Comparative Case Study

Cambridge HTHV vs. Unit Heaters

Heated Boat Storage

Cambridge HTHV Space Heaters

Operating Costs

Based on 3,103 Heating Degree Days @ 50°

$0.14/ft² Gas cost @ $1.00/therm
$0.01/ft² Electric cost @ $0.08/kWh

$0.15/ft² Total cost

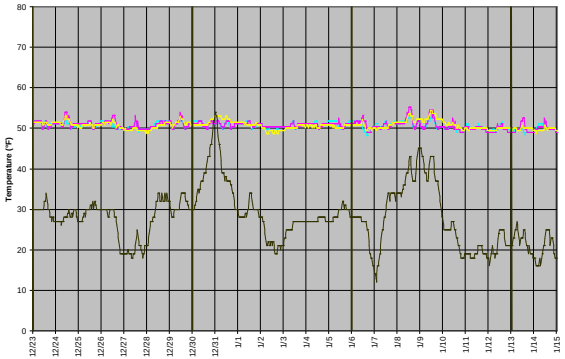
Building Specifications

- 54,000 ft² x 37' high
- R-22 Roof / R-15 Walls
- Located near Detroit, MI

Heating System

- (2) Cambridge HTHV Space Heaters
- 1350 MBH total
- 7,000 CFM total
- 4 HP total - intermittent
- No Ceiling Fans

Performance



± 5° indoor temperature variation
from 50° setpoint

Unit Heaters

Operating Costs

Based on 3,524 Heating Degree Days @ 50°

$0.29/ft² Gas cost @ $1.00/therm
$0.01/ft² Electric cost @ $0.08/kWh

$0.30/ft² Total cost

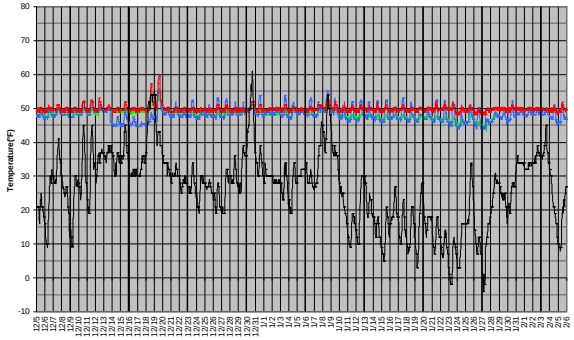
Building Specifications

- 50,400 ft² x 37' high
- R-22 Roof / R-15 Walls
- Located near Chicago, IL

Heating System

- (8) Unit Heaters
- 2000 MBH total
- No outside air
- 3 HP total - intermittent
- With Ceiling Fans

Performance



± 6° indoor temperature variation
from 50° setpoint

Summary

The Cambridge system used **50% less** total energy with less temperature fall off.

If the 370,000 ft² facility had installed a Cambridge HTHV system they could have saved approximately **$8,000/year** operating at $0.15/ft² vs. $0.30/ft².

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