



ALL-ELECTRIC NO-IDLE SOLUTION



- » ZERO FUEL
- » ZERO MAINTENANCE
- » ZERO EMISSIONS

# THE CLIMACAB ADVANTAGE

## IT'S ALL ABOUT EFFICIENCY

### Cooling Efficiency

The challenge is balancing cooling performance with battery life and most electric solutions don't have enough power. If they do, either the battery requirement is excessive or they can not operate all night.

The engineering team at Glacier Bay designed an integrated control system that regulates all system components so no electricity is wasted. So now, with ClimaCab®, you have the power you need for 10 plus hours, even in the harshest environments using only 4 batteries!

### Heating Efficiency

Until now, battery powered heating solutions for the sleeper cab were not feasible. Glacier Bay has developed a patent pending Radiant Heat Panel that delivers a unique method of in-cab comfort. Utilizing the same approach as nature, ClimaCab Radiant Panels warm the body directly using significantly less power than other electrical heating alternatives.

### Power Management

It's all about the power – having it when you need it and making sure it lasts! The ClimaCab solution is the result of over 18 years of design experience optimizing battery-powered systems. Glacier Bay's proprietary electronics and intelligent control software provide a range of unique capabilities that enhance power utilization for the entire truck, with features like Start Assist™ and battery recharge management.



ClimaCab® Radiant Panel

“ The best night's sleep I've ever had in a truck ”

## BUILT TO LAST

Since 1990, major companies like Westinghouse, IBM, Hewlett Packard, and NASA have turned to Glacier Bay for refrigeration and heating solutions designed to withstand the harshest environments. Our experience is built into ClimaCab's design. Long life-cycle components, only 6 moving parts and heavy duty construction make ClimaCab road ready and tough, so you'll have years of maintenance-free operation.

ClimaCab is the only all electric HVAC system for your truck that lasts all night and runs on 4 batteries with a standard alternator! The solution offers:

- Significant fuel savings versus idling and APUs
- Unmatched performance – 8000 BTUs/hr cooling, all night
- An integrated solution with no maintenance required
- CARB Compliant, EPA verified HVAC system
- Start Assist™ for main battery back up

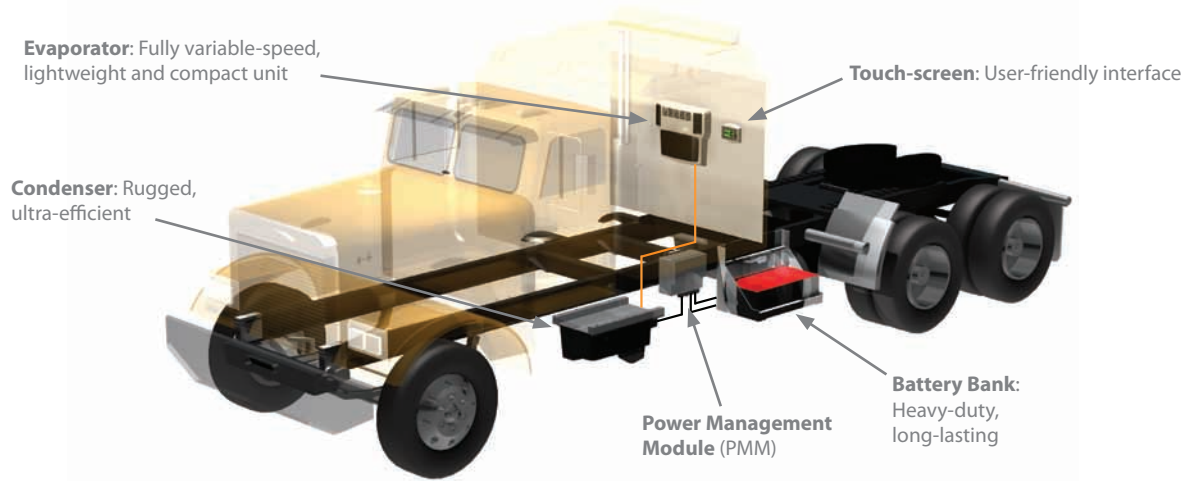
ClimaCab eliminates all “no-idle” costs for faster payback compared to APUs

**Zero Fuel** – start earning money back sooner

**Zero Maintenance** – eliminate expensive APU upkeep

**Zero Emissions** – exceed today and tomorrow's emissions regulations

## HOW CLIMACAB WORKS



### Power Management Module (PMM)

- Start Assist™ provides start bank redundancy, eliminating jump starts
- Charges batteries to factory set profiles, maximizing battery life
- Solid state technology responds in real time to match performance with load requirements
- Enables compatibility with existing 135amp alternators

### Evaporator

- Compact for easy installation
- Continuously variable speed components enable optimal performance
- Quiet operation ensures a restful night's sleep

### Condenser

- No routine maintenance required
- Continuously variable speed components enable optimal performance
- Battle tested for years making it highly reliable for extreme environments

### Touch Screen

- Customizable for a range of user profiles
- Easy to use, intuitive interface – “set and forget!”
- Thermostatic control delivers precise temperature

### Battery Bank

- 4 deep-cycle AGM batteries supply 400 amp/hr capacity
- Isolated from the truck's start bank
- Intelligent controls monitor batteries for optimum charging and long life
- Batteries sold separately

### Modular System

- Installs quickly, without ducting
- Split system design saves valuable cab storage



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## Why do drivers all across the country prefer **ClimaCab**?

### Industrial Strength Power

- 8,000 BTUs/hr cooling power
- Lasts over 10 hours

### Intelligent Power Management

- Continuously variable speed components
- Accurate temperature regulation
- Efficient operation

### Touch Screen

- Climate control at your fingertips

### Start Assist™

- Fail-safe starter battery backup
- Virtually eliminates jump starts

### CARB Compliant and EPA Verified

- Complies with nationwide no-idle restrictions

### No Cost to Operate

- Batteries charge when the truck engine runs
- No scheduled maintenance
- Full two-year warranty

### Premier Heating System (sold separately)

- Clean, quiet radiant heat
- Heated mattress pad for full body comfort

ClimaCab Component	Weight	Dimensions
Evaporator	19 lbs.	20.75" tall x 23" wide x 5.5" deep
PMM	53 lbs.	18.25" long x 12" wide x 6.5" tall
Battery Mount	65 lbs.	26.5" wide x 15" wide x 13.5" tall
Condenser	56 lbs.	26" long x 15" wide x 13.5" tall
Battery	75 lbs. x 4 = 300 lbs.	4 batteries fit in the battery mount (listed above)
Miscellaneous	5 to 10 lbs.	Refrigerant lines vary for each application



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Glacier Bay Inc. is an internationally recognized leader in advanced energy technologies, designing and manufacturing refrigeration and air conditioning systems, DC power management platforms, and high tech insulation products. Since 1990, Glacier Bay has built a reputation for engineering excellence in thermal management and has a history of designing rugged, reliable, fully integrated systems. With a focus on superior performance, eco-friendliness, and innovation, Glacier Bay delivers quality products designed to withstand the most rigorous environments.



Glacier Bay, Inc. is a proud affiliate of the EPA Smartway Transport Partnership. For more information, visit [www.epa.gov/smartway](http://www.epa.gov/smartway)