SUBMITTAL DATA SHEET

Energy Recovery Ventilation

Model Number: XEW-152AB-BU

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

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

C US

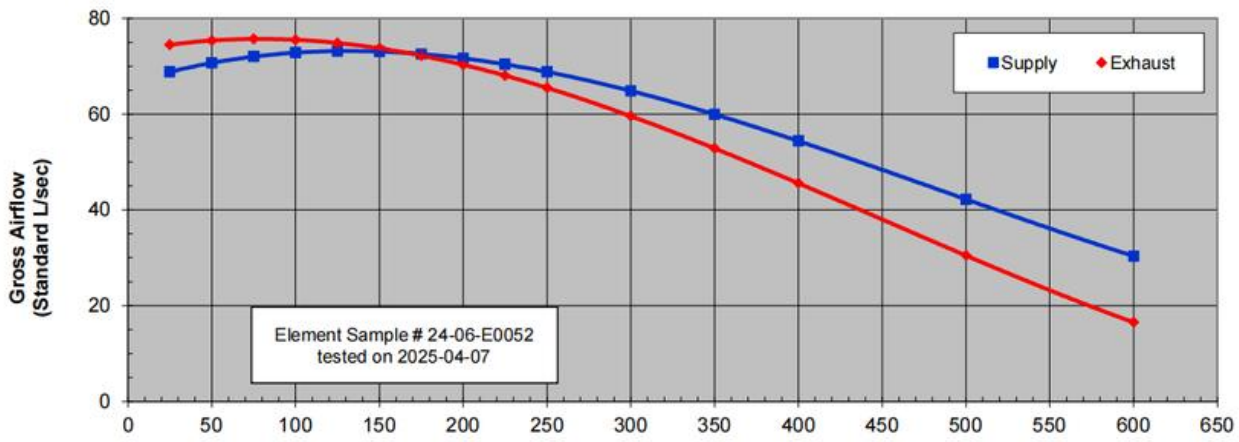
2100 HVI CERTIFIED

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	23-1/4 x 15-15/16 x 16-3/4
	mm	590 x 405 x 425
Net weight	Lbs	46
	kg	20.87
Ext Static Pressure (HH/H/L)	in W.G	0.4/0.2/0.1
Airflow Rate (HH/H/L)	CFM	152/90/57
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

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	68	144	69	146	74	158	111
50	0.2	70	147	71	150	75	160	123
75	0.3	71	150	72	153	76	160	131
100	0.4	72	152	73	154	76	160	142
125	0.5	72	153	73	155	75	159	151
150	0.6	72	152	73	155	74	156	160
175	0.7	71	151	73	154	72	153	165
200	0.8	71	149	72	152	70	149	171
225	0.9	69	147	70	149	68	144	171
250	1	68	144	69	146	65	139	170
300	1.2	64	135	65	137	60	126	168

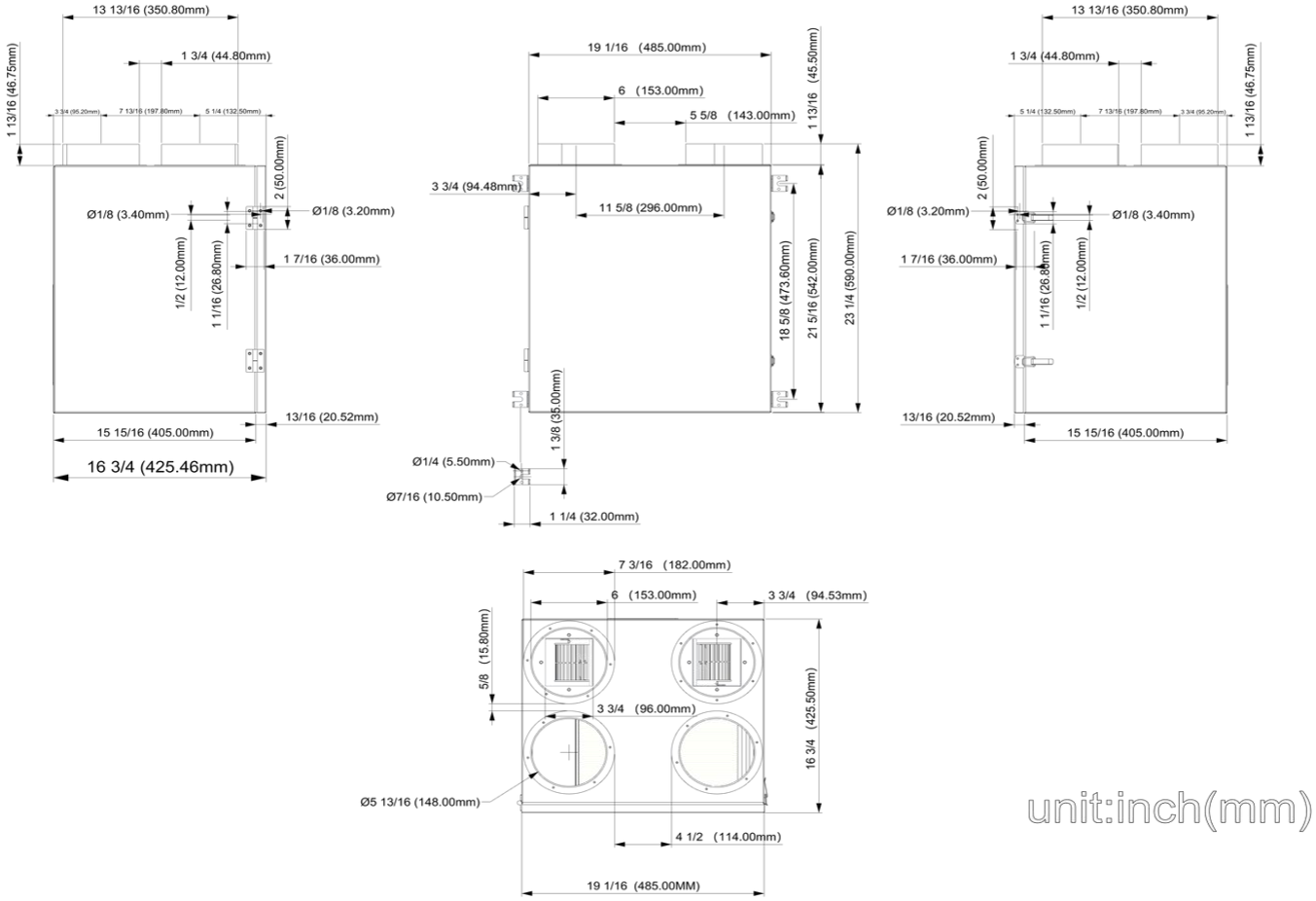
Fan Cures



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	27.1	57	30	77.40%	81.10%	0.9	1.9
2	0	32	70.1	148	111	62.50%	67.70%	0.63	1.3
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	63.40%	65.70%	0.78	1.66

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 53 – 138 CFM, meets the needs of a medium-large size home.
- **-13℉ Low climate approved** - suit for all climate zone.
- Unit UL1812(safety) , CSA439 (performance) approved