

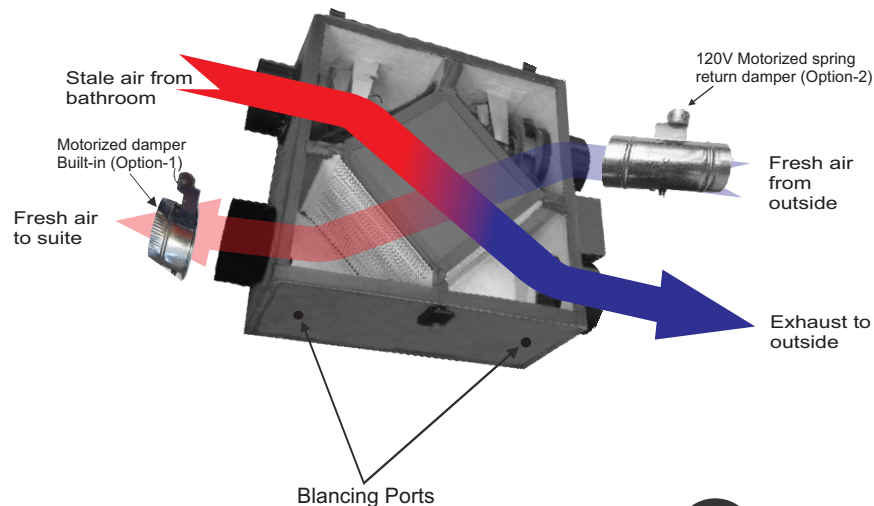
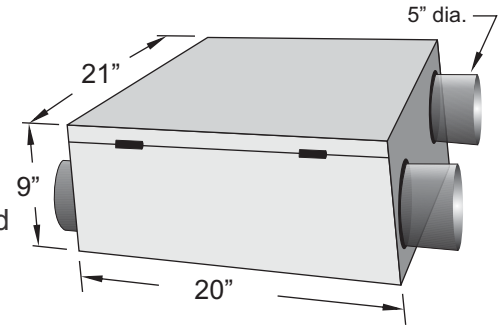


Shop Drawing RERV-C100 ECM

ERV Compact Unit
(Enthalpy Core)

Features

- Over all size 20" (W) x 21" (D) x 9" (H), App. weight 32 lbs.
- Power ratings: 115V/1/60 Hz, 0.60 Amp.
- Washable Enthalpy Core
- High efficiency energy saving permanently lubricated variable speed ECM motors for air balancing
- 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
- Automatic non-recirculating defrost
- washable filters
- Tilted core design
- continuous fresh air supply up to 80 CFM
- Ideal for horizontal and vertical installation
- 4 mounting brackets and 2 drain plugs are included
- Exhaust up to two washrooms

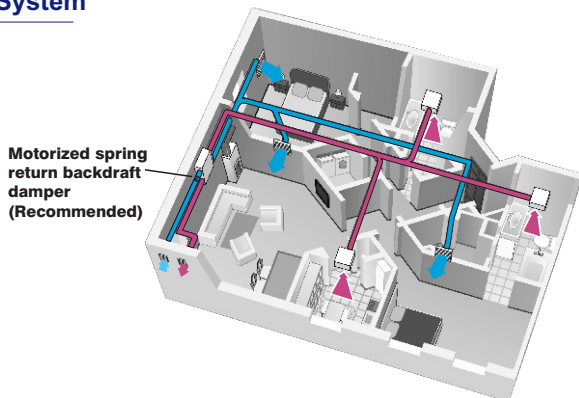


OPTIONAL ACCESSORIES:

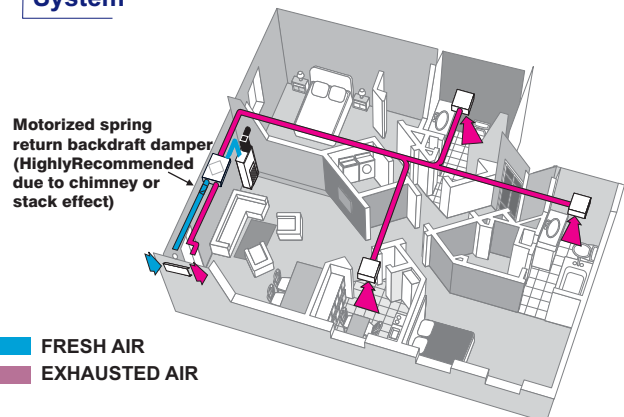
- Push button Timer Switches (5VDC)
- Time Delay Switch (120VAC)
- Intermittent Switch (5VDC) (See on Back side)
- Dehumidistat
- Motorized spring return damper (Option 1 or 2)
- Adjustable mounting straps or chain mounting system



