NETRACK
ENCLOSURES

STORE | SECURE | STREAMLINE | SYSTEMISE

Product Catalogue

— Version 2016 - 001 —

About NetRack

The advent of computers heralded the birth of many industries in support of it. The rapid growth and advancement in technology that is being witnessed every day necessitates the setting up of data centers with associated paraphernalia of storage systems, networking and telecommunications to handle voluminous data that is threatening to grow exponentially by the minute snowballing into an avalanche.

All this comes with a heavy price tag of increased complexity in setting up and maintenance of the same. There are many constraints and challenges faced by industries today.

The complexities include dealing with copious amounts of cables that connect various components to achieve synchronicity amidst the chaos. The vital components like huge servers and storage systems need to be organized and well accommodated within the given space. As these electronic components consume huge power, they are also subjected to over heating and thus the need arises for cooling systems.

Most importantly security has always been a major concern and issue. As these systems store sensitive data which cannot be compromised, the need for their protection and denial of unauthorized access was of paramount importance.

The need of the hour today is an industry that addresses the constraints and takes over the nitty-gritty's of the backend and offers the Clients the luxury of carrying on the business at hand.

Having studied and understood the challenges faced by these industries, NetRack offers an array of services that serve to Store, Secure, Streamline & Systemize passive and active network components like:

- Data Center Racks
- Acoustic Racks
- iRack & iRack Blocks
- Server & Networking Racks
- High Density Open & Closed Racks
- Data Center Technology Products
- Customized Racks
- Lab Racks & Furnitures

Management

From its humble beginnings in 2001, NetRack Enclosures Pvt Ltd today has earned the tall distinction of being the sole company in the country to be UL (Underwriters Laboratories, Illinois) listed. The vision and consorted efforts of the management team at NetRack Enclosures Private Ltd has been instrumental for the company's tireless and sincere service for more than a decade.

U Nagaraj
Director - Technical

Nagaraj is the Technical Director at NetRack Enclosures Pvt Ltd. Armed with a degree in Industrial and Production Engineering and with more than a decade's experience in design and manufacturing of sheet metal enclosures; he is responsible for the design and execution of technical projects.

U Ravi Raj
Director - Sales & Support

A mechanical engineer by vocation, Ravi took on the mantle of spearheading the growth and success of NetRack. He brings with him a wealth of hands on experience in the field of marketing and domain expertise in high end technologically advanced products. He is responsible for regularizing and ensuring the smooth functioning of the company.

V Raja Ram
Director - Commercial

Raja Ram is the Commercial Director at NetRack Enclosures Pvt Ltd and has vast experience in Purchase and Vendor Development. Having honed his analytical skills as a mechanical engineer and with acumen for strategizing, planning and implementing, he is responsible for the commercial, legal, structural and financial aspects of the company.

Suraj G. Shetty
Director - Admin & Complaince

Suraj G. Shetty is the Admin & Complaince Director comes with a vast experience. We ensure that the right products with proper documentation are delivered to the right location on time, transportation, stock control, warehousing and monitoring the flow of goods. The goal is to manage the entire order cycle, so as to enhance business development and ensure sustain ability and customer satisfaction.

Mission

NetRack Enclosures Private Ltd's mission is to deliver time bound quality products that are superiorly designed and precision engineered to perfection, to help the customers overcome their constraints while enabling scalability and increased performance at reduced cost.

NetRack guarantees to offer its Clients good customer support services for problem solving and better relations.

Vision

NetRack Enclosures Private Ltd, foresees itself as a single window solutions provider for all data, network and server related concern. Improved customer relations, employee welfare and transformation at all levels to achieve more than what we have achieved so far. The company wishes to upgrade itself through research and development of newer technologies for enhanced performance, scalability and cost effective products to cut costs to the customer.

NetRack Enclosures Private Ltd plans to enhance its infrastructural capabilities to keep in step with the latest advancements and developments in information technology. In continuation of its infrastructural plans the company also wishes to keep its workforce up-to-date and well versed with new and emerging technologies.

NetRack also wishes to do its mite to the environment by adopting environment friendly processes for the manufacture of its products.

Infrastructure

NetRack Enclosures Private Ltd has in place the latest state of art technology of 1.5 lakh sq ft for the production of products that are on the same footing and quality standards as comparable to the best in the international market.

The products are scientifically designed and engineered to perfection to meet the Client specifications and requirements. Having set its benchmark of quality high, NetRack Enclosures Private Ltd has adopted and implemented the best quality control methodologies.

In addition to its infrastructural strength in terms of technology, NetRack Enclosures Private Ltd is adequately supported by an equally competent workforce. The production unit stationed on 1.50 lakh sqft area of land is equipped with the following:

- CNC Punch Press
- CNC Press Brake
- NC Shearing Machine
- CO_2 Welding and Spot-welding machines
- Presses
- SPM and Support Machines
- Powder Coating Facility
- Design & Prototype Testing Facility

CERTIFICATE OF COMPLIANCE

Certificate Number	20160620-E332542
Report Reference	E332542-20110726
Issue Date	2016-JUNE-20

Issued to: NETRACK ENCLOSURES PVT LTD
Sy No 130
Machohalli Cross
Magadi Main Rd
Bangalore Ka 560091 INDIA

This is to certify that representative samples of AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT, CABINET, ENCLOSURE AND RACK SYSTEMS
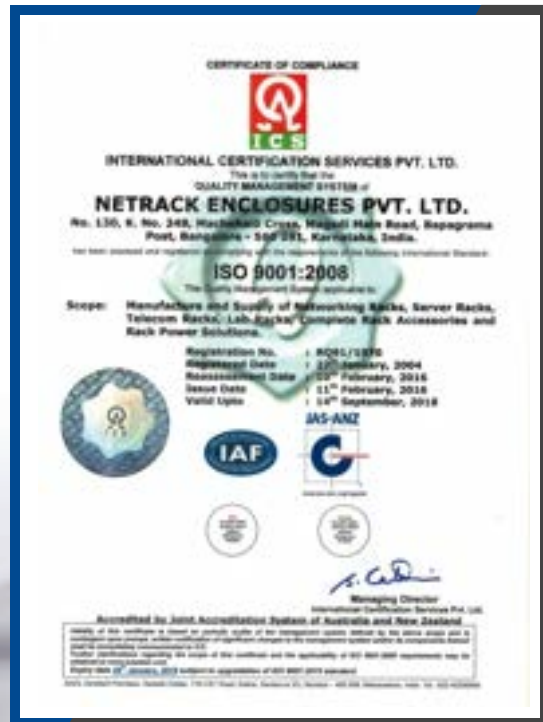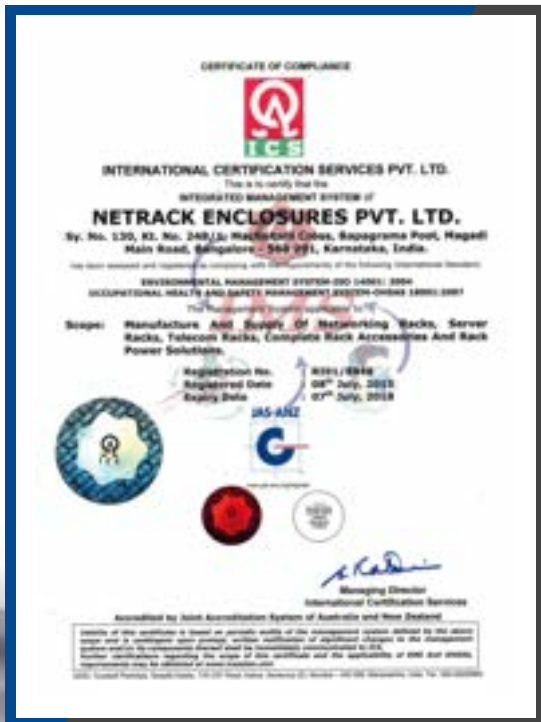See Addendum

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1, Information Technology Equipment - Safety - Part 1: General Requirements
UL 2416, Outline for Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems,
CAN/CSA-C22.2 No. 60950-1-07, Information Technology Equipment – Safety – Part 1: General Requirements,

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

CERTIFICATE OF COMPLIANCE

INTERNATIONAL CERTIFICATION SERVICES PVT. LTD.

This is to certify that the
INTEGRATED MANAGEMENT SYSTEM of

NETRACK ENCLOSURES PVT. LTD.

Sy. No. 130, Kt. No. 248/1b, Machohali Cross, Bapagrama Post, Magadi Main Road, Bangalore - 560 091, Karnataka, India.

ENVIRONMENTAL MANAGEMENT SYSTEM ISO 14001: 2004
OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM OHSAS 18001: 2007

Scope: Manufacture And Supply Of Networking Racks, Server Racks, Telecom Racks, Complete Rack Accessories And Rack Power Solutions.

Registration No.
Registered Date
Expiry Date

JAS-ANZ

Managing Director
International Certification Services

Accredited by Joint Accreditation System of Australia and New Zealand

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CERTIFICATE OF COMPLIANCE

INTERNATIONAL CERTIFICATION SERVICES PVT. LTD.

This is to certify that the
QUALITY MANAGEMENT SYSTEM of

NETRACK ENCLOSURES PVT. LTD.

No. 130, K. No. 248, Machohali Cross, Magadi Main Road, Bapagrama Post, Bangalore - 560 091, Karnataka, India.

ISO 9001:2008

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Registered Date
Reassessment Date
Issue Date
Valid Upto

JAS-ANZ   IAF

Managing Director
International Certification Services Pvt. Ltd.

Accredited by Joint Accreditation System of Australia and New Zealand

Index

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2. HIGH DENSITY CLOSED RACK SOLUTIONS
3. INTELLIGENT RACKS & COOLING SOLUTIONS
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5. OPEN RACK SOLUTIONS
6. HIGH DENSITY CABLE MANAGEMENT SOLUTIONS
7. CABLE MANAGEMENT & UNIVERSAL RUNWAY SOLUTIONS
8. RACK POWER & ELECTRONICS
9. MEDIUM DENSITY CLOSED RACK SOLUTIONS
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12. OUTDOOR CABINET
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DATA CENTRE SOLUTIONS & AIRFLOW MANAGEMENT

1

A. Hot Air Corridors - HAC
B. Cold Air Corridors - CAC
C. Thermal Management
D. Air Diverter Solution
E. Brush Modules
F. Enhanced Cooling
G. Air Seal Kit
H. Blanking Panels

Overview

Trends towards consolidation and higher-density computing configurations make the problem of heat management & one of the critical challenges in emerging data centers. Conventional approaches to addressing this problem have focused at the facilities level to develop new cooling technologies or optimize the delivery of cooling.

The last few years have seen a dramatic increase in the number, size, and uses of data centers. Large data centers contain up to tens & thousands of servers and support hundreds or thousands of users. For such data centers, in addition to traditional

IT infrastructure issues, designers increasingly need to deal with issues of power consumption, heat dissipation, and cooling provisioning.

Challenges

Rack Weight to Static Load Capacity - Deploy more servers in Rack as datacenter floor has limiting factor weight per Sq.mtr

Enhancing the cooling of mission critical equipment by honeycomb perforated doors and Thermal Sealing to minimize hot air cool air mixing.

Rack manufacture to work in tandem with PAC to decide the on Rack and corridor solution

Power availability at Rack - To deploy more servers / Equipment in rack

Benefits

Decrease cooling costs. 20% - 40% Big savings in cooling costs.

Increase hardware reliability and Higher MTBF

Decrease response times to transients and emergencies

Increase compaction and improve operational efficiencies

NetRack Products

- Hot Air Corridors
- Cold Air Corridors
- Brush Tile
- Enhanced Cooling
- Air Seal Kit & Filler Panel

Corridor Solutions

The corridor concept is based on the principle of separation of hot and cold airflows thus preventing any 'short-circuiting' between hot and cold air which leads to significant efficiency improvements.

This is achieved by enclosing the both ends of the cold aisle are closed using doors for, cold air contentment. In addition all cabinets are fitted with Plinth, Rack Side Thermal Sealing and Blanking Panels between the equipment, in this way the only route for the Cold air is through the equipment.

The advantages are quite clear - the temperature between the bottom and top of the rack is now more constant. Reduction in Hot & Cold Air Mixing.

Today NetRack with 15 Years of experience capable of offering world-class CAC & HAC solutions with Hot Air Chimneys, Accesses to CAC / HAC with PVC Blinds, Sliding Doors and Automatic Slide Door system integrated with Fire management system/ Building management system.
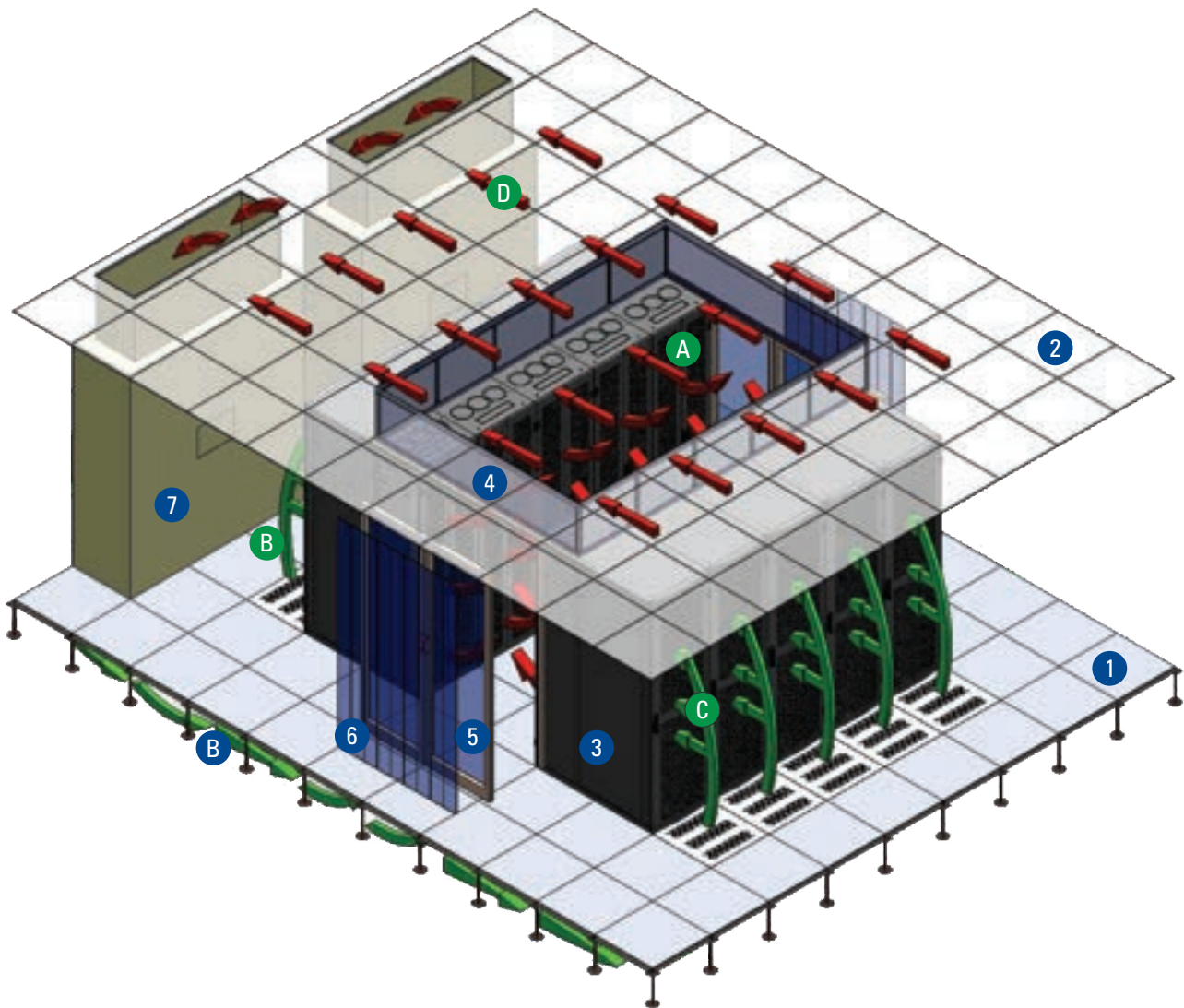
Some of the standard practices have been shown but can be customized to suit customer Requirement.

Data Centre Solutions & Airflow Management

Design Concept

The HAC concept is achieved by enclosing both ends of the Hot aisle and are closed using Swing / Sliding Doors or Blinds for cold air containment and the Hot air returns to PAC through remaining area as shown in the Concept Drawing.

In this concept Top panel is Perpendicular to Floor & Installed on the rack Top panel Vertically touches false ceiling, Top panel is composite metal toughened glass / Poly carbonate for Lighting can be customized.

On Cold Aisle side the cabinets are fitted with Plinth, Rack Side Thermal Sealing and Blanking Panels between the equipment, in this way the only route for the Cold air is through the equipment.

1. Raised Floor
2. False Ceiling
3. Rack
4. Vertical Panel
5. Swing / Sliding Doors
6. Corridor Blinds
7. PAC

A. Hot Aisle
B. Cold Aisle
C. Cold Air
D. Hot Air

Design Concept - Horizontal Panel with Chimney

The CAC concept is achieved by enclosing both ends of the cold aisle and are closed using Swing / Sliding Doors or Blinds for cold air containment. In addition all cabinets are fitted with Plinth, Rack Side Thermal Sealing and Blanking Panels between the equipment, in this way the only route for the Cold air is through the equipment.

The Hot air returns to PAC through chimney above False ceiling and Plain Door Blocks the Hot air moving to other area. This concept is the best option as per NetRack.

In this concept Top panel is perpendicular to Floor & Installed on the rack Top panel.

Top panel is composite with metal and toughened glass / Poly carbonate top Panel for lighting in corridor area can have provision for FM 200 / NOVEC lines. Smoke and other required sensors as per data centre standards.

1. Raised Floor
2. False Ceiling
3. Rack
4. Chiminy
5. Top Panel
6. Swing / Sliding Doors
7. Corridor Blinds
8. PAC

A. Hot Aisle
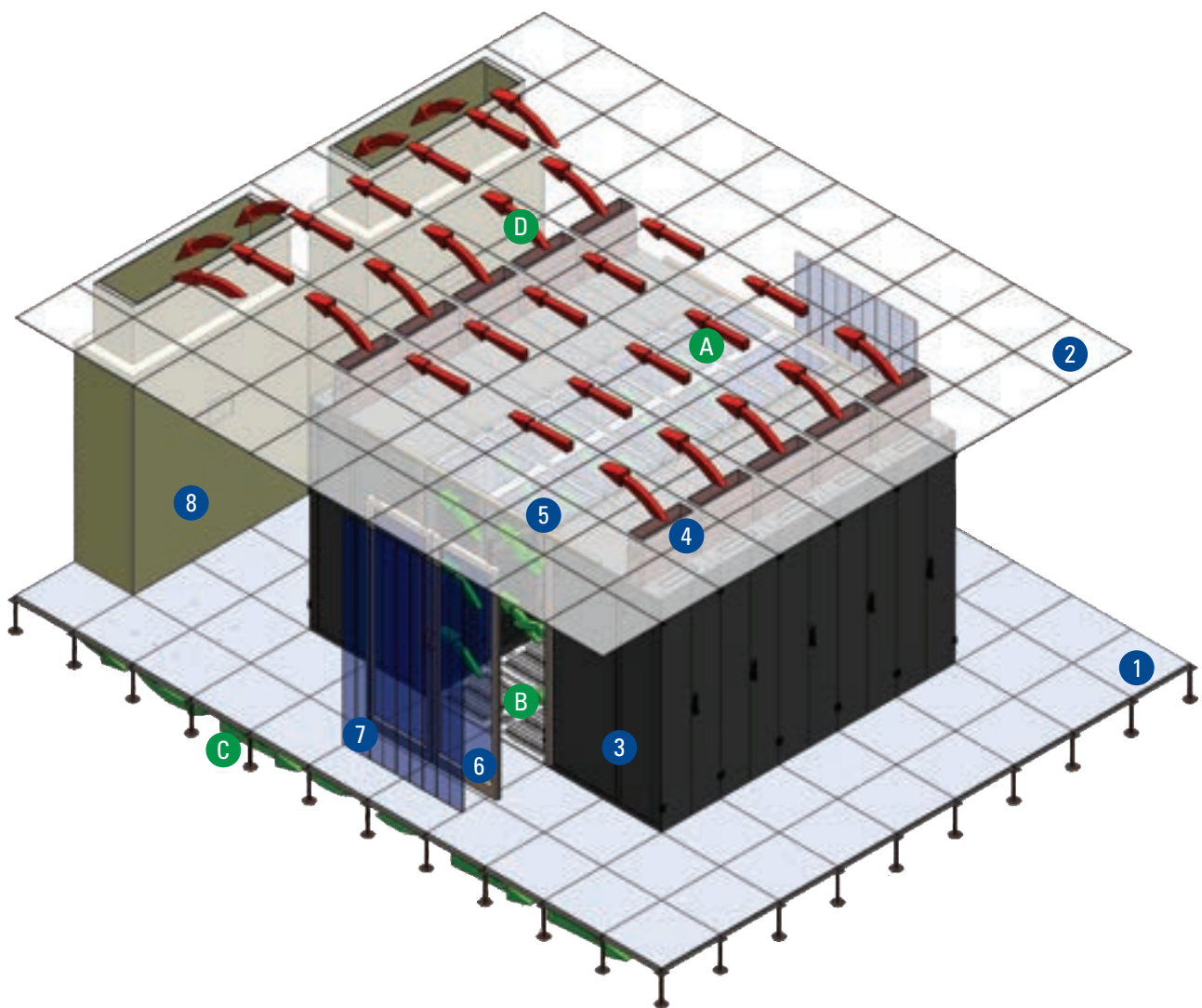B. Cold Aisle
C. Cold Air
D. Hot Air

Design Concept - Horizontal Panel without Chimney

The CAC concept is achieved by enclosing both ends of the Cold aisle and are closed using Swing / Sliding Doors or Blinds for cold air containment. In addition all cabinets are fitted with Plinth, Rack Side Thermal Sealing and Blanking Panels between the equipment and route the cold through the equipment.

