

# Emerson Network Power launches world's most efficient data centre cooler in Australia

Australian data centres will soon have access to 30 per cent more cooling power per square metre from their computer room air conditioners (CRAC), thanks to Emerson Network Power's new Liebert PEX precision air cooler.

The new cooler, designed and manufactured by Emerson, is being launched next week at the ARBS (Air Conditioning, Refrigeration and Building Services) Exhibition 2008 in Melbourne. It is the highest kilowatt-per-square-metre precision CRAC in its class, with up to 30 per cent more cooling power per square metre (including service area) than other industry-standard CRACs. It also has one of the smallest kilowatt per square metre footprints in precision air equipment available today.

"Cooling is one of the most important and costly functions of a modern, high-density data centre," says Mark Deguara, National Product Manager, Emerson Network Power Australia. "Up to 50 per cent of the power used in a data centre goes to the infrastructure used to cool down the computer equipment in the facility. The more efficient the cooler, the lower the cost to the data centre, which in large facilities amounts to millions of dollars every year.

"Emerson engineers have long understood that the 'whole footprint' of a CRAC includes the extended footprint defined by operation and service access area requirements," says Deguara. "The new Liebert PEX requires nothing more than direct front access for installation and routine servicing. This means that you can achieve 100 per cent space utilisation around the unit and not suffer dead space caused by service access requirements on the sides and rear. With other units, you will lose valuable floor space for the same kilowatt capacity which means less room for racks and ultimately higher total cost of ownership."

"Today, the data centre is business-critical," says David Scott, Managing Director, Emerson Network Power Australia. "This is driving downtime costs higher, while the resources you have available for critical system management are shrinking. Whether you are implementing VoIP, consolidating servers or simply adding capacity, the reliability and flexibility of your power and cooling infrastructure will determine how well you can control costs and system availability as you manage change."

The Liebert PEX is designed to reliably service the thermal requirements of critical data centre equipment. All major components that require attention over the long life of the unit are positioned for easy and simple access. Other highlight features include:

iCOM - Intelligent Communications and Monitoring - Liebert iCOM provides advanced diagnostic and maintenance support, enabling multiple PeX units to communicate and work together as a team to precisely control temperature and humidity across a room. In addition, the iCOM network provides a choice of teamwork, lead/lag and cascade functions.

Scroll Compressor - Designed to run non-stop 24 hours a day, 365 days a year, the microprocessor-based controls of the PeX intelligently determine the operational requirements of each unit.

Infrared Humidifier - The Infrared Humidifier has been a feature on Liebert environmental control systems for more than 25 years. Its rapid response and cleanliness has made it an industry standard in applications that demand precise, particle-free humidity control.

Other Energy Saving Features - The Liebert PEX also features the following for increased energy efficiency:

- oStatic regain duct
- oControlled dehumidification cycle
- oEC fan options

## About Emerson Network Power

Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling Business Critical Continuity™ from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, monitoring, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians. Learn more about Emerson Network Power products and services at [www.emersonnetworkpower.com.au](http://www.emersonnetworkpower.com.au)

## About Emerson

Emerson (NYSE: EMR), based in St. Louis, is a global leader in bringing technology and engineering together to provide innovative solutions to customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2007 were \$22.6 billion. For more information, visit [www.emerson.com](http://www.emerson.com).

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