

Ground Loop Design

Zone Report - 4/3/2015



Project Name: Geothermal Design		
Designer Name: Designer		
Date: 4/3/2015	Project Start Date: 4/3/2015	
Client Name: Test Design		
Address Line 1:		
Address Line 2:		
City: Metropolis	Phone:	
State: CA	Fax:	
Zip: 12345	Email:	
Unit Inlet (°F):	COOLING 86.7	HEATING 31.1

Loads

Design Day Loads

<i>Time of Day</i>	<i>Heat Gains (kBtu/Hr)</i>	<i>Heat Losses (kBtu/Hr)</i>
8 a.m. - Noon	254.8	378.8
Noon - 4 p.m.	337.5	237.7
4 p.m. - 8 p.m.	344.7	212.8
8 p.m. - 8 a.m.	275.1	345.3

Annual Equivalent Full-Load Hours
Cooling: 1908.2 *Heating:* 1220.4

Days Occupied per Week: 7.0

Heat Pumps

		Cooling	Heating
Pump Name:	NDV072	488.3	378.8
Number of Units:	1	35.55	30.97
Manufacturer:	WaterFurnace	13.7	3.6
Series:	Envision Com. ND Vert. (Full)	86.2	94.7
Pump Type:	Water to Air	0.71	1.00
		Load Temp. (°F)	67.0 70.0
		Load Flows (CFM) (gpm)	2000 2000

Monthly Loads Data

	Cooling		Heating	
	Total (kBtu)	Peak (kBtu/hr)	Total (kBtu)	Peak (kBtu/hr)
January	576	34	122743	399
February	2215	81	82873	352
March	13404	123	51188	272
April	24062	138	25205	235
May	73990	260	9659	148
June	119183	337	4090	110
July	161268	345	815	37
August	127950	292	1665	77
September	91947	335	9451	141
October	32529	222	27158	207
November	8355	139	56812	283
December	2269	59	94694	321
Total	657747		486352	
Hours at Peak		3.0		3.0

Hourly Loads Data

Included: Import Data File
Filename: Report Example.zon