

Savings Report - 110 Henderson

Customer Name: Yanky Strulovich (on behalf of Magnatech USA LLC)

Todays Date: 04/03/23

Dates of Trial: 11/01/22 - 03/01/23

With Magnatech (A)	
Nov - Dec	4728
Dec - Jan	10245
Jan - Feb	7547
Feb - Mar	6106
Total Therms	28626.00

Without Magnatech (B)	
Nov - Dec	5384
Dec - Jan	7314
Jan - Feb	13659
Feb - Mar	9305
Total Therms	35662.00

Degree Days Explained

Degree days are calculated by comparing the average temperature in a location to a baseline temperature, which is typically around 65 degrees Fahrenheit. If the average temperature is higher than the baseline temperature, the degree days are “cooling degree days,”

which means that energy will be needed to cool the building. If the average temperature is lower than the baseline temperature, the degree days are “heating degree days,” which means that energy will be needed to heat the building.

Total Consumption A	Total Consumption B
A = 28626.00	B = 35662.00
Using degree days figures from ‘closest weather station’ set at 65°F. (www.Degreedays.net)	
Total Degree Days in Period A	Total Degree Days in Period B
Period A = 2756.7	Period B = 3168.8
Dividing total consumption by degree days = fuel burnt per degree day.	
Period A = 10.38415497	Period B = 11.2541025
Reduction of consumption per HDD	
HDD Reduction = -0.869947531	
Reduction in Period A divided by Consumption in Period B *100 Gives you a percentage reduction figure:	
Percentage Reduction = 7.7%	
This proves a considerable reduction in fuel consumption over the comparable heating periods after the Magnatech units were installed.	

Weather Station Data KEWR_HDD_65°F (1)	
Description:	Celsius-based heating degree days with a base temperature of 65°F
Source:	www.degreedays.net
Accuracy:	No problems detected
Station:	Newark, NJ, US (74.17W,40.69N)
Station ID:	KEWR
Month Starting:	HDD 65°F
12-01-2021	629.2
01-01-2022	1120.3
02-01-2022	803.4
03-01-2022	615.9
12-01-2022	813
01-01-2023	659.7
02-01-2023	665.7
03-01-2023	618.3
	3168.8 TOTAL
	2756.7 TOTAL