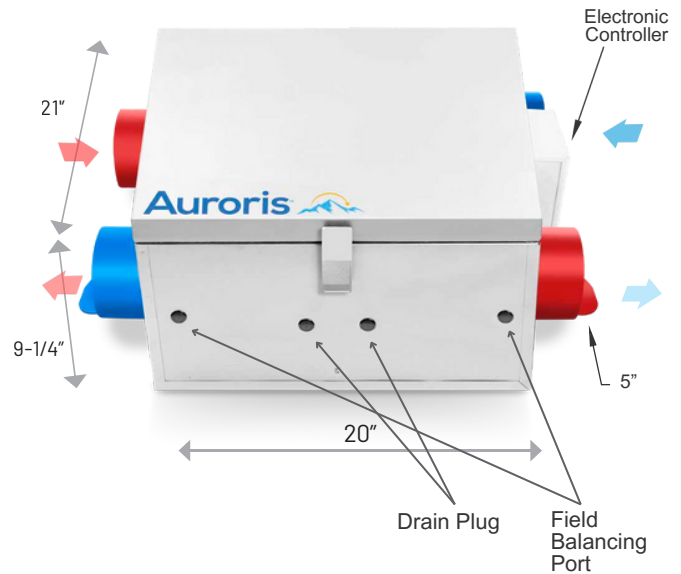


## Features

- High efficiency energy saving permanently lubricated variable speed ECM motors for air balancing.
- 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**
- Continuous fresh air supply up to 150 CFM
- Over all size 20" (W) x 21" (D) x 9 1/4" (H), App. weight 39 lbs
- Power Ratings: 115V/1/60 Hz, 1.5 Amp., Standby 7 W
- Automatic non-recirculating defrost (fan cycled)
- Exhaust up to two washrooms
- Optional motorized spring return damper in case of power failure
- Washable MERV - 3/4 filters
- 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.
- Horizontal & Vertical Installation
- Ideal for horizontal and vertical installation
- **Meets All LEED Standards and Building Code Requirements**
- **SMART IAQ™ Enabled**
- **5 Year Limited Warranty**



### Accessories (Included):

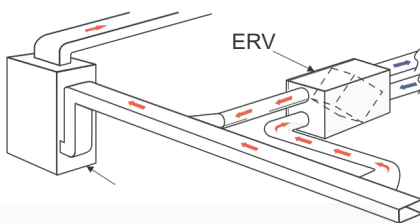
- Webbing Installation Kit or 4 PS Mounting brackets

### Optional:

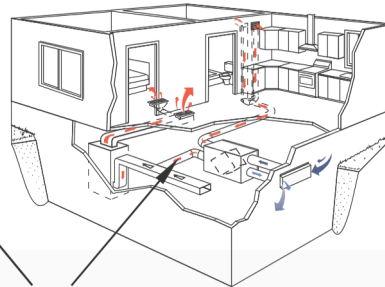
- Intermittent Switch, 5VDC
- Smart IAQ™ Controller
- Time Delay Switch (5VDC or 120VAC)
- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)

## Residential Installation Options:

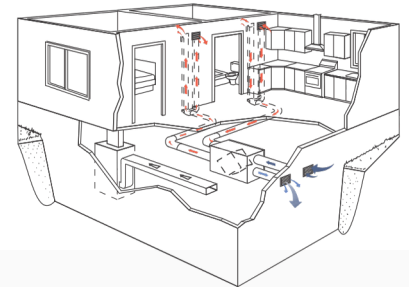
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



**Motorized spring return damper  
(Highly Recommended)**



# SOLAS™ ERV by



# Model: ESCX-100 Specifications

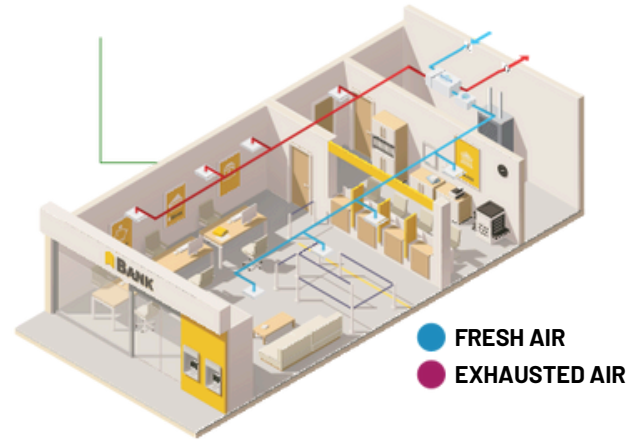
## Fully Ducted System



## ERV with Fan Coil System

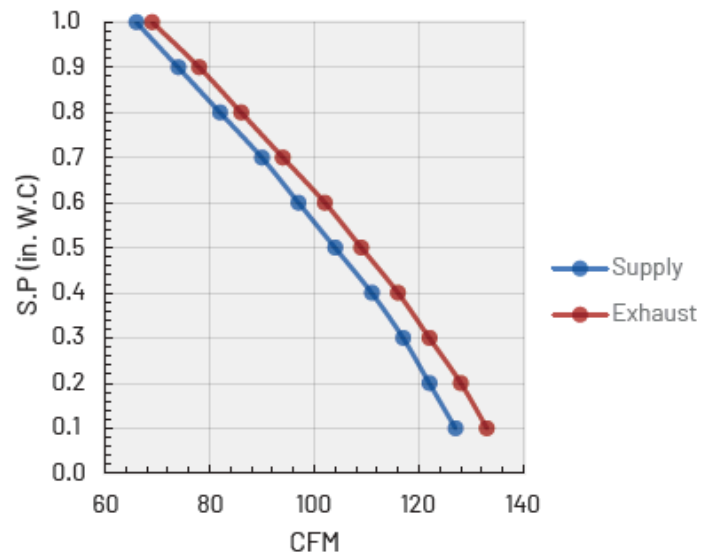


## Installation options for Indoor Air Quality/Safety



## Ventilation Performance

Exhaust static pressure		Net Supply air flow		Gross Air Flow				Power
Pa	in. W.C.	L/s	scfm	Supply		Exhaust		
		L/s	scfm	L/s	scfm	L/s	scfm	Watts
25	0.1	60	127	63	133	64	137	86
50	0.2	58	122	60	128	62	131	87
75	0.3	55	117	58	122	59	125	87
100	0.4	52	111	55	116	56	119	87
125	0.5	49	104	51	109	53	112	87
150	0.6	46	97	48	102	50	105	86
175	0.7	43	90	45	94	46	98	85
200	0.8	39	82	41	86	42	89	83
225	0.9	35	74	37	78	38	81	83
250	1.0	31	66	32	69	33	71	81



## Energy Performance

ECSX-130	Supply Temperature		Net Airflow		Supply/Exhaust Flow Ratio	Average power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Efficiency	Apparent Sensible effectiveness	Net Moisture Transfer (%)	
	°C	°F	L/s	scfm							
Heating	I	0	32	30.0	63.5	1.02	32	76	79	83	49
	II	0	32	38.0	80.5	1.00	42	76	79	82	46
	III	0	32	48.0	101.7	1.00	58	75	79	81	42
Cooling	IV	35	95	30.0	63.5	0.98	32	52*	70	76	45
	V	35	95	38.0	80.5	0.99	46	49*	70	75	42

\* Indicates Total Recovery Efficiency not Sensible Recovery Efficiency

