

LonWorks® Heat Rejection Control Systems

VaCom's **LonWorks® Heat Rejection Control System** consists of an integrated packaged control system featuring:

- ABB Variable Speed Drive:
 - ▶ Soft start feature
 - ▶ High reliability
 - ▶ Lower noise level
- Bypass controls
- Integrated LonWorks® Controller
- Standalone capability or interconnect with other LON systems
- Single main disconnect
- Three contactor bypass assembly
- Manual and automatic bypass
- Back-up fan control (On/Off)
- UL Listed

Each system can control up to four different condenser circuits and refrigerant types.

Packaged Expertise

Combining field installation experience with engineering and computerized energy simulations, VaCom Technologies has developed a comprehensive understanding of heat rejection efficiency.

Proven strategies and control methods are integrated into one simple to install pre-wired and pre-programmed packaged solution.

Interface Capabilities

The **LonWorks® Heat Rejection Control System** features an Echelon iLON 100 Internet server providing powerful insight into your system.

- Web-enabled for remote access
- Easily configure setup, setpoint adjustments, and status indicators
- Alarm and data trending capabilities



**Energy-Efficient
Control Solutions for
Commercial
& Industrial
Refrigeration and HVAC**

- ◆ **Internet Enabled**
- ◆ **Reduce Energy Expenses**
- ◆ **Lower Maintenance Costs**
- ◆ **Smart Investment**

Gain Control Today



AUTHORIZED
NETWORK
INTEGRATOR

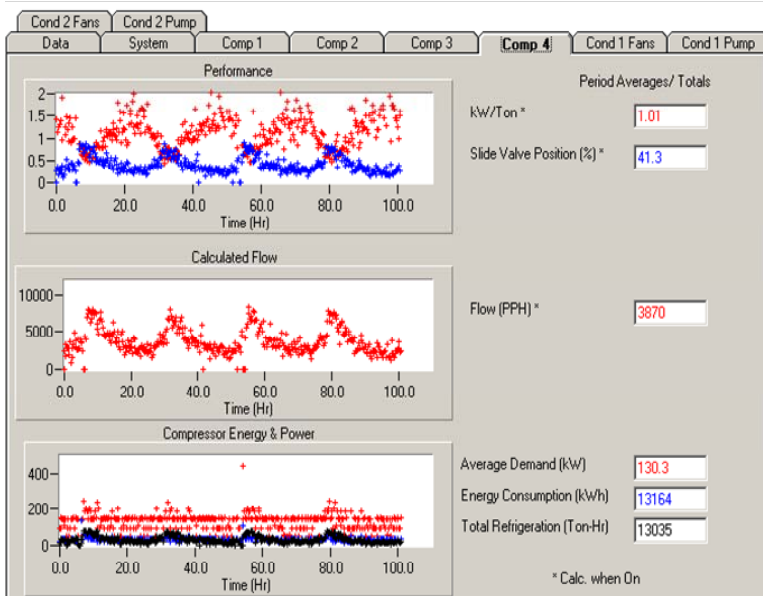
Applications

- New equipment or retrofit
- Condenser types:
 - ▶ Air-cooled
 - ▶ Evaporative-cooled
 - ▶ Cooling towers
- Commercial or industrial refrigeration
- Packaged chillers
- Direct expansion (DX) systems

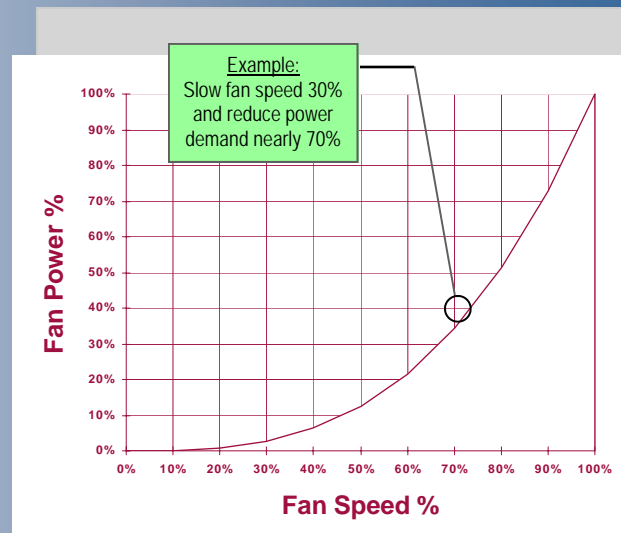
EnergyDashboard™ for Lasting Energy Savings

Vacom's web-based energy and performance monitoring service for refrigeration, HVAC, central plants, and heat pump systems will help ensure your system maintains optimum performance over its life.

- ▶ Track system efficiency
- ▶ View thermodynamic performance
- ▶ Benchmark system performance and plant production metrics
- ▶ Drill-down and aggregation views
- ▶ Real-time results
- ▶ And much more!



Example of Many Interface Screens Available



Stop Losing to Inefficiency

The Symptom: Many systems are oversized and nearly all operate at part-load 99% of the time.

The Diagnosis: Slowing condenser fan speed during part-load will reduce power demand exponentially!

The Cure: VaCom's LonWorks® Heat Rejection Control System!

Let the
"Third Power" Fan Rule
Work For YOU

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