The Hot air returns to PAC through remaining area as shown in the Concept Drawing.

In this concept Top panel is perpendicular to Floor & Installed on the rack Top panel.

Top panel is composite metal toughened glass / Poly carbonate top panel for lighting in corridor area can have provision for FM 200 / NOVEC lines. Smoke and other required sensors as per data centre standards.

1. Raised Floor	A. Hot Aisle
2. False Ceiling	B. Cold Aisle
3. Rack	C. Cold Air
4. Top Panel	D. Hot Air
5. Swing / Sliding Doors	
6. Corridor Blinds	
7. PAC	

Design Concept - Vertical Panel with Chimney

The CAC concept is achieved by enclosing both ends of the Cold aisle and are closed using Swing / Sliding Doors or Blinds for Cold Air containment. In addition all cabinets are fitted with Plinth, Rack Side Thermal Sealing and blanking panels between the equipment, in this way the only route for the Cold air is through the equipment.

The Hot air returns to PAC through Chimney above False ceiling and Plain Door Blocks the hot air moving to other area. This concept is the best option as per NetRack.

In this concept Top panel is perpendicular to Floor & Installed on the rack top panel vertically touches false ceiling, Top panel is composite metal toughened glass / Poly carbonate for Lighting can be customized.

1. Raised Floor
2. False Ceiling
3. Rack
4. Chiminy
5. Top Panel
6. Swing / Sliding Doors
7. Corridor Blinds
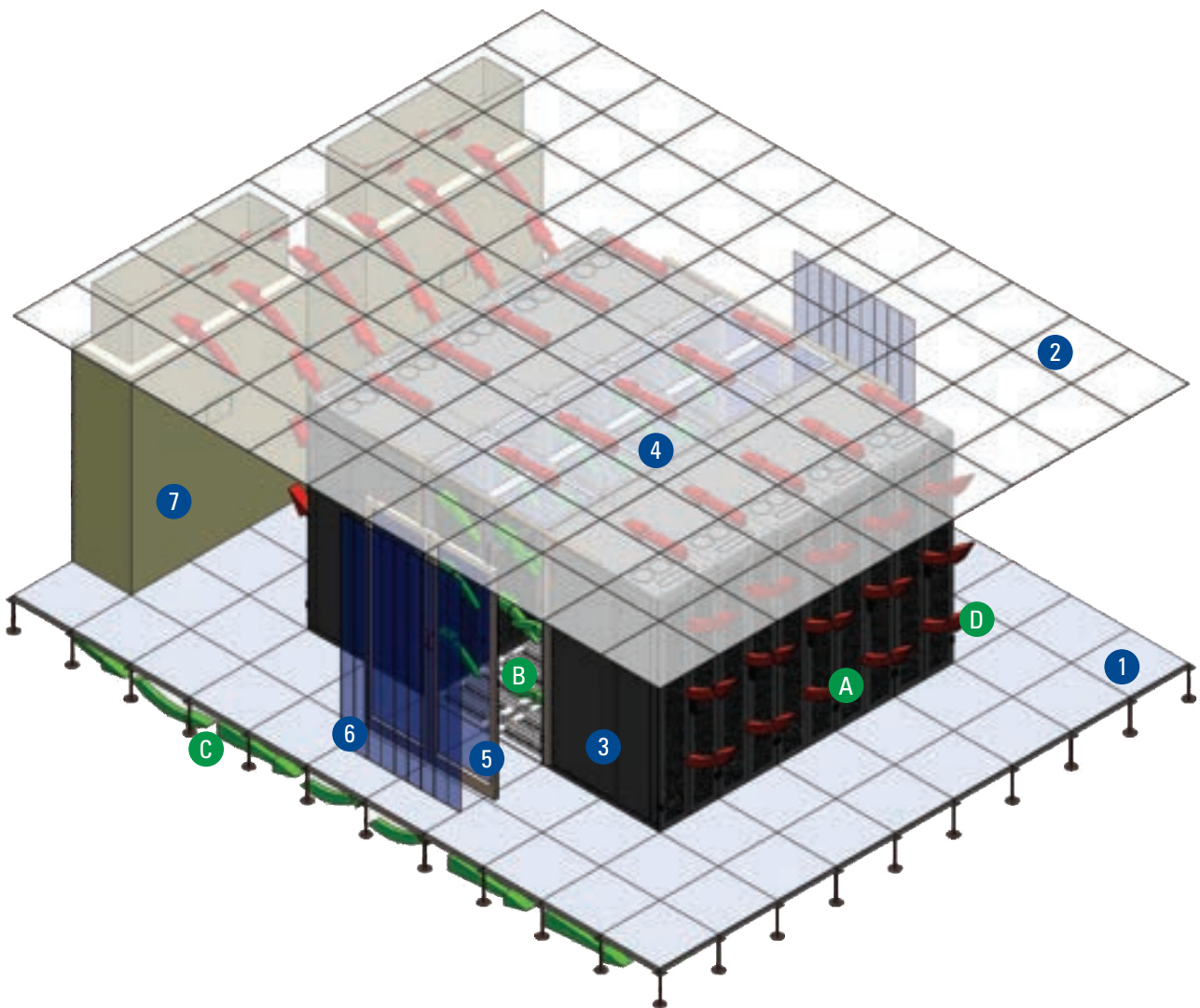8. PAC

A. Hot Aisle
B. Cold Aisle
C. Cold Air
D. Hot Air

Design Concept - Vertical Panel without chimney

The concept is achieved by enclosing both ends of the cold aisle and are closed using Swing / Sliding Doors or Blinds for cold air containment. In addition all cabinets are fitted with Plinth, Air Seal Kit and blanking panels between the equipment and route the Cold air through the equipment.

The Hot air returns to PAC through remaining area as shown in the Concept Drawing

In this Concept Top panel is Perpendicular to Floor & Installed on the rack top panel vertically touches false ceiling, top panel is composite metal toughened glass / Poly carbonate for Lighting can be customized
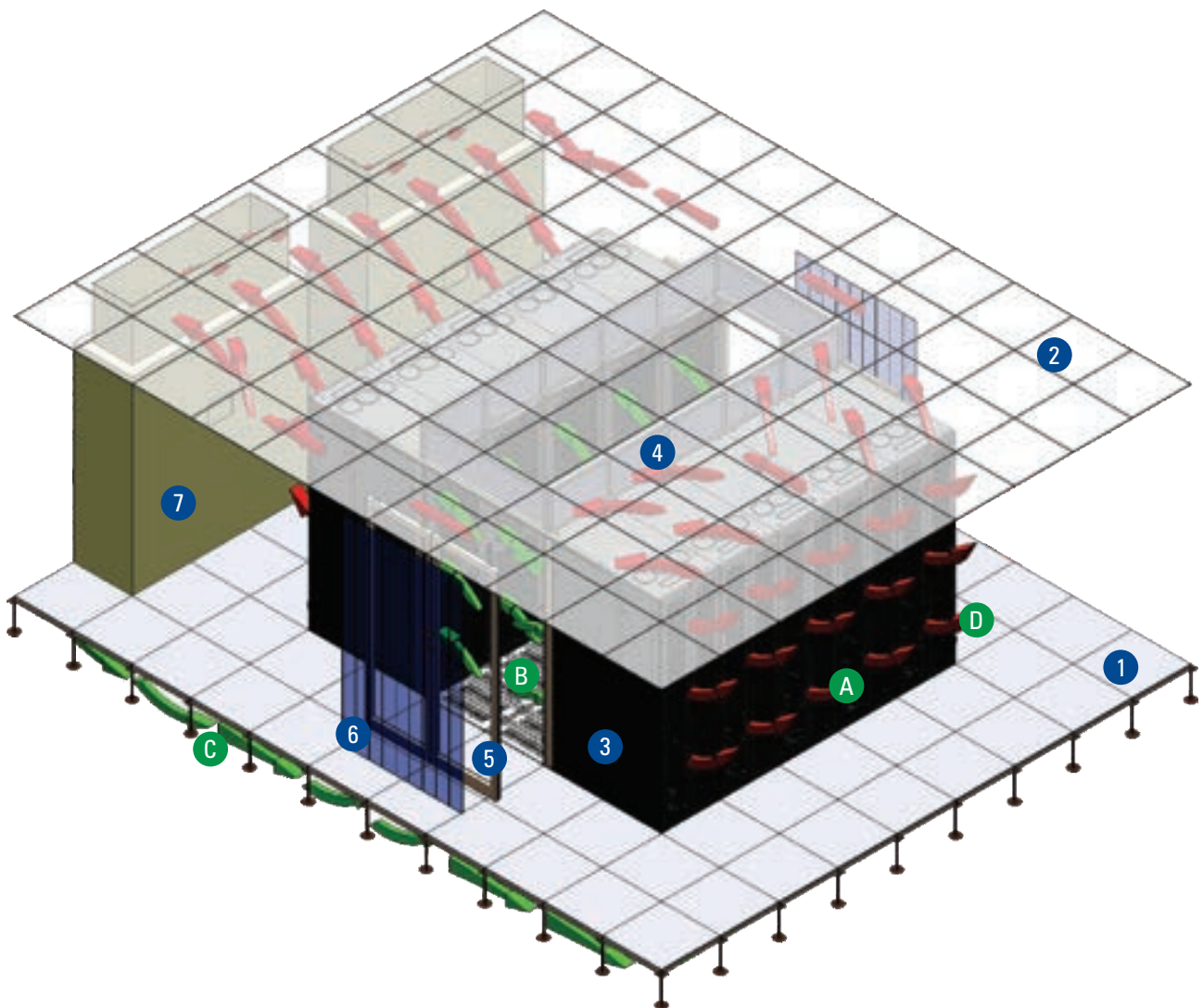

1. Raised Floor
2. False Ceiling
3. Rack
4. Top panel
5. Swing / Sliding Doors
6. Corridor Blinds
7. PAC

A. Hot Aisle
B. Cold Aisle
C. Cold Air
D. Hot air

Introduction

The Servers and Equipments used in Data Centre Solutions and Server Rooms generate a lot of heat and when these equipments are housed in the rack, manufacturer has to provide a system to take out the hot air and allow more cool air to enter front side of the Racks.

Cold Air   Hot Air

Overview

As explained in above drawing, the servers and equipments will breathe Cool air from Front side and exhaust from the back side this forced cooling happens through suction (Front) and exhaust (Back) fans provided inside the Server / Equipments by OEM. The air acts as a heat transfer media to take out the heat from the internal components to the outside of the equipment.

We at Netrack constantly working on increasing the Cool air flow inside the rack and exhaust the hot air and we have come out with below solutions to meet various site conditions and requirements.

NetRack understands challenges in high-density computing as this increases heat in the rack and Data Centre. Netrack Thermal management solutions are designed to handle large heat generated by IT equipments and servers, by improving airflow in the racks and also by preventing the mixing of Cool and Hot air. This ensures that your mission critical equipment runs cool with more reliability with an increased MTBF, saving energy costs and capital cost on the AC plant.

The Ready Accessories and solutions are,

a) Brush Tile
b) Brush Module for Cable Entry & Exit
c) Air Seal Kit
d) Front Filler Panels
e) Enhanced Rack Cooling
f) Hot & Cold Corridors
g) Air Diverter Solutions

All Products Design to reduces bypass of airflow and increases under-floor static pressure which in turn will help increase the cooling efficiencies, reduces running and infastructural costs. Helps to promote Hot Aisle / Cold Aisle best practices and improves air cooling performance and reduces carbon footprint.

Overview

Air Diverter systems are designed carefully to Manage cooling requirements of side airflow Equipments, such as Cisco Nexus switch. The biggest challenge in the Data Centre will be managing cross airflow, This will create thermal short circuits and hot air blockages.

NetRack after carefully studying and understanding the challenge designed 2 systems Pair one for cold air SUCTION and other for Hot air EXHAUST, Powder coated in Blue (Cold air) Red (Hot air) for identification.

- Air Diverter KIT/Passive
- Air Diverter KIT/Active
- Air Diverter Frame/Passive
- Air Diverter Frame/Active

In passive The COLD AIR SUCTION IS FROM FRONT SIDE AND HOT AIR EXHAUST AT BACK SIDE by equipment fans.

In active, COLD AIR SUCTION IS FROM FRONT SIDE AND HOT AIR EXHAUST AT BACK SIDE by Air diverter Kit/ Frame FANS along with equipment fans to enhance air flow...

Air Diverter KIT/Active

Air Diverter KIT/Passive

Data Centre Solutions & Airflow Management

Air Diverter Solution Configurator Drawing with Critical Parts
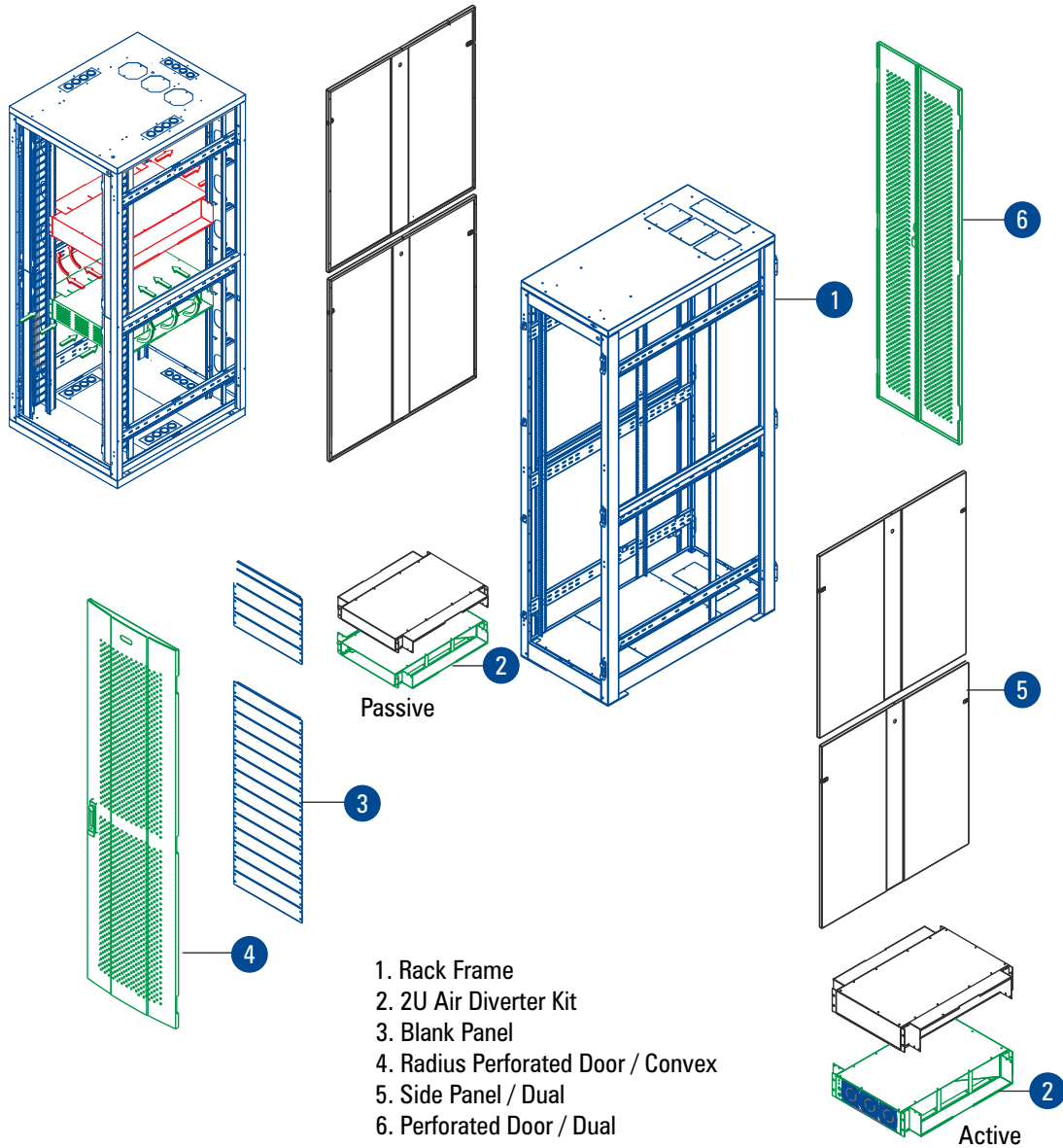
Passive

Active

1. Rack Frame
2. 2U Air Diverter Kit
3. Blank Panel
4. Radius Perforated Door / Convex
5. Side Panel / Dual
6. Perforated Door / Dual

Model Matrix & Dimensions

Description	Part No
Universal Air Diverter Kit/2U/ SET OF 2/ Passive/600X800	UADK-001-2-P-600800
Universal Air Diverter Kit/2U/ SET OF 2/ Passive/600X1000	UADK-001-2-P-6001000
Universal Air Diverter Kit/2U/ SET OF 2/ Passive/800X800	UADK-001-2-P-800800
Universal Air Diverter Kit/2U/ SET OF 2/ Passive/800X1000	UADK-001-2-P-8001000
Universal Air Solverter Kit/3U/ SET OF 2/ Active/540CFM/600X800	UADK-001-2-A-540-600800
Universal Air Diverter Kit/3U/ SET OF 2/ Active/540CFM/600X1000	UADK-001-2-A-540-6001000
Universal Air Diverter Kit/3U/ SET OF 2/ Active/540CFM/800X800	UADK-001-2-A-540-800800
Universal Air Diverter Kit/3U/ SET OF 2/ Active/540CFM/800X1000	UADK-001-2-A-540-8001000

Air Diverter Frame
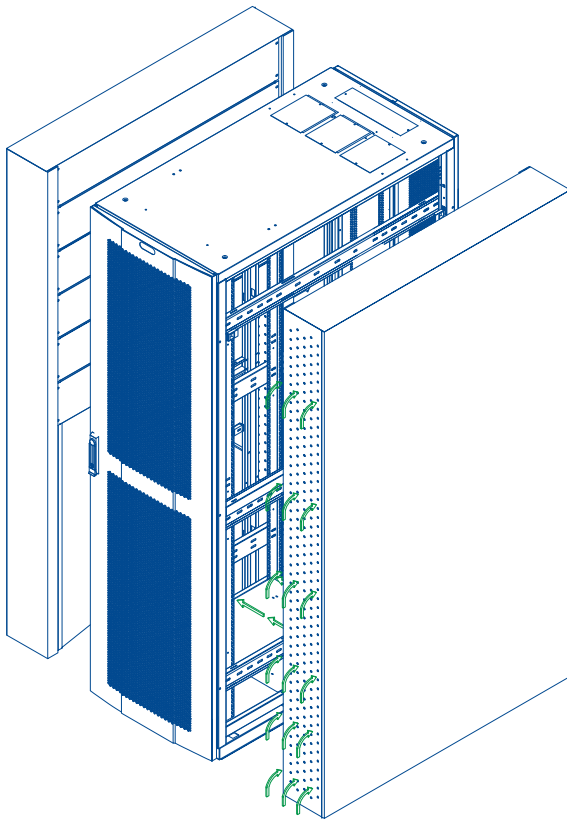
Rack Front
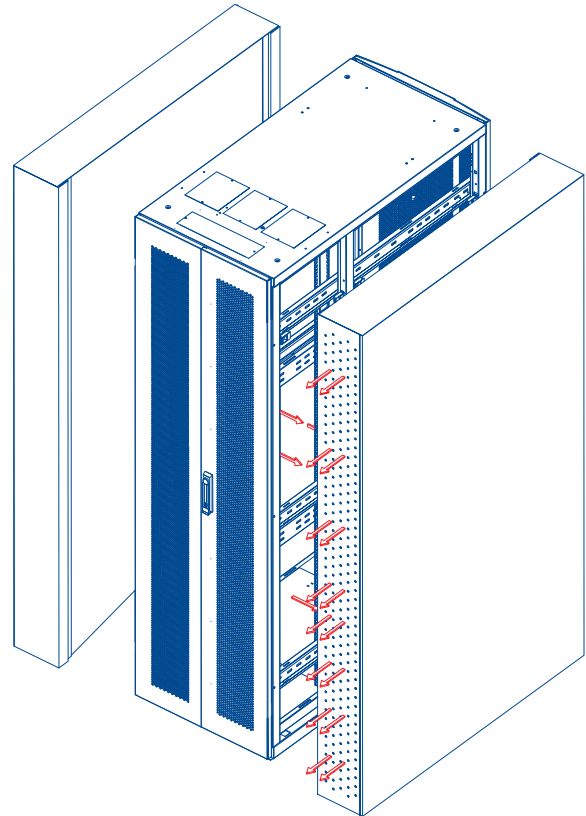
Rack Back

Model Matrix & Dimensions	
Description	Part No
Universal Air diverter Frame/42U/6 Inch/ SET OF 2	UADF-001-2-P-42
Universal Air diverter Frame/45U/6 Inch/ SET OF 2	UADF-001-2-P-45
Universal Air diverter Frame/48U/6 Inch/ SET OF 2	UADF-001-2-P-48
Universal Air diverter Frame/42U/8 Inch/ SET OF 2/Active/1600CFM	UADF-001-2-A-1600
Universal Air diverter Frame/45U/8 Inch/ SET OF 2/Active/1600CFM	UADF-001-2-A-1600
Universal Air diverter Frame/48U/8 Inch/ SET OF 2/Active/1600CFM	UADF-001-2-A-1600

