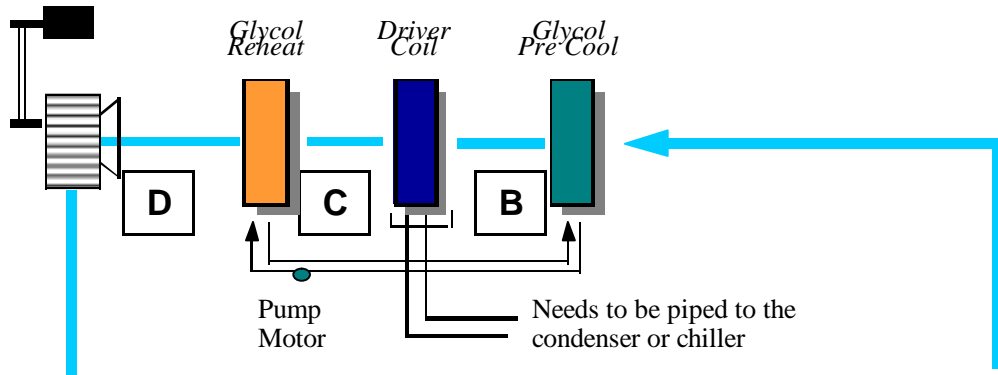


Unit ID:	ERU-1
Model:	7812
Date:	January 8, 2010

TRO Flow Diagram



SA cfm
12000
E

Note: If TRICOIL loop is a closed loop, then supply air will fluctuate like the loop with incoming air temperatures. If the TRICOIL loop is connected to a hot water source, then the supply air can be maintained at a constant.

OA cfm
12000
A
Powered by
Linric Company
Psychrometric Functions

Version 010110

Cooling

	A	B	C	D	E
db	98.0	74.4	55.0	78.7	79.7
wb	78.7	72.5	55.0	63.7	64.1
RH%	43.1	91.6	N/A	44.1	42.7
Btu/Lbs.	42.1	36.2	23.2	29.0	29.2
gr./lbs.	117.7	117.7	64.6	64.6	64.6
	OA	PC	Coil	RH	SA
	EAT	LAT	LAT	LAT	LAT

84.9 TONS OF COOLING REQUIRED (Conventional Method)
320943 **Sensible** BTUH OF REHEAT REQUIRED (Conventional Method)

0.0 indicates not calculated

26.3 TONS OF FREE COOLING (Berner Unit)
58.6 TONS OF COOLING REQUIRED (Berner Unit)
320943 **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
db	0.0	0.0	0.0	99.0	99.0
wb	-1.2	-1.2	-1.2	57.1	57.1
RH%	59.9	59.9	59.9	1.2	1.2
Btu/Lbs.	0.5	0.5	0.5	24.3	24.3
gr./lbs.	3.3	3.3	3.3	3.3	3.3
	OA	PC	Coil	RH	SA
	EAT	LAT	LAT	LAT	LAT

1284159 BTUH OF LATENT HEAT REQUIRED (Conventional Method)

0.0 indicates not calculated

1288980 BTUH OF SENSIBLE HEAT REQUIRED (Berner Unit)

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