COMPARATIVE CASE STUDY

Cambridge Space Heaters vs. Make Up Air Large Retailers – Kansas and Ohio

Cambridge Space Heaters



Operating Costs

Based on 5,215 Heating Degree Days @ 65°

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

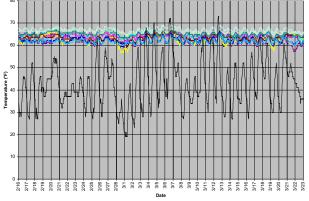
\$0.15/ft² Total cost

Building Specifications

- 1,291,950 ft² x 36' high
- R-19 Roof / R-10 Walls
- Located in Topeka, KS

Heating System

- (15) Cambridge Space Heaters
- Roof top mounting
- 27,806 MBH total
- 132,340 CFM total
- 95 HP total



11° indoor temperature variation

Draw Thru Make Up Air Heaters



Operating Costs

Based on 5,545 Heating Degree Days @ 65°

\$0.27/ft2 Gas cost @ \$1.00/therm \$0.02/ft2 Electric cost @ \$0.08/kWh

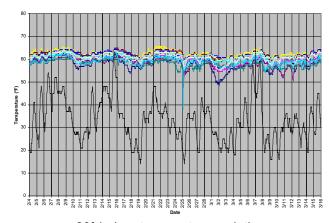
\$0.29/ft² Total cost

Building Specifications

- 1,291,950 ft² x 36' high
- R-19 Roof / R-10 Walls
- · Located in Columbus, OH

Heating System

- (15) Draw Thru Make-up Air Heaters
- Roof top mounting
- 30,315 MBH total
- 210,000 CFM total
- 150 HP total



28° indoor temperature variation

Summary

The Cambridge system used 47% less total energy.

If the Ohio facility had installed a Cambridge system they could have saved approximately \$177,000/year operating at \$0.15/ft² vs. \$0.29/ft².

