

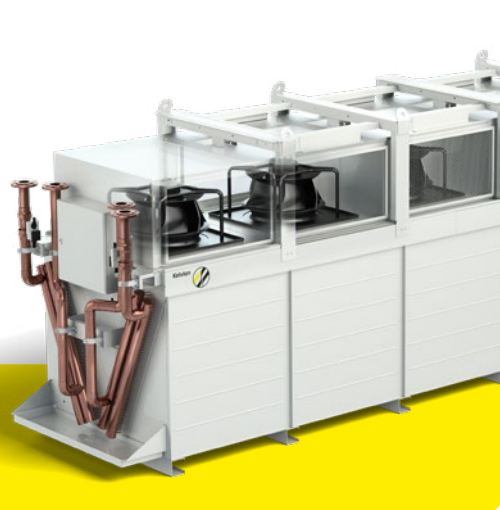
Removing heat directly
at the source

Rack-level cooling
significantly increases
thermal efficiency

No suspended ceiling
needed

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

