



VERTIV™



PRASA®

Vertiv™ Liebert® SRC-G

3 kW to 11 kW

Thermal Management Solution
for Small Equipment Rooms



About Vertiv™

Vertiv brings together hardware, software, analytic and ongoing services to ensure its customers’ vital applications run continuously, perform optimally and grow with their business needs. Vertiv solves the most important challenges facing today’s data centers, communication networks and commercial and industrial facilities with a portfolio of power, cooling, and IT infrastructure solutions and services that extends from the cloud to the edge of the network. Headquartered in Columbus, Ohio, USA, Vertiv employs around 20,000 people and does business in more than 130 countries. For more information, and for the latest news and content from Vertiv, visit [Vertiv.com](https://www.vertiv.com).

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Small Equipment Room Cooling - Needs & Concerns

In recent times, technological innovations have enabled world-wide connectivity to become a major catalyst for the growth of businesses. This has led to businesses heavily relying on their support systems to ensure their core applications are always performing efficiently.

However, most of the businesses are unaware that the equipment / processes that support their operations also need a conducive environment to operate at their best efficiency all the time.

RIGHT TO KNOW

- Maintaining a comfortable environment for machines is far more different than for human beings.
- Machines & processing equipment constantly release 100% dry heat during their operational time.
- Unlike humans, equipment requires 24x7x365 continuous cooling even during soaring outdoor temperatures of up to 45 °C.

Green & Energy Efficient
Systems that save huge on power bills

Cooling solution must be **self-managed** assist in troubleshooting



Thermal Management system that is designed to **operate 24x7x365**

Thermal Management solutions must have **low TCO** to facilitate **faster ROI**

An Innovative Cooling Solution For Equipment Rooms

Liebert® SRC-G delivers highest uptime, efficiency to small critical infrastructure with 'zero' indoor footprint. It is designed for round the year thermal management control of IT, industrial, Banking, etc. applications.

Liebert® SRC-G Variants:

Air Cooled 3 kW to 11 kW

The wall mounted thermal management solution for small critical rooms where uninterruptible (24x7) cooling is prime focus.



It's About Choosing The Right Cooling Systems For Your Equipment Room Applications



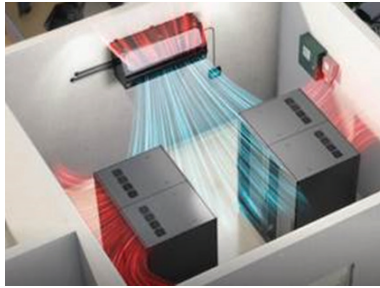
ADVANCED CONTROLLER

- Sequencing up to 8 units
- Monitoring & alarm generation
- Auto-startup on power failure
- Remote monitoring feature



HIGHEST EFFICIENCY

- Efficient compressor
- High efficiency EC fan with high airflow (> 255 CMH/kW)
- Advanced coil design delivering high SHR > 0.9



HIGH AMBIENT OPERATION

- Sustain up to 48 °C outdoor temperature
- Hydrophilic coated coil
- Metallic construction



EASY MAINTENANCE & SERVICE

- Self diagnostic feature
- Ease internal access to parts
- 24hours call center
- Global presence with experienced personnel

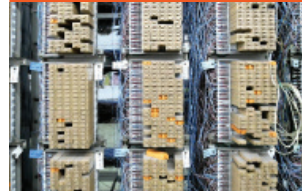
Rack Room



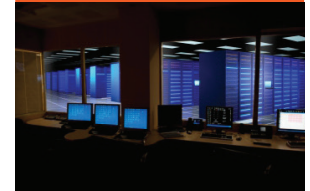
Network Room



Switch Room



Control Room



UPS Room



Battery Room



ATM Room



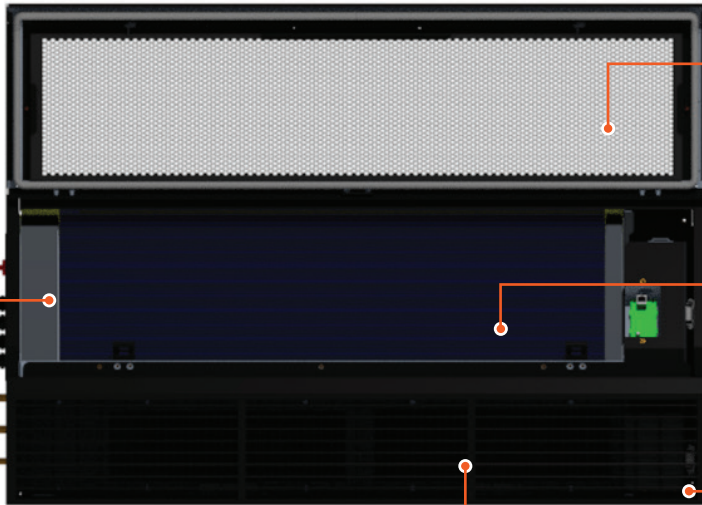
HUB Room



And Many More Equipment Room Applications.

