

THERMAL SOLUTIONS[™]

CoolRack



President's **CoolRack** is an innovative enclosure that can address heat loads up to 5 KW. Using the concept of focused Cooling, the CoolRack allows cool air to enter the rack front through the raised datacenter flooring. A high-pressure cool air chamber is created between the front faces of the servers and the front glass door of the rack. All the side openings of the rack in the front are sealed to prevent any air leakages, thereby forcing the cold air through the servers. The exhaust hot air is then taken out of the rack through a rear perforated door into the Hot Aisle.

Features & Benefits:

- Ability to house more server in a cabinet...right upto 42 U
- Equipment runs cooler therefore more reliabilityMTBF is increased
- Optimal use of CRAC with maximum utilization of cold air
- Saving in CRAC running Cost.

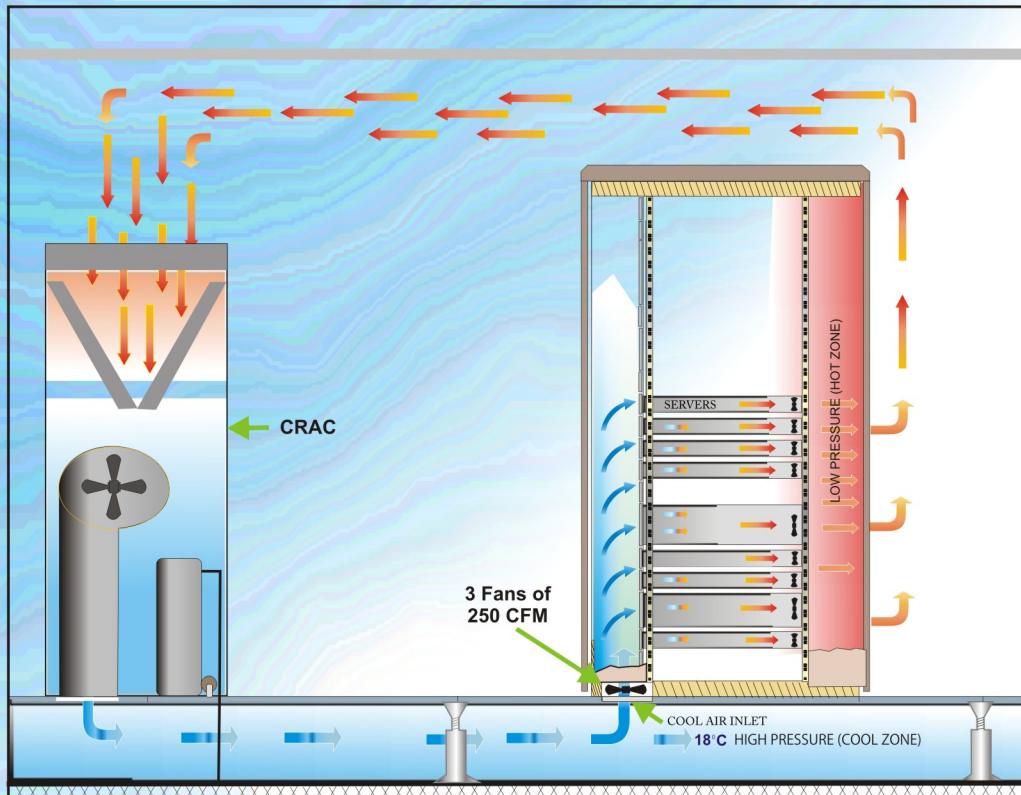


CoolRack- Front view with glass door



Bottom fan assembly for *CoolRack*

INTERNAL AIRFLOW ARRANGEMENT IN COOLRACK



Side view showing the internal airflow paths.

Basic Requirement

- This solution requires a raised access floor
- Operates along with CRAC

Specifications:

DESCRIPTION	UNIT	DETAILS
Cooling Capacity	kW	5
Fan		
Type of Fan		Axial
No Of Fan	No	3
Air Flow	CFM	750
Air Throw		Bottom Suck
Electrical		
Input Voltage	V	230
Rated Current Per Fan	Amp	250
Input Power Per Fan	Watts	40
Speed	RPM	2600
Physical		
Maximum Unit Height	U	42
Maximum Unit Width	mm	600
Maximum Unit Depth	mm	1200
Unit Colour		Black
Weght Carrying Capacity	kg	500