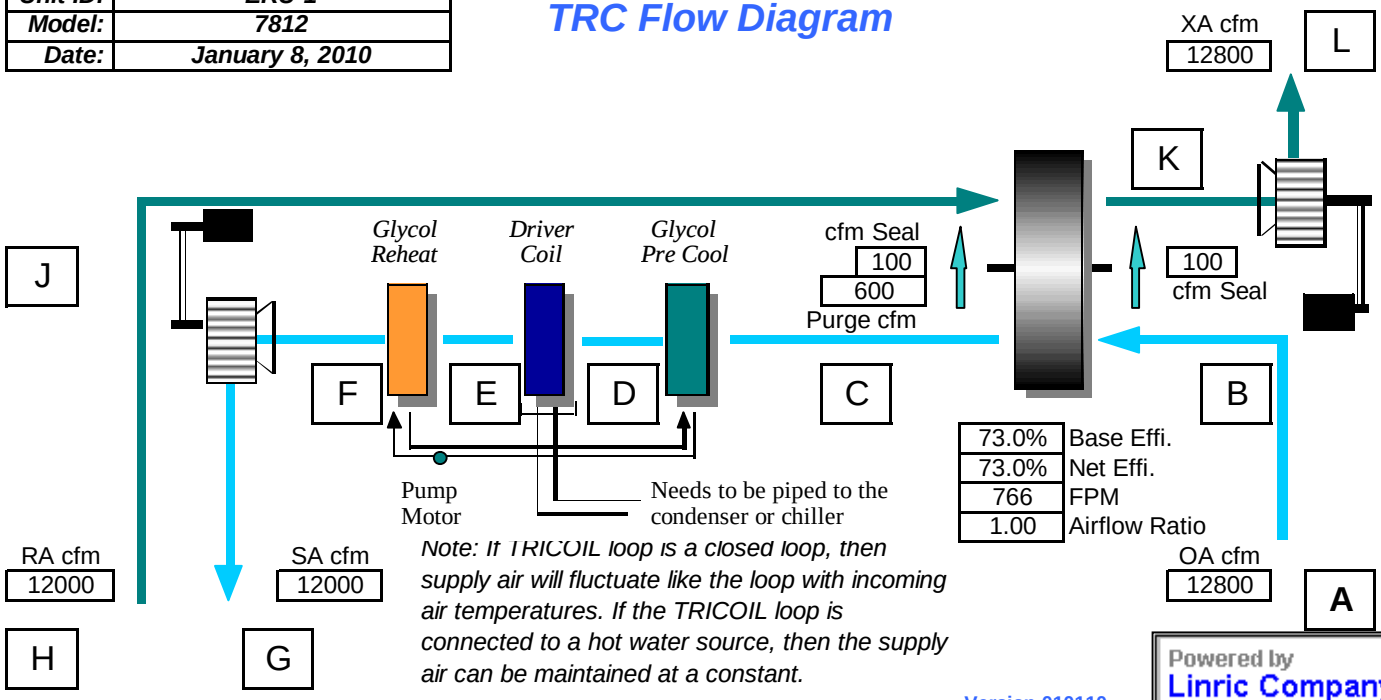
Example Diagram

Berner International Corp.

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

TRC Flow Diagram



Version 010110

Powered by Linric Company Psychrometric Functions

Cooling

	A	B	C	D	E	F	G	H	J	K	L
db	98.0	99.0	82.2	66.8	55.0	70.4	71.4	75.0	76.0	92.8	93.8
wb	78.7	78.9	67.7	62.7	55.0	60.9	61.2	62.4	62.7	75.1	75.4
RH%	43.1	41.8	47.7	79.9	N/A	58.1	56.1	49.5	47.9	44.5	43.1
Btu/Lbs.	42.1	42.3	32.1	28.3	23.2	27.0	27.2	28.0	28.3	38.5	38.8
gr./lbs.	117.7	117.7	78.7	78.7	64.6	64.6	64.6	64.3	64.3	103.3	103.3
	O A EAT	Motor LAT	Rotor LAT	P C LAT	Coil LAT	R H LAT	S A LAT	R A EAT	Motor LAT	Rotor LAT	X A LAT

84.9 TONS OF COOLING REQUIRED *(Conventional Method)*

213893 ***Sensible*** BTUH OF REHEAT REQUIRED *(Conventional Method)*

0.0 indicates not calculated

62.1 TONS OF FREE COOLING ***(Berner Unit)***

22.8 TONS OF COOLING REQUIRED ***(Berner Unit)***

213893 ***Sensible*** BTUH OF FREE REHEAT ***(Berner Unit)***

CW or DXD	***Type of Cooling***
N/A	***Glycol used for CW Coil***
0%	***% of Glycol***
N/A	***Glycol used for TRICOIL®***
0%	***% of Glycol***

Heating

	A	B	C	D	E	F	G	H	J	K	L
db	0.0	1.0	52.1	52.1	52.1	99.0	99.0	70.0	71.0	19.9	20.9
wb	-1.2	-0.4	44.9	44.9	44.9	63.8	63.8	55.8	56.2	19.6	20.2
RH%	59.9	56.8	56.8	56.8	56.8	11.9	11.9	40.0	38.7	94.7	90.3
Btu/Lbs.	0.5	0.7	17.6	17.6	17.6	28.9	28.9	23.6	23.9	6.9	7.2
gr./lbs.	3.3	3.3	32.8	32.8	32.8	32.8	32.8	43.7	43.7	14.2	14.2
	O A EAT	Motor LAT	Rotor LAT	P C LAT	Coil LAT	R H LAT	S A LAT	R A EAT	Motor LAT	Rotor LAT	X A LAT

1535547 BTUH OF LATENT HEAT REQUIRED *(Conventional Method)*

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***

610638 BTUH OF SENSIBLE HEAT REQUIRED ***(Berner Unit)***

HW or Steam	***Type of Heating***
N/A	***Glycol used for HW Coil***
0%	***% of Glycol***