Overview

Standard all Raised Floor made of 2X2 Feet Tiles installed on Grid Frame, NetRack offers ready to use Brush Tile 2X2 feet has 75X450-3 No cutout with high quality Nylon high density brush to reduce Cold air leakage. Tile can be swapped with existing conventional tile at required area to get below advantages-

- Reduces cold air leakages
- Eliminates pollution during tile cutting
- Eliminate cable damages due to bad tile cutting
- Easiness of relocation the tile
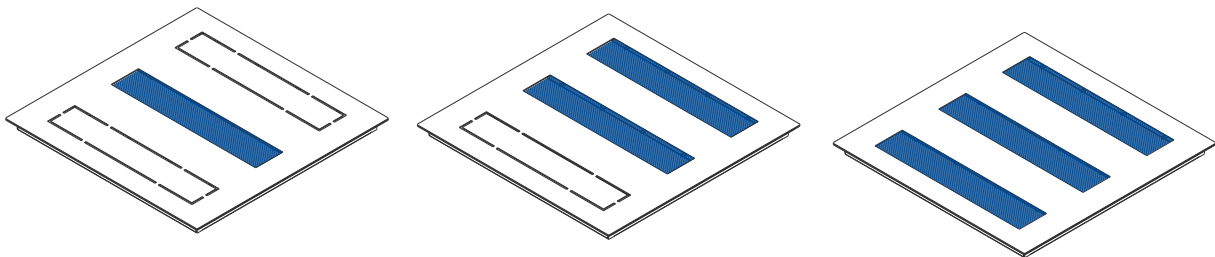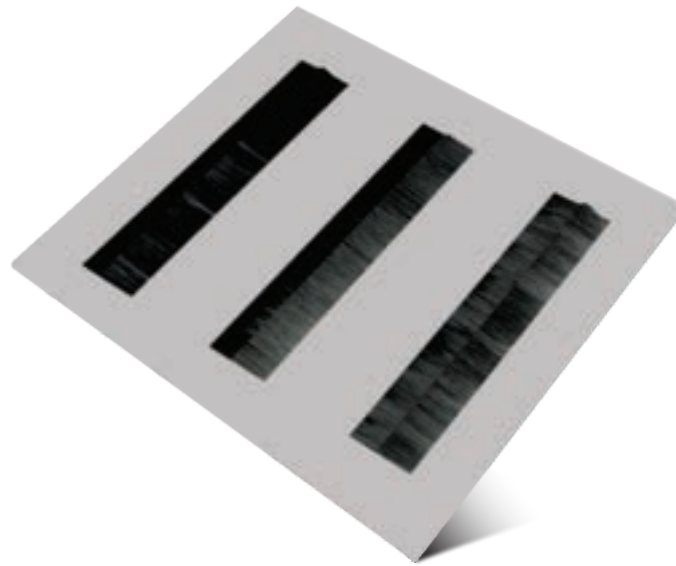
Model Matrix & Dimensions		
Description	Part No.	Construction
Brush Tile / 600 X 600	BTM-600600-001	Formed Steel & Powder Coated with 1 Openings
Brush Tile / 600 X 600	BTM-600600-002	Formed Steel & Powder Coated with 2 Openings
Brush Tile / 600 X 600	BTM-600600-003	Formed Steel & Powder Coated with 3 Openings

Brush Module/Top Panel
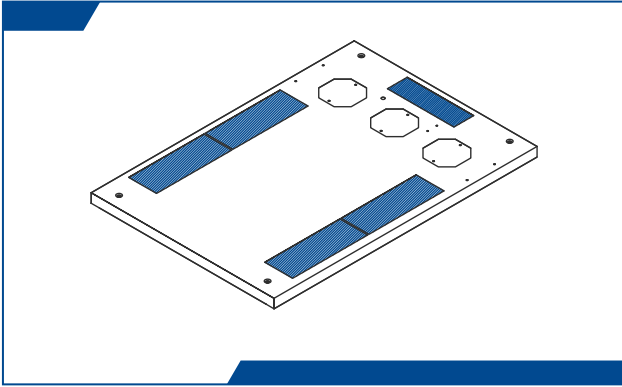
Model Matrix & Dimensions

Description	Part No
Brush Module/Top Panel/300X85	BM-TP-30085
Brush Module/Top Panel/600X85	BM-TP-60085
Brush Module/Top Panel/900X85	BM-TP-90085

Brush Module/Bottom Panel
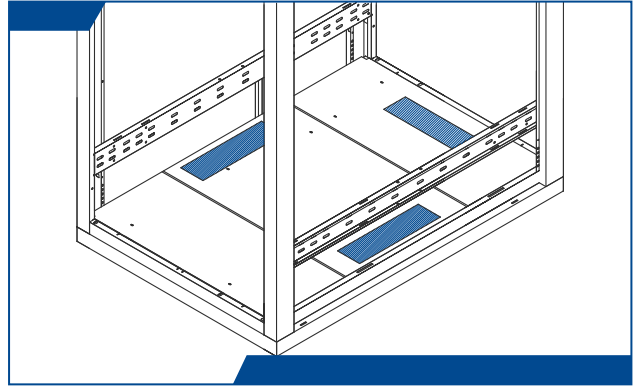
Model Matrix & Dimensions

Description	Part No
Brush Module/Bottom Panel/300X85	BM-BP-30085
Brush Module/Bottom Panel/600X85	BM-BP-60085
Brush Module/Bottom Panel/900X85	BM-BP-90085

Brush Module/Side Panel
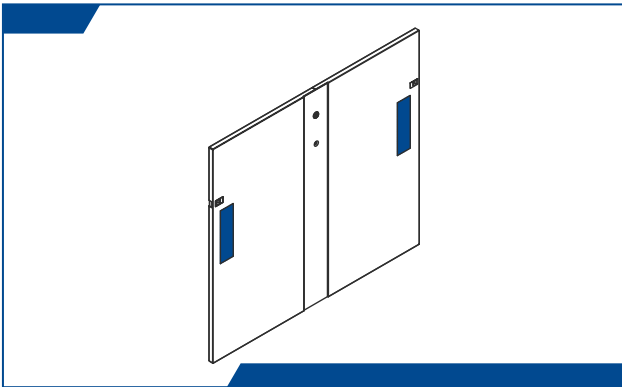
Model Matrix & Dimensions

Description	Part No
Brush Module/Side Panel/300X85/1	BM-SP-30085-1
Brush Module/Side Panel/300X85/2	BM-SP-30085-2
Brush Module/Side Panel/300X85/4	BM-SP-30085-4

Brush Panel/1U & 2U
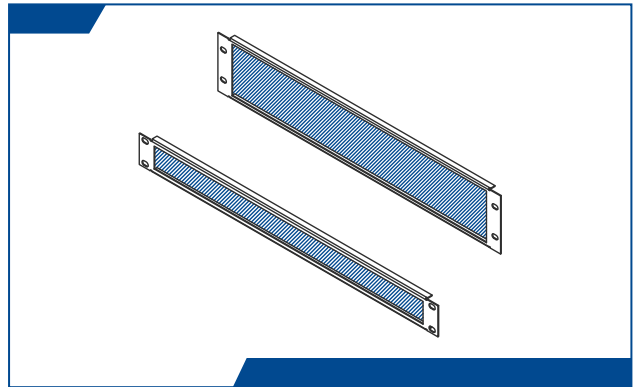
Model Matrix & Dimensions

Description	Part No
Brush Panel/1U	BRP-1
Brush Panel/2U	BRP-2

Air Seal Kit/ Brushed
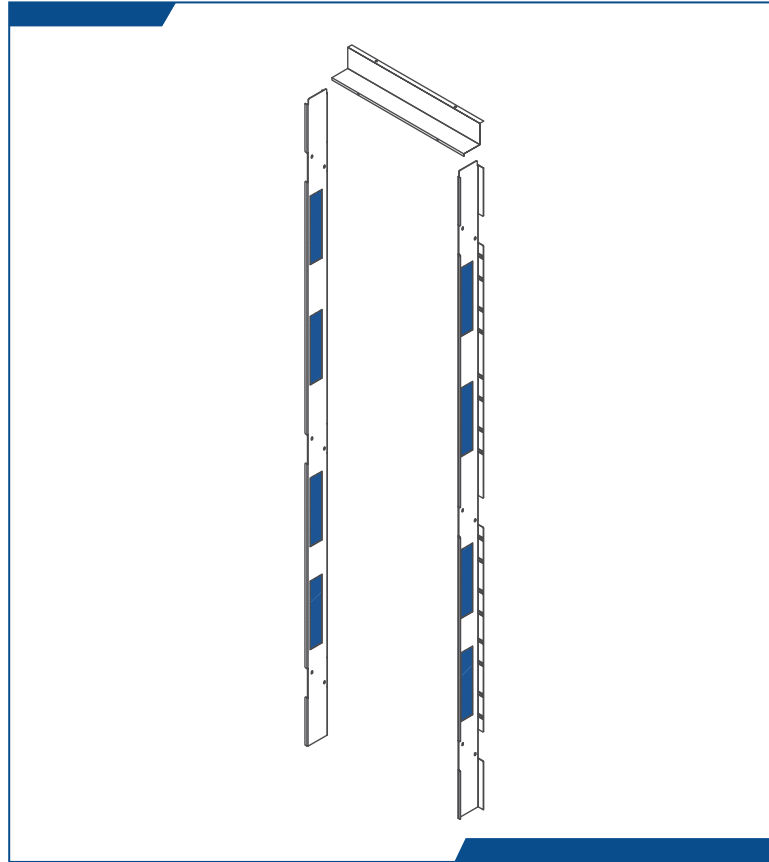
Model Matrix & Dimensions	
Description	Part No.
Front Air seal Kit/42/600/4 Opening per side/Brushed/Type1	ASK-42-600-B-001
Front Air seal Kit/42/800/4 Opening per side/Brushed/Type1	ASK-42-800-B-001
Front Air seal Kit/42/600/4 Opening per side/Brushed/Type2	ASK-42-600-B-002
Front Air seal Kit/42/800/4 Opening per side/Brushed/Type2	ASK-42-800-B-002
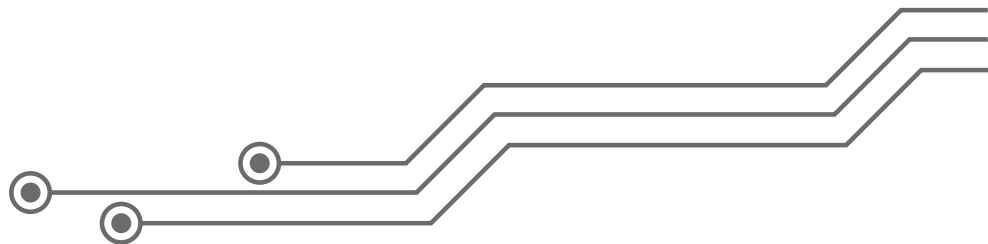
Overview

Moulded Brush Modules are ready made solutions to avoid air flow leakage at raise flow & available in different sizes and shapes to suit site requirements.

Features

- Double Layered Engineered Sealing System - Brush upper & EPDM lower gasket
- Unique Air - Guard overlapping better seal Nylon 6 Brush System
- Integrated Safety Cover
- Manufactured from high strength, flame retardant ABS and V0 rated nylon brush and EPDM.
- Easy to install.
- RoHS compliant.

Model Matrix & Dimensions

Description	Part No	Overall Dimensions	Tile Cut Out Dimensions	Usable Dimensions
Brush Module/Moulded/280X210	BM-MS-280210	280X210	235X175	205X125
Brush Module/Moulded//Split/280X210	BM-MS-S-280210	280X210	235X175	205X125
Brush Module/Moulded/195X145	BM-MS-195X145	195X145	150X105	120X60
Brush Module/Moulded/Split/195X145	BM-MS-S-195X145	195X145	150X105	120X60
Brush Module/Moulded/4" round	BM-MR-4	DIA 143	DIA 102	DIA 88
Brush Module/Moulded/Split/4" round	BM-MR-S-4	DIA 143	DIA 102	DIA 88

Overview

To increase Cold air entry from front side and Exhaust Hot air at back side rack NetRack offers, Inlet Blower Module, Roof Blower Module and Back Door Blower Modules

Inlet Blower module will be installed in front bottom side of Rack available up to 600 CFM This will push cold air in to the rack and will be associated with Front Glass Door, Air seal kit, Front Filler Panels, with back Door and Roof Enhanced cooling based on Heat Load on the Rack.
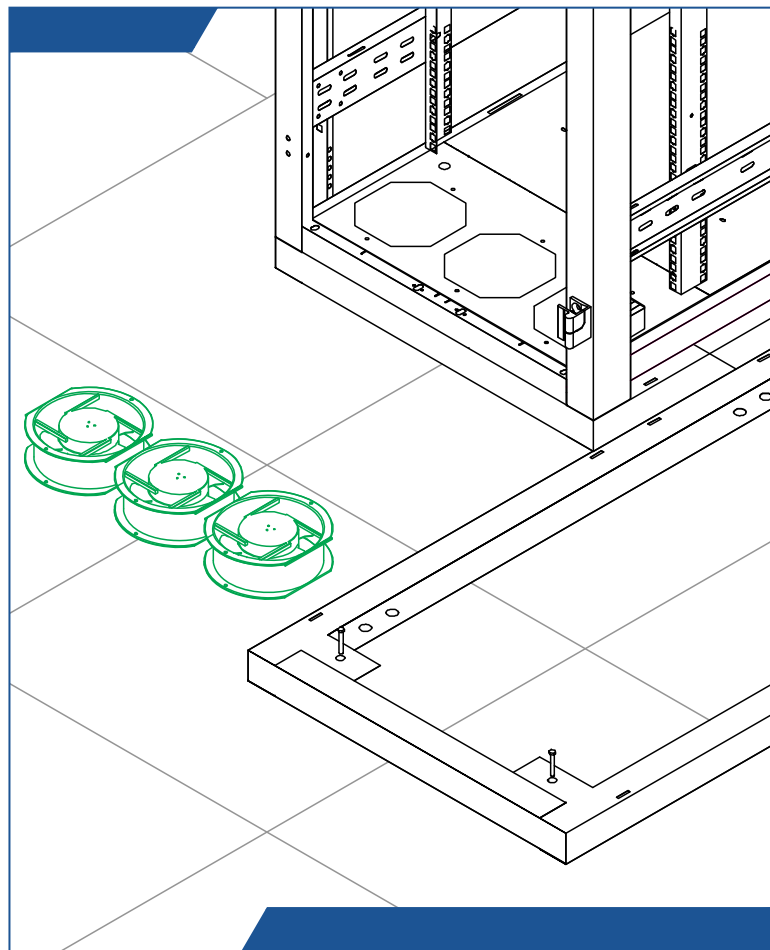
Model Matrix & Dimensions					
Description	Part No.	No. of Fans	Mounting	RU Space	Air Flow-CFM
Inlet Blower Module	IBM-600	3	Bottom Side	0	600CFM

Roof Blower module will be installed in Top back side of racks available 400 to 1300 CFM with chimney. This will exhaust hot air from rack and will be associated with Front perforated Door, Air seal kit, Front Filler Panels, with back door enhanced cooling, based on Heat Load on the rack
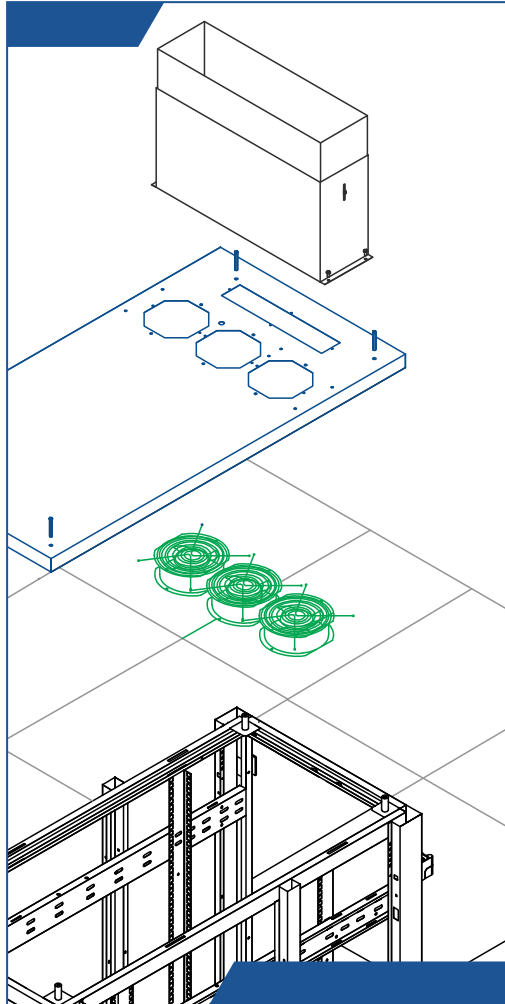
Model Matrix & Dimensions

Description	Part No	Mounting	RU Space	CFM/No. of Fans
Roof Blower Module/400 CFM	RBM-400	Top Cover	0	200/2
Roof Blower Module/400 CFM/ Adjustable Chimney	RBM-400-AC	Top Cover	0	200/2
Roof Blower Module/600 CFM	RBM-600	Top Cover	0	200/3
Roof Blower Module/600 CFM/ Adjustable Chimney	RBM-600-AC	Top Cover	0	200/3
Roof Blower Module/1300 CFM	RBM-1300	Top Cover	0	650/2
Roof Blower Module/1300 CFM/ Adjustable Chimney	RBM-1300-AC	Top Cover	0	650/2

Air-seal Kit & Blank Panel

This will minimize Hot & Cold air Mixing / short circuit and divert the air to enter mission critical equipments. This will be critical accessory for datacenter Racks to increase the efficiency of Thermal management.

Air-seal Kit will cover front sides and top. The filler panels will cover the front side unused equipment mounting area.
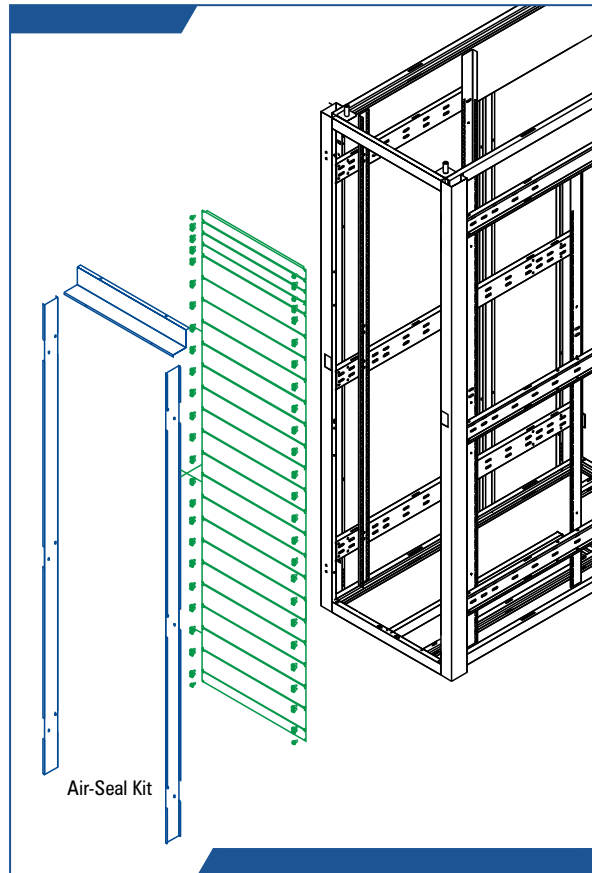
Air-Seal Kit

Model Matrix & Dimensions		
Description	Part No	Material
Blank Panel/1U/ Pk of 5	BP-1-5	CRCA Steel, Formed & Powder Coated
Blank Panel/2U/ Pk of 5	BP-2-5	
Front Air seal Kit/42/600/ Type1	ASK-42-600-001	
Front Air seal Kit/42/800/ Type1	ASK-42-800-001	
Front Air seal Kit/42/600/ Type2	ASK-42-600-002	
Front Air seal Kit/42/800/ Type2	ASK-42-800-002	

NETRACK
ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Blanking Panels

Overview

Tool-less blanking panel designed to install & uninstall the Panels quickly, compared to conventional Screwed Blanking panel.
The function will be to prevent of air flow to the unused rack space & avoid Thermal short circuite will be used with Air Seal Kit
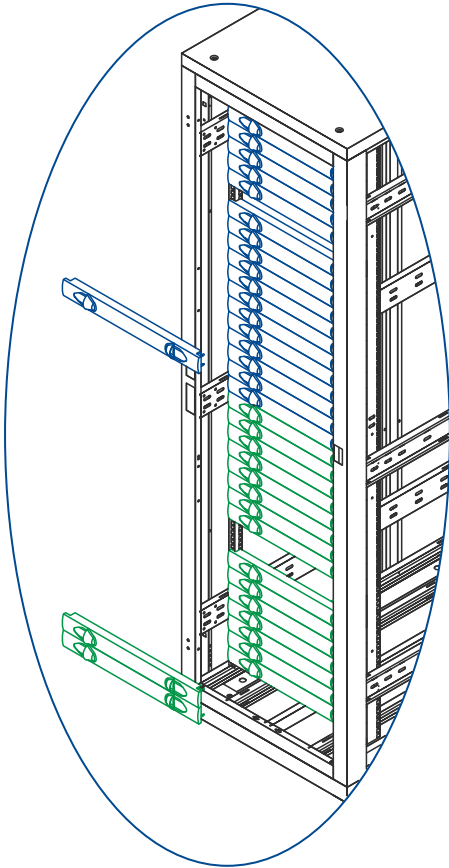
Features

- Highly effective to seal Unused Rack Space and prevents Thermal Short Circuit.
- Easy to install and removal with built-in finger grips.
- Can be used with square-punched, round or tapped Mounting rails.
- Stackable for easy storage.
- Made from a durable, lightweight plastic material and RoHS compliant.
- Available in 1U and 2U Variants.
- Enhances Looks and Aesthetics of the Racks.

