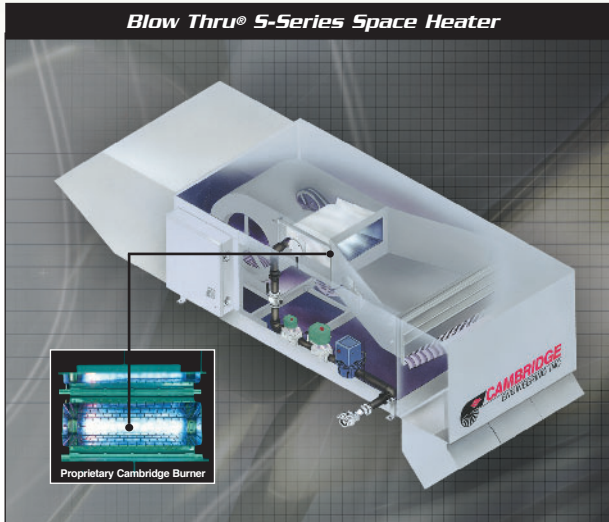


# Go Green with Genuine Cambridge® Heaters



## SAVE ENERGY IMPROVE IAQ REDUCE AIR POLLUTION INCREASE PROFITS



### Applications

Thousands of buildings and over a billion square feet have been heated with Cambridge in recent years. Energy efficient and environmentally friendly Cambridge heating/ventilating equipment is a proven, cost effective way to go green for the following applications:

- Warehouses
- Distribution Centers
- Manufacturing Plants
- Retrofit/Rehab Projects
- Indoor Sports Facilities
- Auto Dealership Service Bays
- Aircraft Hangars/Service Areas

### Blow-Thru® Heater Technology

- More heat with less energy
- Proven space heating technology
- Proprietary stainless Cambridge burner (5 year warranty)
- Provides more even building temperature and employee comfort

### Saves Energy

- 100% combustion efficiency ( $E_c$ )
- 92% thermal efficiency ( $E_t$ )
- High induction, air mixing ratio minimizes stratification
- Energy modeling and over 300 building studies document 40% to 70% energy savings (Table 1)
- LEED-Ready design is ASHRAE 90.1 Compliant

### Improves Indoor Air Quality

- Eliminates negative air problems
- Non-recirculating design provides 100% fresh air
- Helps meet ASHRAE 62.1 requirements

### Reduces Air Pollution

- Saving energy means a corresponding reduction in CO<sub>2</sub> and other greenhouse gases (Table 2)

### Increases Profits

- Lower installation costs
- Lower operating and maintenance costs (Table 2)

TABLE 1

Other Industrial Heating Systems	Energy Savings with Blow-Thru® Space Heaters
<b>Indirect Gas-Fired Systems</b>	
Boilers	40% to 70%
Infrared (Radiant)	15% to 40%
Unit Heaters	30% to 50%
Air Turnover Systems	25% to 70%
<b>Direct Gas-Fired Systems</b>	
Make-Up Air (MUA)	20% to 50%
Recirculation (Pressurization)	20% to 50%

# When the Cost of Energy Matters, Insist on Genuine Cambridge® Heating Equipment



## Recommended for LEED Projects

- Compliant with ASHRAE Standard 90.1-2007
- Energy modeling documents energy savings
- Active member of the U.S Green Building Council (USGBC)
- Energy Star® Service and Product Provider

You cannot specify or buy any type of heating equipment that is LEED, USGBC or Green certified. That includes Cambridge heaters, even though we are an active member of the U.S. Green Building Council (USGBC). However, specifying LEED-Ready Cambridge Heaters and using our heating expertise can help earn LEED points in the two important categories of Energy Efficiency (EA) and Indoor Air Quality (EQ).



## Partial List of Cambridge LEED Certified Building Projects

### Bull Ridge Distribution Center - Silver

Greensboro, NC  
341,000 sq. ft.

### Birtcher Center – 3 Buildings - Gold

Fairview, OR  
108,000 sq. ft.; 166,000 sq. ft.; 124,000 sq. ft.

### Boulder Industrial Business Center - Silver

Breinigsville, PA  
920,000 sq. ft.

### Crossroads Distribution Center - Silver

Olive Branch, MS  
800,000 sq. ft.

### General Mills Distribution Center - Gold

Social Circle, GA  
1,508,800 sq. ft.

### Pinnacle Distribution Center - Gold

Romeoville, IL  
649,000 sq. ft.

### Rivergate Corporate Center - Silver

Portland, OR  
573,000 sq. ft.

### Western Extralite - Silver - Silver

Lawrence, KS  
38,000 sq. ft.



TABLE 2

## Green Benefits of 50% Energy Savings with Cambridge® Heaters

Warehouse <sup>1</sup> Size (Sq. Ft.)	Annual <sup>2</sup> Energy Savings (Therms)	10 Year <sup>3</sup> Dollar Savings (\$)	Annual <sup>4</sup> Reduced CO <sub>2</sub> Emissions (Tons)	10 Year <sup>5</sup> Impact on Environment (Equiv. # of trees planted)
50,000	7,500	\$93,750	44	1,320
100,000	15,000	\$187,500	88	2,640
500,000	75,000	\$937,500	440	13,200
1,000,000	150,000	\$1,875,000	880	26,400

<sup>1</sup> Chicago warehouse with R-22 Roof, R-15 Walls

<sup>2</sup> 50% Energy savings

<sup>3</sup> Gas cost - \$1.25 per therm

<sup>4</sup> 1 Therm = 11.7 lbs of CO<sub>2</sub>

<sup>5</sup> American Forests Tree Calculator



[www.cambridge-eng.com](http://www.cambridge-eng.com)

Cambridge Engineering, Inc.  
760 Long Road Crossing Dr.  
Chesterfield, MO 63005  
800.899.1989 • Fax 636.530.6133