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Kelvion

Removing heat directly at the source

Rack-level cooling significantly increases thermal efficiency

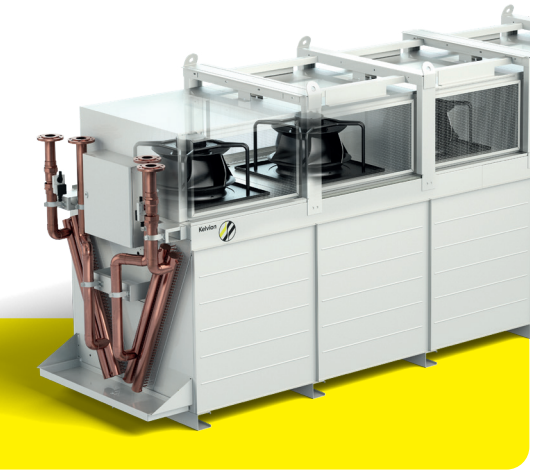
No suspended ceiling needed

BETTER SERVICE THAN SORRY

Our Service Portfolio

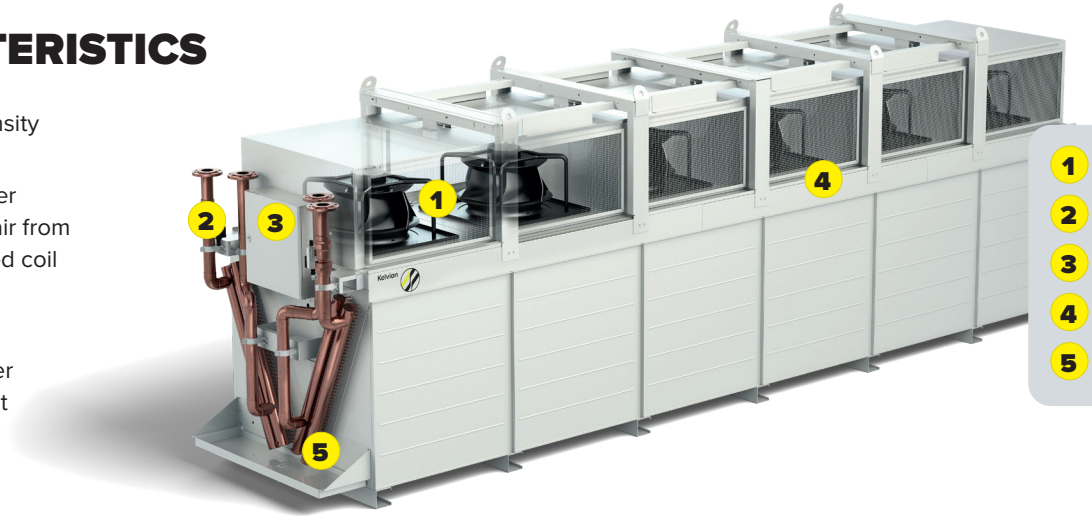
Rack-level cooling for high-density IT racks

AIRACK COOLER | HOT AISLE CONTAINMENT COOLING



BASE CHARACTERISTICS

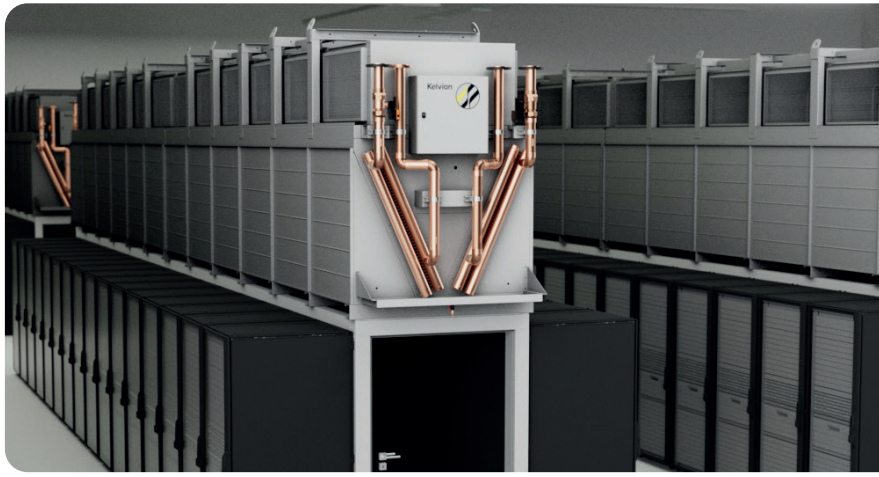
- Rack-level cooling for high-density IT racks in white space
- Rack-top chilled-water air cooler (CRAH concept): warm return air from servers passes through a finned coil
- EC fans deliver conditioned air to the rack intake / cold aisle
- Modulating valve controls water flow to meet supply air setpoint
- Modular per-rack deployment



1. EC Centrifugal Fans
2. Control Valve
3. PLC Controller
4. Sensors
5. Drip Tray

MARKETS

Data Center

THERMAL PERFORMANCE

Nominal Heat Duty:	max. 250 - 450 kW
Maximum Heat Duty:	500 kW
Design Approach:	2 - 5K
Media temperature – inlet (EWT):	20 - 24 °C
Media temperature – outlet (LWT):	35 - 40 °C