

Cooling solutions for Datacenters from M Ruddy & Co

M Ruddy & Co has introduced a new cooling solution the **CoolRack**.

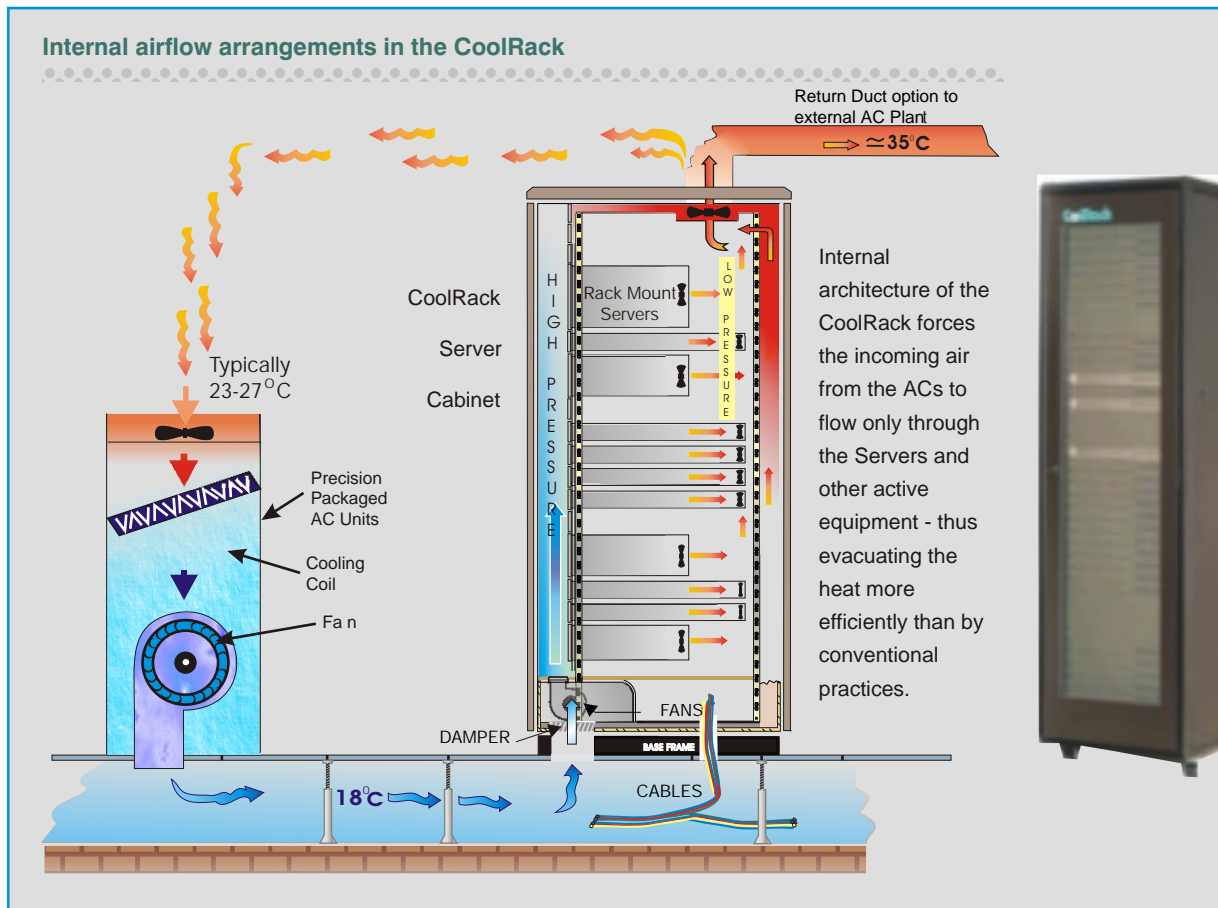
This is a fully configured enclosure which embodies a new concept in Thermal Management - one that is specifically tailored to the requirements of Datacentres. Organisations setting up datacentres today are faced with the need to house anywhere between 20 - 40 rackmount servers in a single cabinet. This equipment density is driven by the enormous cost of creating the infrastructure demanded at typical managed datacentres, and the consequent need to minimize the floor space utilized for multiple cabinets. Most high power servers being used today generate tremendous amounts of heat. And although the conventional precision air conditioning systems in use maintain room temperatures as low as 18-20 degree C, there is not much effective cooling inside the cabinets due to poor air circulation, or even cross circulation where the warm air from the cabinet exhaust gets mixed with the cool incoming air from the AC system.

The **CoolRack** concept addresses just this anomaly and ensures that your mission critical equipment not only runs cool but also more reliably, and with an increased MTBF. Besides, there is a significant saving in terms of operational energy costs, as well as capital expenditure on the AC plant itself.



