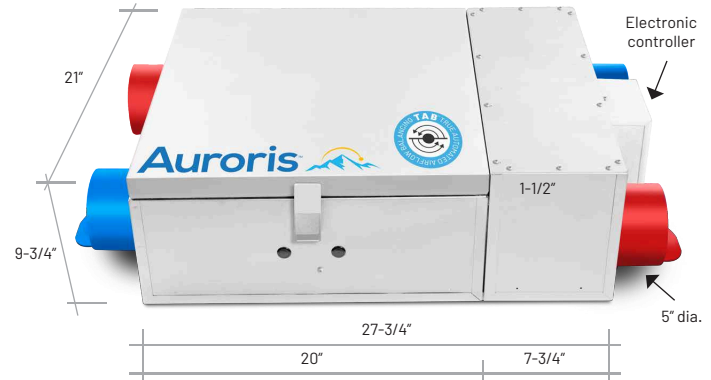


Features

- Automatic Airflow Balancing
- Highly Energy Efficient, permanently lubricated, ECM Motors
- Tilted core design for maximum efficiency
- Constructed using UL certified sound insulation. The Quietest in its class.
- Military Grade Specification: constructed using heavy gauge steel, welded joints, individually powder coated
- Adjustable Speeds Air flow: 45 - 95 CFM (Normal Operation), Max. 150 CFM
- Power ratings: 120V / 1 / 60 Hz, 0.70 Amp.
- Adjustable 4-Normal (Low Speed) and 4-High Speed Operation
- Fully Automatic Recirculation Defrost (Below -5°C)
- Unique electronic control board with power failure auto-restore
- Dual Failsafe Protection
- Washable Enthalpy core suitable up to -40°C (Drainless Design)
- Furnace / Fan-coil / Heat Pump Interlock
- Horizontal & Vertical Installation
- Meets All Leed Standards and Building Code Requirements
- SMART IAQ™ Enabled
- 5 Year Limited Warranty



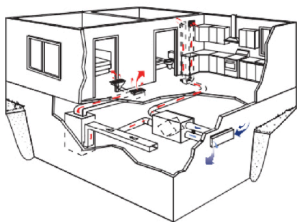
Accessories (Included):

- Webbing Installation Kit or 4 PS Mounting brackets
- Drain Plugs (2 Sets)

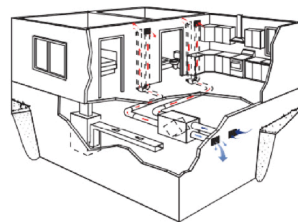
Optional:

- Intermittent Switch (5VDC)
- Smart IAQ™ Controller
- Timer switches 5VDC (Wall mount)
- 2 sets (Webbing/Brackets/Ladder lock)
- Pipe and "T" connector

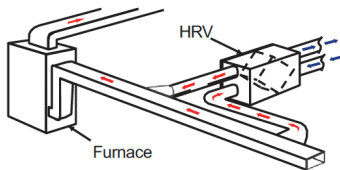
Residential Installation Options:



Fully Ducted System



Semi Ducted System



Furnace Return Air-duct Connection

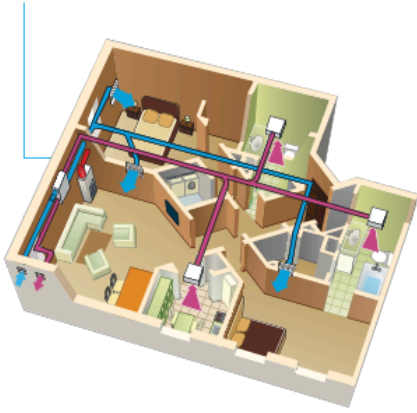
Wall Control:



- Programmable LCD display
- Easy to mount and operate
- Self powered (no battery required)
- OFF/Normal/High/Recirculation/Energy Saving mode
- Humidity and Error indicators
- Two defrost method selection: Recirculating & Non-recirculating
- Humidity settings (up to 80% RH)
- Multiple Wall Controls option



Fully Ducted System



ERV with Fan Coil System



Installation options for Indoor Air Quality/Safety



● FRESH AIR
● EXHAUSTED AIR

SOUND*

30 (L/s) @0.2
(IN. W.G.) S.P.

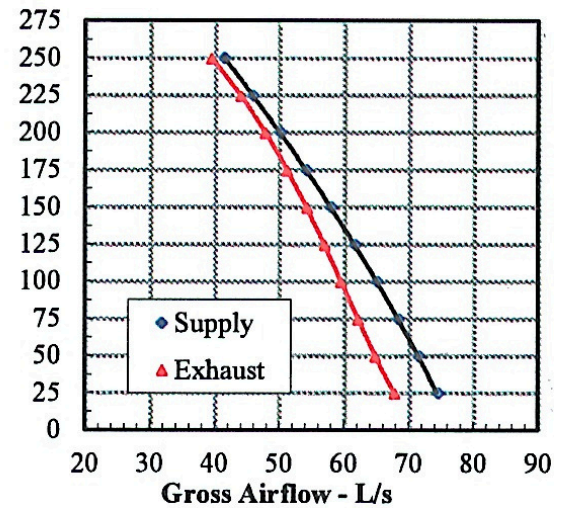
1.0 Sones
(@50Pa)

VENTILATION PERFORMANCE

Exhaust static pressure		Net Supply air flow		Gross Air Flow				Power*
Pa	in. W.C.	L/s	cfm	Supply		Exhaust		
Pa	in. W.C.	L/s	cfm	L/s	cfm	L/s	cfm	Watts
25	0.1	70	149	74	157	67	143	93
50	0.2	67	143	71	151	64	137	93
75	0.3	65	137	68	144	62	131	94
100	0.4	61	131	65	137	59	125	95
125	0.5	58	124	61	130	56	120	94
150	0.6	55	116	57	122	54	114	94
175	0.7	51	108	54	114	51	108	93
200	0.8	47	100	50	106	47	101	92
225	0.9	43	92	45	97	43	92	91
250	1.0	39	83	41	87	39	83	89

NOTE: FAN CURVE PERFORMED ON THE HIGHEST SPEED

Ext. Differential Pressure - Pascals



ENERGY PERFORMANCE

RHRV- D100PECM		Supply Temperature		Net Airflow		Average Power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Net Moisture Transfer
		°C	°F	L/s	CFM				
Heating	I	0	32	22	46	26	82%	86%	0
	iv	-25	-13	29	62	51	73%	75%	0.07

*Sound and Fan Power are not certified by HVI.

