

Liebert® CRV Row-Based Cooling

Direct Expansion (DX) Cooling Unit 11 - 20 kW

The Liebert® CRV Combines the Best Footprint Capacity with the Highest Efficiency

- High Efficiency at Full and Partial Load
- Designed to Deliver the Highest Availability
- Industry's Most Advanced Control and Performance Optimization
- Comprehensive Row-Based Solution
- Backed by the Industry's Best Service and Support



11 - 20 kW Liebert® CRV

High Efficiency at Full and Partial Load

- Moving cooling closer to the source
- Field-adjustable air baffles - directing air where needed
- Full airflow and capacity modulation to match the server load and to save energy via:
 - DC Inverter Scroll Compressor
 - Electronic Expansion Valve
 - Variable Speed EC Fans



Liebert® CRV iCOM® Control

Designed to Deliver the Highest Availability

- Real-time environmental control through rack sensors
- Automatic performance optimization with iCOM® Control and teamwork modes
- Up to date information on operational status via unit monitor

Industry's Most Advanced Control & Performance Optimization

- Temperature and humidity control
- Six different control modes for greater flexibility
- Controls up to 20 rack sensors to ensure the correct amount of cold air is provided

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Comprehensive Row-Based Solution

- Humidifier and electric reheat for precise temperature and humidity control
- High filtration grade F5 filter with clogged filter switch
- Condensate pump
- Automatic transfer switch
- Advanced monitoring features through Intellislot Cards

Backed by the Industry's Best Service and Support

- LIFE™ Remote Diagnostic and Preventive Monitoring Services
- Fast and easy installation with casters
- Top and bottom piping and electrical connections as standard
- All components easily accessible from the front for simplified maintenance and service
- Service delivered through factory trained technicians
- 24/7 technical support



Locations

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Technical Data	CR011RA	CR021RA
Net Sensible Cooling Capacity*	11 kW	20 kW
Version	Air Cooled	Air Cooled
Input Voltage	230 V, 1phase, 50 Hz	400 V, 3 phase, 50 Hz
Refrigerant	R410A	R410A
Compressor	DC Inverter, Scroll	DC Inverter, Scroll
Controls	iCOM® Control with large graphic display and 20 sensors for up to 10 racks	
Communications	HTTP, SNMP, RS-485 Modbus, Modbus IP/BACnet IP, Liebert Site Scan® Web 4.0	

*Return air Temperature 37°C, 24% Relative Humidity (RH), Condensing Temperature 45°C

Dimensions		
Height	2000 mm	2000 mm
Width	300 mm	300 mm
Depth	1100 mm	1100 mm

Suitable Condenser		
Up to 46°C Ambient Temperature	HCR43	HCR59

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