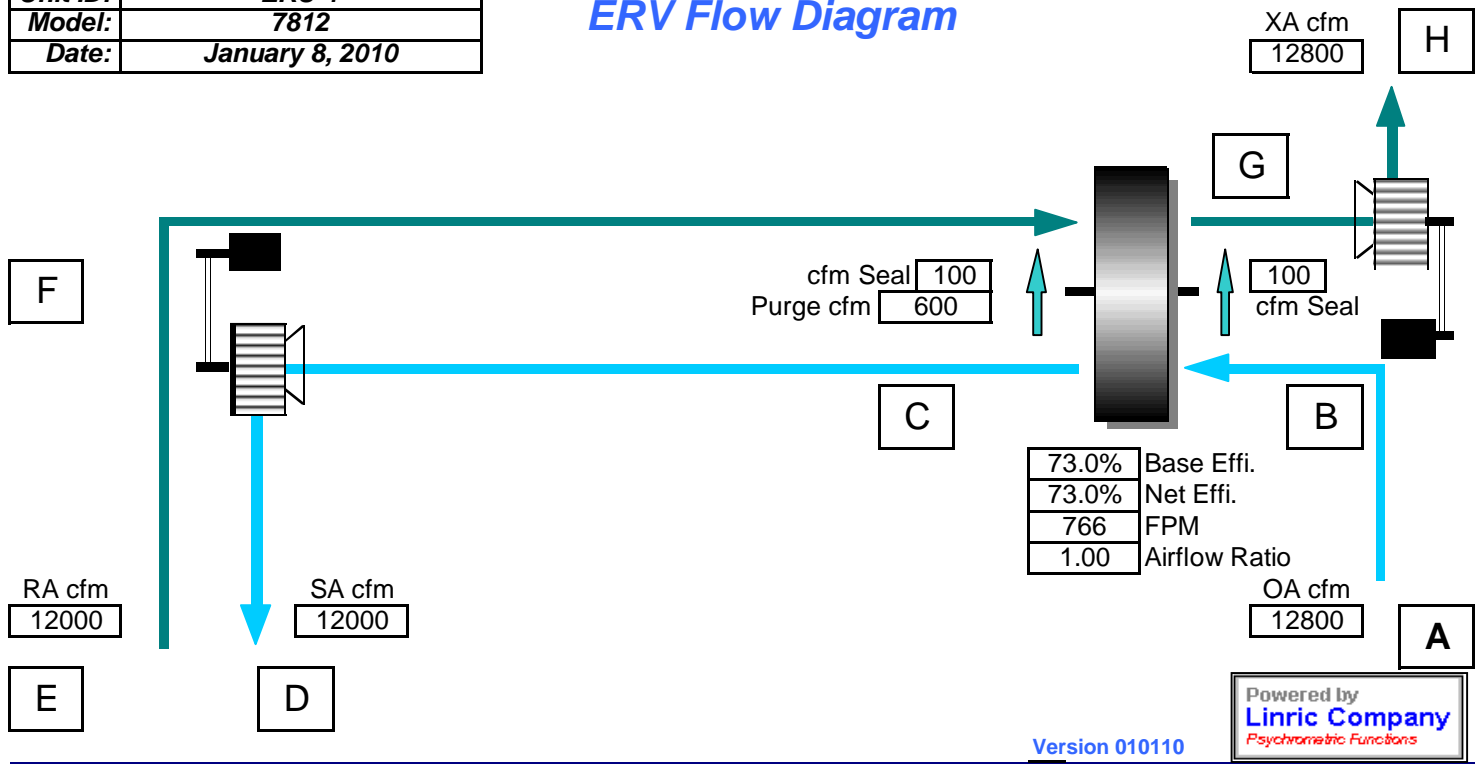


# Example Diagram

**Berner International Corp.**

Unit ID:	ERU-1
Model:	7812
Date:	January 8, 2010

## ERV Flow Diagram



### Cooling

	A	B	C	D	E	F	G	H
db	98.0	99.0	82.2	83.2	75.0	76.0	92.8	93.8
wb	78.7	78.9	67.7	68.0	62.4	62.7	75.1	75.4
RH%	43.1	41.8	47.7	46.2	49.5	47.9	44.5	43.1
Btu/Lbs.	42.1	42.3	32.1	32.3	28.0	28.3	38.5	38.8
gr./lbs.	117.7	117.7	78.7	78.7	64.3	64.3	103.3	103.3
	O A EAT	Motor LAT	Rotor LAT	S A LAT	R A EAT	Motor LAT	Rotor LAT	X A LAT

45.1 TONS OF FREE COOLING (Berner Unit)

0.0 indicates not calculated

### Heating

	A	B	C	D	E	F	G	H
db	0.0	1.0	52.1	53.1	70.0	71.0	19.9	20.9
wb	-1.2	-0.4	44.9	45.4	55.8	56.2	19.6	20.2
RH%	59.9	56.8	56.8	54.8	40.0	38.7	94.7	90.3
Btu/Lbs.	0.5	0.7	17.6	17.8	23.6	23.9	6.9	7.2
gr./lbs.	3.3	3.3	32.8	32.8	43.7	43.7	14.2	14.2
	O A EAT	Motor LAT	Rotor LAT	S A LAT	R A EAT	Motor LAT	Rotor LAT	X A LAT

0.0 indicates not calculated

922456 BTUH OF FREE LATENT HEATING (Berner Unit)

678342 BTUH OF FREE SENSIBLE HEATING (Berner Unit)

Yes Defrost Heater Recommended

0.00 Required kw of Defrost Heat when exceeding Frost Conditions