# SUBMITTAL DATA SHEET

## Energy Recovery Ventilation

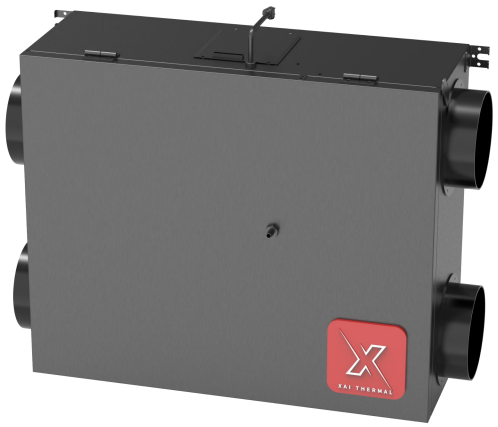
## Model Number: XEC-136AB-BU

Location: _____
Engineer: _____
Submitted to: _____
Submitted by: _____
Reference: _____

Approval: _____
Date: _____
Construction: _____
Unit #: _____
Drawing #: _____

C US

2100 HVI CERTIFIED

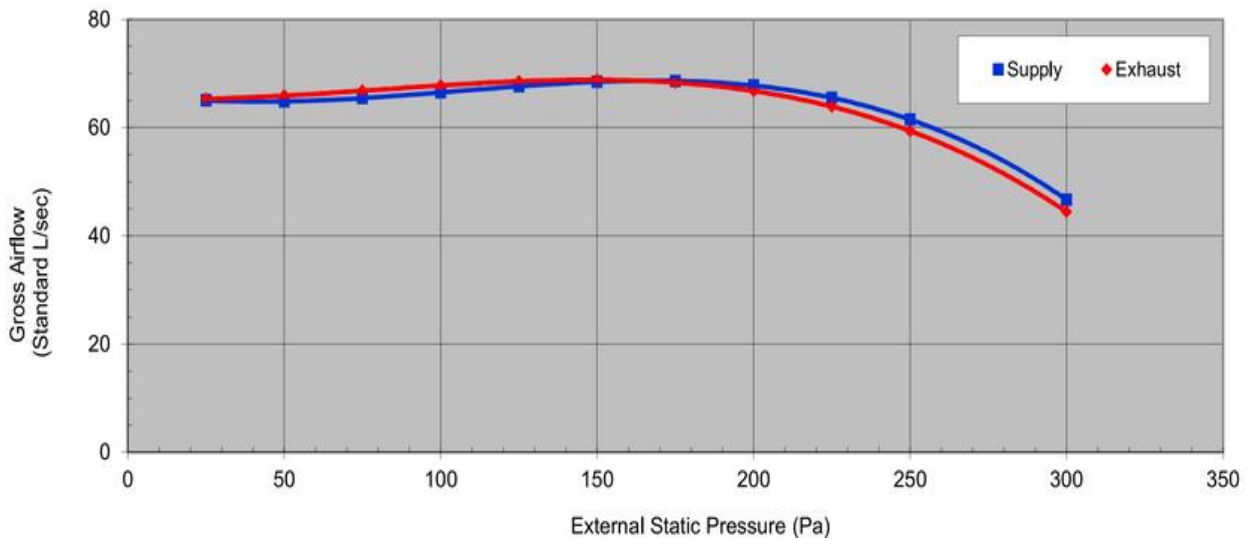


| Product Details | | |
|---|---|---|
| Power Supply | V/Ph/Hz | 120/1/60 |
| Connection Duct Diameter | in | 6 |
| Max. Circuit Amps(MCA) | A | 1.6 |
| Max.Overcurrent Protection(MOP) | A | 15 |
| Max input power | W | 180 |
| Dimensions(HxWxD) | in | 9-11/16 x 25-13/16 x 21-1/2 |
| | mm | 246 x 656 x 547 |
| Net weight | Lbs | 43 |
| | kg | 19.5 |
| Ext Static Pressure (HH/H/L) | in W.G | 0.4/0.2/0.1 |
| Airflow Rate (HH/H/L) | CFM | 136/100/64 |
| Sound Pressure | dBA | 36/33/24 |
| Power Supply Connections | | L, N, Ground |
| Condensate Pipe Connection | | NA |
| Operating range outdoor temperature(℉ DB) | | -18℉ ~ 109℉ |
| Filter level /type / Qty | | Merv 8 / Washable / 2 |
| ERV Core / type | | Cross Flow / Non washable |
| Motor/Drive | | Brushless Digitally controller/Direct |

