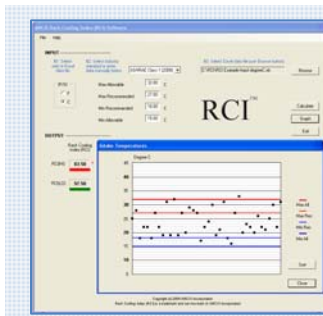


Rack Cooling Index (RCI)[®] Software v 1.2

The Easy Way to Show Conformance with Thermal Data Center Standards

The **Rack Cooling Index (RCI)** is a best practice performance metric for quantifying the conformance with thermal data center standards such as ASHRAE and NEBS[™]. The metric is widely referenced, including ASHRAE Datacom Series and BICSI[®] 002-2010 Data Center Design Standard.

The **RCI Software** automates the task of calculating the RCI metric for IT-equipment intake temperatures stored in Excel[®]. The Software plots the temperature distribution and calculates key statistics, which provide supplementary information for optimizing the thermal environment.

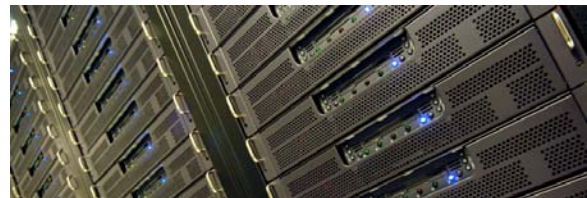


Data center standards provide recommended and allowable intake temperature ranges to protect the IT-equipment and cap cooling costs. The RCI metric compresses the temperatures (measured or modeled) into two numbers: $RCI_{HI}=100\%$ mean no intake temperatures above the maximum recommended and $RCI_{LO}=100\%$ mean no intake temperatures below the minimum recommended. Both numbers equal to 100% signify absolute compliance, i.e., all temperatures are within the recommended range.

Typical RCI applications include the following:

- **Design Equipment Environments.**
The RCI provides a standardized way for designers to evaluate and report the effectiveness of cooling solutions.
- **Provide Design Specifications.**
Data center owners/operators can specify a certain level of thermal quality in a standardized way, e.g., $RCI > 95\%$.
- **Assess Equipment Environments.**
Monitoring of the thermal environment is feasible by placing intake temperature sensors in front of the equipment.
- **Help Product Marketing.**
The RCI demonstrates the benefit of a cooling solution. A product with an RCI near 100% could be marketed as such.

Order Your Disc Today



The Rack Cooling Index (RCI)[®] Software v 1.2 (Windows[®]) is available as single-user and multiple-user licenses. **To purchase the RCI software, please write to RCI@ancis.us**

ANCIS[®]
INCORPORATED

www.ancis.us