Model Matrix & Dimensions

Description	Part No	Material
Blank Panel/1U/ Pk of 5/ Tool Less	BP-1-5-TL	High Impact Polystyrene UL 94 HB Fire Rating 150^0 F (65.6^0 C) Maximum Operating Environment
Blank Panel/2U/ Pk of 5/ Tool Less	BP-2-5-TL	High Impact Polystyrene UL 94 HB Fire Rating 150^0 F (65.6^0 C) Maximum Operating Environment

OEM - BLOCKHOT / HOTLOK

HIGH DENSITY CLOSED RACK SOLUTIONS

2

A. Closed High Density Server Racks
   NRSe Series
B. Closed High Density Server Rack
   with Seismic Rating NRSs Series
C. Closed High Density Network
   Racks - NHDC Series

Overview

NRSe Series - Ultra rigid Enhanced Racks for high density application in data centers & server room. The Racks are manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 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. Associated with Top cover having provision for mounting Exhaust Blower and Adjustable Duct for free exhaust of Hot Air through false ceiling to PAC unit, Front Convex perforated steel door with lock & key and Back perforated /plain dual steel door with lock & key and Plain dual side panels. Free standing on plinth.

Rack Display Unit - 144 X 33 mm,
32 Charecters in 2 line Programmable.
Part No. RDU 001
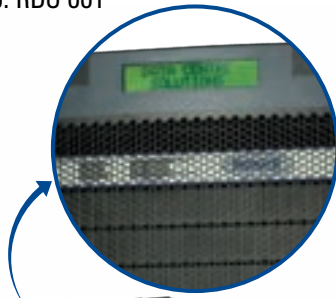
Available in 42RU ~ 52RU Variants with 1000 & 1200 Depth configurations and 600 Width configurations.

High Density Closed Rack Solutions

NRSe-600 Wide Series Configurator Drawing with Critical Parts
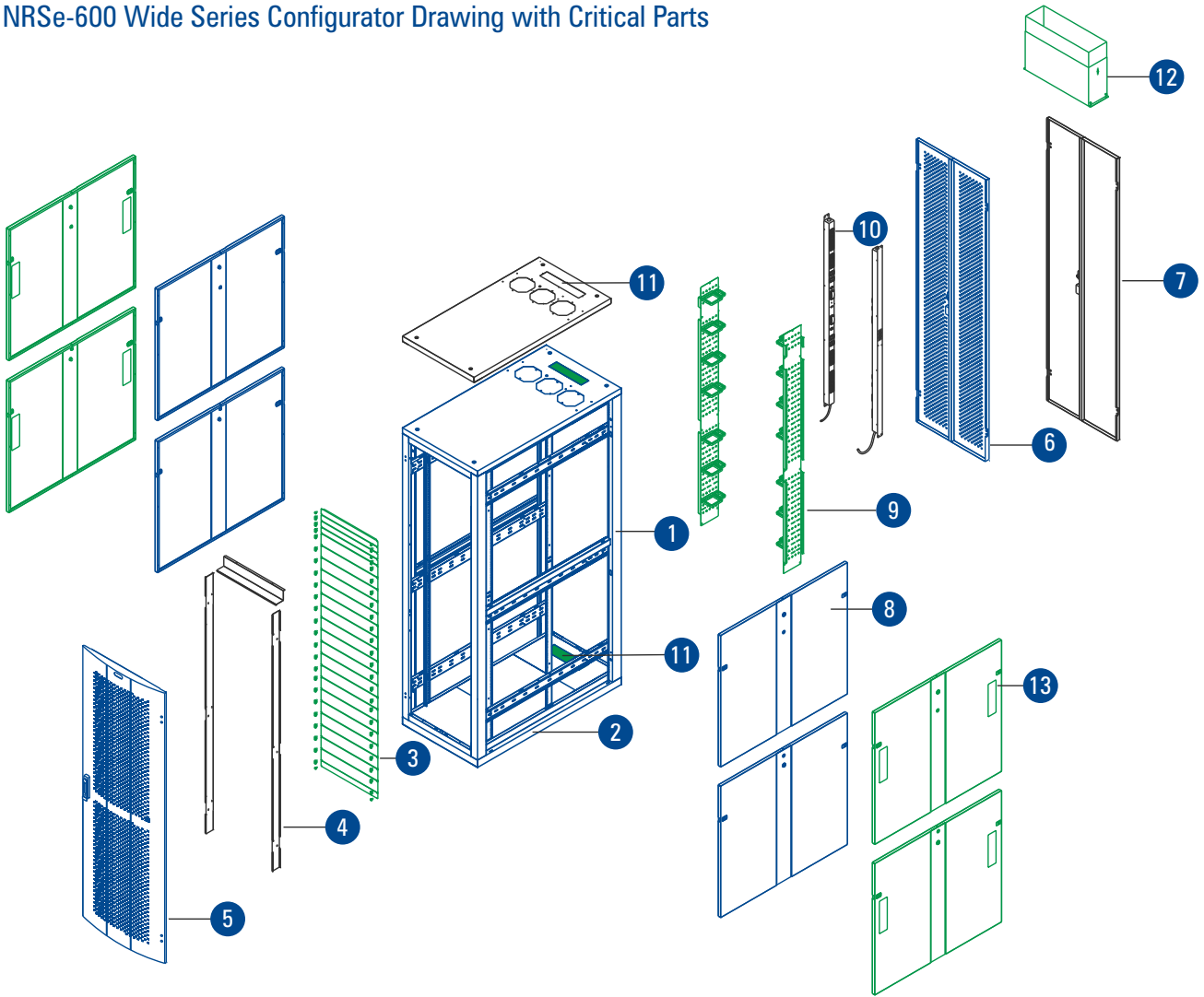
1. Rack Frame
2. Plinth
3. Blank Panel
4. Front Air Seal Kit
5. Perforated Door / Convex
6. Perforated Door / Dual
7. Metal Door
8. Side Panel / Dual
9. Universal Cable Basket
10. Power Distribution Unit
11. Brush Module Bottom / Top
12. Roof Blower Module / Adjustable Chiminey
13. Brush Module Side Panel

eNhancements

- eNhanced Thermal management with Air Seal Kit and Blanking Panels & Bottom Brushed access eNhanced Grounding & Bonding
- eNhanced to add High Density Cable Frame
- eNhanced for Alpha Numeric Rack Display system on Front Door
- eNhanced for CAC or HAC
- eNhanced for Roof Blowers with adjustable Chimney (400 to 1350 CFM)
- eNhanced for Back Door Blowers (800 to 1950 CFM) (Optional)
- eNhanced for Intelligent Locking and Rack Monitoring

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No adjustable, 19" Verticals with punched 10mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern, offers greater mounting flexibility, maximizes usable mounting space.
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard)
- Powder coated finish with Seven tank pretreatment process meeting ASTM standard

NETRACK ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

High Density Closed Rack Solutions

Technical Data:

Basic Frame	Steel folded
Construction	Welded
Top & Bottom Cover	Bolted to Frame with required cut outs.
Front Door	Lockable Convex Perforated Steel Door
Rear Door	Lockable Perforated / Plain Steel Dual Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10 mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Texture Black
Standard Mounting	Free standing on Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	1500 Kg

Model Matrix & Dimensions

NRSe Series	H	h	W	w	D	d	Plinth Height(mm)
42U 600X1000	2010	42U	600	19"	1000	900	50/100
42U 600X1200	2010	42U	600	19"	1200	1100	50/100
44U 600X1000	2099	44U	600	19"	1000	900	50/100
44U 600X1200	2099	44U	600	19"	1200	1100	50/100
45U 600X1000	2143	45U	600	19"	1000	900	50/100
45U 600X1200	2143	45U	600	19"	1200	1100	50/100
46U 600X1000	2186	46U	600	19"	1000	900	50/100
46U 600X1200	2186	46U	600	19"	1200	1100	50/100
47U 600X1000	2231	47U	600	19"	1000	900	50/100
47U 600X1200	2231	47U	600	19"	1200	1100	50/100
48U 600X1000	2276	48U	600	19"	1000	900	50/100
48U 600X1200	2276	48U	600	19"	1200	1100	50/100
50U 600X1000	2365	50U	600	19"	1000	900	50/100
50U 600X1200	2365	50U	600	19"	1200	1100	50/100
52U 600X1000	2454	52U	600	19"	1000	900	50/100
52U 600X1200	2454	52U	600	19"	1200	1100	50/100

Note:
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Overview

HDCF Series - Ultra Rigid Enhanced High Density Cable Frame designed to manage High Volume Vertical & Horizontal Cables in data center, generally same can't be managed with 600 Wide Racks. To ease the design of Data center NetRack comes through a break through Innovation which can be Installed in between or end of racks.

The Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard configuration will be frame with door on Front and Back with Slam Latch and Lock & Key, equipped semicircular ABS Loops & Spools for cable management.

Available in 42RU ~ 52RU Variants with 1000 & 1200 Depth configurations and 6, 8, 12 Inch Width configurations.

High Density Closed Rack Solutions

NRSe-600 Wide with HDCF Series Configurator Drawing with Critical Parts
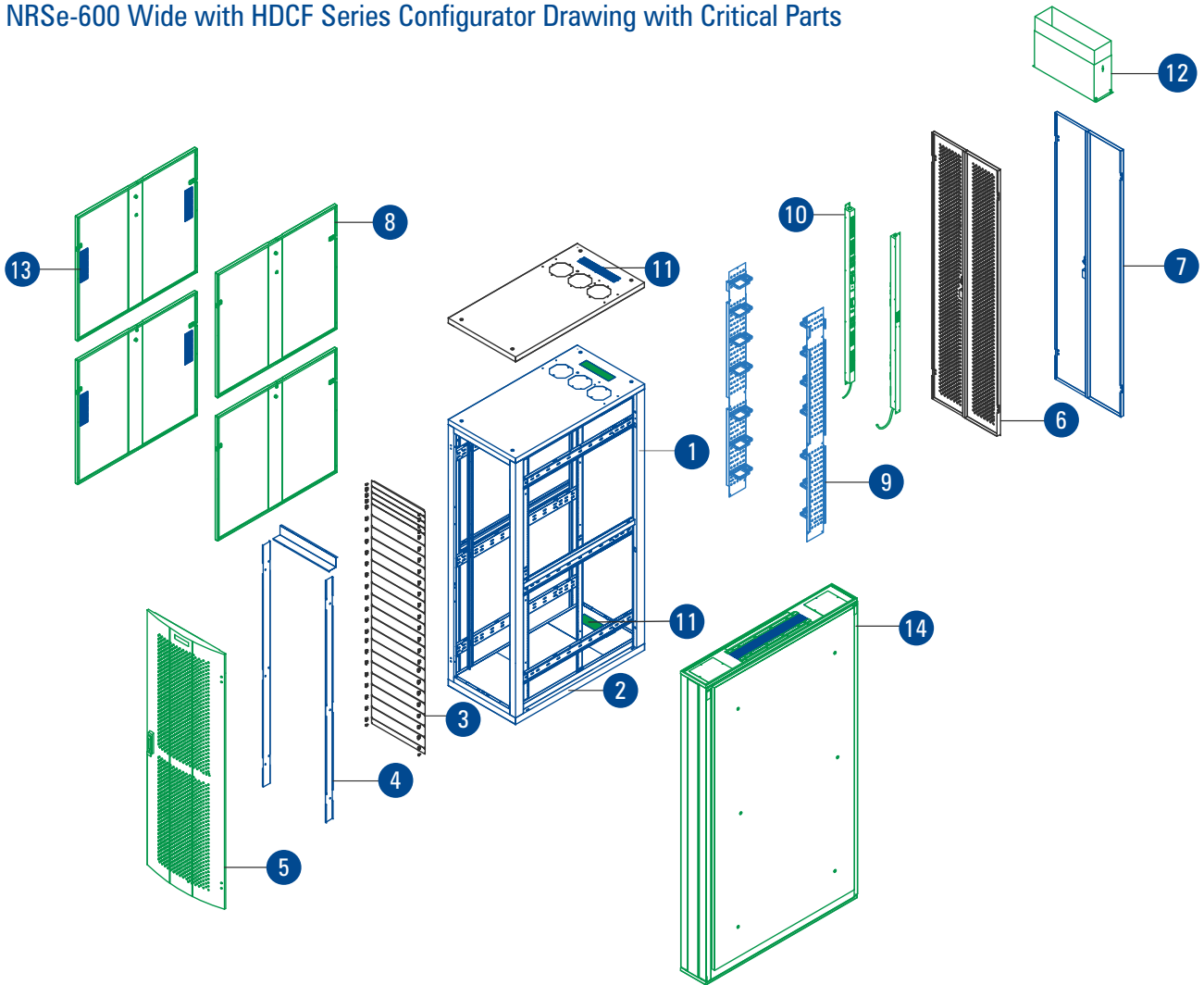
1. Rack Frame
2. Plinth
3. Blank Panel
4. Front Air Seal Kit
5. Perforated Door / Convex
6. Perforated Door / Dual
7. Metal Door
8. Side Panel / Dual
9. Universal Cable Basket
10. Power Distribution Unit
11. Brush Module Bottom / Top
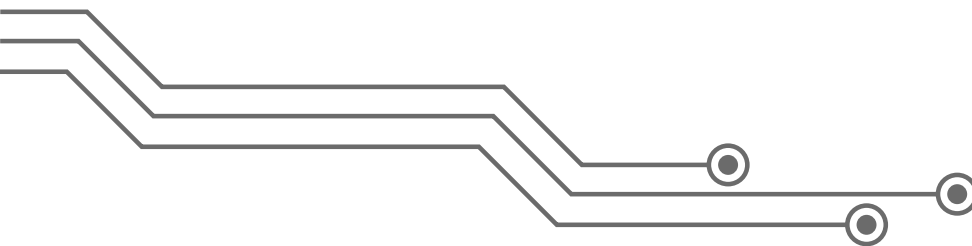12. Roof Blower (Chimney)
13. Brush Module Side Panel
14. High Density Cable Frame
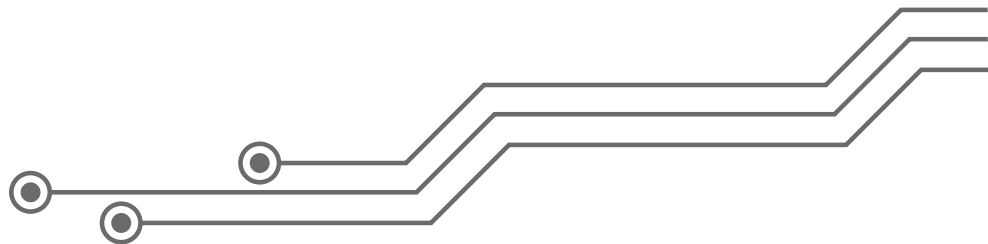
High Density Cable Frame Configurator Drawing with Critical Parts

1. Frame
2. Cable Basket
3. Side Cover
4. Brush Module Top
5. Brush Module Bottom
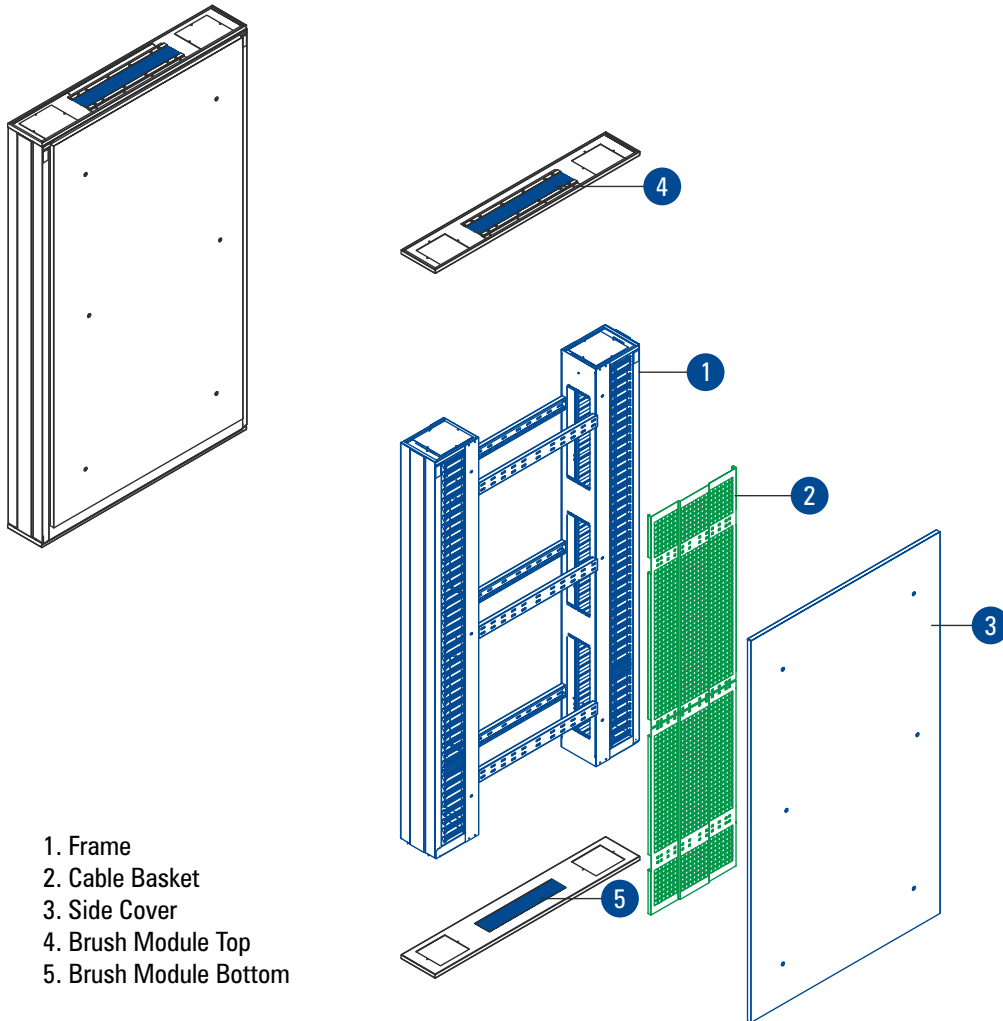
Model Matrix & Dimensions		
Description	Part No	Material
High Density Cable Frame/6"/1000/42U~52U	HDCF-42~52-6-1000	CRCA Steel, Formed & Powder Coated
High Density Cable Frame/8"/1000/42U~52U	HDCF-42~52-8-1000	
High Density Cable Frame/12"/1000/42U~52U	HDCF-42~52-1000	
High Density Cable Frame/15"/1000/42U~52U	HDCF-42~52-15-1000	
High Density Cable Frame/Side Cover/1000/42U~52U	HDCF-SC-1000-42~52	
High Density Cable Frame/6"/1200/42U~52U	HDCF-42~52-6-1200	
High Density Cable Frame/8"/1200/42U~52U	HDCF-42~52-8-1200	
High Density Cable Frame/12"/1200/42U~52U	HDCF-42~52-12-1200	
High Density Cable Frame/15"/1200/42U~52U	HDCF-42~52-15-1200	
High Density Cable Frame/Side Cover/1200/42U~52U	HDCF-SC-1200-42~52	

Overview

NRSe Series - Ultra Rigid Enhanced Racks for high density application in data centers & server rooms. The Racks are manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 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. Associated with top cover having provision for Mounting Exhaust Blower and Adjustable duct for free exhaust of hot air through false ceiling to PAC unit, Front Convex perforated steel door with lock & key and Back perforated /plain dual steel door with lock & key and Plain dual side panels. Free standing on plinth.

Available in 42RU ~52RU Variants with 1000 & 1200 Depth configurations and 800 Width configurations.

