

Rittal – The System.

Faster – better – everywhere.

The Rittal Liquid Cooling Package (LCP)



The latest edition of these Rittal LCP liquid cooling tools offer far more options and muscle when it comes to cooling enclosures in a variety of installations. Originally, Rittal's LCP units offered cooling from 28kW to 30kW but today's new units can be configured to cool 10-20-30-40-50-60kW. And this expanded capacity comes with the added benefit of fitting into the same space-saving footprint – it's scalable and can be retrofit to make existing installations even more efficient. Included here are a series of the most popular sizes and configurations. For complete details on the entire line, go to www.rittal.us.

- Maximum energy efficiency via EC fan technology and IT-based control
- Minimal pressure loss at the air end minimizes power consumption of the fans
- Optimum adaptability with dynamic, continuous control of the cold water volume flow
- Water lines can be attached either at the top or bottom
- Six modular, box-type plug-in fan units provide cooling output that can be adapted to actual requirements
- System is scalable and adjustable by adding fans — for example, from 10kW to 20kW and 20kW to 30kW
- Fans are located in the front of each unit, on the cool side, extending the life of the fans
- The box-type plug-in fan units can be configured as n+1 redundancy
- High water inlet temperatures increase the proportion of indirect free cooling, reducing operating costs
- Reduces energy consumptions and costs by as much as 45%
- Available in open loop, closed loop and hybrid configurations
- Advanced monitoring and SNMP notifications and alarms
- Standard redundant temperature sensor integrated at the air end
- Separation of cooling and rack prevents water from penetrating the enclosure
- Touchscreen display may be retrofitted
- Optional Central Distribution Unit (CDU) efficiently handles water circulation with either 8- or 12-tap versions
- Protection ratings: IP 20 to IEC 60529, UL Listed

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Note: Imperial measurements are approximate, metric measurements are exact.

LCP Rack CW

Part No.	Color	Useful Cooling Capacity BTU/hr (kW)	Design	Dimensions H x W x D inches (mm)	Voltage V, Hz	Cooling Medium
3311.238	RAL 9005 Jet Black	Up to 102364 (30)	Rack-Closed	78.7 x 11.8 x 47.2 (2000 x 300 x 1200)	208 V, 2~, 60Hz 230 V, 1~, 50/60Hz	Water

LCP Rack CW HD

Part No.	Color	Useful Cooling Capacity BTU/hr (kW)	Design	Dimensions H x W x D inches (mm)	Voltage V, Hz	Cooling Medium
3311.268	RAL 9005 Jet Black	Up to 187668 (55)	Rack-Closed	78.7 x 11.8 x 47.2 (2000 x 300 x 1200)	208 V, 2~, 60Hz 230 V, 1~, 50/60Hz	Water

LCP Inline Protruding CW

Part No.	Color	Useful Cooling Capacity BTU/hr (kW)	Design	Dimensions H x W x D inches (mm)	Voltage V, Hz	Cooling Medium
3311.538	RAL 9005 Jet Black	Up to 102364 (30)	Inline Protruding	78.7 x 11.8 x 47.2 (2000 x 300 x 1200)	208 V, 2~, 60Hz 230 V, 1~, 50/60Hz	Water

LCP Inline Protruding CW HD

Part No.	Color	Useful Cooling Capacity BTU/hr (kW)	Design	Dimensions H x W x D inches (mm)	Voltage V, Hz	Cooling Medium
3311.568	RAL 9005 Jet Black	Up to 187668 (55)	Inline Protruding	78.7 x 11.8 x 47.2 (2000 x 300 x 1200)	208 V, 2~, 60Hz 230 V, 1~, 50/60Hz	Water

LCP Inline Flush CW

Part No.	Color	Useful Cooling Capacity BTU/hr (kW)	Design	Dimensions H x W x D inches (mm)	Voltage V, Hz	Cooling Medium
3311.148	RAL 9005 Jet Black	Up to 102364 (30)	Inline Flush	78.7 x 11.8 x 41.3 (2000 x 300 x 1050)	208 V, 2~, 60Hz 230 V, 1~, 50/60Hz	Water
3311.548	RAL 9005 Jet Black	Up to 102364 (30)	Inline Flush	78.7 x 11.8 x 47.2 (2000 x 300 x 1200)	208 V, 2~, 60Hz 230 V, 1~, 50/60Hz	Water

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