

# Liebert® 10kW CRV Row-Based Cooling

Intelligent, Integrated Infrastructure for the Data Center



## Benefits

### Flexibility

- Ability to turn down to as low as 2 kW.
- 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.
- 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.
- Top and bottom piping connections to satisfy varying site requirements.

### Availability

- Alerts users in advance of potential issues via iCOM™ 7" touchscreen display or remote monitoring over BACnet, Modbus, or SNMP protocols.
- Temperature monitoring of up to 10 sensors to mitigate hot spots.
- Equipped with dual power supply for highest cooling availability even during power outages.

*Save space and optimize cooling efficiency in all your edge applications, server rooms, and small data centers with the newest addition to the Liebert® CRV family. It 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.*

### Lowest Total Cost of Ownership

- Compact cabinet with high cooling capacity minimizes floor space requirements.
- Maximized energy efficiency by only providing as much cooling as needed through load matching components
- Easy to install and maintain — only front and back access required.
- Inverter driven 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, in open or closed architecture.
- 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 Table

Model	CRD100	CRD101	CRD102
SKUs	CRD100-0D00A	CRD101-0D00A	CRD102-1D00A
Region	Americas	Americas	Europe, Middle East and Africa
Net Sensible Cooling Capacity	10kW	10kW	10kW
Capacity Modulation	20-100%	20-100%	20-100%
Airflow	1883 SCFM	1883 SCFM	3200 m3/h
Input Voltage	208-230V/1Ph/60Hz	208-230V/3Ph/60Hz	230V/1Ph/50-60Hz
Refrigerant	R410A	R410A	R410A
Compressor	Inverter driven compressor, variable capacity 20-100%		
Fans	Hot swappable, variable speed EC fans		
Options	Condensate Pump Dual Power Supply Air Discharge Baffles	Condensate Pump Dual Power Supply Air Discharge Baffles	Condensate Pump Dual Power Supply Air Discharge Baffles Electric Reheat
Filtration	Merv8/G4	Merv8/G4	Merv8/G4
Approvals	UL	UL	CE
Dimensions (H x D x W) mm	2000/2267** x 1132/1232** x 300		
Dimensions (H x D x W) in	78.7/86.6** x 44.6/48.5** x 11.8		
Weight	231kg / 509 lbs	231kg / 509 lbs	231kg / 509 lbs

\* Return air 29.4°C (85°F), 32% RH & 35°C (95°F) Outdoor temperature

\*\* with optional frame extensions

## Controls and Communications

Controls	Liebert® iCOM™ control with 7" color touch screen display and up to 10 remote sensors per unit
Communications	HTTP and SNMP, RS-485 Modbus, Modbus IP/BACnet IP

## Condenser matchup table

	CCD100S-00A	CCD100S-00A	CCD101S-00A
Up to 45°C (113F) Ambient temperature			
Dimensions (W x D x H) without legs	1300x450x745mm / 51.2x17.7x29.3 inch		
Condenser Leg Height	454mm / 17.9inch		
Weight	56kg / 123lbs		

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