NRSe-800 Wide Series Configurator Drawing with Critical Parts

1. Rack Frame
2. Plinth
3. 19" Adapter Kit / Loops
4. 19" Adapter Kit / Closed Door
5. Perforated Door / Convex
6. Perforated Door / Dual
7. Metal Door

8. Side Panel / Dual
9. Cable Basket
10. Brush Module Bottom / Top
11. Power Distribution Unit
12. Roof Blower Module
13. Brush Module Side Panel

eNhancements

- eNhanced Thermal management with Air Seal Kit and Blanking panels & Bottom Brush access eNhanced Grounding & Bonding
- eNhanced Cable management
- eNhanced for Alpha Numeric Rack Display system on Front Door
- eNhanced for CAC or HAC
- eNhanced for Roof Blowers with adjustable Chimney. (400 to 1350 CFM)
- eNhanced for Back Door Blowers (800 to 1950 CFM) (Optional)
- eNhanced for Intelligent Locking and Rack Monitoring

High Density Closed Rack Solutions

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space

- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard)
- Powder coated finish with Seven tank pretreatment process meeting ASTM standard

Technical Data:

Basic Frame	Steel folded
Construction	Welded
Top & Bottom Cover	Bolted to Frame with required cut outs.
Front Door	Lockable Convex Perforated Steel Door
Rear Door	Lockable Perforated / Plain Steel Dual Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10 mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Texture Black
Standard Mounting	Free standing on Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	1500 Kg

Model Matrix & Dimensions

NRSe Series	H	h	W	w	D	d	Plinth Height(mm)
42U 800X1000	2010	42U	800	19"/27"	1000	900	50/100
42U 800X1200	2010	42U	800	19"/27"	1200	1100	50/100
44U 800X1000	2099	44U	800	19"/27"	1000	900	50/100
44U 800X1200	2099	44U	800	19"/27"	1200	1100	50/100
45U 800X1000	2143	45U	800	19"/27"	1000	900	50/100
45U 800X1200	2143	45U	800	19"/27"	1200	1100	50/100
46U 800X1000	2186	46U	800	19"/27"	1000	900	50/100
46U 800X1200	2186	46U	800	19"/27"	1200	1100	50/100
47U 800X1000	2231	47U	800	19"/27"	1000	900	50/100
47U 800X1200	2231	47U	800	19"/27"	1200	1100	50/100
48U 800X1000	2276	48U	800	19"/27"	1000	900	50/100
48U 800X1200	2276	48U	800	19"/27"	1200	1100	50/100
50U 800X1000	2365	50U	800	19"/27"	1000	900	50/100
50U 800X1200	2365	50U	800	19"/27"	1200	1100	50/100
52U 800X1000	2454	52U	800	19"/27"	1000	900	50/100
52U 800X1200	2454	52U	800	19"/27"	1200	1100	50/100

Note:
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

CLOSED HIGH DENSITY SERVER RACK
WITH SEISMIC RATING

NRSs SERIES

High Density Closed Rack Solutions

Overview

NRSs (sesmic) Series - Ultra rigid racks for high density application in data centers & server rooms specially designed for seismic zone. The racks manufactured out of steel sheet, punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for racks configuration will be welded to ultra rigid frame with 4 no pillars of 14 Gauge steel sheet 5 folded profile welded to top and bottom ribbed/ reinforced frame additionally supported depth wise by welding 6 no depth rail 4 folded 75mm 14 Gauge profile & diagonally reinforced by 4 no of 4 folded 50mm 14 gauge profile. Associated with vented top cover with fan mounting provision Front Glass or perforated Metal Door with Lock & Key and Back Vented / Perforated Metal Door with Lock & key and partially vented or Plain side panels 1200 deep rack will be configured with dual side panel. Braced to floor/ raised floor with bracing bolts and additionally braced on top by runway to rigid wall OR Pillar

SEISMIC RATED

Available in 42RU~47RU Variants with 650, 800, 1000 & 1200 Depth configurations 600 & 800 Width configurations.

High Density Closed Rack Solutions

What is Seismic Zones?

Seismic Rack standards are often specified in terms of the earthquake risk zones. Zones vary from 0 to 4, 0 Zone designating no substantial risk, zones 3 and 4 are generally the regions where Seismic Racks are Required

Seismic Zones
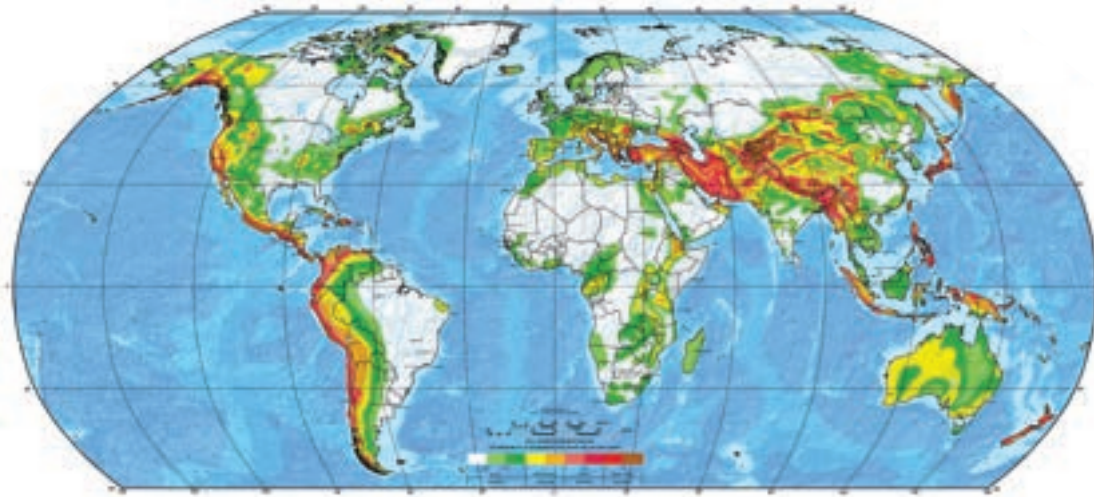
What is Seismic Rack?

Manufacturing the Rack & Enclosures understanding above Seismic Zone requirements and designing through FEA (Finite Element analysis. According to Telcordia (formerly Bellcore) GR-63-CORE Network Equipment Building System (NEBS) requirements for physical protection.

Displacement Distribution

Note: A Telcordia GR-63-CORE compliant test can be conducted by recognised independent laboratory. This test is conducted on an installation-specific basis with customer - installed equipment and cabling mounted inside.

NRSs-600 Wide Series Configurator Drawing with Critical Parts
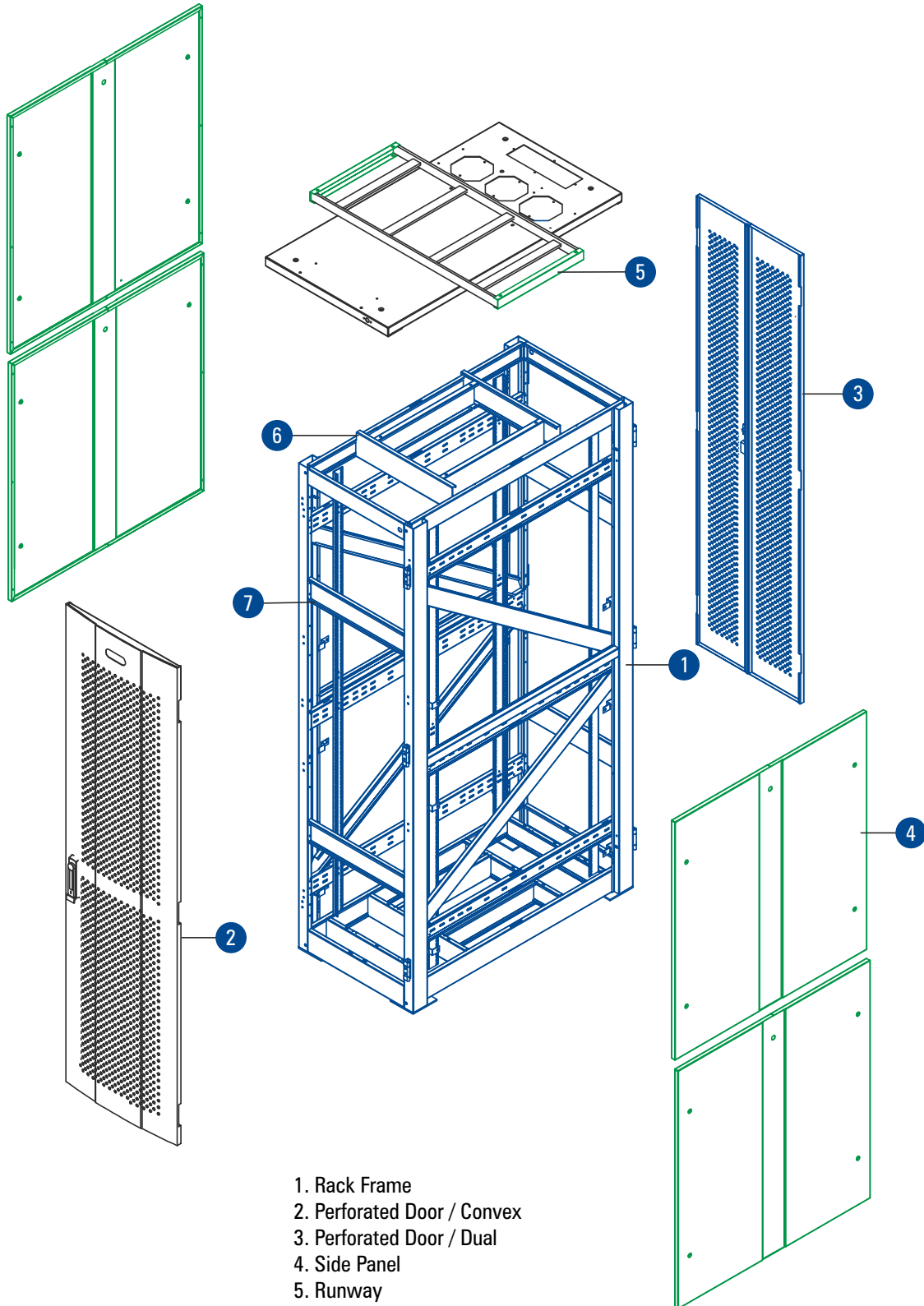
1. Rack Frame
2. Perforated Door / Convex
3. Perforated Door / Dual
4. Side Panel
5. Runway
6. Bracing Kit Top
7. Front & Rear Bracing

High Density Closed Rack Solutions

NRSs-800 Wide Series Configurator Drawing with Critical Parts
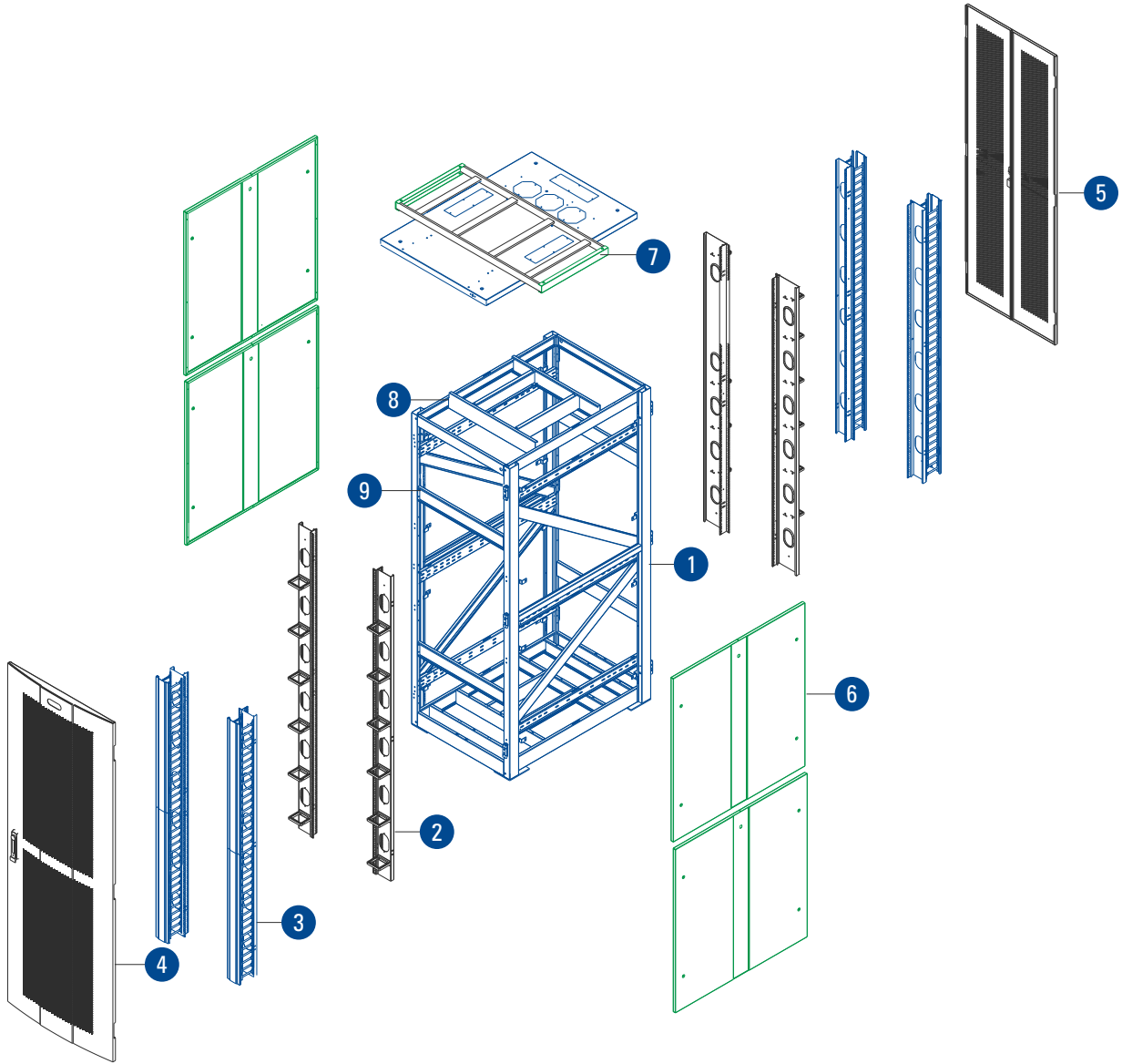
1. Rack Frame
2. Perforated Door / Dual
3. 19" Adapter Kit / loops
4. 19" Adapter Kit / Closed Door
5. Perforated Door / Convex

6. Side Panel
7. Runway
8. Bracing Kit Top
9. Front and Rear Bracing

Features

- Conforms to DIN 41494 or equivalent EIA / ISO / EN standard
- Designed to NEBS™ Zone 4 via Telecordia GR-63-CORE
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with punched 9mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
- Numbered U positions,
- Universal 25MM Pitch Holes For ETSI Standard Racks
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with Seven tank pretreatment process meeting IS
- Grounding & Bonding Options
- Earthing continuity Kit
- 2 or 4 Fan module Mount Provision on top cover

Accessories:

- Fixed Shelf
- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf
- Power Distribution Units
- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit
- Plinth
- Cable Basket

Technical Data:	
Basic Frame	Steel folded
Construct ion	Welded
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs.
Front Door	Lockable Perforated steel Door Plain /Vented
Rear Door	Lockable Perforated steel Door Plain /Vented
19" Mounting Angle	Formed Steel
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Braced to Floor/ Raised Floor with Bracing Bolts
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	1500Kg
Seismic Load	750Kg

Note: Other Colour Powder Coating,
Etsi Std. Racks and other Models can be manufactured on Request.

High Density Closed Rack Solutions

Model Matrix & Dimensions

NRSs Series	H	h	W	w	D	d	Plinth
42U 600X650	2010	42U	600	19″	650	550	
42U 600X800	2010	42U	600	19″	800	700	
42U 600X1000	2010	42U	600	19″	1000	900	
42U 600X1200	2010	42U	600	19″	1200	1100	
44U 600X650	2099	44U	600	19″	650	550	
44U 600X800	2099	44U	600	19″	800	700	
44U 600X1000	2099	44U	600	19″	1000	900	
44U 600X1200	2099	44U	600	19″	1200	1100	
45U 600X650	2143	45U	600	19″	650	550	
45U 600X800	2143	45U	600	19″	800	700	
45U 600X1000	2143	45U	600	19″	1000	900	
45U 600X1200	2143	45U	600	19″	1200	1100	
47U 600X650	2232	47U	600	19″	650	550	
47U 600X800	2232	47U	600	19″	800	700	Integrated to Frame
47U 600X1000	2232	47U	600	19″	1000	900	
47U 600X1200	2232	47U	600	19″	1200	1100	
42U 800X800	2010	42U	800	19"/27″	800	700	
42U 800X1000	2010	42U	800	19"/27″	1000	900	
42U 800X1200	2010	42U	800	19"/27″	1200	1100	
44U 800X800	2099	44U	800	19"/27″	800	700	
44U 800X1000	2099	44U	800	19"/27″	1000	900	
44U 800X1200	2099	44U	800	19"/27″	1200	1100	
45U 800X800	2248	45U	800	19"/27″	800	700	
45U 800X1000	2248	45U	800	19"/27″	1000	900	
45U 800X1200	2248	45U	800	19"/27″	1200	1100	
47U 800X800	2337	47U	800	19"/27″	800	700	
47U 800X1000	2337	47U	800	19"/27″	1000	900	
47U 800X1200	2337	47U	800	19"/27″	1200	1100	

Note:
1. Overall Height = Frame Height+Plinth
2. Other models can be manufactured on request
3. It is recommended to distribute the Load along with U space in the Rack
4. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth
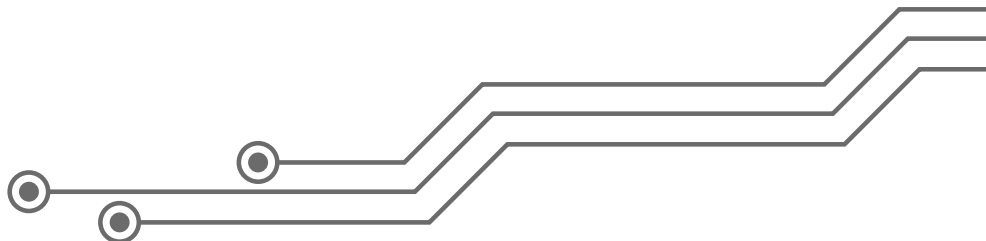
CLOSED HIGH DENSITY
NETWORK RACKS

NHDC SERIES

Overview

NHDC Series- are High Density Closed Racks Enhanced to Handle High Volume of Cable where in customer corporate policy insists on Closed Racks. The Racks manufactured out of formed steel frames & profiles, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be all Steel CKD Design, additionally supported depth wise by welding 6 no 4 folded profiles. Associated with top cover having provision for mounting fan modules and unique cable entry and exit cut outs to handle High density Cables, Front and Back perforated metal Dual door with lock & key and Plain/ Vented dual side panels. Free standing with plinth.

NHDC Racks are supplied with high density Cable Frames 2 No of 6 Inch in 900 wide and 2 No of 8 Inch in 1000 Wide.

Available in 32RU~52RU Variants with 800, 1000, 1200 Depth configurations and 900,1000 width configurations.

High Density Closed Rack Solutions

NHDC Series Configurator Drawing with Critical Parts

1. Rack Frame
2. Plinth
3. High Density Frame
4. Cable Basket
5. Perforated Door / Dual
6. Side Panel / Vented
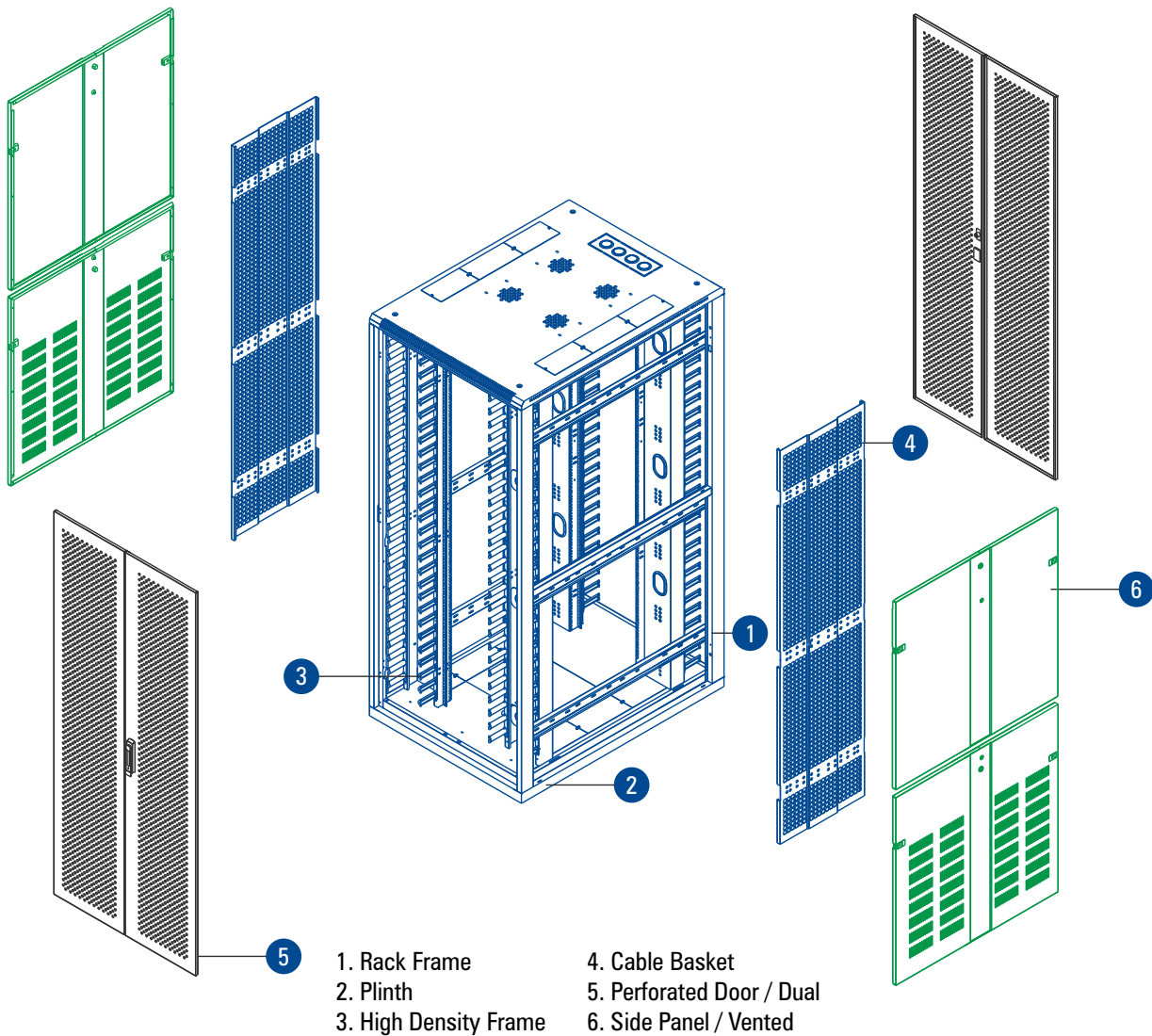
Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN Standard
- Adjustable mounting depth
- 4 No. Adjustable, 19" verticals with punched 10mm Square Hole and Universal 12.7mm – 15.875mm – 15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard)
- Powder coated finish with Seven tank pretreatment process meeting IS

