



iRack Block

**PASSION
OF INNOVATE**

www.netrackindia.com



Overview

iRack Block a Self Cooled, Self Powered & Self Contained Rack. Trend towards having Intelligent Infra Capsules/Modular Data Centres on Premises at Banking & Insurance Sector, Warehouses, Manufacturing sector & Educational Institutions made the Rack manufactures to think on concept of iRack Block. Thanks to Technology which made the concept a reality today.

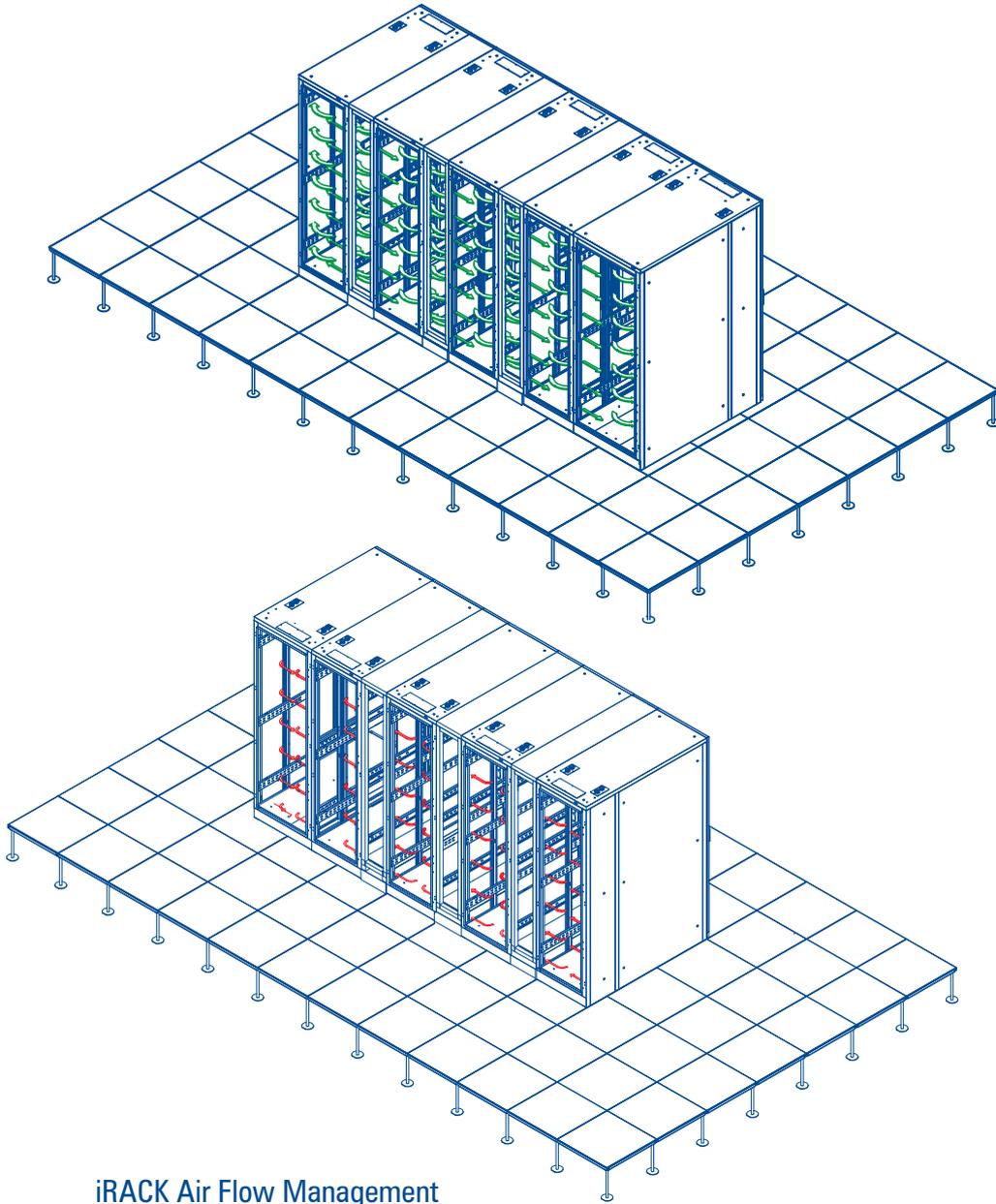
The Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001 | ISO 14001 | ISO 27001 | ISO 45001 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded ultra rigid frame with 4 No. Pillars of 14 Gauge steel sheet 6 folded profile welded to top and bottom ribbed/reinforced frame additionally supported depth wise by welding 6 No. depth rail 4 folded 75mm 16 Gauge profile. Front Glass door with lock & key and Back Metal door with lock & key and Plain dual side panels. Free standing on plinth.

