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|----------------------------|----|
| Outdoor Winter Design Temp | -3 |
| Outdoor Summer Design Temp | 88 |
| Indoor Design Temp | 72 |

| | | U-Factor | Heat loss /sf | Delta-T | Living Room sf areas | Total Heat Loss Living Room | Dinning, Kitchen & Entryway | Total Heat Loss Dinning, Kitchen & Entryway | Bedroom 1 | Total Heat Loss Bedroom 1 | Bedroom 2 (L) | Total Heat Loss Bedroom 2 (L) | Bedroom 3 (D) | Total Heat Loss Bedroom 3 (D) | Total House Heat Loss |
|-----------------|-----|----------|---------------|---------|-------------------------|--------------------------------|-----------------------------------|--|-----------|------------------------------|------------------|--|------------------|--|--------------------------|
| Walls | R13 | 0.095 | 6.75 | 75 | 414 | 2,950 | 194 | 1,382 | 185 | 1,318 | 184.2 | 1,312 | 160 | 1,140 | |
| Attic | R50 | 0.02 | 1.42 | 75 | 576 | 864 | 408 | 612 | 144 | 216 | 140 | 210 | 110 | 165 | |
| Windows | | 0.5 | 36 | 75 | 162 | 6,075 | 57 | 2,138 | 15 | 563 | 7.8 | 293 | 7.8 | 293 | |
| Doors | | 0.5 | 36 | 75 | 0 | - | 21 | 788 | 0 | - | 0 | - | 0 | - | |
| Total Heat Loss | | | | | 1152 | 9,888.75 | 680 | 4,919.25 | | 2,096.63 | | 1,814.93 | | 1,597.50 | 20,317.05 |

Seasonal oil usage (gal)

475

Oil BTU per gallon

138000

Boiler Efficiency

83%

MMBTU/Year

54,406,500

Heating Degree Days

7,700

BTU/Degree Day

7,066

BTU/Hour

294

Total BTU At 68 degree

20,019.71

Total BTU At -20

25,908