

## ERV SPECIFICATION SHEET

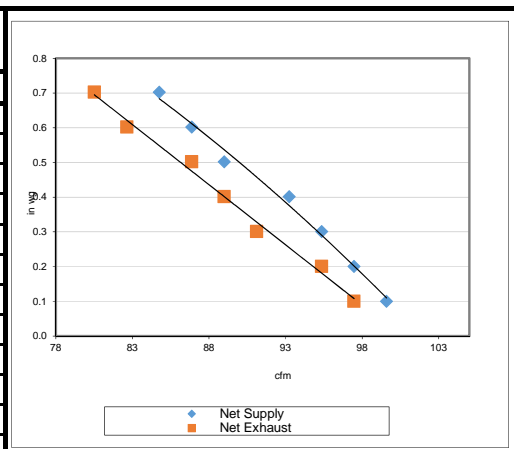
Testing Agency:	Exova Materials Testing Inc.	Model:	ER80M
Date Tested:	August 1, 2016	Serial Number:	xxxxx
Manufacturer:	UltimateAir Inc.	Options Installed:	Active Defrost Below 12 F
Address:	178 Mill Street Athens, Ohio 45701		
Phone:	(740)-594-2277	Electrical Requirements:	120 VAC      2.3 Amps

### VENTILATION PERFORMANCE

Maximum Continuous Rated Airflows:	Low Temperature Ventilation Factor	LTVF=	n/a
42 L/s @ 0°C	Low Temperature Imbalance Factor	LTIF=	n/a
90 CFM	Standby Power		6.5 W
			n/a

Airflow Range for Multispeed Unit:  
 High Speed: 42 L/s      Exhaust Air Transfer Ratio: 0.08

External Static Pressure		Net Supply Airflow		Gross Airflow				Power
				Supply		Exhaust		
Pa	in. W.C.	L/s	cfm	L/s	cfm	L/s	cfm	Watts
25	0.1	43	92	47	100	46	97	156
50	0.2	42	90	46	97	45	95	154
75	0.3	41	87	45	95	43	91	152
100	0.4	40	85	44	93	42	89	152
125	0.5	39	82	42	89	41	87	149
150	0.6	38	80	41	87	39	83	147
175	0.7	36	77	40	85	38	81	144



NOTE: FAN CURVE PERFORMED ON HIGH SPEED

### ENERGY PERFORMANCE

	Supply Temperature		Net Airflow		Supply / Exhaust Flow Ratio	Average Power Watts	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer
	°C	°F	L/s	cfm					
HEAT-ING	0	32	42	89	1.02	152	84	99	0.66
	4	39.2	42	89	1.02	152	82*	99*	0.61*
	-8	17.6	42	89	1.02	152	88*	99*	0.74*
	-15	5	42	89	1.02	152	81*	97*	0.77*
COOL-ING	35	95	42	89	1.03	144	45**	79	0.38

\*Description of Defrost: Patented, climate dependant, controlled input heat.

Comments from testing agency:  
 Fan curve test was done at ERV maximum speed

\* These data points not listed per HVI  
 \*\* Indicates Total Recovery Effectiveness, not Sensible Recovery Efficiency  
 250 Pascals = 1" of Water : 0.47 L/s = 1 cfm