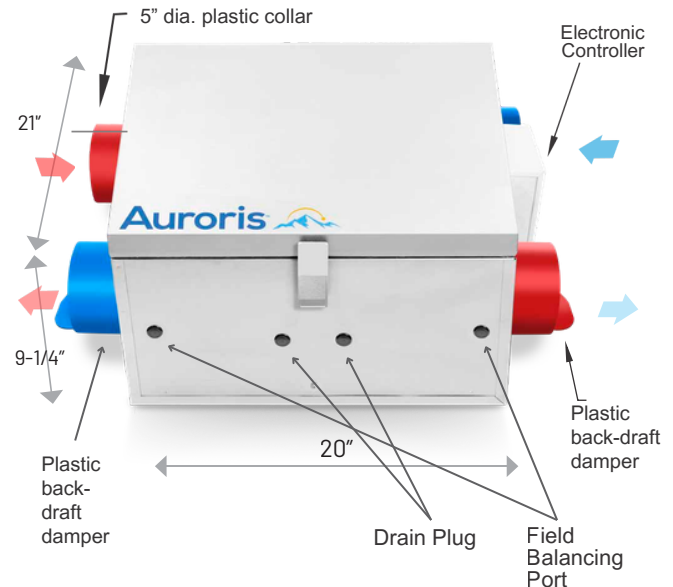


# Features

- Over all size 20" (W) x 21" (D) x 9 1/4" (H), App. weight 39 lbs
- 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**
- Power Ratings: 115V/1/60 Hz, .1.5 Amp., Standby 2 W
- Automatic fan cycled defrost
- Exhaust up to two washrooms
- Two Speed exhaust (High/Low) - up to 150 CFM maximum
- 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
- **Meets All LEED Standards and Building Code Requirements**
- **SMART IAQ™ Enabled**
- **5 Year Limited Warranty**



### Accessories (Included):

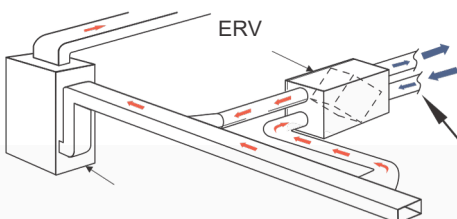
- Webbing Installation Kit or 4 PS Mounting brackets

### Optional:

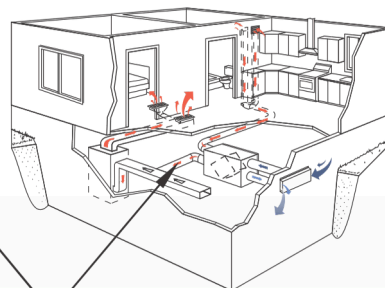
- Intermittent Switch, 5VDC
- Smart IAQ™ Controller
- Time Delay Switch (5VDC or 120VAC)
- Built-in Motorized Spring Return Damper (option-1)
- Motorized Spring Return Backdraft Damper (option-2)
- Dehumidistat

## Residential Installation Options:

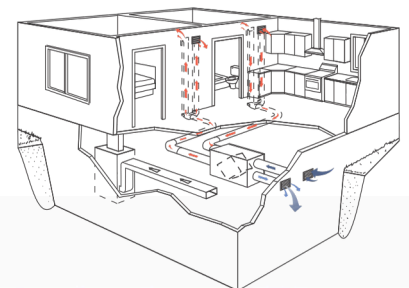
Furnace Return Air-duct Connection



Semi Ducted System



Fully Ducted System



Motorized spring return damper  
(Highly Recommended)



# SOLAS™ H SERIES ERV by



# Model: HSCX-100 Specifications

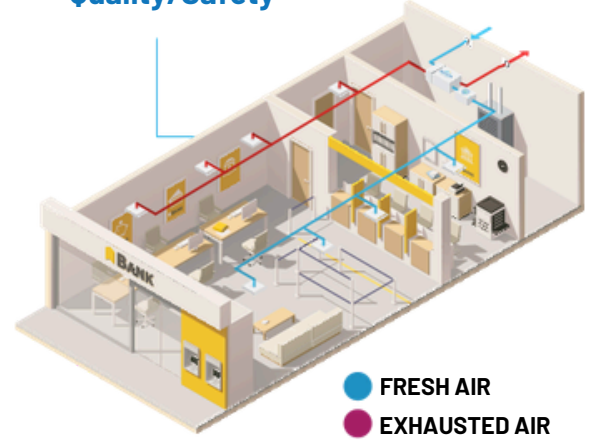
## Fully Ducted System



## HRV with Fan Coil System



## Installation options for Indoor Air Quality/Safety



- FRESH AIR
- EXHAUSTED AIR

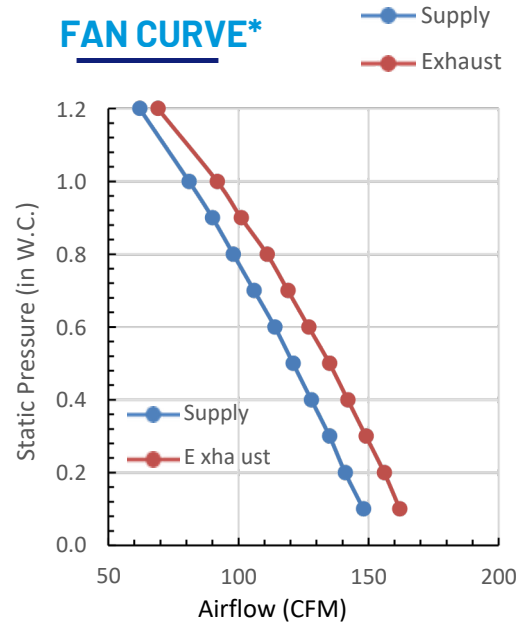
## SOUND:\*

50 (L/s) @ 0.2 (IN. W.G.) S.P.	0 sones (@ 50 Pa)
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## VENTILATION PERFORMANCE

Exhaust static pressure		Net Supply air flow		Gross Air Flow				Power*
Pa	in. W.C.	L/s	cfm	Supply		Exhaust		
25	0.1	69	147	69	148	76	162	90
50	0.2	66	141	67	141	73	156	91
75	0.3	63	135	63	135	70	149	91
100	0.4	60	128	60	128	67	142	91
125	0.5	57	121	57	121	63	135	91
150	0.6	53	114	54	114	60	127	90
175	0.7	50	106	50	106	56	119	89
200	0.8	46	98	46	98	52	111	88
225	0.9	42	90	42	90	48	101	86
250	1.0	38	81	38	81	43	91	84
300	1.2	29	62	29	62	32	69	77

## FAN CURVE\*



## ENERGY PERFORMANCE

HSCX-100		Supply Temperature		Net Airflow		Average power (Watts)	Sensible Recovery Efficiency	Adjusted Sensible Efficiency	Net Moisture Transfer(%)
		°C	°F	L/s	Scfm				
Heating	I	0	32	30	65	36	85	89	0
	II	0	32	41	87	46	82	86	0
	III	0	32	54	115	71	78	82	0
	IV	-25	-13	30	65	34	60	61	0

