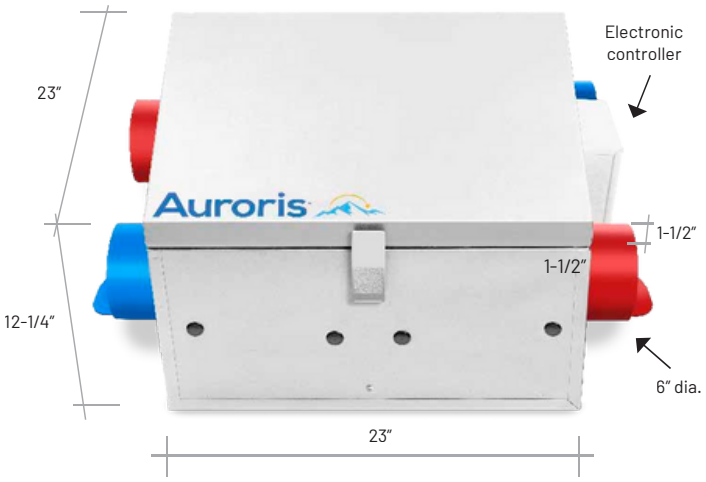
# SOLAS™ ERV by Auroris Inc. Pristine Air Solutions

# Model: **ESH-200** Specifications

## Features

- **Washable high efficiency Enthalpy core suitable for -25°C**
- **Tilted core design for maximum efficiency**
- **High efficiency energy saving permanently lubricated variable speed ECM motors for air balancing**
- **Constructed using UL certified sound insulation.**
- **The Quietest in its class**
- **Military Grade Specification: constructed using heavy gauge steel, welded joints, individually powder coated**
- Over all size 23" (W) x 23" (D) x 12.25 " (H)
  Weight approximately 52 lbs.
- Power ratings: 115V / 1 / 60 Hz, 2.5 Amp., Standby current is 7W only
- Washable MERV - 3/4 filters
- Automatic fan cycled defrost
- Suitable for horizontal & vertical installation
- Exhaust up to four washrooms, Suitable for Corridor
- Two Speed exhaust (High / Low) - up to 250 CFM maximum
- Continuous fresh air supply at Normal speed up to 150 CFM
- Furnace / Fan-coil / Heat Pump Interlock
- Dual Power Failure / Freeze Protection
- Weight approximately 52 lbs.
- **Meets All LEED Standards and Building Code Requirements**
- **SMART IAQ™ Enabled**
- **5 Year Limited Warranty**



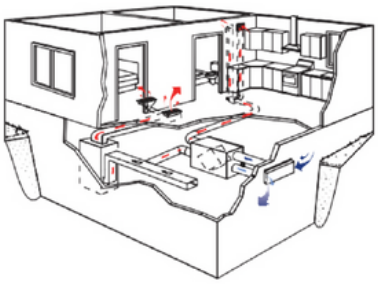

### Accessories (Included):

- Webbing Installation Kit or 4 PS Mounting brackets

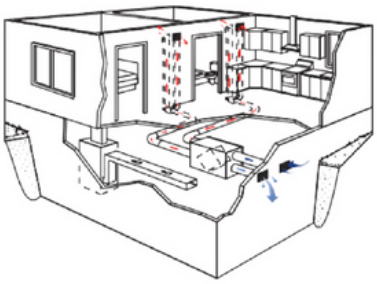
### Optional:

- Intermittent Switch, 5VDC (IC100-5V)
- Smart IAQ™ Controller
- Push button timer switch (20/40/60 Min., 5VDC)
- Motorized Damper (120V AC), option 1 & 2

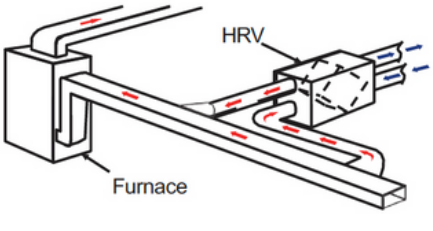
## Residential Installation Options:



Fully Ducted System



Semi Ducted System




Furnace Return Air-duct Connection

auroris.org |888.863.1562 | info@auroris.org

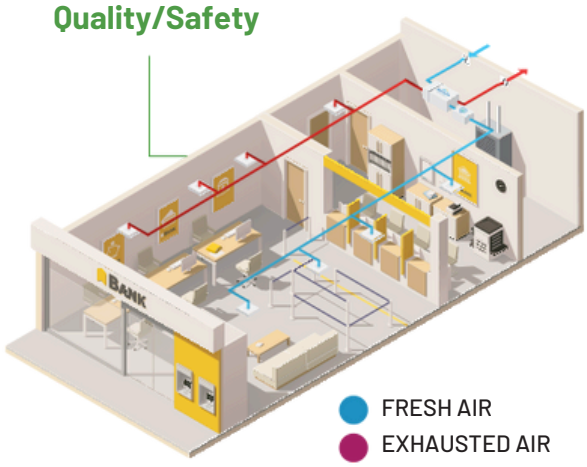
# SOLAS™ ERV by Auroris Inc. Pristine Air Solutions

# Model: **ESH-200** Specifications

### Fully Ducted System

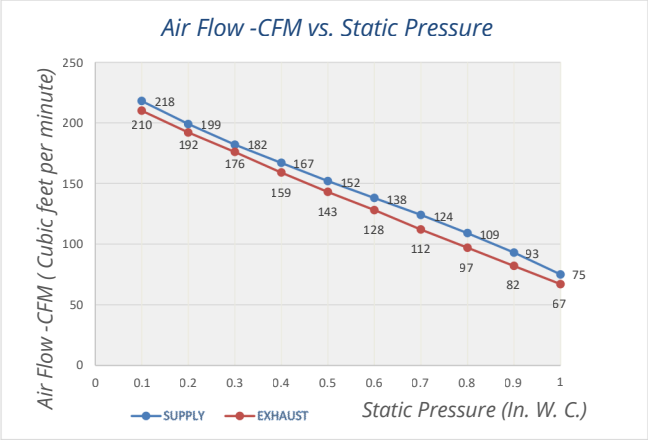
### ERV with Fan Coil System

### Installation options for Indoor Air Quality/Safety




## SOUND(@ 5ft. away):

| | |
|---|---|
| 30 (L/s) @ 0.2 (IN. W.G.) | 1.5 sones (@ 50 Pa) |
| 85 (L/s) @ 0.2 (IN. W.G.) | 3.0 sones (@ 50 Pa) |




## VENTILATION PERFORMANCE

| Model # | Normal Speed Supply/Exhaust (Constant Ventilation) | High Speed Exhaust (Activated by switch) | Maximum Power Rating 120V / 1 / 60Hz |
|---|---|---|---|
| ESH-200 | 50 ~ 150 CFM variable | 50 ~ 250 CFM variable | 2.5 Amp. |

| ESH-200 | | Supply Temperature | | Net Airflow | | Supply / Exhaust Flow Ratio | Average Power (Watts) | Sensible Revcovery Efficiency | Apparent Sensible Effectiveness | Net Moisture Transfer |
|---|---|---|---|---|---|---|---|---|---|---|
| | | °C | °F | L/S | CFM | | | | | |
| Heating | I | 0 | 32 | 31 | 65 | 1.04 | 75 | 75 | 89 | 57 % |
| | ii | 0 | 32 | 69 | 146 | 1.05 | 125 | 71 | 82 | 48 % |
| | iii | 0 | 32 | 85 | 180 | 0.97 | 148 | 68 | 78 | 45 % |
| | iv | | | | | | | | | |
| Cooling | vi | 35 | 95 | 31 | 65 | 1.00 | 75 | 56** | 76 | 56 % |
| | vii | 35 | 95 | 50 | 107 | 0.97 | 101 | 51** | 75 | 47 % |

** Indicate Total Recovery Efficiency not Sensible Recovery Efficiency

C US

Smart iAQ Indoor Air Quality Excellence Compliant

auroris.org |888.863.1562 | info@auroris.org