

COMPARATIVE CASE STUDY

Cambridge Space Heaters vs. Unit Heaters Heated Boat Storage

Cambridge 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

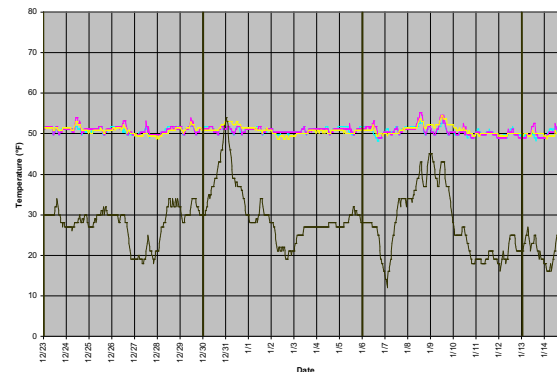
\$0.15/ft² Total cost

Building Specifications

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

Heating System

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



± 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

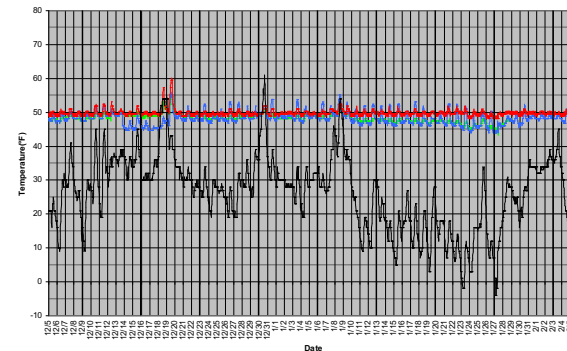
\$0.30/ft² Total cost

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



± 6° indoor temperature variation
from 50° setpoint

Summary

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

If the 50,400 ft² facility had installed a Cambridge system they could have saved approximately

\$8,000/year operating at \$0.15/ft² vs. \$0.30/ft².