

Can Legacy Data Centers adopt Cooling Technology solution?

There are many reasons to want to get more from an existing data center, such as increasing revenue stream, removing hot spots, offering customers greater flexibility, or simply increasing the life cycle of the data center; the Usystems RDHx solution provides exactly that, and is the only truly retrofittable solution capable of achieving and overcoming restrictive issues within legacy data centers

- Usystems RDHx's are fully retrofittable onto any OEM Rack
- RDHx's can use the return water from the existing perimeter room cooling and chiller system
- RDHx's can be top and bottom fed as standard
- RDHx's do not affect baying racks on either side
- Full rear access to rack
- RDHx's are the only retrofittable solution capable of achieving all the restrictive issues within legacy data centers

For more details click here: [\(sales brochure\) link](#)



CL21
up to 29KW
cooling capacity

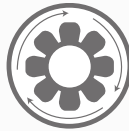


CL20
up to 93KW of
cooling capacity



CL23
up to 200KW of
cooling capacity

Savings and Benefits



Operational Efficiencies

- Increase hardware lifespan by removing hot spots
- Operates above dew point, no condensation management required with maintained humidity levels
- Rapid ROI and lower cost of ownership
- Vast reduction on Smart Hands Requests (service tickets)
- Increase computing capacity
- Save CapEx on building costs



Simplicity by Design

- Plug and Play
- Versatile deployment
- No Supplementary cooling
- Adaptive intelligence
- No specialist hardware or infrastructure
- Controls the whole room temperature
- Fast-track Data Center Planning and Deployment Strategy



Modular & Retrofittable

- Scalable
- Rapid Deployment
- Suitable for both legacy or new build environments
- Future-proofing
- Removal of raised floors and aisle containment
- Compatible with both warm and cold water supply

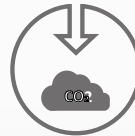
Energy



Up To 93% Energy Savings

- Energy Efficiency Ratio (EER) of over 100 at maximum capacity
- Average 15% reclaimed power for Compute by comparison to traditional cooling
- Potential Cooling PUE available of 1.035
- 3.5% RDC Power to Cool 100% Heat Load vs 38% traditional methods

Carbon



Reduction of CO2e up to 99%

- Isolating Global Warming Potential (GWP) gasses to one centralised area
- Reducing the volume of GWP gas significantly
- Over 50,000 trees worth of carbon saved per 1mW RDC deployment.

Real Estate



95% space saving of cooling white space for an equivalent deployment

- No need for supplementary Cooling.
- No area taken in the white space for coolant distribution

Water



Up to 100% water saving

- Higher water temperatures reduce the need for mechanical cooling, whilst maintaining ASHRAE A1 temperatures