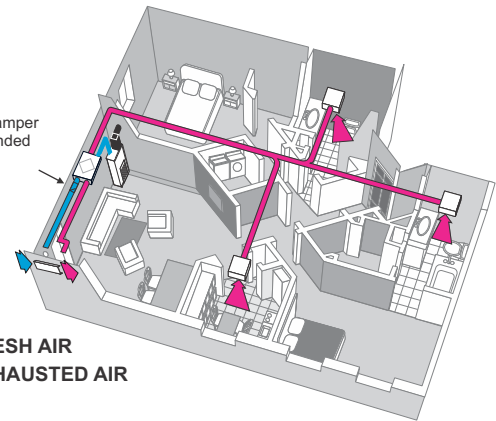
### Fully Ducted System

Motorized spring return backdraft damper (Recommended)



### HRV with Fan Coil System

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



**FRESH AIR**  
**EXHAUSTED AIR**

**Note:**

- HRV must be connected to drain.

### SOUND(@ 5ft. away):

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

## VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation)	High Speed Exhaust (Activated by switch)	Maximum Power Rating 120V / 1 / 60Hz
<b>RHRV-S100PECM</b> (Single Washroom)	20 ~ 55 CFM variable	70 ~ 110CFM variable	0.70 Amp.
<b>RHRV-S100PECM</b> (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

RHRV-S100PECM	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	22	47	1.02	26	82	91	0 %
	ii	0	32	30	64	1.00	36	79	86	0 %
	iii	0	32	36	77	1.01	40	78	85	0 %
	iv	0	32	44	93	1.00	52	75	81	0 %

\*\* Indicates total recovery efficiency

Contractor:		<b>RHRV-S100PECM</b>		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	22/06/16		

**Reversomatic Manufacturing Ltd.**

790 Rowntree Dairy Road, Woodbridge, ON Canada L4L 5V3 • Tel: 905-851-6701 • Fax: 905-851-8376  
 www.reversomatic.com • info@reversomatic.com