

Vertiv™ Liebert® iCOM™ CWM

The Advanced Chilled Water Plant Manager Control



Features

- Units teamwork
- Energy efficiency optimization
- Variable and constant flow management
- Dynamic Water Control Logic
- Emergency scenario
- Silent mode

**CAN CONTROL UP TO
16 CHILLERS &
32 INDOOR CHILLED
WATER UNITS**

**FULLY REDUNDANT
CONTROL, ALWAYS ACTIVE
EVEN DURING A POWER
FAILURE**

Liebert® iCOM™ CWM - Cooling Is Nothing Without Control

Liebert iCOM CWM is the advanced chilled water cooling plant manager specifically designed for an efficient and reliable thermal management of data centers. It allows for the full coordination of chillers and indoor chilled water units to optimize the entire system operation.



Liebert® iCOM™ CWM: The Features You Need for the Reliability of Your Data Center

- Chiller Teamwork optimization both in constant and variable flow, with chilled water plant controlled by ΔT or Δp systems
- Extended freecooling operation and maximized efficiency ensured by the new optimization algorithm that continuously coordinates the indoor unit behaviour and the chiller set point and waterflow
- Backward compatibility with Vertiv Thermal Management units
- Collects information from all connected units evaluating the power usage, cooling capacity and energy consumption as well as alarms and warnings
- Possible implementation of an emergency scenario management to grant the highest levels of reliability under any operating condition based on the system configuration
- Silent mode operation available to reduce noise emissions

Easy to Install and Highly Configurable to Meet Each Specific Data Center Need

- Plug and play product, easy to be installed and ready to be connected
- Integration with external customer BMS as standard: Modbus and BACnet over IP
- Very large 15" touch screen display, for an engaging user experience
- Configurable with a redundant module to grant the highest reliability even in case of power outage. The 2N redundancy avoids any single point of failure

Vertiv’s Enlarged Portfolio for a State-of-the-Art Chilled Water System



Different Vertiv Units Connected by a Single Brain

- Liebert® iCOM CWM can control up to 16 Chillers and 32 indoor chilled water units belonging to the same system
- Can control all the main types of chiller compressors (scroll, screw and oil-free centrifugal) and is also compatible with all types of refrigerant from the traditional R410A, R134a, R513A to the new HFO low GWP R1234ze
- Compatible with all indoor chilled water units: thermal wall, perimeter and in-row solutions
- Possibility to introduce sub-groups of units to fit the real configuration of your data center design.



Technical Features

Liebert iCOM CWM

| | | | |
|-------------------|--------------|--------------------|------|
| General | Power supply | 230V / 50Hz / 1 ph | |
| | Power input | kW | 100 |
| | IP rate | 65 | |
| Dimensions | W - Width | mm | 800 |
| | D - Depth | mm | 320 |
| | H - Height | mm | 1000 |