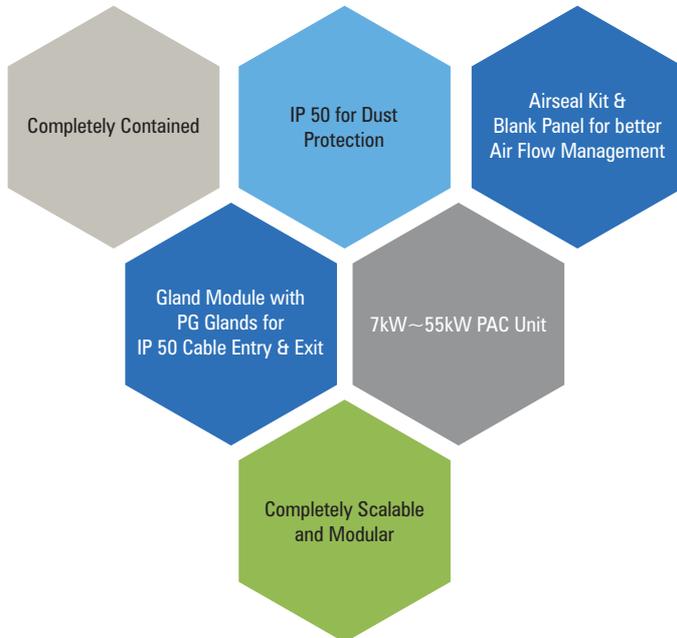
To Complete intelligence in iRack Block NetRack integrate a PAC Unit, UPS & Battery bank, Intelligent PDU for Power, Surveillance & Environmental management, KVM & Console for server management, Intelligent Rack access for physical security will complete full fledged iRack Block Configuration..

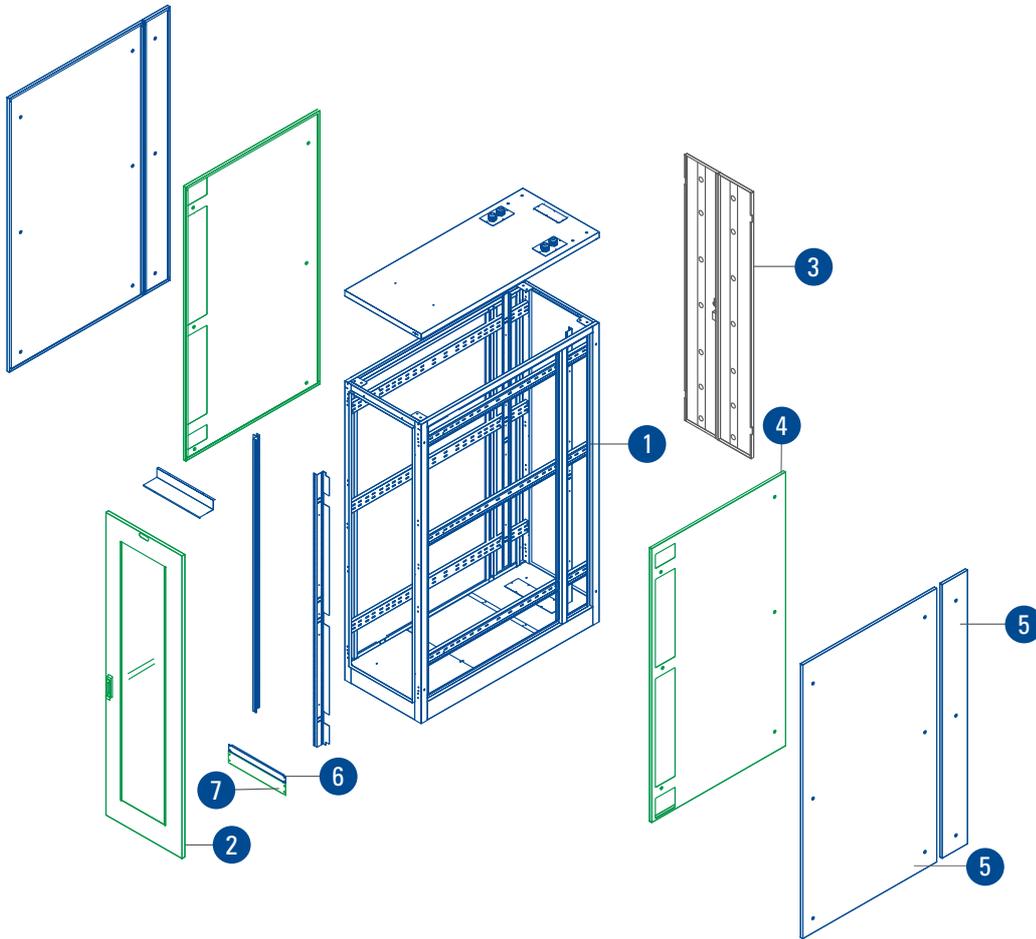
iRack Block is equipped with Air-seal Kit, Blanking panels, Gland Plate Modules for complete Airflow management.