Supreme System Architecture

Indoor Unit



AIR FILTER



- G4 rated filters
- HDPE Media
- Large filtration area
- Washable

COOLING COIL



- High SHR > 0.9 with large surface area
- Internally grooved Copper tubed coil with aluminum fins

EXPANSION VALVE



- Tight control on the evaporating temperature
- Handling higher refrigerant flow rates

EC FANS



- High efficiency
- Step-less speed modulation
- Lowest power consumed
- Four directional airflow

CONTROLLER

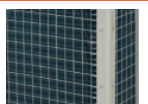


- Latest technology advanced monitoring & control
- Auto-sequencing, alarm generation
- Remote monitoring features
- Corded Remote control
- Self Diagnostic capabilities

Outdoor Unit



CONDENSER COIL



- Large surface area
- Hydrophilic coating
- Sustains outside temperature up to 48 °C

COMPRESSOR



- High efficiency
- Compressor
- Energy Efficient refrigerant (R410A) refrigerant
- Quick response to fluctuating loads

Designed with Features That Provide Unparalleled Benefits



BEST-IN-CLASS CONTROLLER

- Auto Standby Restart
- Cooling Load Sharing
- Access Control
- Remote Monitoring

- Advanced monitoring and control system specifically designed for technology room applications
- Best-in-industry operational logic helps to quickly achieve accurate room set-point conditions
- Remote monitoring capabilities via BMS helps to facilitate unmanned operations and quickly address the critical warnings and alarms
- Self diagnostic feature assists the servicing/maintenance process and drastically reduces the response time
- Authenticated access to the controls with a password protection helps to restrict unauthorized access and unwanted tampering with the system operations

COOLING UNIT

- Specifically designed for 24x7 operation to enable functioning of equipment / processes that support core business applications
- Industrial grade powder coated metallic body construction for high durability and fire proof operation
- Large surface area hydrophilic coated cooling coil made of copper with aluminum fins designed for a high SHR > 0.9 which is best suited for dry heat applications
- EC fans with high airflow rate that can optimum power consumption by regulating the speed based on loading conditions
- G4/MERV8, a high efficiency filter (ASHRAE) ensures the cooling environment is free of dust and dirt



CONDENSING UNIT

- Robust Scroll/Rotary compressor which is highly efficient and quickly adapts to changes in the cooling environment
- Large surface area condenser coil designed to sustain ambient temperatures up to 48 °C which enables continuous operation during hot weather
- Industrial grade aluminum body construction designed to withstand horrid outdoor conditions
- Axial Condenser fans made of aluminum for durability and longer life
- It uses R410A, an energy efficient refrigerant



Technical Specifications

Parameters	Models			
	SRC03GES	SRC07GES	SRC07GET	SRC11GET
Net Cooling Capacity* (Watt)	3000	7000	7000	11000
Net Sensible Cooling Capacity (Watt)	2700	6750	6750	9950
Sensible Heat Ratio (SHR)	> 0.9			
Airflow (CMH)	934.5	1954	1954	2805
Unit Power Supply	220 V, 1 Ph, 50 Hz	220 V, 1 Ph, 50 Hz	380 V, 3 Ph, 50 Hz	
Evaporator Coil Type	Hydrophilic Coated Fin-tube			
Condenser Coil Type	Air Cooled; Hydrophilic Coated Fin-tube			
Refrigerant	R410A			
Compressor Type	Rotary	Scroll	Scroll	Scroll
Air Filter Type	Standard G4			
Dimensions (WxDxH)				
Indoor Unit (mm)	618 x 232 x 490	1028 x 232 x 490	1028 x 232 x 490	1400 X 355 X 490
Outdoor Unit (mm)	970 x 410 x 800	970 x 410 x 800	970 x 410 x 800	970 X 410 X 1170
Operation Weights				
Indoor Unit (kg)	40	50	50	60
Outdoor Unit (kg)	70	85	85	95
Communication Protocol	SNMP			

* The Net Cooling Capacity of Liebert SRC-G series is calculated at 24 °C DB / 50% RH and outside ambient 35 °C.

** Entire SRC-G series mentioned in the above table are CE certified.



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