

# Ultimate Air Recouperator Specifications

## ERV SPECIFICATION SHEET

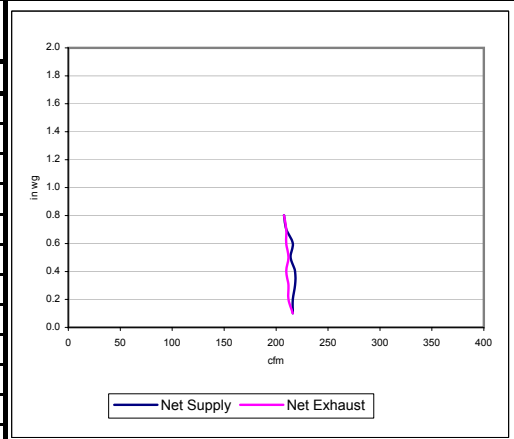
Testing Agency:	Bodycote Materials Testing Inc.	Model:	200DX
Date Tested:	Jul-05	Serial Number:	12087
Manufacturer:	Stirling Technology	Options Installed:	Active Defrost Below 18 F
Address:	178 Mill Street Athens, Ohio 45701		
Phone:	(740)-594-2277	Electrical Requirements:	120 VAC      6.0 Amp

## VENTILATION PERFORMANCE

Maximum Continuous Rated Airflows: 95 L/s @ 0°C	Low Temperature Ventilation Factor Low Temperature Imbalance Factor Low Temperature Ventilation Reduction Maximum Unbalanced Airflow	<b>LTVF=</b> n/a <b>LTIF=</b> n/a n/a n/a
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Airflow Range for Multispeed Unit:  
High Speed: 95 L/s      Low Speed: 30 L/s      Exhaust Air Transfer Ratio: 0.09

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	92	195	102	216	102	216	228
50	0.2	92	195	102	216	100	212	207
75	0.3	93	197	103	218	100	212	229
100	0.4	93	197	103	218	99	210	240
125	0.5	91	193	101	214	100	212	258
150	0.6	92	195	102	216	99	210	260
175	0.7	90	191	99	210	99	210	263
200	0.8	88	186	98	208	98	208	266



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	30	64	0.98	49	83	96	0.69
	0	32	46	97	1.00	73	83	94	0.64
	0	32	95	201	1.02	260	81	93	0.55
COOL-ING	35	95	30	64	1.00	50	53**	Comments from testing agency:	
	35	95	63	133	1.02	121	44**		

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

Fan curve test was done at ERV maximum speed

\*\* Indicates Total Recovery Effectiveness, not Sensible Recovery Efficiency  
250 Pascals = 1" of Water : 0.47 L/s = 1 cfm

Testing was performed in general accordance with CAN/CSA-C439-00, Standard Methods of Test for Rating The Performance of Heat Recovery Ventilators, and was conducted in accordance with normal professional standards.