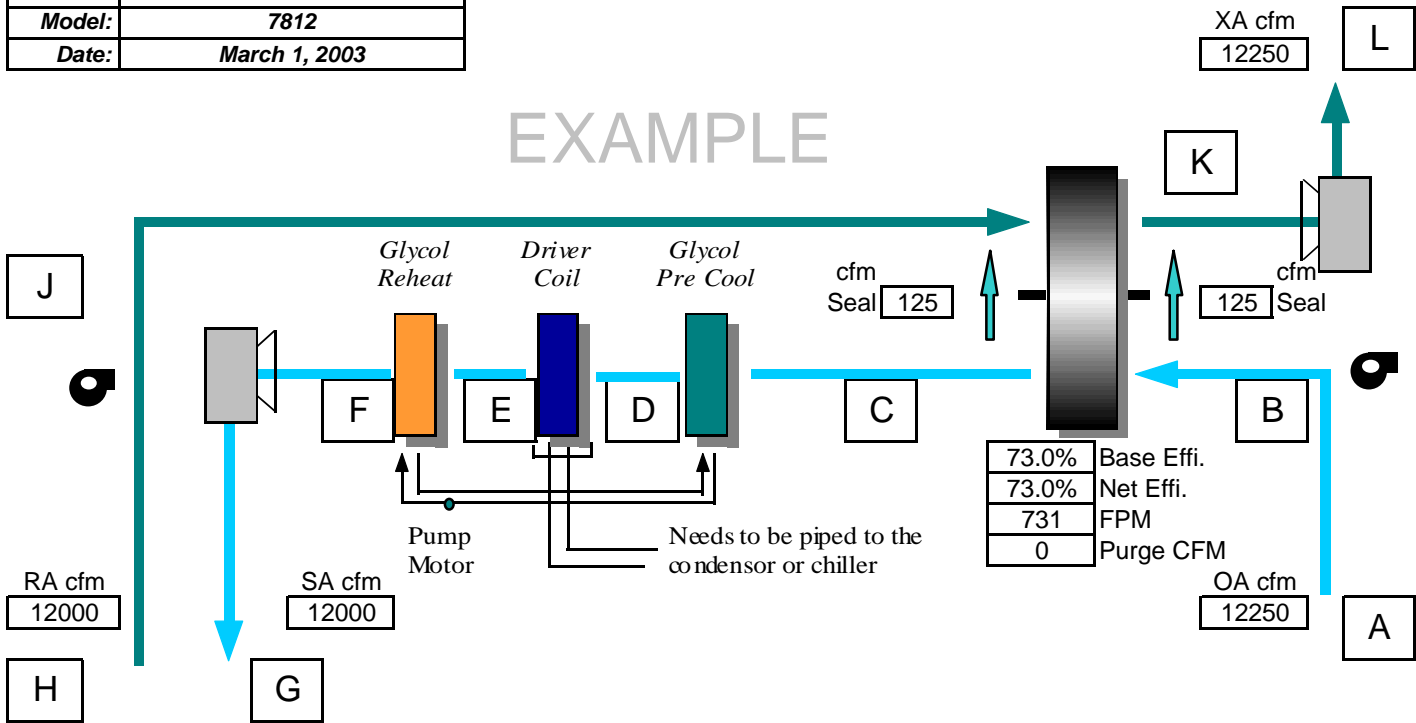


Flow Diagram-TRC EXAMPLE

Unit ID:	ERU-1
Model:	7812
Date:	March 1, 2003

EXAMPLE



Cooling

	A	B	C	D	E	F	G	H	J	K	L
db	98.0	99.0	82.2	67.2	55.0	70.0	71.0	75.0	76.0	92.8	93.8
wb	78.7	78.9	67.7	62.8	55.0	60.7	61.1	62.4	62.8	75.1	75.4
RH%	43.0	41.7	47.8	78.9	100.0	58.9	57.0	49.7	48.1	44.5	43.1
Btu/Lbs.	42.1	42.4	32.1	28.5	23.3	26.9	27.2	28.1	28.4	38.6	38.8
gr./lbs.	118.0	118.0	79.2	79.2	64.9	64.9	64.9	64.8	64.8	103.6	103.6
OA	Motor	Rotor	PC	Coil	RH	SA	RA	Motor	Rotor	XA	
	EAT	LAT	LAT	LAT	LAT	LAT	LAT	EAT	LAT	LAT	LAT

0.0 indicates not calculated

85.0 TONS OF COOLING REQUIRED (Conventional Method)
 208320 Sensible BTUH OF REHEAT REQUIRED (Conventional Method)

61.5 TONS OF FREE COOLING (BERI Unit)
 23.4 TONS OF COOLING REQUIRED (BERI Unit)

DX Coil Type of Cooling

208320 Sensible BTUH OF FREE REHEAT (BERI Unit)

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	100.0	70.0	71.0	19.9	20.9
wb	-1.2	-0.4	44.9	44.9	44.9	63.8	64.1	55.7	56.1	19.5	20.2
RH%	59.7	56.6	56.6	56.6	56.6	11.8	11.5	39.9	38.6	94.4	90.0
Btu/Lbs.	0.5	0.7	17.6	17.6	17.6	28.9	29.2	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
OA	Motor	Rotor	PC	Coil	RH	SA	RA	Motor	Rotor	XA	
	EAT	LAT	LAT	LAT	LAT	LAT	LAT	EAT	LAT	LAT	LAT

0.0 indicates not calculated

1548620 BTUH OF LATENT HEAT REQUIRED (Conventional Method)

922456 BTUH OF FREE LATENT HEATING (BERI Unit)
 678342 BTUH OF FREE SENSIBLE HEATING (BERI Unit)
 623658 BTUH OF SENSIBLE HEAT REQUIRED (BERI Unit)

Hot Water Type of Heating
 Yes Defrost Heater required