# Fan Efficacy

| ExternalStatic Pressure | | Net Supply Airflow | Net Supply Airflow | Gross Supply Airflow | Gross Supply Airflow | Gross Exhaust Airflow | Gross Exhaust Airflow | Power |
|---|---|---|---|---|---|---|---|---|
| Pa | in.w.g. | Standard L/s | CFM | Standard L/s | CFM | Standard L/s | CFM | Watts |
| 25 | 0.1 | 63 | 133 | 65 | 138 | 65 | 138 | 86 |
| 50 | 0.2 | 63 | 133 | 65 | 137 | 66 | 140 | 95 |
| 75 | 0.3 | 63 | 134 | 65 | 139 | 67 | 142 | 106 |
| 100 | 0.4 | 64 | 136 | 67 | 141 | 68 | 144 | 116 |
| 125 | 0.5 | 66 | 139 | 68 | 143 | 69 | 145 | 126 |
| 150 | 0.6 | 66 | 140 | 68 | 145 | 69 | 146 | 137 |
| 175 | 0.7 | 66 | 141 | 69 | 145 | 68 | 145 | 144 |
| 200 | 0.8 | 66 | 139 | 68 | 144 | 67 | 141 | 154 |
| 225 | 0.9 | 63 | 134 | 66 | 139 | 64 | 135 | 151 |
| 250 | 1 | 60 | 126 | 61 | 130 | 59 | 126 | 141 |
| 300 | 1.2 | 45 | 96 | 47 | 99 | 44 | 94 | 119 |

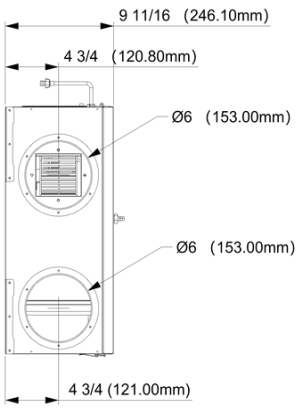
# Fan Cures

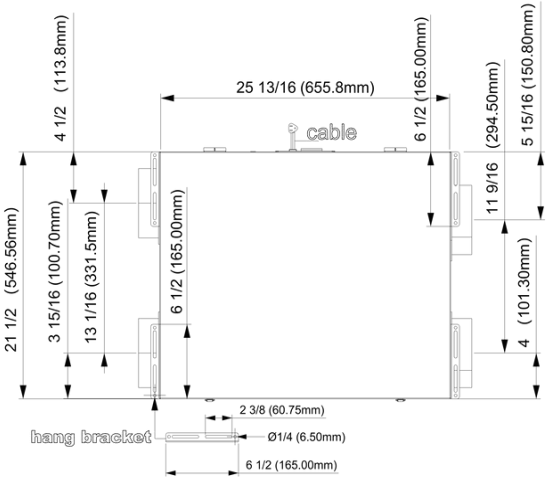


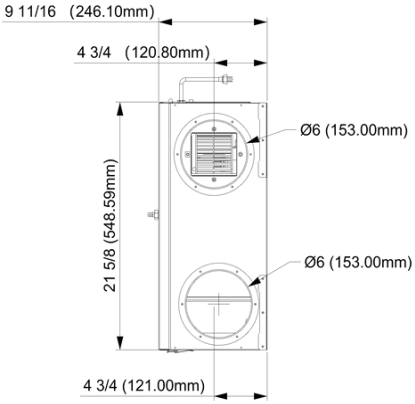

# Energy Performance

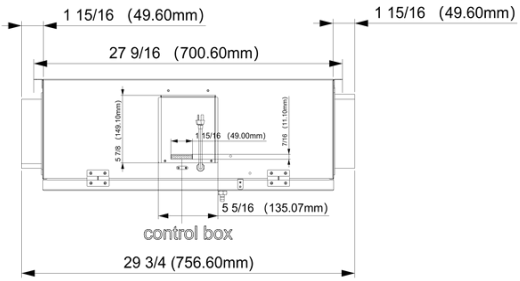
| Heating | Inlet Supply Temperature | | Net Outdoor Airflow | | Average Power (watts)) | Sensible Recovery Efficiency SRE | Adjursted Sensible Recovery Effciency ASRE | Fan Efficacy | |
|---|---|---|---|---|---|---|---|---|---|
| | ℃ | ℉ | L/s | scfm | | | | L/s/W | cfm/W |
| 1 | 0 | 32 | 30.4 | 63 | 30 | 74.30% | 78% | 0.98 | 2.1 |
| 2 | 0 | 32 | 63.9 | 135 | 92 | 61.60% | 66% | 1.5 | 1.46 |
| Cooling | Inlet Supply Temperature | | Net Outdoor Airflow | | Average power (watts) | Total Recovery Efficiency | Adjursted Total Recovery Effciency | Apparent Effectivenss | Net Moisture Transefer |
| | ℃ | ℉ | L/s | scfm | | | | | |
| 1 | 35 | 95 | 26 | 55 | 29 | 62% | 64% | 78% | 60% |

# Dimension Drawing




unit:inch(mm)

# Feature

- **Constant airflow** -The ERV is constant airflow ensures balanced ventilation, preventing energy loss and poor air quality caused by duct resistance, filter clogging or pressure changes.
- **Auto Balancing** - Fastest installation in it's class, reducing setup time by up to 20 minutes per unit, cauce of the innovative auto-balancing and self-adjusting technology.
- **Flexible mounting option**- Including horizontal and wall-mounted configurations, enable seamless integration into a variety of applications.
- **ECM motors** - High-performance ECM motors ensure reliable, energy-efficient operation.
- **Easy mantainess** - The ERV features an easily accessible door for hassle-free maintenance and filter replacement.
- **Three speed airflow** - With a selectable airflow speed range from 64-136CFM, meets the needs of a medium-large size home
- Unit UL1812(safety) , CSA439 (performance) approved