

SA-Series Heaters



Benefits at a Glance for:

Engineers

- HTHV technology
- Ability to satisfy 62.1 requirements
- 92% Energy Efficient

Contractors

- Lowest total cost technology
- SA provides Heating, Ventilation & De-stratification
- Ability to win more projects

Building Owners

- Reduces energy costs
- Provides superior IAQ
- Reduces carbon footprint

Cambridge Engineering Inc. (CEI) products are designed for simple installation, easy maintenance and reliable operation and they are available with certified and pre-engineered factory options and field-installed accessories. We manufacture products that heat and ventilate both commercial and industrial buildings and facilities.

Industry Applications

Commercial

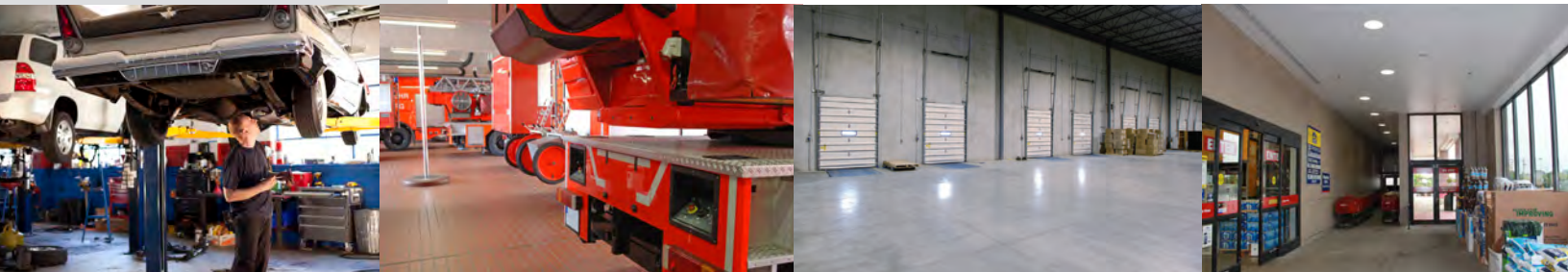
- Aviation
- Agricultural
- Warehouse/Distribution
- Automotive
- Sporting
- Greenhouses
- Municipality
- Retail

Industrial

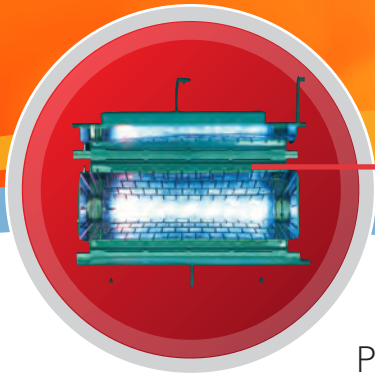
- Manufacturing
- Waste Water Treatment
- Warehouses

Performance Features

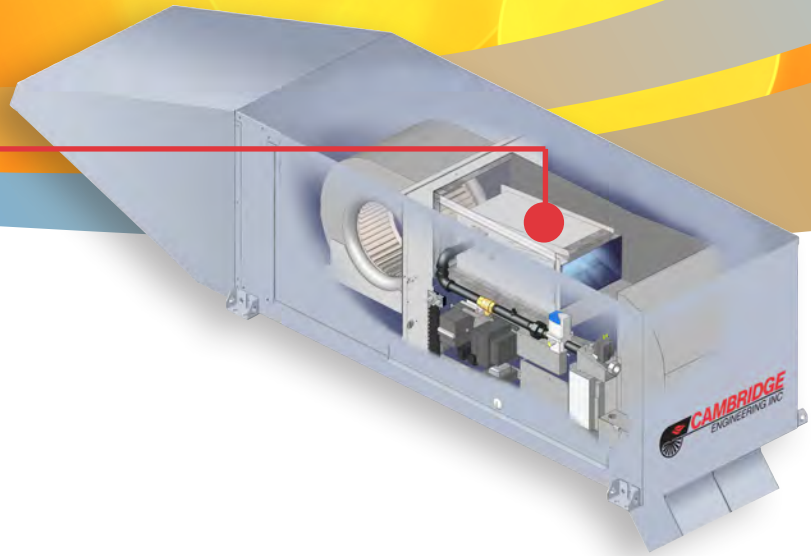
- High Discharge Temperature Heating & Ventilation technology (HTHV)
- 160°F Maximum discharge temp provides energy efficiency
- 100% outside air provides ventilation (V) and IAQ
- High 10:1 induction air mixing ratio minimizes stratification
- 5 year burner technology
- Blow Thru Space Heating Technology provides maximum amount of Btus per CFM
- Proprietary type 304 stainless steel burner
- Patented Low Fire Start technology increases reliability and saves energy
- Exceeds DOE's 90% High-Efficiency gas fired technology standards



SA-Series HTHV Heaters



Proprietary
Cambridge Burner



Installation and Serviceability

- Installation flexibility with horizontal rooftop, thru wall, under roof, and vertical indoor or outdoor mounting options
- Compact, lightweight, prepiped and prewired to make installation and start-up easier
- Blow Thru design eliminates the time required during start-up for adjustment of burner profile damper
- Multiple easy-access doors for quick start-up and maintenance
- Service and gas valve leak test switches are provided for easy installation and service
- Every unit is tested fully assembled to minimize initial start-up time
- Factory start-up available upon request
- CEI technical service department with over 50 years of experience can provide both onsite and telephone support

Reliable Factory Installed Components

- Blow Thru design puts burner downstream of blower so motor and other critical components are located in the cool air stream for extended service life
- Low voltage hot surface igniter with patented Cambridge Low Fire Start provides the most dependable and energy efficient gas ignition system for direct fired heaters.
- Closed cell, non-water absorbing insulation in the base of the unit eliminates condensation problems
- Engineering safety controls that include a high temperature limit switch, airflow switch and a gas modulation control
- Stainless steel burner and flame rod reduce maintenance and extend service life
- High quality polyester powder paint coating



Cambridge Engineering, Inc. 760 Long Road Crossing Dr. Chesterfield, MO 63005

800.899.1989 Fax 636.530.6133

www.cambridge-eng.com