Benefits of the CoolRack solution

- Ability to house more Servers in a Cabinet.....Upto 40 in a 42U cabinet
- Equipment runs cooler - therefore more reliably.....MTBF is increased
- Optimal use of the AC plant capacityless capacity needed
- Initial costs for Air Conditioning plant reduced
- Running costs for electrical energy reduced



Inside the CoolRack

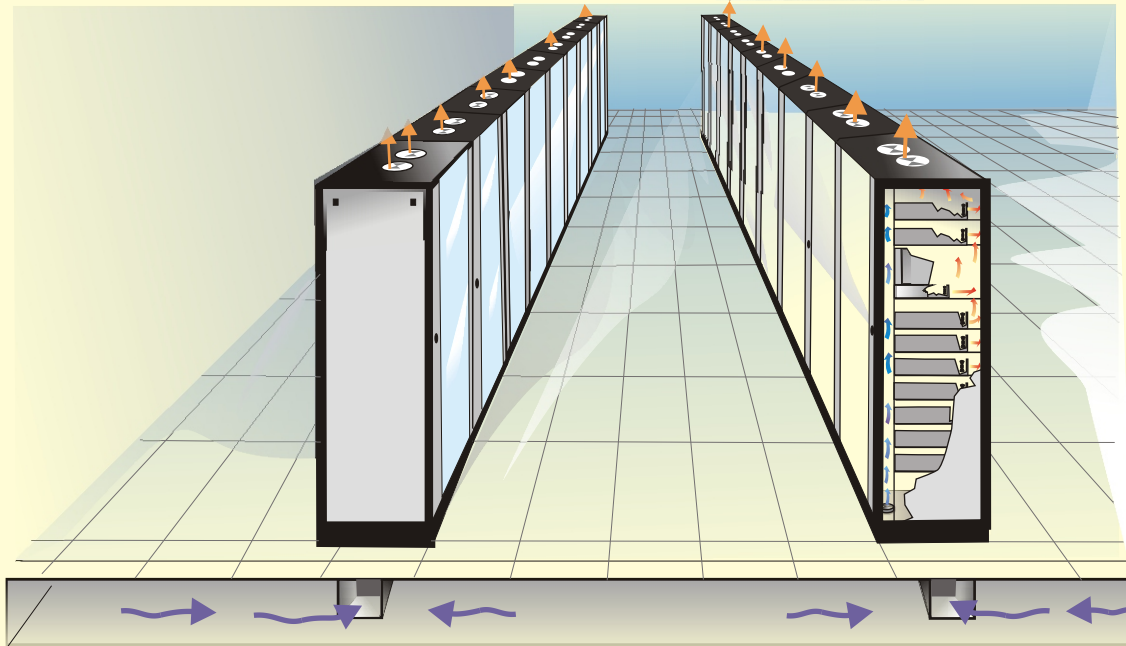


Accessories include vertical Cable Manager and AC Power Channel with high-reliability universal IEC Sockets.

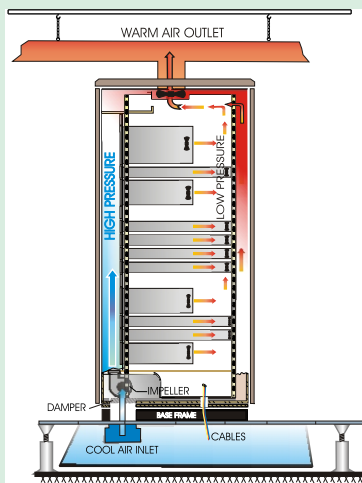
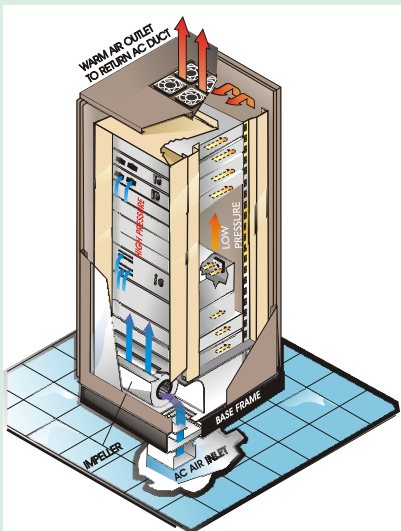
Cable entry provision is available at the top.



Fans shown mounted directly on the Rear Door so as to create a front-to-back air flow.



Presidents CoolRack



Side view showing the internal airflow paths.

CoolRack

the route to

-Increased MTBF
-Savings in investment and operating costs