

Comparative Case Study

Cambridge HTHV vs. Draw Thru Make-up Air

Large Retailer

Cambridge HTHV 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

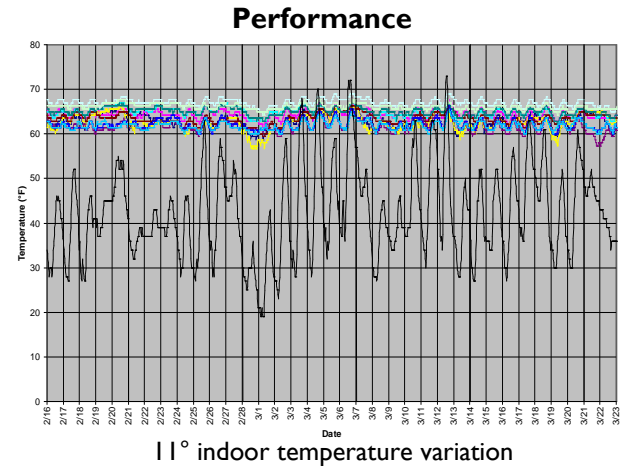
\$0.15/ft² Total cost

Building Specifications

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

Heating System

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



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

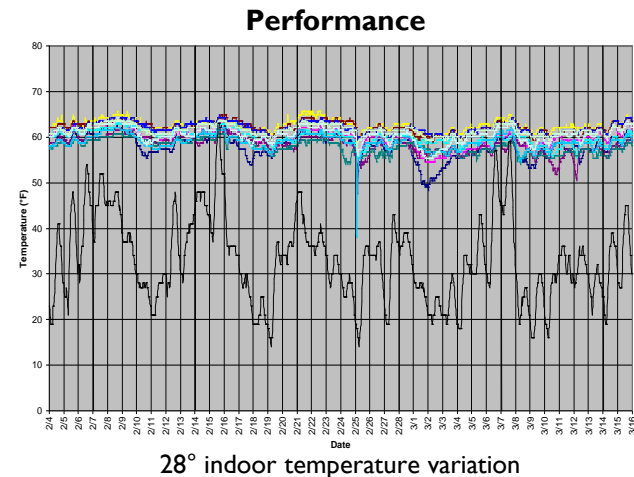
\$0.29/ft² Total cost

Building Specifications

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

Heating Systems

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



Summary

The Cambridge system used **47% less** total energy.

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