Accessories:

- Shelf
- Shelf/Key Board
- Shelf/Sliding
- Angle Pair
- Cantilever Shelf
- Power Distribution Units

Technical Data:

Basic Frame	Steel Folded
Construction	CKD Type
Top & Bottom Cover	Bolted to Fame with Required Cut Outs
Front Door	Lockable Perforated Dual Steel Door
Rear Door	Lockable Perforated Dual Steel Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots.
Standard Finish	Powder Coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Free Standing on Plinth
Rack Standard	Conforms to DIN 41494 or Equipment Standard
Static Load	1500

Model Matrix & Dimensions

NHDC Series	H	h	W	w	D	d	Plinth Height(mm)
32U 900X800	1565	32U	900	19"	800	700	50/100
32U 900X1000	1565	32U	900	19"	1000	900	50/100
32U 900X1200	1565	32U	900	19"	1200	1100	50/100
32U 1000X1000	1565	32U	1000	19"	1000	900	50/100
32U 1000X1200	1565	32U	1000	19"	1200	1100	50/100
34U 900X800	1654	34U	900	19"	800	700	50/100
34U 900X1000	1654	34U	900	19"	1000	900	50/100
34U 900X1200	1654	34U	900	19"	1200	1100	50/100
34U 1000X1000	1654	34U	1000	19"	1000	900	50/100
34U 1000X1200	1654	34U	1000	19"	1200	1100	50/100
36U 900X800	1743	36U	900	19"	800	700	50/100
36U 900X1000	1743	36U	900	19"	1000	900	50/100
36U 900X1200	1743	36U	900	19"	1200	1100	50/100
36U 1000X1000	1743	36U	1000	19"	1000	900	50/100
36U 1000X1200	1743	36U	1000	19"	1200	1100	50/100
38U 900X800	1832	38U	900	19"	800	700	50/100
38U 900X1000	1832	38U	900	19"	1000	900	50/100
38U 900X1200	1832	38U	900	19"	1200	1100	50/100
38U 1000X1000	1832	38U	1000	19"	1000	900	50/100
38U 1000X1200	1832	38U	1000	19"	1200	1100	50/100
40U 900X800	1921	40U	900	19"	800	700	50/100
40U 900X1000	1921	40U	900	19"	1000	9001	50/100
40U 900X1200	1921	40U	900	19"	1200	100	50/100
40U 1000X1000	1921	40U	1000	19"	1000	900	50/100
40U 1000X1200	1921	40U	1000	19"	1200	1100	50/100
42U 900X800	2010	42U	900	19"	800	700	50/100
42U 900X1000	2010	42U	900	19"	1000	900	50/100
42U 900X1200	2010	42U	900	19"	1200	1100	50/100
42U 1000X1000	2010	42U	1000	19"	1000	900	50/100
42U 1000X1200	2010	42U	1000	19"	1200	1100	50/100

High Density Closed Rack Solutions

Model Matrix & Dimensions

NHDC Series	H	h	W	w	D	d	Plinth Height(mm)
44U 900X800	2099	44U	900	19"	800	700	50/100
44U 900X1000	2099	44U	900	19"	1000	900	50/100
44U 900X1200	2099	44U	900	19"	1200	1100	50/100
44U 1000X1000	2099	44U	1000	19"	1000	900	50/100
44U 1000X1200	2099	44U	1000	19"	1200	1100	50/100
45U 900X800	2143	45U	900	19"	800	700	50/100
45U 900X1000	2143	45U	900	19"	1000	900	50/100
45U 900X1200	2143	45U	900	19"	1200	1100	50/100
45U 1000X1000	2143	45U	1000	19"	1000	900	50/100
45U 1000X1200	2143	45U	1000	19"	1200	1100	50/100
47U 900X800	2232	47U	900	19"	800	700	50/100
47U 900X1000	2232	47U	900	19"	1000	900	50/100
47U 900X1200	2232	47U	900	19"	1200	1100	50/100
47U 1000X1000	2232	47U	1000	19"	1000	900	50/100
47U 1000X1200	2232	47U	1000	19"	1200	1100	50/100
48U 900X800	2276	48U	900	19"	800	700	50/100
48U 900X1000	2276	48U	900	19"	1000	900	50/100
48U 900X1200	2276	48U	900	19"	1200	1100	50/100
48U 1000X1000	2276	48U	1000	19"	1000	900	50/100
48U 1000X1200	2276	48U	1000	19"	1200	1100	50/100
50U 900X800	2365	50U	900	19"	800	700	50/100
50U 900X1000	2365	50U	900	19"	1000	900	50/100
50U 900X1200	2365	50U	900	19"	1200	1100	50/100
50U 1000X1000	2365	50U	1000	19"	1000	900	50/100
50U 1000X1200	2365	50U	1000	19"	1200	1100	50/100
52U 900X800	2454	52U	900	19"	800	700	50/100
52U 900X1000	2454	52U	900	19"	1000	900	50/100
52U 900X1200	2454	52U	900	19"	1200	1100	50/100
52U 1000X1000	2454	52U	1000	19"	1000	900	50/100
52U 1000X1200	2454	52U	1000	19"	1200	1100	50/100

Note :
1. Overall Height = Frame Height+Plinth
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

3

INTELLIGENT RACKS & COOLING SOLUTIONS

A. iRack - Self Cooled, Self Powerd & Self Contained Rack
B. Enclosures Cooling Solutions

NETRACK
ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Overview

iRack Series, a Self Cooled, Self Powered & Self Contained Rack

Trend towards having Intelligent Infra Capsules on Premises at Banking & Insurance Sector, Warehouses, Manufacturing sector & Educational Institutions made the Rack manufactures to think on concept of iRack. 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 9001-2008 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 NetRack integrate 3Kw 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 Configuration..

iRack equipped with Air-seal Kit, Blanking panels, Brush models and panels for complete Airflow management.

Available in 42RU Variants with 1200 Depth Configurations and 600 & 800 Width Configurations.

Intelligent Rack & Cooling Solutions

Hooter

Equipments

Cold Air

PAC Unit

Front View

Hot Air

PAC Unit

Rear View

Cold Air

Hot Air

Equipments
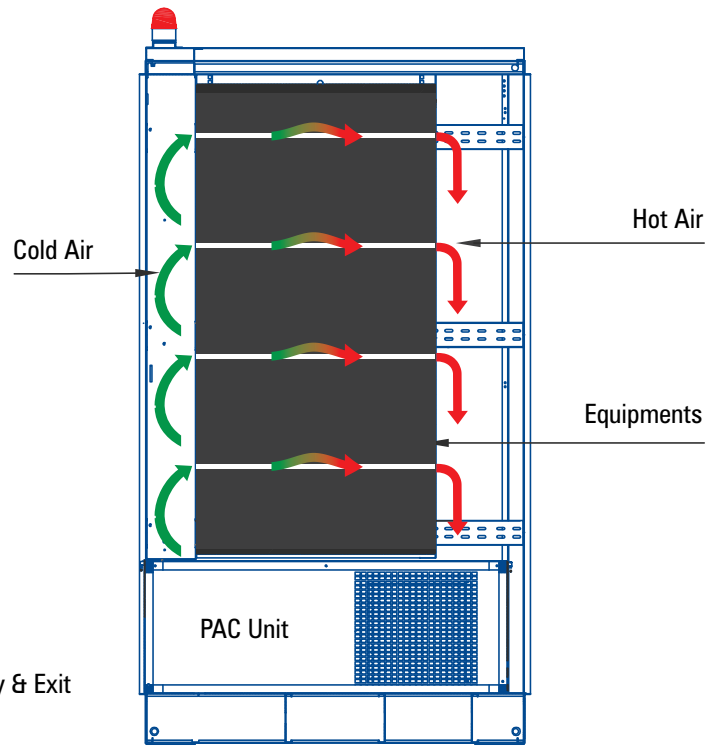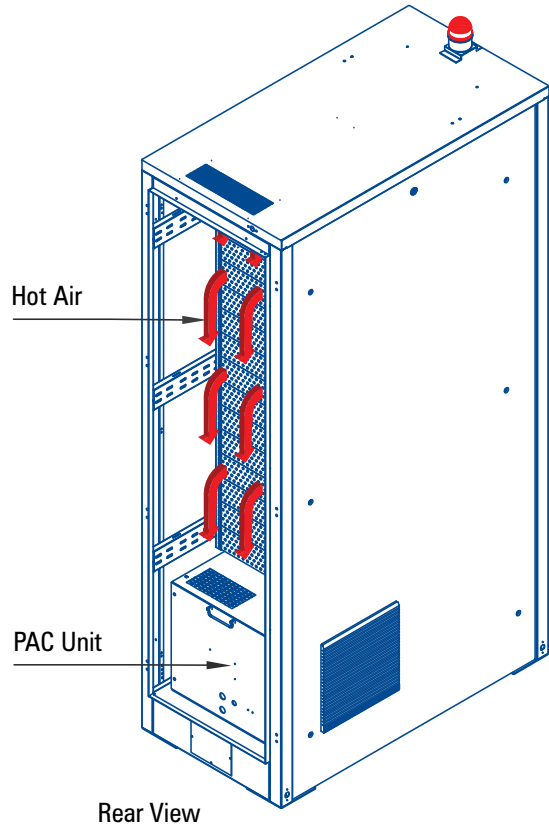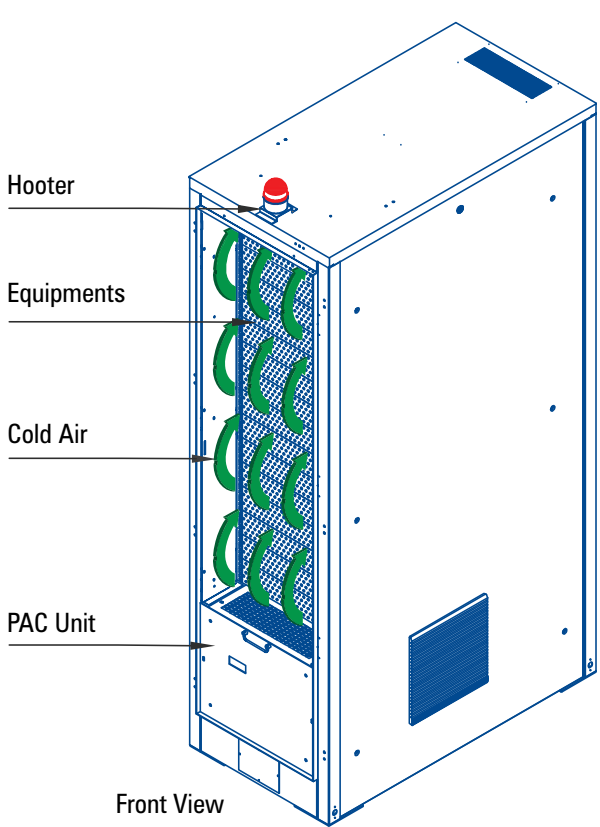
1. Completely Contained
2. IP 50 for Dust Protection
3. Airseal Kit & Blank Panel for Airflow Management
4. Gland Module for IP 50 Cable Entry & Exit
5. 3.25 Kw / PAC Unit

PAC Unit

Sectional Side View

Intelligent Rack & Cooling Solutions

iRack Series Configurator Drawing with Critical Parts

Rack UPS Unit
/ 3KVA UPS
with 30 min Back up

Rack AC Unit

1. Rack Frame
2. Glass Door
3. Metal Door
4. Side Panel
5. Power Strip
6. Universal Cable Basket
7. Front Air Seal Kit
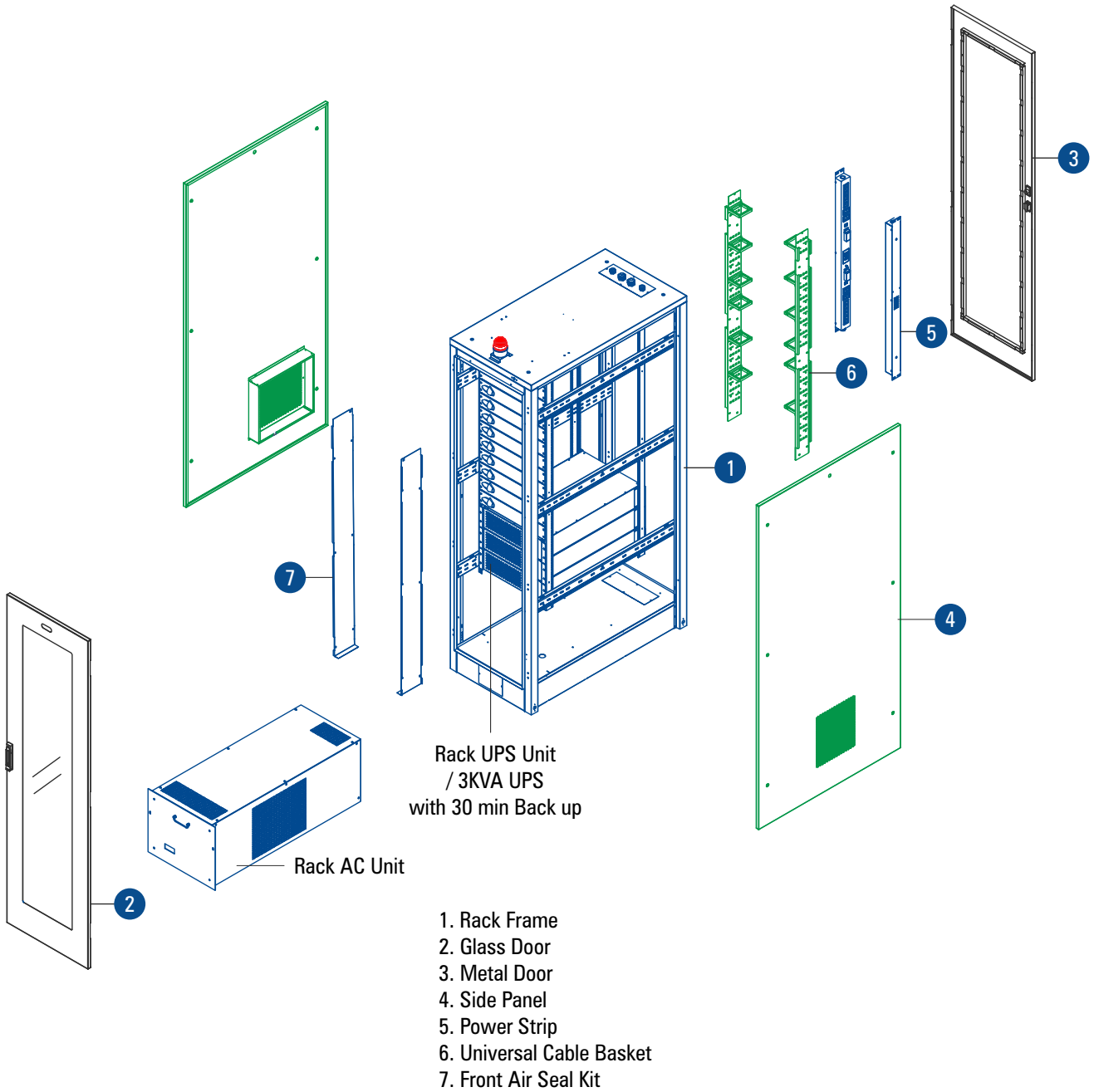
Features

- Precision Cooling unit
- UPS & Battery Bank
- Intelligent PDU for Power
- Surveillance & environmental management
- KVM & Console for server management
- Intelligent Rack Access for physical security
- STS for Power redundancy
- Alert /alarm in the event of temp high or low
- Rack carefully designed and configured as self contained with minimal cold air losses and thermal short circuit

Note: For cable entry / exit refer page No 234

Specifications	
Rack Load Capacity	1000 KG
Rack U Space	30 U
Rack Dimension	2100X600x1200
Cooling Capacity	2.5 KW
UPS Capacity	3KVA
UPS Back Up	30/60 Min
Rack Access Control	Available
Camera Based Surveillance	Available
Intelligent PDU	Available
Intelligent Climate Monitoring	Available
Analogue / Digital KVM	Available
Intelligent Asset Management	Available

Model Matrix & Dimensions							
iRack Series	H	h	W	w	D	d	Plinth
42U 600X1200	2010	42U	600	19"	1200	1100	Integrated to Frame
42U 800X1200	2010	42U	800	19"	1200	1100	Integrated to Frame

Note :
1. Overall Height = Frame Height+Plinth
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations
H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth
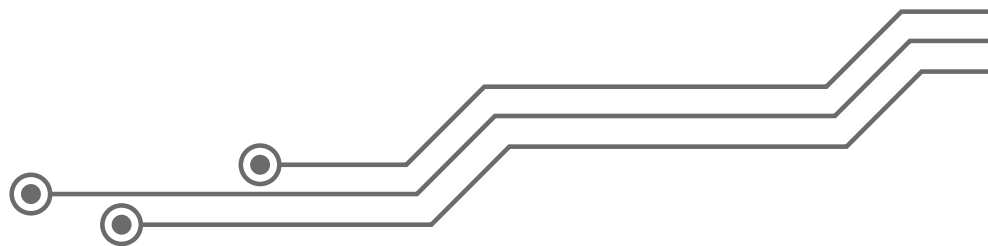
ENCLOSURES COOLING SOLUTIONS

Overview

Cooling of mission Critical IT equipments is very important and critical. Real challenge will be in the place where room is not air conditioned OR only comfort AC Installed and creating the AC for room will be very expensive and most of the time this may not required and not possible, typical examples are will be Ware-House, Shop-Floor, Cafeterias and So On.

To meet this challenge, NetRack offer 0.7 KW to 7 KW Panel Mount AC systems can be mounted on side panel or Front & Back Doors. Based on the site requirement and conditions the position of AC can be configured. Interestingly we can mount AC from XXU to 42U preferably on floor mount but 600 Watt Panel AC can be mounted on wall mount also.

