

BENEFITS

Greater Flexibility

Multiple connection options provide greater flexibility during installation and commissioning. Right side and left side access for supply and return piping connections reduce the amount of floor space used by enabling units to be situated closer together.

Greater Capacity Per Square Foot

The Liebert CW 340 and 440 units provide larger capacity building blocks that reduce the amount of floor space needed for cooling equipment.

- 340 – 440 kW (75°F RA 50°F / 62°F EWT / LWT)
- Up to 750 kW at higher RA temps
- 45,000 – 60,000 CFM



Liebert CW 440kW

Introducing the Liebert® CW™ System 340kW and 440kW Units

The Liebert CW solution is the world's most innovative and efficient chilled water system, delivering the highest protection, efficiency and design flexibility with the lowest cost of deployment.

The new units in 340kW and 440kW capacities significantly reduce the cost of deployment and maintenance and improve energy efficiency through an optimized chilled water coil design that can utilize higher entering water temperature (EWT).

Lower Cost Deployment & Energy Savings (5MW Data Center)

Using Traditional 180kW Chilled Water Systems



Using Liebert CW 440kW



	USING TRADITIONAL 180 kW CHILLED WATER SYSTEMS	USING Liebert CW SYSTEM 440 kW UNITS	SAVINGS FROM 440kW UNITS
Unit Quantity	26	10	62%
Installation and Startup	\$13,000	\$5,000	\$8,000
Annual Maintenance	\$39,000	\$15,000	\$24,000
Annual Energy	\$600,000	\$442,000	26%
Footprint	1,035	741	29%

Assumptions:

Installation and Start-up Time: 5 hours/unit

Labor Costs: \$100/hour

Annual Maintenance: \$1500/unit



World's Highest Protection and Efficiency

The Liebert® CW™ system combines the latest innovations in coil, valve and controls technologies for optimal protection and efficiency.

Simple Deployment Through Advanced Design

- Capacities from 26kW to 440kW
- Flexible piping connections
- Automated staging
- Fan deployment

Uptime and Reliability

- Proven - industry's most widely used data center chilled water system
- Quality construction
- Industry-leading service and support

Liebert ICOM™ Controls for Protection, Efficiency and Insight

- World's most advanced controls
- Monitors 380 unit and component data points
- Fail-safe teamwork mode:
 - Automated cascade
 - Fan speed coordination
- Optional valve auto-tuning
 - Remove complexity from unit setup & tuning
 - 15% increase in efficiency
 - 0% increase in valve life
- Intuitive, touchscreen interface

LIEBERT CW FEATURE	BENEFIT
Optimized Coil	Utilize higher entering water temperature to save energy
Liebert iCOM Controls	Intelligence for optimized operation and up to 50% higher efficiency
Control Valves with Optional Auto-tuning	Precise flow control at less cost
Liebert EC Fans	Variable speed fans for up to 20% higher efficiency



Liebert iCOM Control



Liebert iCOM-S

