SUBMITTAL DATA SHEET

Energy Recovery Ventilation

Model Number: XEW-100AB-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	4
Max. Circuit Amps(MCA)	A	1.4
Max.Overcurrent Protection(MOP)	A	15
Max input power	W	180
Dimensions(HxWxD)	in	20-5/8 x 14-7/8 x 16-5/8
	mm	524 x 378 x 422
Net weight	Lbs	44
	kg	19.96
Ext Static Pressure (HH/H/L)	in W.G	0.4/0.2/0.1
Airflow Rate (HH/H/L)	CFM	100/70/54
Sound Pressure	dBA	30/27/23
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

External Static Pressure		Net Supply Airflow		Gross Supply 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	46	98	47	100	51	109	69
50	0.2	47	100	48	102	51	108	77
75	0.3	48	101	49	103	51	109	86
100	0.4	48	102	49	104	52	110	95
125	0.5	49	103	50	105	52	110	102
150	0.6	49	104	50	106	52	111	110
175	0.7	49	104	50	106	52	111	118
200	0.8	49	104	50	106	52	109	125
225	0.9	49	104	50	106	50	106	131
250	1	49	103	50	106	48	102	136
300	1.2	48	101	49	104	40	85	135

Fan Cures

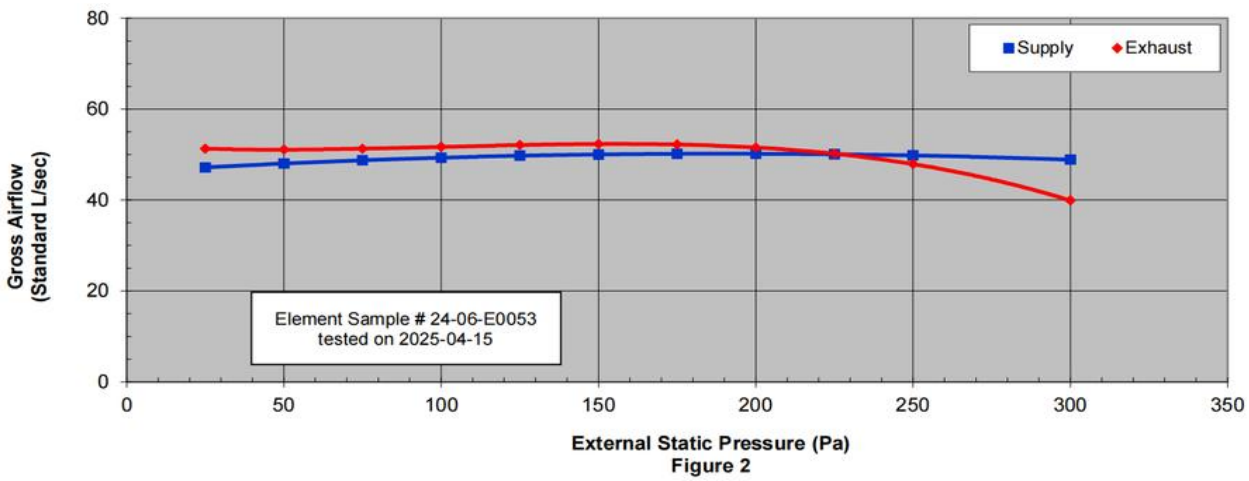
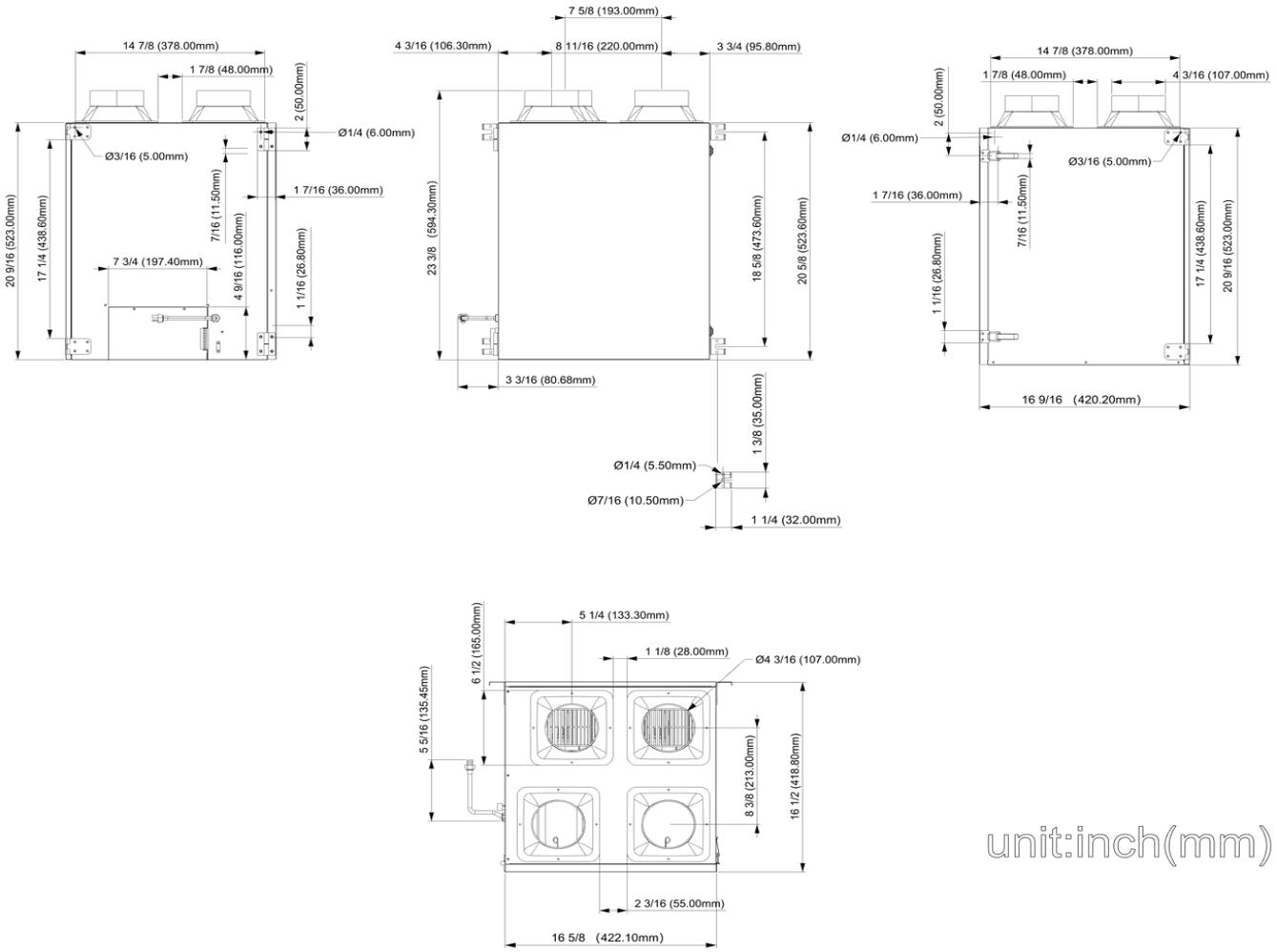


Figure 2

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	64	30	72.70%	76.50%	1	2.1
2	0	32	46.6	99	92	67.70%	72.50%	0.51	1.08
Cooling	Inlet Supply Temperature		Net Outdoor Airflow		Average power (watts)	Sensible Total Efficiency	Adjursted Total Recovery Effciency	Fan efficacy	
	℃	℉	L/s	scfm				L/s/W	cfm/W
1	35	95	26	55	30	60%	64%	0.86	1.8

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 54-100CFM, meets the needs of a medium-large size home
- Unit UL1812(safety) , CSA439 (performance) approved