Specifications	
Cooling Capacity	0.7 KW to 7KW
Rated Temperature	28 Deg C
Temperature Stability	2 Deg C
Operating Ambient Temperature	10 - 50 Deg C
Refrigerant	R 134a

Intelligent Rack & Cooling Solutions

Panel Mount AC Airflow Management

Hooter

Rack Frame

Hot Air

Cold Air

Hot Air

Cold Air

PAC Unit / xxxKW
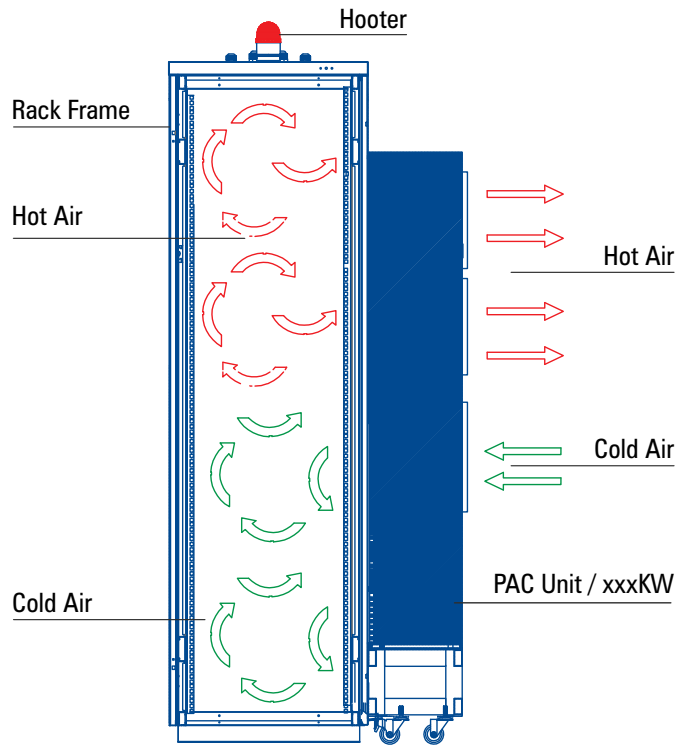
Panel Mount AC Configurator Drawing with Critical Parts

Hot Air

Cold Air

PAC Unit / xxxKW
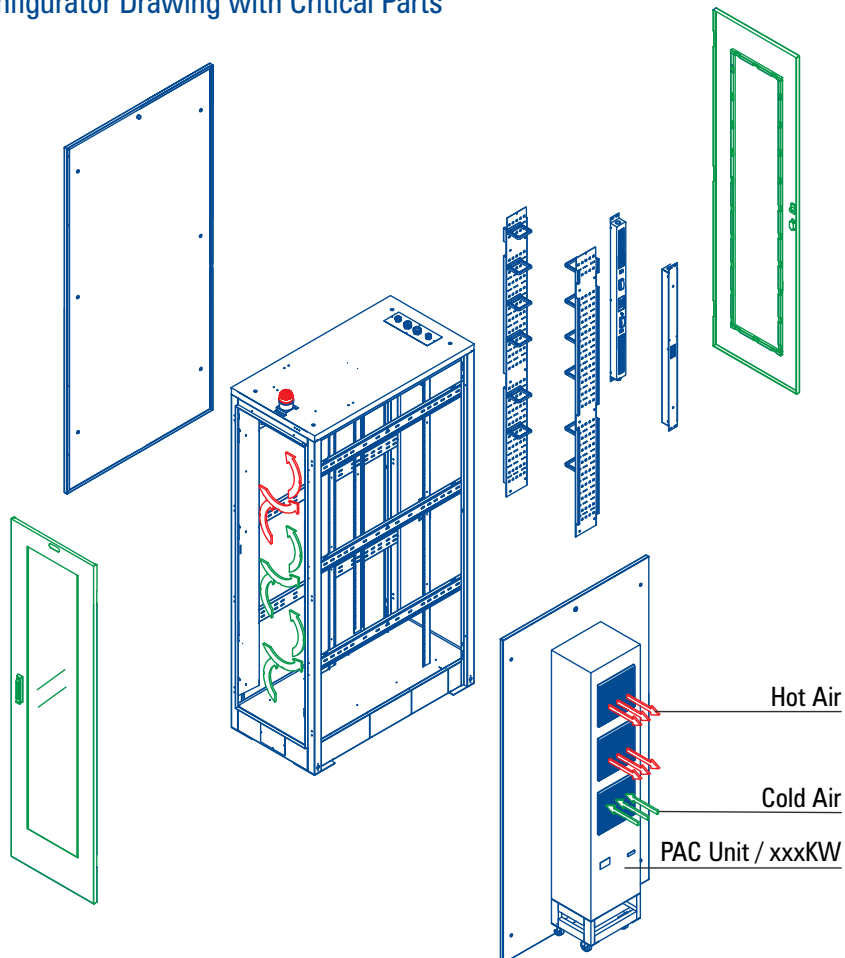
Features

- Enclosure will be IP50 protected and IT equipment's are protected against Dust
- Complete AC unit outside enclosure will ease the installation & maintenance
- Digital Display for quick review
- Eco-friendly refrigerant, R134a
- CE certified
- Simple implementation through an integrated design
- Easy to Operate and maintain

Model Matrix & Dimensions

Cooling Capacity	H	W	D
0.7 KW	550	300	250
1 KW	700	350	275
1.7 KW	950	335	215
2.3 KW	1400	400	275
3.4 KW	1400	400	275
7 KW	1550	500	400

Note: Dimension are in MM
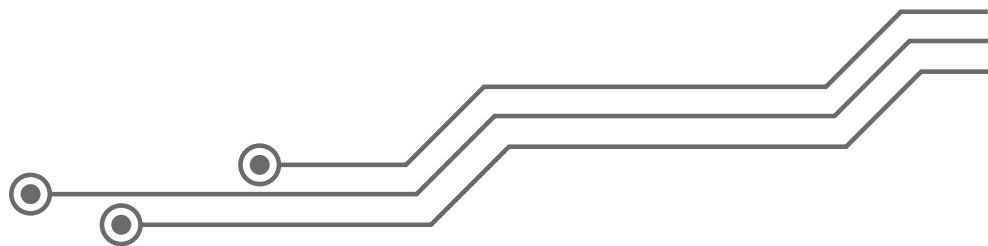
ACOUSTIRACK SOLUTIONS

A. Sound Proof Cabinet -
   Active Noise Cancellation

4

Acoustirack Solutions

Overview

AcoustiRACK™ Active – Server Room in a Cabinet

The AcoustiRACK™ ACTIVE (ARA™) is a soundproof, cabinet providing unprecedented levels of noise reduction up to 30 dB(A) with 8 KW of heat dissipation and dust protection for 19-inch servers and networking equipment. When combined with unique, high-quality acoustic materials, the ARA™ achieves previously unattainable spatial noise reduction over the entire frequency bandwidth of the audible spectrum.

Extreme energy consumption is the number one challenge facing data centers today. Using the ARA™, companies are freed from paying exorbitant energy bills to hyper-cool dedicated server rooms just to avoid equipment burnout. Employees are no longer faced with the myriad of physical and psychological ills associated with exposure to chronic noise pollution.

Available in 32RU & 42RU Variants with 1200 Depth Configurations and 600 width configurations.

Benefits

- ⦿ Gain the competitive edge – Offer your products without noise

- ⦿ Green your IT- Eliminate noise pollution and consume less energy

- ⦿ Instant ROI - Heat dissipation of upto 8 KW allows you to reset the thermostat to a normal level, dramatically reducing your electric bill. The ARA™ eliminates the need for dedicated server room so you can reclaim valuable square footage

- ⦿ Extends the life of your equipment – Constant temperature maintenance prevents machine burnout

- ⦿ Improve productivity - Employees work better due to a quieter, less stressful environment

Sound Proof Cabinet Powered by Silentium

The Active Silencer Fan Tray™ (ASFT™) is a fan drawer, designed for assisting ventilation by forcing air into and out of an enclosure, while preventing noise from escaping.

Reduced Noise Pollution Achieved By ARD™

Low Frequencies   High Frequencies

dB(A): 0, 10, 20, 30, 40, 50, 60, 70, 80

Frequency[Hz]: 100, 160, 250, 400, 630, 1000, 1600, 2500, 4000, 6300
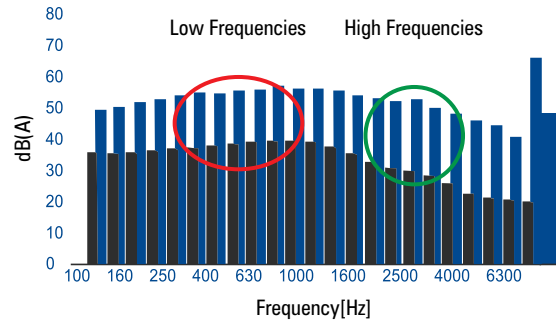
Model Matrix & Dimensions

AcoustiRack Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
32U 600X1200	1565	32U	600	19"	1200	1100	TYPE-3	50/100
42U 600X1200	2009	42U	600	19"	1200	1100	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Description	Height (mm)
TYPE-3	105

The unit is lined with acoustic material and equipped with Silentium's proprietary noise-cancelling technology which is highly effective in reducing low frequency noise. When combined with unique high quality acoustic materials this product achieves unprecedented spatial noise reduction over the entire frequency bandwidth of the audible spectrum.

This product is the most advanced solution for the growing IT noise problems faced by today's workforce. The ASFT™ reduces the auxiliary fans noise and the left installed equipment noise to the surrounding noise level.

AcoustiRack Configurator Drawing with Critical Parts
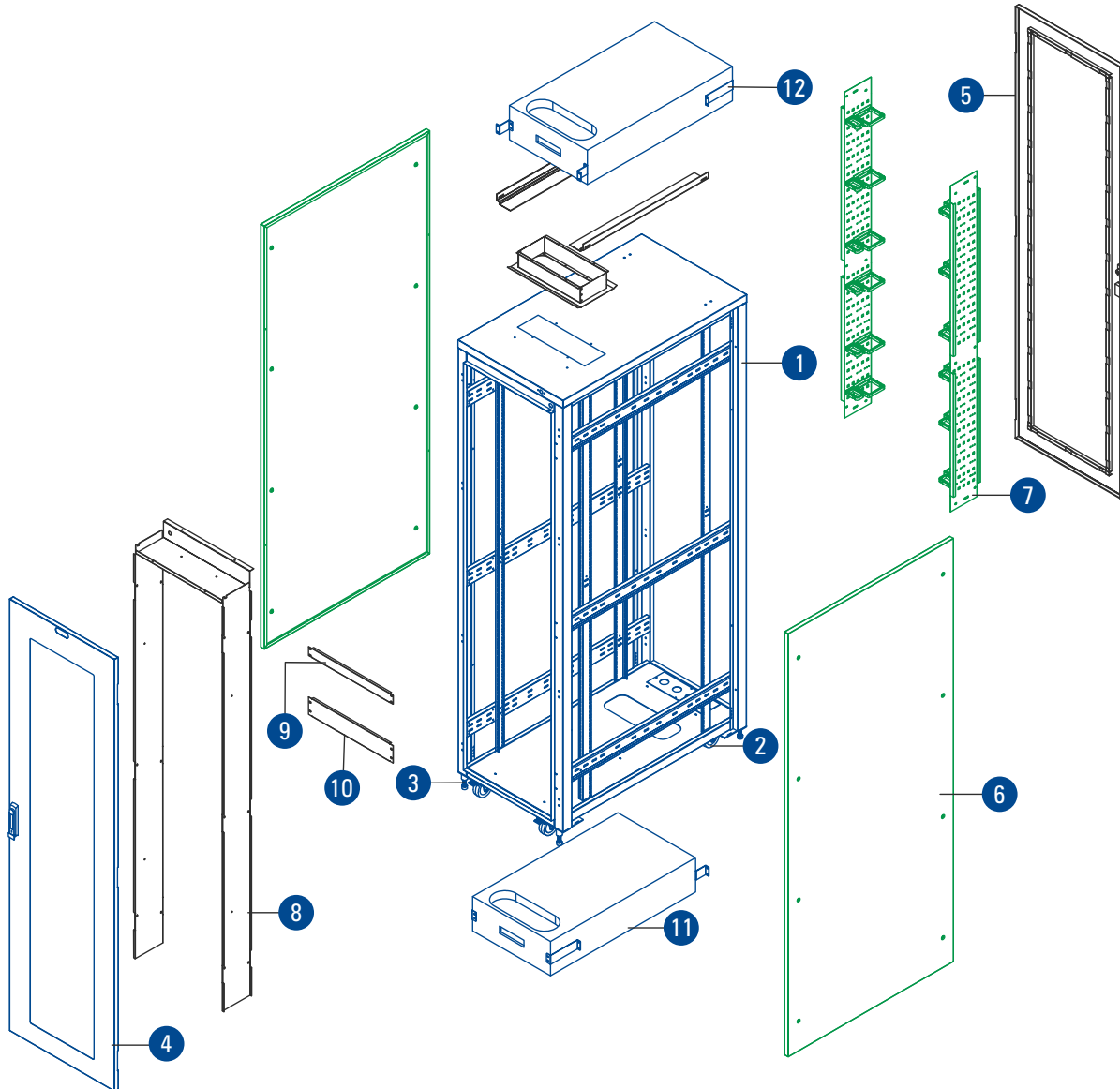
1. Rack Frame	7. Universal Cable Basket
2. Casters	8. Front Air Seal Kit
3. Levellers	9. Blank Panel / 1U
4. Glass Door	10. Blank Panel / 2U
5. Metal Door	11. ASFT / Suction / 4U / Bottom
6. Side Panel	12. ASFT/ Exhaust / 4U / Top

Note: For cable entry / exit refer page No 234

ARA™ Air Flow Characteristics

The ARA™ airflow design considerations were made to enable maximum noise reduction by using hybrid means. Simultaneously, the chance of inflicting damage to enclosed equipment is reduced by preventing hotspot and dissipating maximum heat under the constraint of keeping minimum total cost of the rack ownership.

Cool air is suctioned in through a fan tray at the bottom of the ARA™. The air is directed to the front of the unit, whereas a cool wall of air is formed and then flows through the equipment to the rear of the cabinet. The newly warm air is emitted out from the front of the cabinet through a second fan tray positioned at the top. This keeps continuous flow of fresh air through the ARA™ cabinet. The advantages of this design allows the user to place the rack close to a wall, high flexibility and save valuable space.
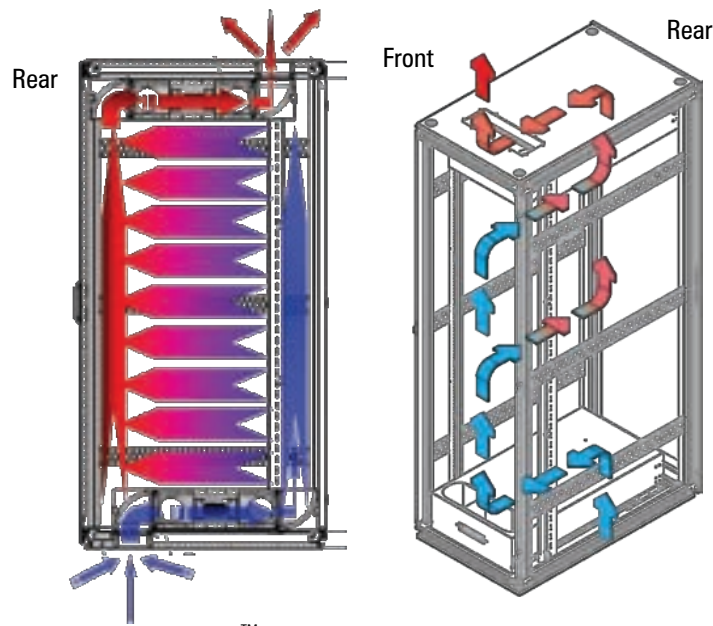
ARA™ Air Flow Characteristic

ARA™ 830 Technical Details

- Up to 30dB(A) broadband noise reduction
- Two Dustproof fans (each 24VDC)
- 360 CFM for each fan in free air, cumulative airflow is approx. 700CFM
- Soundproofing materials lining within significantly reduce the fan motor & installed equipment high frequency noise to approx. 30dBA
- Anti-vibration soft fan gasket
- Thermocouple fan speed control - the ASFT™ provides the customer with flexible airflow control
- Dimensions: 4U, 830(L)x445x(W)mm
- Power: 24v, 220W
- Input Socket: DC Connector
- CE, FCC compliance

5

OPEN RACK SOLUTIONS

A. NAOR 2 Post Series
B. NAOR 4 Post Series
C. NRFS Series
D. NRS & NRA 4 Post Open Frames
   (600 & 800 Wide Racks)

Overview

NAOR - 2 Post Series are Ultra rigid Racks for high density application for networking / labs / data Centres. These Racks are made of rugged aluminum profiles, individually powder coated and bolted with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system.

Standard for Racks configuration will be bolted frame with 2 or 4 Post. 4 Post will have adjustable Steel folded depth members to adjust the depth to meet site requirements. Available in 22RU~52U variants.
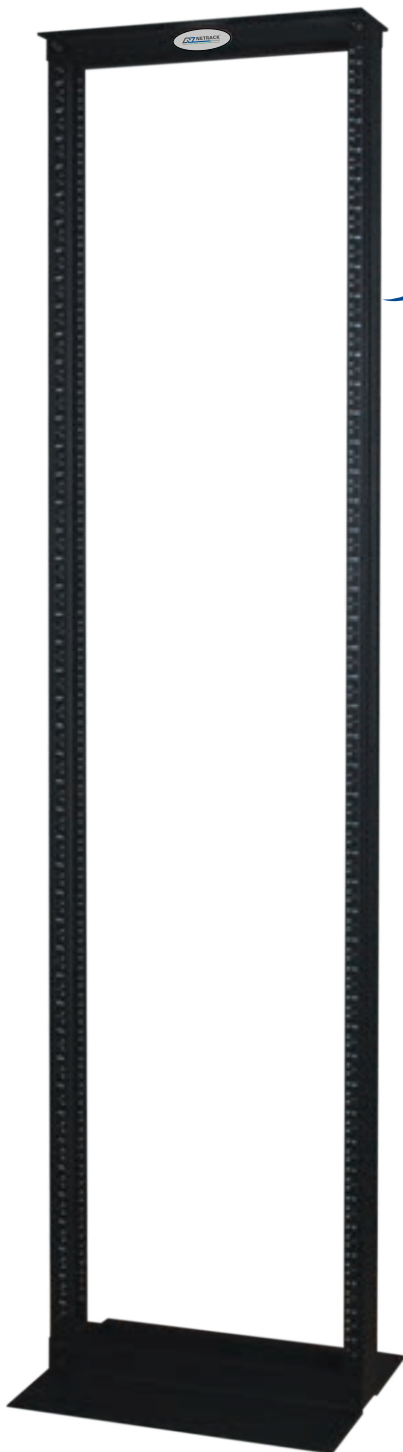
Standard U Marking

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN Standard
- High-strength, lightweight 6061-T6 aluminum extrusion constructions
- Two top angles and heavy-duty assembly hardware for a stronger rack to handle heavier loading
- 25 No. M6 mounting screws with combination Phillips/ straight heads and pilot points to reduce cross threading and installation time
- Unique packaging inserts eliminate damage from components hitting together in the carton during shipping and handling.
- Ease of assembling by high quality fasteners.
- Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- Panel Mounting Holes: M6 threads in both flanges
- Powder Coated or anodized provide a uniform appearance and protection against aluminum oxidation corrosion
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- Conductive M6 tapped DIN standard holes -100% assured conductivity within the rack. Eliminate separate grounding strip.
- Heavy duty bottom (160X60X8Th) MM & top angles (38X38X4.8Th) MM and C frames (32X75X5Th) MM to ensure up to 1500Kg static load capacity
- Custom configurations and assemblies available by special order
- Assembly hardware is included
- Weight capacity of 1500Kg Static (weight must be evenly distributed)

NAOR 2 Post Series Configurator Drawing with Critical Parts
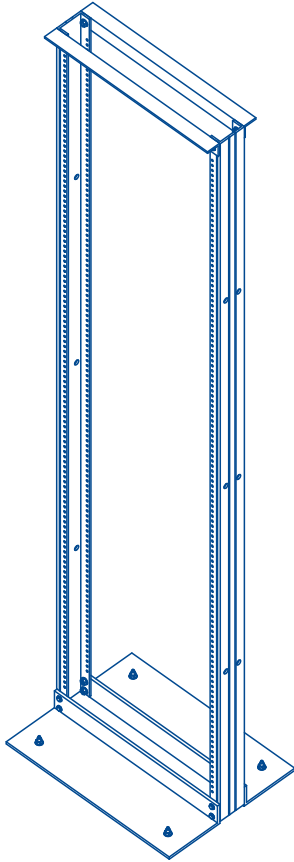
Accessories:
- Cable Oragnisers
- Power Distribution Units
- Shelves
- Rack Ground Kit
- Cable Runways
- Extended Leg / Castors

Note: Other Colour powder coating and Black Anodising on request

Technical Data:	
Basic Frame	Aluminium Section
Construction	CKD Type
Standard Finish	Power Coated
Standard Colour	Black
Standard Mounting	Grouting
Rack Standard	Conforms to DIN 41494 or Equivalent Standard
Static Load	1500 Kg

Model Matrix & Dimensions					
Descripion	Part No.	H	h	W	w
Open Rack/Aluminium-M6 Tapped 2Post/22U/Powder Coated/19"Din	NAOR-2-22-PC-19	1125	22U	514	450/19
Open Rack/Aluminium-M6 Tapped 2Post/36U/Powder Coated/19"Din	NAOR-2-36-PC-19	1747	36U	514	450/19
Open Rack/Aluminium-M6 Tapped 2Post/42U/Powder Coated/19"Din	NAOR-2-42-PC-19	2013	42U	514	450/19
Open Rack/Aluminium-M6 Tapped 2Post/45U/Powder Coated/19"Din	NAOR-2-45-PC-19	2147	45U	514	450/19
Open Rack/Aluminium-M6 Tapped 2Post/48U/Powder Coated/19"Din	NAOR-2-48-PC-19	2281	48U	514	450/19
Open Rack/Aluminium-M6 Tapped 2Post/52U/Powder Coated/19"Din	NAOR-2-52-PC-19	2458	52U	514	450/19

Note :
1. Overall Height = Frame Height+Plinth or Caster. Other models can be manufactured on request
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations
H - Overall height   h - Usable height   W - Overall width   w - Usable width

Standard U marking

NAOR 4 Post Series Configurator Drawing with Critical Parts
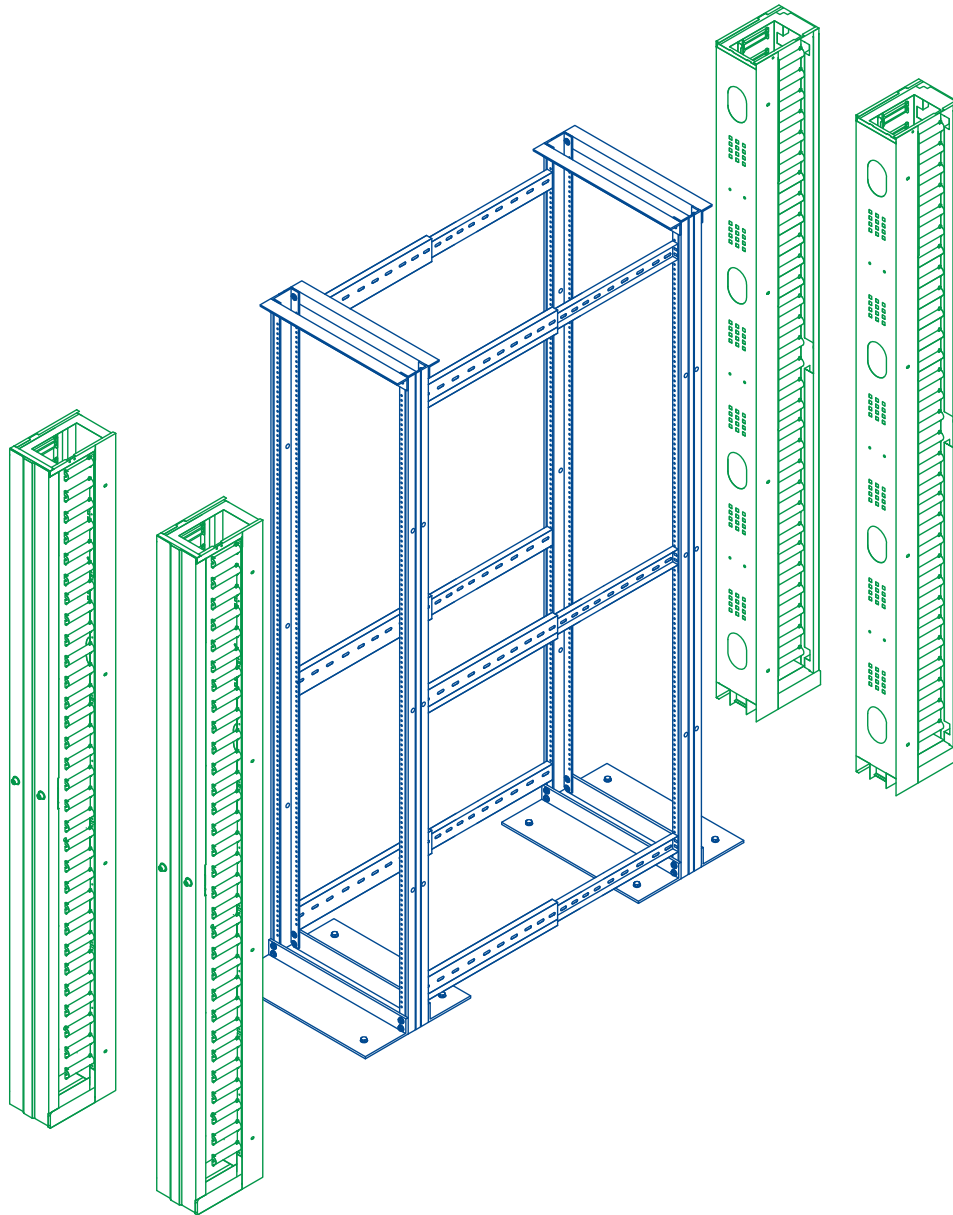
Features

