LIEBERT® THERMAL UPGRADES

Upgrade to the New Liebert iCOM™ Controls

BENEFITS

- Self-healing features avoid passing unsafe operating thresholds
- Highly intuitive, full-color, touch screen simplifies operations to save time and reduce human error
- Multiple, automated unit protection routines, including lead/lag, cascade, rapid restart, refrigerant protection and valve calibration
- Integrate multiple units into one intelligent system to reduce energy consumption by as much as 50%

Introducing the New Era of Enviromental Control

The all-new Liebert® iCOM™ thermal system controls offer thermal management optimization at both the unit and system levels, with an easy-to-use, touch screen interface that gives data center managers the insight needed to maximize performance.

At the cooling unit level, the Liebert iCOM unit control provides the highest protection available and helps ensure optimal performance.

- Monitors 380 unit and component points to eliminate single points of failure
- Self-healing features avoid passing unsafe operating thresholds
- 9-inch, full color, touch screen simplifies operations to save time and reduce human error
- Automated unit protection routines for lead/lag, cascade, rapid restart, refrigerant protection and valve calibration

At the supervisory level, the Liebert iCOM-S™ system control offers a revolutionary way to optimize thermal system performance and capacity across the data center, gain quick access to actionable data, and automate system diagnostics and trending.

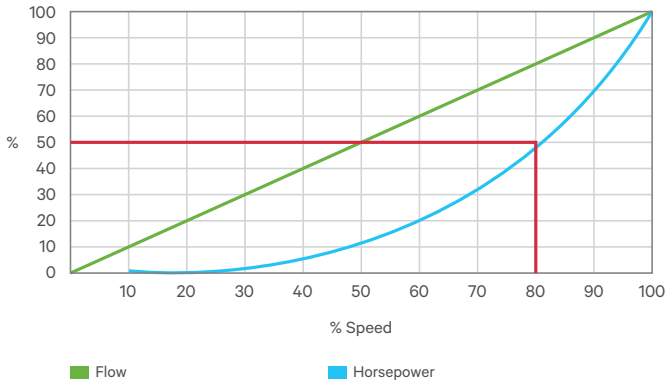
- Advanced monitoring and at-a-glance reporting on performance metrics and trends
- Up to 50% system efficiency gains and 30% reduction in deployment costs
- Teamwork modes to prevent unit conflicts and allow them to adapt to changes in facility-level demand
- Auto-configuration for up to 4,800 sensors, eliminating the need for costly custom integration

Liebert ICOM

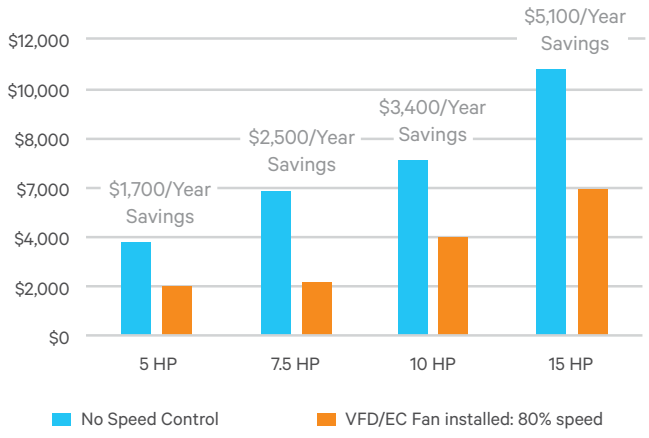
Liebert ICOM-S

Save Money with an upgrade to Energy Efficient Variable Speed Fans

Adding a Variable Speed Drive (VSD) to a fan motor or replacing an existing motor/blower assembly with EC fans, will allow the unit's fan speed and power draw to be reduced as the load decreases. As shown by the graph below, fan power is directly proportional to the cube of fan RPM.
A 20% reduction in fan speed provides almost 50% savings in fan power consumption.



Energy-Efficiency Utility Rebates Available



OVERVIEW

Why Upgrade to EC Fans

- Exceed your energy efficiency goals
- Reduce maintenance costs as no belt replacement(s)
- Eliminate belt dust
- Enjoy higher reliability
- Backward curved, corrosion resistant aluminum fan impeller
- True soft start with inrush current lower than full load current
- Adjustable fan speed with no VFD
- Specifically designed to retrofit Liebert Deluxe System/3
- 2- and 3- fan configurations available
- No changes required to the existing infrastructure or floor tile configuration
- 10-30% less energy than average standard AC motor
- Average payback is less than two years
- Virtual Back DraftDamper Capable*

*When equipped with Liebert® iCOM™ Controls

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