

Ground Loop Design

Zone Report - 3/27/2024



Project Name: windy ridge		
Designer Name: LN Consulting		
Date: 3/27/2024	Project Start Date: 3/27/2024	
Client Name:		
Address Line 1:		
Address Line 2:		
City:	Phone:	
State:	Fax:	
Zip:	Email:	
Unit Inlet (°F):	COOLING 81.0	HEATING 59.8

Zone 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	404.5	193.6
Noon - 4 p.m.	376.6	162.7
4 p.m. - 8 p.m.	513.1	128.3
8 p.m. - 8 a.m.	451.0	208.0

Annual Equivalent Full-Load Hours
Cooling: 1240.8 *Heating:* 923.00

Days Occupied per Week: 7.0

Heat Pumps

		Cooling	Heating
Pump Name:	Capacity (kBtu/Hr)	0.0	0.0
Number of Units: 1	Power (kW)	0.00	0.00
Manufacturer: Custom Pump	EER/COP	0.0	0.0
Series:	Flow Rate (gpm)	0.0	0.0
Pump Type:	Partial Load Factor	0.00	0.00
	Load Temp. (°F)	67.0	70.0
	Load Flows (CFM) (gpm)	0	0

Monthly Loads Data

	Cooling		Heating	
	Total (kBtu)	Peak (kBtu/hr)	Total (kBtu)	Peak (kBtu/hr)
January	0	0	60236	208
February	0	0	46281	195
March	126	24	30420	159
April	19320	330	3509	91
May	58157	419	0	0
June	131251	486	0	0



July	163973	513	0	0
August	153549	496	0	0
September	88061	446	0	0
October	19770	281	0	0
November	2504	117	14059	82
December	1	1	37491	190
Total	636711		191995	
Hours at Peak		3.0		3.0

Hourly Loads Data

Included: Import Data File
Filename: Untitled.zon