

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.

High
Efficiency and
Best Footprint
Capacity



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.



Designed to Deliver the Highest Availability

- Real-time environmental control through rack sensors
- Automatic performance optimization with Vertiv™ 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.



Liebert CRV Vertiv ICOM Control

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

- Vertiv™ LIFE™ Services 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.



Technical Specifications

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	Vertiv ICOM™ Control with large graphic display and 20 sensors for up to 10 racks	
Communications	HTTP, SNMP, RS-485 Modbus, Modbus IP/BACnet IP, Vertiv SiteScan® 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