Fully Ducted System



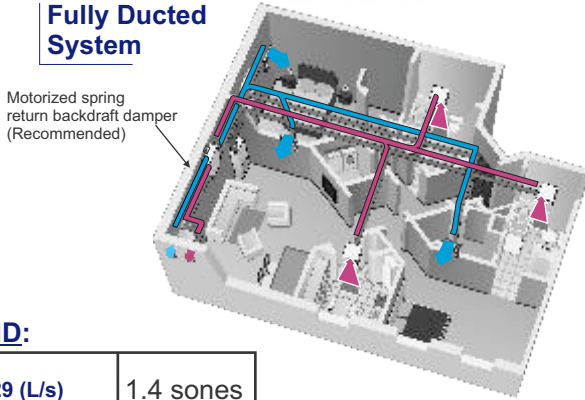
HRV with Fan Coil System



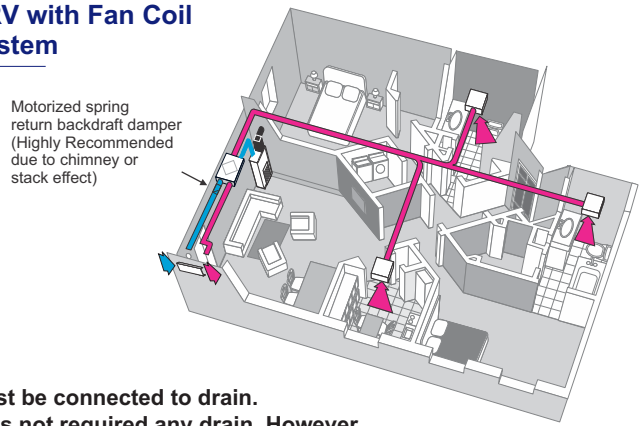
■ FRESH AIR
■ EXHAUSTED AIR

Installation Options for High-Rise Condominium

Fully Ducted System



HRV with Fan Coil System



SOUND:

29 (L/s) @ 0.2 (IN. W.G.)	1.4 sones (@ 50 Pa)
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Note:

- HRV must be connected to drain.
- ERV does not require any drain. However, we recommend to connect ERV to drain in areas where extreme cold weather conditions are expected.

■ FRESH AIR
■ EXHAUSTED AIR

VENTILATION PERFORMANCE

Model #	Normal Speed Supply/Exhaust (Constant Ventilation) @ 50 Pa	High Speed Exhaust (Activated by switch) @ 50 Pa	Maximum Power Rating 120V / 1 / 60Hz
RERV-C100 ECM	20 ~ 80 CFM variable	70 ~ 115 CFM variable	0.70 Amp.

* Normal / High Speed and air-flow balancing can be achieved by adjusting speed controller knob located on the main controller.

ENERGY PERFORMANCE

REVR-C100 ECM		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	30	64	0.99	20	72	84	41 %
	ii	0	32	36	77	1.00	25	70	79	39 %
	iii	0	32	42	89	1.02	28	69	78	35 %
	iv	-25	-13	21	45	0.99*	21	64	78	36 %
Cooling	v	35	95	22	46	0.99	16	53**	73	53 %
	vi	35	95	30	64	1.00	20	50**	71	50 %

* The Supply / Exhaust Flow Ratio at 22°C to the start of the 72 Hour Cold Weather Test

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

ACCESSORIES

Double Vent with Extruded Aluminum Grilles
Exhaust and Intake (DVG-200)
Optional: Stamped Aluminum Grilles

DVV-100C - Double Vent
w/ Vertical Exhaust / Intake hood
(Only for Compact unit)

Double Vent with Side Exhaust / Intake (DVS-100)

Double Vent for window panel Exhaust and Intake (DV-200)

Access Doors
FLAT - ADF 26

PROJECT - ADP 24

DETACHABLE - ADD 24

Single Vent with Extruded Aluminum Grille (RSVG100)
Optional: Stamped Grille

Single Vent with Standard Stamped Aluminum Grille (RSVG200)
Optional: Extruded Aluminum Grille

Motorized Damper
5 inch diameter spring return round damper
NSPRD024-5 (24V DC) & SPRD110-5 (110V AC)

Electronic Timer Switch (5V DC)
Activates the unit on high speed for 20, 40, 60 minutes. Suitable for Deluxe, Superior & Compact Units. (TC100)

Intermittent Switch (IC 100-5V)
Low/High/Intermittent/Off mode. In Intermittent mode, HRV/ERV runs for 20 min. in low speed & 40min. OFF. and cycles Continuously.

Dehumidistat (RH100)
Wall-mount unit allows to control indoor humidity level. Suitable for Superior Series & Compact Units. (RH100)

Wall Cap
Exhaust / Intake WCE-5*, WCI-5*

Contractor:		RERV-C100 ECM		
Architect:	Job:	Date	Superse.des	Drawing No.
Engineer:	Date Submitted:	11/15/2016		

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