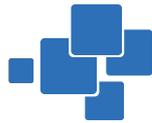


iRACK Air Flow Management





1. Rack Frame
2. Glass Door
3. Metal Door
4. Single Side Panel
5. Dual Side Panels
6. Blank Panel 1U
7. Blank Panel 2U



FASTER DEPLOYMENT
8 ~ 12 WEEKS

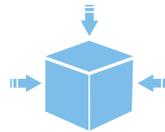
INDUSTRY BEST PRACTICES
Infrastructure Design and Operation



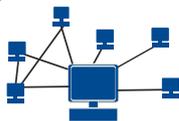
EASY TO START AND RUN
IN REMOTE LOCATIONS

upto
95 % efficient

HIGH EFFICIENCY WITH
SMALLEST FOOTPRINT



SAVINGS ON
REAL ESTATE PRICES



PLUG & PLAY CONCEPT



COMPLETELY SCALABLE
AND EASILY EXPANDABLE

saves upto
30 % energy
HIGHER PUE



Infrastructure Challenges

Compliance & Certifications

Efficiency & PUE Challenges

Flexibility and Scalability

Infrastructure Build Time

Security Issues and Compliances

Foot print Reductions

Facility Challenges

Power & Energy Management

Maintaining the PUE & Efficiency

Thermal Management

Infrastructure Management

Technical Data

Rack Load Capacity	1500 Kg
Rack U Space	42U
Rack Dimension	2100 X 600 X 1450
Cooling Capacity	7kW ~ 55kW
Rack Access Control	Available
Camera Based Surveillance	Available
Intelligent PDU	Available
Intelligent Climate Monitoring	Available
Analogue / Digital KVM	Available
Intelligent Asset Management	Available



Compressor Placed on External Motocondenser

- Reduced maintenace & potential gas leaks inside the DC (very critical issue for DC managers)
- Indoor unit increased coil & capacity (because no compressor to be placed inside)
- Thus reduce dimensions into indoor unit (only 300 mm x 1000mm for 33 kW)

Easy Installation:

- Avoided "height issue" in installation between indoor and outdoor
- OIL separator x STANDARD installed

Technical Data	
PAC Dimension	2100 X 300 X 1450
Refrigerant	R410A
Primary Circuit Type	Direct Expansion Air Cooled
Number Of Circuit	One
Humidifier	Available
Heater	Available
Compressor	Rotary



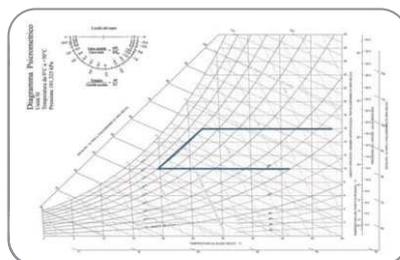
Main Features

FULL INVERTER technology on DX version R410a On compressor DC type, fans EC type and EEV



EC Fans "hot swappable"

Full frontal access with possible of broken fans removal even with unit in ON



"IDM" Algorithm for Dew Point Control (opz)

By adding T+H sensor the unit control the air discharge (°C + %) in order to have ZERO CONDENSATION thus granting SHR = 1