

## Liebert CRV™ 30 Row Based Cooling

Intelligent, Integrated Infrastructure for the Data Center

The Liebert CRV 30 chilled water cooling system is a 12 inch (300mm) wide unit that installs within a row of data center equipment racks, providing precision cooling close to the server heat source for efficient and effective operation. It provides 30kW of nominal cooling capacity and filtration to IT spaces by means of five variable speed, individually hot-swappable fans.

### Flexibility

- Nominal 30kW cooling capacity.
- Automatically balances the airflow and cooling capacity independently, based on the needs of the space.
- Liebert iCOM control with six control modes and large graphical display.
- Horizontal airflow cooling design is suitable for non-raised or raised floors.
- 3-way valve; field adjustable to 2-way operation.
- Caster mounted for easy placement.
- Up to 10 racks with 20 temperature sensors per Liebert CRV ensure every rack is monitored (6 sensors for 3 racks included)

### Availability

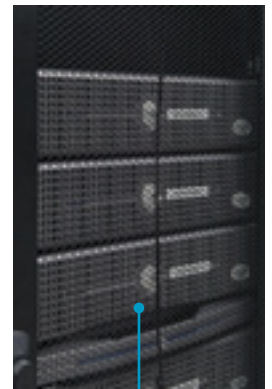
- Wellness monitor alerts users in advance of potential issues.
- System provides cooling and air filtration.
- Optional condensate pump available.

### Lowest Total Cost of Ownership

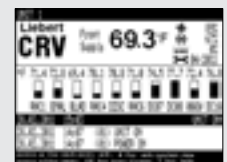
- Compact cabinet with high cooling capacity minimizes floorspace requirements
- Easy to install and maintain – only front and back access required.
- Five variable speed, individually hot-swappable fans operate efficiently and provide long service life.

### Ideally Suited For:

- Rows of racks in hot aisle / cold aisle configuration
- Rack equipment with high heat density, or a mix of densities
- Spot cooling
- Supporting capacity of existing raised floor cooling units
- Rack equipment with high heat density, or a mix of densities



Rack sensors measure temperature and humidity at the server level to ensure the correct amount of cold air is provided to eliminate hot spots.



Liebert iCOM® controls allow multiple cooling units to communicate with each other, allowing them to work together as a team to enhance their performance.

Technical Data	
Nominal Capacity, 50 or 60 Hz	30kW, Chilled water cooled
Input Voltage	208/230 V, 1ph, 60Hz or 230V, 1ph, 50Hz
Fans	Five variable speed, individually hot-swappable EC fans
Options	Condensate pump
Controls	Liebert iCOM control with large graphical display and 20 sensors for up to 10 racks
Communications	Liebert IntelliSlot Web Card: HTTP and SNMP Liebert IntelliSlot 485 Card: RS-485 Modbus Liebert IntelliSlot Building Management Card: Modbus IP / BACnet IP Liebert IntelliSlot SiteLink-E Card: Liebert SiteScan Web 4.0 Protocol Card
Dimensions	Height : 79 in. ( 2000mm) Width: 12 in. (300mm) Depth: 43 in. (1100mm)
Weight	365lb /166kg

## Typical Configurations



By placing Liebert CRV 600mm units at either end of the rows and inserting 300mm wide units throughout, the Liebert iCOM controls ensure that the aisle is evenly pressurized, simulating cold aisle containment.



All Liebert CRV units communicate with each other via unit-to-unit networking to ensure even air distribution and optimized system efficiency.



As rack densities increase, inserting additional cooling units within the row will meet cooling demand.

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