

Liebert® CRV™ Row-Based Cooling

Energy Efficient Precision Cooling For Data Center Equipment

Liebert CRV installs within a row of data center equipment racks, providing precision cooling close to the server heat source for the most efficient and effective operation. The combination of Liebert iCOM controls, digital scroll compressor and EC plug fans ensure reliability and energy efficiency.

Flexibility:

- Available in nominal capacities from 20kW to 40kW.
- Automatically balances the airflow and cooling capacity based on the needs of the space
- Horizontal airflow cooling design is suitable for non-raised or raised floors
- Air, water, glycol, and chilled water systems available.
- Adjustable supply air baffles maximize cooling to rack equipment by directing the airflow leaving the unit towards the servers
- Caster mounted for easy placement.

Availability:

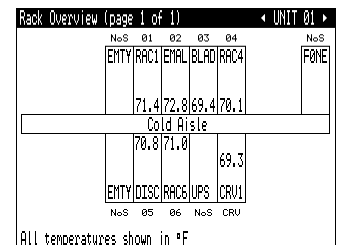
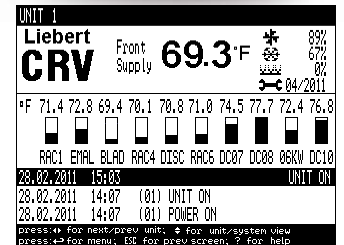
- Wellness monitor alerts users in advance of potential issues.
- System provides complete environmental control – cooling, humidity control and air filtration.

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.
- Digital scroll compressor and variable speed EC fans operate efficiently and provide a long service life.

Ideally Suited For:

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



Rack sensors 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	20 or 35kW, Air cooled 20 or 35kW, Water/Glycol cooled 40kW, Chilled water cooled
Input Voltage	208 V, 3 ph, 60 Hz 460 V, 3 ph, 60 Hz 400 V, 3 ph, 50 Hz
Refrigerant	R410A
Compressor	Digital Scroll, variable capacity 20-100%
Fans	Variable speed EC fans
Options	Electric reheat Humidification Condensate pump
Controls	Liebert iCOM
Communications	Liebert IntelliSlot Web Card: HTTP and SNMP Liebert IntelliSlot 485 Card: RS-485 Modbus
Dimensions	Height : 78.74 in. (2000mm) Width: 23.6 in. (600mm) Depth: 43.3 in. (1100mm)
Weight	Air: 20kW – 744 lbs (337 kg); 35kW – 811 lbs (368 kg) Water/Glycol: 20kW – 778 lbs (353 kg); 35kW – 856 lbs (388 kg) Chilled Water: 40kW – 733 lbs (332 kg)

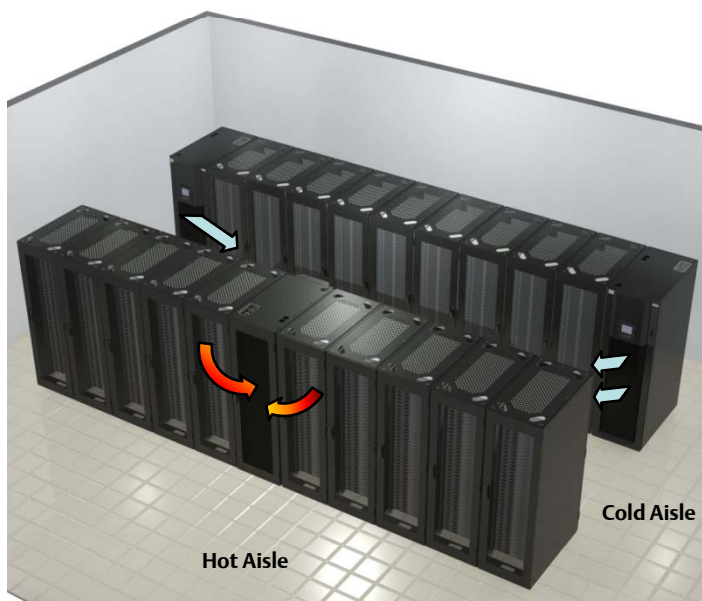
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The adjustable supply air baffles direct air down the aisle toward the servers when installed at the end of a row, and in both directions when installed in between the racks.