



Submittal Data

Submittal Data Model : ERV-C100 64-100CFM@0.4in. w.g.

Description: Energy Recovery ventilator

Project Name: Marriott Townplace Suites Location: 830 Goldstream Ave, Langford BC Date: July 7, 2025

Purchaser: Engineer:

Submitted to: ERV-1, ERV-4

For:

Review:

Approval:

Eco-Air Energy Recovery Ventilator



Product Features:

- **Constant airflow** - Eco-Air ERV is constant airflow ensures balanced ventilation, preventing energy loss and poor air quality caused by duct resistance, filter dogging or pressure changes.
- **Auto Balancing** - Fastest installation in its class, reducing setup time by up to 20 minutes per unit, thanks to Eco-Air 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 maintenance** - The ERV features an easily accessible door for hassle-free maintenance and filter replacements
- **Three speed airflow** - With a selectable airflow speed range from 64-100CFM
- **5 years product warranty, HVI Certified, UL1812 & CSA439 approved**



Product Dimensions:

Performance Data	
Airflow rate (CFM)	96 / 85 / 65
External Static Pressure (in. w.g)	0.4 / 0.2 / 0.1
Sound Pressure (dBA)	30 / 28 / 24
Outdoor air Temperature Operating range (°F Dry Bulb)	-18 °F ~ 109 °F

Electrical Data	
Power Supply (V/HZ/Ph)	120 / 60 / 1
MCA (A)	1.4
MOP (A)	15
Max Input Power (W)	180
Motor Type	ECM Motor Brushless Digitally controller/Direct
Motor Speeds	3 Speeds with basic control

Product Data	
Dimension (H x W x D)	9-9/16" x 25-9/16" x 20-1/16"
Weight (lbs.)	36
Core type	Cross Flow, Non-Washable
Filter type	2 washable filters, MERV 8

Fan Performance:

Static Pressure (in. w.g)	Supply Airflow (CFM)	Exhaust Airflow (CFM)	Power (Watts)
0.1	96	95	43
0.2	96	95	50
0.3	96	95	57
0.4	97	95	66



Static Pressure (in. w.g)	Supply Airflow (CFM)	Exhaust Airflow (CFM)	Power (Watts)
0.5	97	96	71
0.6	98	96	77
0.7	99	97	83
0.8	99	97	94
0.9	100	98	100
1.0	100	98	107
1.2	102	97	120

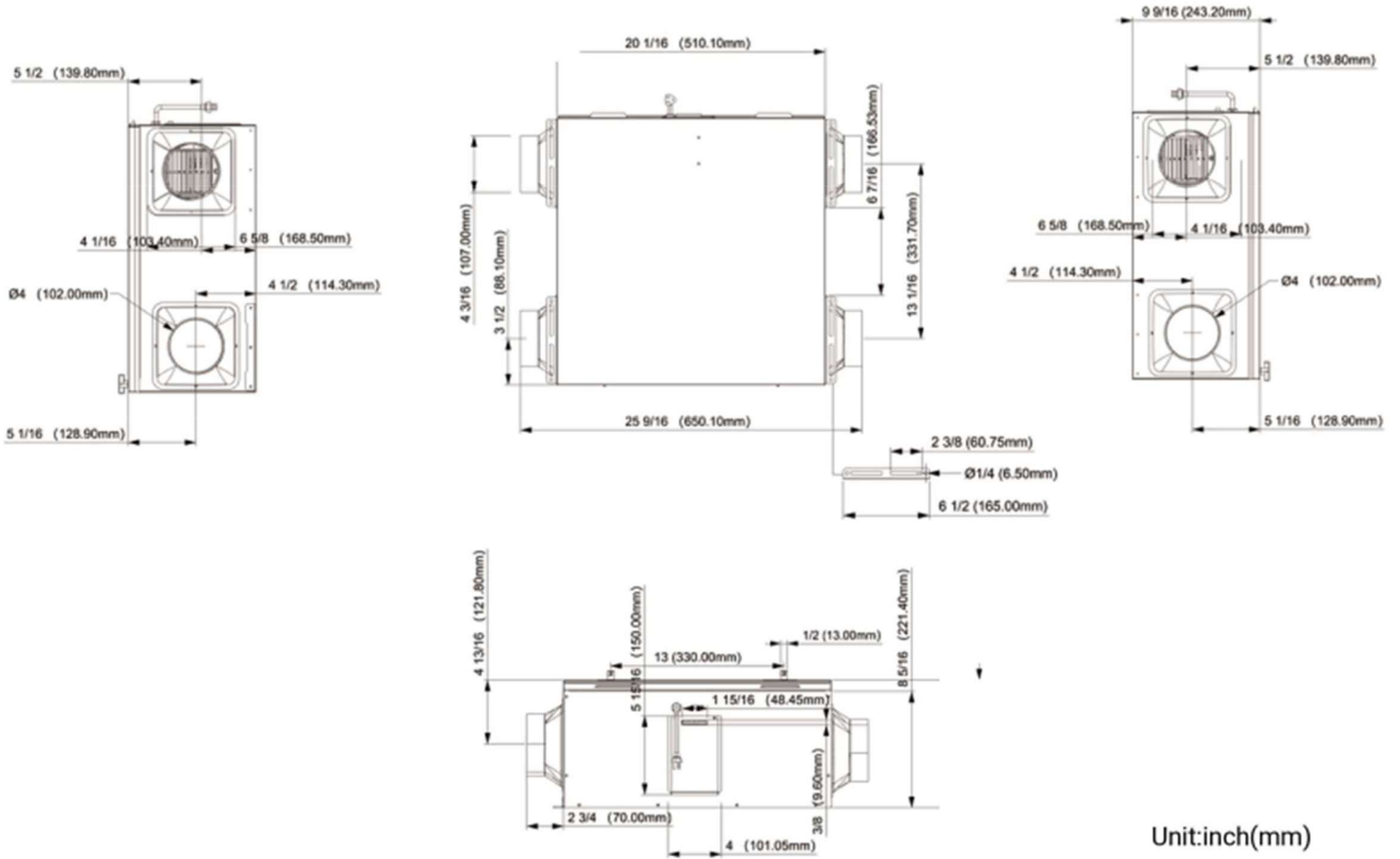
Energy Performance:

Heating	Inlet supply air temperature (°F)	Outdoor airflow (SCFM)	Average Power (Watts)	Sensible Recovery Efficiency SRE	Adjusted Sensible Recovery Efficiency ASRE	Fan Efficiency (cfm/w)
1	32	64	30	77.4%	80.7%	2.1
2	32	92	46	73.6%	77.1%	2
3	-13	43	30	44.3%	45.4%	1.43

Cooling	Inlet supply air temperature (°F)	Outdoor airflow (SCFM)	Average Power (Watts)	Sensible Recovery Efficiency SRE	Adjusted Sensible Recovery Efficiency ASRE	Apparent effectiveness	Net Moisture Transfer
1	95	65	30	63.3%	65.6%	67%	34.8%



Product Dimensions:



Unit:inch(mm)