

Liebert CRV™ Row Based Cooling

Intelligent, Integrated Infrastructure for the Data Center

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 independently based on the needs of the IT equipment.
- 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 avoiding the need to provide extra air that is lost to the room.
- 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

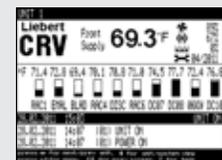
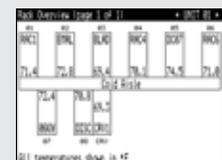
- Compact cabinet with high cooling capacity minimizes floorspace requirements.
- Easy to install and maintain – only front and back access required.
- Digital scroll compressor and variable speed EC fans operate efficiently and provide a long service life.

Ideally Suited For:

- Rows of racks in hot aisle / cold aisle configuration.
- Rack equipment with high heat 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 Dual-float 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: 24 in. (600mm) Depth: 43 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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