

Technical Data Rear Cool Rack Doors



SKU

REARCOOL-RACK ACTIVE
DOOR DATA

Produkt Verfügbarkeit

Breite/width

Tiefe/depth

Höhe/height

2000

HE/U

42

kW

20

The RearCool-Rack is more than a directly cooled server cabinet. The RearCool-Rack also cools the data center room. The cooling principle is very simple and extremely efficient. Servers suck in air at the front and blow out the air heated to 35 ° -50 ° C at the rear through the ThinTube Technology cooling register built into the rear door with high air permeability and flat design (D = 7 cm). The highly efficient cooling process blows neutrally cool air with a temperature of approx. 23 ° C into the data center room.

The efficiency lies in the fact that the process heat of the servers and other IT hardware is absorbed where it originates and is cooled down directly to room temperature. Cool air is returned to the data center room from the RearCool rack. The outlet temperature from the RearCool-Rack is approx. 23 ° C. That makes the RearCool-Rack not only a directly cooled server cabinet for high heat loads (for high-performance computing, high packing densities) but also an efficient method to keep the temperature in the data center moderate.

Another plus: The RearCool racks work without condensation because high water supply temperatures of 14-18 ° C can be used. This means that cooling can be switched to free cooling from an outside temperature of 16 ° C. This makes the RearCool racks the most economical and energy-efficient cooling solution for data centers currently on the market.