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RITTAL LCP PLATFORM OF THE “BLUE E” GENERATION - VERSATILE AND STANDARDISED

Rittal has successfully launched a new cooling system platform based on the Rittal Liquid Cooling Packages (LCP). This way, cooling output is increased, product selection is made easier clearer, service simplified and the need for accessories in storage is reduced. In addition, Rittal has optimised the products' energy efficiency.

The Rittal LCP cooling system platform of the “Blue E” generation is made up of four different climate control systems: the Rittal LCP, the Rittal LCP Inline, the Rittal LCP T3+ and the Rittal LCP LWWT. They all share a common architecture and interchangeable components. For example, all systems can use the same type of ventilator. This means that fewer accessories must be stored. The costs of servicing are also cut: Because service engineers need to deal with fewer versions, maintenance and repair work can be carried out routinely and so faster.

The Rittal LCP models offer an extended power range, from 10 up to 60 kW. They can be scaled in steps from 10 to 20 or to 30 kW, or from 40 to 50 or 60 kW. This is a benefit if heat losses in the enclosure rise, for example, due to the use of additional servers.

The efforts for greater energy efficiency was a high priority of the Rittal LCP developers: All versions have improved fans that consume less electricity. The Rittal LCP LWWT even works without any ventilators at all.

LARGE VARIETY OF MODELS

With the Rittal LCP platform of the “Blue E” generation, despite the standardised construction, completely different customer requirements can be met.

Consumers of high levels of computing power - such as research institutes - generally cause high power losses. That is why they often place special requirements on the climate control system. These are met by the rack-based **Rittal LCP**, which Rittal offers with **30 up to 60 kW**.

It's different with the **Rittal LCP Inline**. It cools all the rows of racks by blowing cold air to the front in the partitioned cold aisle. The LCP Inline is available with an output of 30 and as much as 60 kW.

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

New South Wales 130-140 Parraweena Road Miranda 2228
Canberra 7/23 Brindabella Circuit Brindabella Business Park Canberra Airport 2609
Victoria Cnr Sharps Road & Assembly Drive Tullamarine 3043
Queensland 2/20 Graystone Street Tingalpa 4173
South Australia 106 Hayward Avenue Torrensville 5031
Western Australia 10 Kenhelm Street Balcatta 6021

FRIEDHELM LOH GROUP



The **Rittal LCP T3+** has a similar construction as the Rittal LCP. It ensures higher fail-safe rates, as the cooling water and electrical supply are designed in a redundant manner.

The **Rittal LCP LWWT** - has an output of 20 kW - without using any fans at all. The energy saving version of the Rittal LCP Next Generation has a passive air-water heat exchanger in the rear door of the server enclosure.

The **Rittal LCP DX (Direct Expansion, Direct Evaporation)** is especially suited for smaller applications where space is limited. It uses a refrigerant instead of water. This way, the climate control system can be installed quickly and easily. Time-consuming construction measures are minimised, as the pipework to the external condensing unit can be easily implemented.

The LCP DX is available as a rack-based or row-based version.

COMPANY BACKGROUND

World leader in enclosure and IT infrastructure technology, Rittal continues to expand its product offering with the highest quality, German engineering. Since its inception in Germany in 1961, Rittal has grown from a leading supplier of industrial enclosure and climate control technology to be a provider of complete data centre infrastructure. From racks, power, cooling, remote monitoring and physical security, Rittal is paving the way in data centre technology to create the most energy efficient, secure, future proof data centres on the market.

Rittal Australia & New Zealand has over 100 employees with service and delivery centres in all major main land capital cities (excluding Darwin). Our modification capabilities ensure the perfect fit solution no matter what your application. Rittal Australia & New Zealand is backed by a worldwide team of 10 000 committed staff, 10 production facilities and 63 international subsidiaries.

Rittal is your local global provider of market leading technology.

IMAGES

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