- Made of Heavy Aluminum sections
- Open architecture for easy access to cable and unrestricted air flow
- Adjustable depth 650 to 850 mm to suite site conditions
- Standard U Markings for fast equipment mounting
- Static Load 1500 Kg
- Ability to add cable organisers for cable organising and routing

Technical Data:

Basic Frame	Aluminium Section
Construction	CKD Type
Standard Finish	Powder Coated
Standard Colour	Black
Standard Mounting	Grouting
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	1500 Kg

Model Matrix & Dimensions

Descripion	Part No.	H	h	W	w
OPEN RACK/Aluminium-M6 Tapped 4Post/22U/Powder Coated/19"DIN	NAOR-4-22-PC-19	1125	22U	514	450
OPEN RACK/Aluminium-M6 Tapped 4Post/36U/Powder Coated/19"DIN	NAOR-4-36-PC-19	1747	36U	514	450
OPEN RACK/Aluminium-M6 Tapped 4Post/42U/Powder Coated/19"DIN	NAOR-4-42-PC-19	2013	42U	514	450
OPEN RACK/Aluminium-M6 Tapped 4Post/45U/Powder Coated/19"DIN	NAOR-4-45-PC-19	2147	45U	514	450
OPEN RACK/Aluminium-M6 Tapped 4Post/48U/Powder Coated/19"DIN	NAOR-4-48-PC-19	2281	48U	514	450

Note:
1. It is recommended to distribute the Load along with U space in the Rack
2. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width
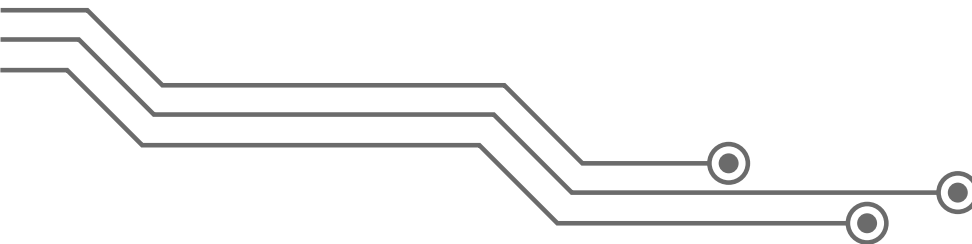
NRFS Series
NRS & NRA 4 Post Open Frames

Overview

NRFS - 4 Post Series are Rigid racks designed for Combined Networking & Equipment Mounting, Server or for Lab application which requires 4 post frame with low, medium or high density cable management. The Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 90012008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded rigid frame with 4 no Pillars of 14 Gauge steel sheet 5 folded profile welded to top and bottom cover additionally supported depth wise by welding 6 No. depth rail 4 folded 75mm 16 Gauge profile with optional side panels. Recommended to grout on floor with plinth.

Available in 42RU~52RU Variants with 800 & 1000 Depth configurations and 600 Width configurations

NETRACK ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Open Rack Solutions

NRFS 4 Post Series Configurator Drawing with Critical Parts

1. Frame
2. Plinth
3. HDVCO
4. Cable Basket

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard

- Adjustable mounting depth

- 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space

- Numbered U positions

- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry

- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)

- Powder coated finish with Seven tank pretreatment process meeting ASTM standard

- Grounding & Bonding Options

Accessories:

- Fixed Shelf
- Sliding Shelf
- Cantilever Shelf

- Shelf / Key Board
- PDU
- Vertical / Horizontal Cable Oragnisers

- Grounding & Bonding Accessories
- Runway & Accessories
- Cable Basket

Open Rack Solutions

Technical Data:

Basic Frame	Steel folded
Construction	Welded
Top & Bottom Cover	Welded to frame
Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Square holes
Standard Finish	Powder Coated
Standard Colour	Black
Standard Mounting	Plinth or Casters & Levelers
Rack Standard	DIN 41494 or equivalent standard
Static Load	1250 Kg

Model Matrix & Dimensions

Descripion	Part No.	H	h	W	w	D	d
4 Post Frame/Steel/600X800/42U Powder Coated/Plinth	NRFS-600800 42-PC-P	2013	42U	600	19	800	750
4 Post Frame/Steel/600X1000/42U Powder Coated/Plinth	NRFS-6001000 42-PC-P	2013	42U	600	19	1000	950
4 Post Frame/Steel/600X800/45U Powder Coated/Plinth	NRFS-600800 45-PC-P	2145	45U	600	19	800	750
4 Post Frame/Steel/600X1000/45U Powder Coated/Plinth	NRFS-6001000 45-PC-P	2145	45U	600	19	1000	950
4 Post Frame/Steel/600X800/48U Powder Coated/Plinth	NRFS-600800 48-PC-P	2278	48U	600	19	800	750
4 Post Frame/Steel/600X1000/48U Powder Coated/Plinth	NRFS-6001000 48-PC-P	2278	48U	600	19	1000	950
4 Post Frame/Steel/600X800/52U Powder Coated/Plinth	NRFS-600800 52-PC-P	2456	52U	600	19	800	750
4 Post Frame/Steel/600X1000/52U Powder Coated/Plinth	NRFS-6001000 52-PC-P	2456	52U	600	19	1000	950

Note:
1. ETSI Std. Racks and other models can be manufactured on request
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

NETRACK
ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Open Rack Solutions

Overview

NRS Series standard for Racks configuration will be welded frame with 4 No. Pillars made of formed steel profile welded to top and bottom ribbed / reinforced frame additionally supported depth wise by 6 No depth rail 4 folded profile. Free standing on floor with 4 No casters wheels with 2 Nos. with brakes and 2 Nos. without brakes & with levelers or plinth.

NRA Series standard for Racks configuration will be bolted frame with 4 No. Pillars made of aluminum extruded profile bolted to top and bottom ribbed / reinforced frame additionally supported depth wise by 6 no depth rail 4 folded profile. Free standing on floor with 4 No casters wheels with 2 Nos. with brakes and 2 Nos. without brakes & with levelers or plinth.
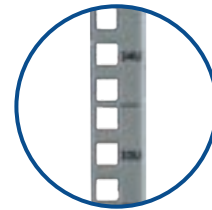
Standard U marking

Available in 42 RU Variants with 650, 800,1000 & 1200 Deep configurations and 600 Width configurations.

NRS/NRA - 4 Post 600 Wide Rack Configurator Drawing with Critical Parts

Top Cover

Vertical Cable Organiser / Loop

NRA 600 mm Width Rack

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount provision on top cover

Accessories:

- Fixed Shelf
- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf

- Power Distribution Units
- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit

- Plinth
- Casters
- Levellers
- Cable Basket

Technical Data:	
Basic Frame	NRA - Composite (Aluminium Section & Steel), NRS - Steel folded
Construction	NRA - CKD Type, NRS - Welded OR CKD design
Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off white OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750Kg with casters, 1250Kg with Levelers / Plinth

Note:
1. For model matrix refer NRS/NRA series page No 169, 170, 183, 184

Overview

NRS Series standard for Racks configuration will be welded frame with 4 No. Pillars made of formed steel profile welded to top and bottom ribbed / reinforced frame additionally supported depth wise by 6 No depth rail 4 folded profile. Free standing on floor with 4 No. casters wheels with 2 Nos. with brakes and 2 Nos. without brakes & with levelers OR plinth.

NRA Series standard for Racks configuration will be bolted frame with 4 No. Pillars made of aluminium extruded profile bolted to top and bottom ribbed / reinforced frame additionally supported depth wise by 6 no depth rail 4 folded profile. Free standing on floor with 4 No casters wheels with 2 Nos. with brakes and 2 Nos. without brakes & with levelers OR plinth.
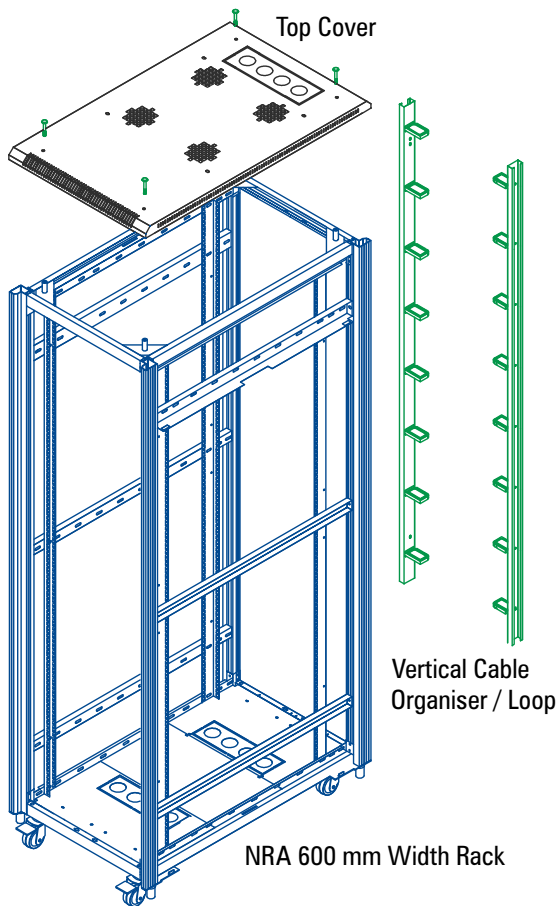
Available in 42 RU Variants with 800,1000 & 1200 Depth configurations and 800 Width configurations.

NRS/NRA - 4 Post 800 Wide Rack Configurator Drawing with Critical Parts

NRA 800 mm Width Rack

1. Frame
2. Top Cover
3. 19" Adapter Kit / Loops
4. 19" Adapter Kit / Closed / Door

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with Seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount Provision on top Cover

Open Rack Solutions

Accessories:

- Fixed Shelf
- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf

- Power Distribution Units
- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit

- Plinth
- Casters
- Levellers
- Cable Basket

Technical Data:	
Basic Frame	NRA - Composite (Aluminium Section & Steel), NRS - Steel folded
Construction	NRA - CKD Type, NRS - Welded OR CKD design
Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots.
Standard Finish	Powder coated
Standard Colour	Grey & Off white OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth.
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750Kg with casters, 1250Kg with Levelers / Plinth.

Note:
1. For model matrix refer NRS/NRA series page No 175, 176, 189, 190

6
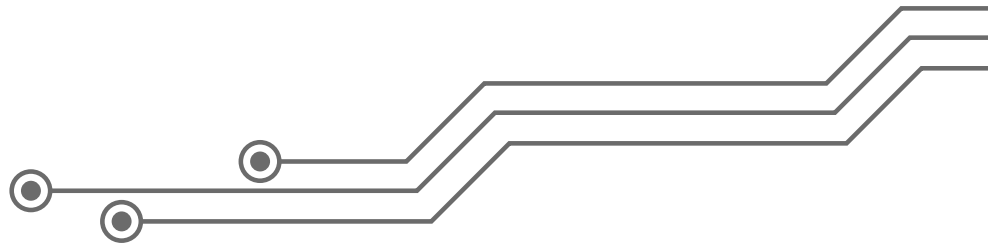
HIGH DENSITY CABLE MANAGEMENT SOLUTIONS

A. High Density Vertcal Cable
Organisers HDVCO Series
B. High Density Horizontal Cable
Organisers - HDHCO Series

Overview

HDVCO Specially designed to meet the challenges of high density cable management due to increase of cable volume and more due to introduction of angular jack panel.

Cable organizer frame manufactured out of steel sheet punched, formed, welded and Powder coated and Doors made of aluminum sheet punched formed and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard configuration will be 6 Inch, 8 Inch, 12 Inch & 15 Inch with unique double hinge door on Front & Back, ABS semicircular finger module & ABS spools for cable management. Available in Front & Front & Back Variants.

High Density Cable Management Solutions

High Density Cable Management Solutions

HDVCO Series Configurator Drawing with Critical Parts
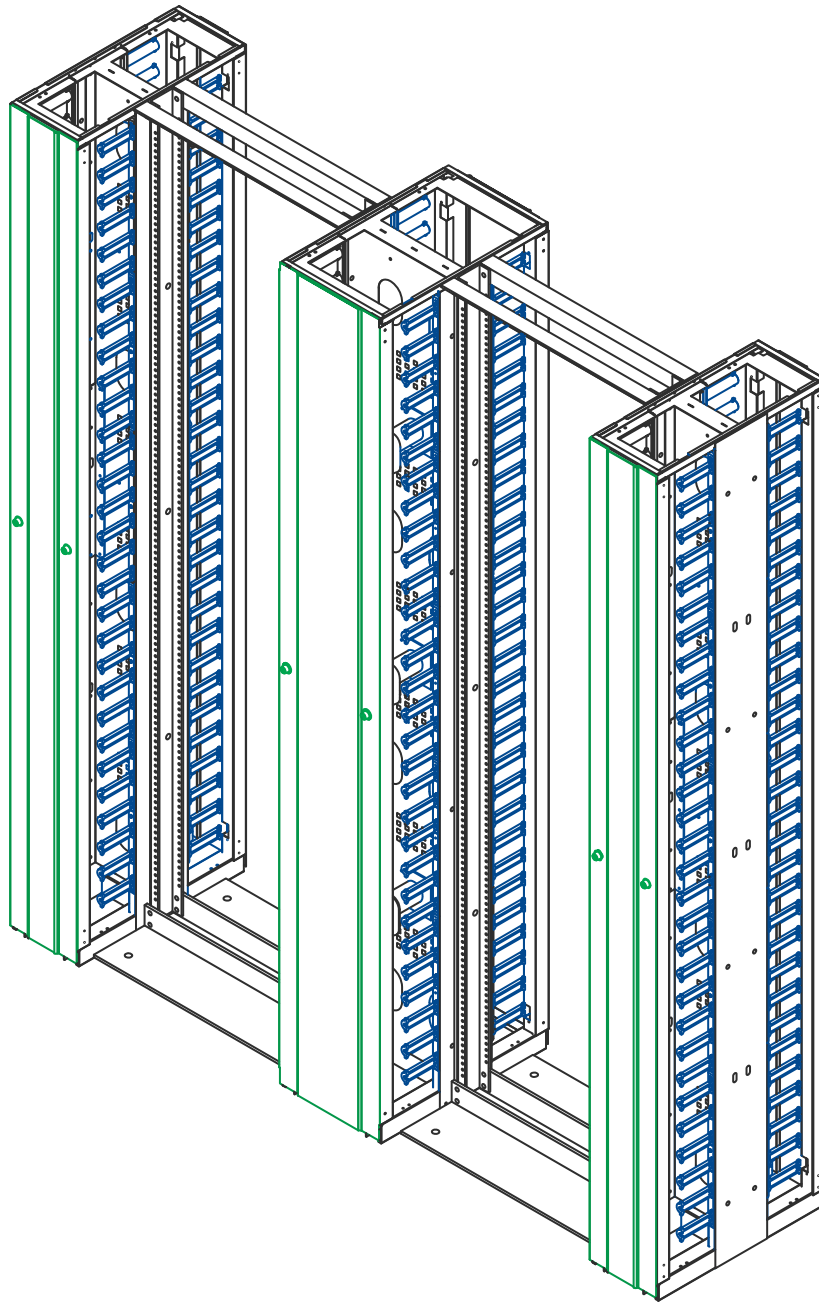
Features

- Composite construction basic frame-Steel powder coated and fingers made of ABS for high strength to carry large quantity cables.
- Cable spools and Slots in centre support member for large quantity cable management.
- Semicircular ABS fingers assure no cable damage.
- Unique double hinge design door at front and back to open door from left to right or right to left for easy cable management.
- The vertical cable organiser free standing on floor and bolted to open rack for better alignment and aesthetic looks.

High Density
Vertical Cable Organiser / Type 1

High Density
Vertical Cable Organiser

High Density Cable Management Solutions

High Density Cable Management Solutions

Model Matrix & Dimensions

Description	Part No	H	h	W(Inch)	D(Inch)
High Density Vertical Cable Organiser/Type1/6 inch/Front/22U	MDVCO-6-F-22	1125	22U	6	10-INCH
High Density Vertical Cable Organiser Type1/6 inch/Front & Back/ 22U	MDVCO-6-FB-22	1125	22U	6	20-INCH
High Density Vertical Cable Organiser/Type1/6 inch/Front/36U	MDVCO-6-F-36	1747	36U	6	10-INCH
High Density Vertical Cable Organiser Type1/6 inch/Front & Back/ 36U	MDVCO-6-FB-36	1747	36U	6	20-INCH
High Density Vertical Cable Organiser/Type1/6 inch/Front/42U	MDVCO-6-F-42	2013	42U	6	10-INCH
High Density Vertical Cable Organiser Type1/6 inch/Front & Back/42U	MDVCO-6-FB-42	2013	42U	6	20-INCH
High Density Vertical Cable Organiser/Type1/6 inch/Front/45U	MDVCO-6-F-45	2147	45U	6	10-INCH
High Density Vertical Cable Organiser Type1/6 inch/Front & Back/45U	MDVCO-6-FB-45	2147	45U	6	20-INCH
High Density Vertical Cable Organiser/Type1/6 inch/Front/48U	MDVCO-6-F-48	2280	48U	6	10-INCH
High Density Vertical Cable Organiser Type1/6 inch/Front & Back/48U	MDVCO-6-FB-48	2280	48U	6	20-INCH
High Density Vertical Cable Organiser/Type1/6 inch/Front/52U	MDVCO-6-F-52	2458	52U	6	10-INCH
High Density Vertical Cable Organiser Type1/6 inch/Front & Back/52U	MDVCO-6-FB-52	2458	52U	6	20-INCH
High Density Vertical Cable Organiser/6 inch/Front/36U	HDVCO-6-F-36	1747	36U	6	10-INCH
High Density Vertical Cable Organiser/6 inch/Front& Back/36U	HDVCO-6-FB-36	1747	36U	6	20-INCH
High Density Vertical Cable Organiser/6 inch/Front/42U	HDVCO-6-F-42	2013	42U	6	10-INCH
High Density Vertical Cable Organiser/6 inch/Front & Back/42U	HDVCO-6-FB-42	2013	42U	6	20-INCH
High Density Vertical Cable Organiser/6 inch/Front/45U	HDVCO-6-F-45	2147	45U	6	10-INCH
High Density Vertical Cable Organiser/6 inch/Front & Back/45U	HDVCO-6-FB-45	2147	45U	6	20-INCH

Model Matrix & Dimensions

Description	Part No	H	h	W(Inch)	D(Inch)
High Density Vertical Cable Organiser/6 inch/Front/48U	HDVCO-6-F-48	2280	48U	6	10-INCH
High Density Vertical Cable Organiser/6 inch/Front & Back/48U	HDVCO-6-FB-48	2280	48U	6	20-INCH
High Density Vertical Cable Organiser/6 inch/Front/52U	HDVCO-6-F-52	2458	52U	6	10-INCH
High Density Vertical Cable Organiser/6 inch/Front & Back/52U	HDVCO-6-FB-52	2458	52U	6	20-INCH
High Density Vertical Cable Organiser/8 inch/Front/22U	HDVCO-8-F-22	1125	22U	8	10-INCH
High Density Vertical Cable Organiser/8 inch/Front & Back/22U	HDVCO-8-FB-22	1125	22U	8	20-INCH
High Density Vertical Cable Organiser/8 inch/Front/36U	HDVCO-8-F-36	1747	36U	8	10-INCH
High Density Vertical Cable Organiser/8 inch/Front & Back/36U	HDVCO-8-FB-36	1747	36U	8	20-INCH
High Density Vertical Cable Organiser/8 inch/Front/42U	HDVCO-8-F-42	2013	42U	8	10-INCH
High Density Vertical Cable Organiser/8 inch/Front & Back/42U	HDVCO-8-FB-42	2013	42U	8	20-INCH
High Density Vertical Cable Organiser/8 inch/Front/45U	HDVCO-8-F-45	2147	45U	8	10-INCH
High Density Vertical Cable Organiser/8 inch/Front & Back/45U	HDVCO-8-FB-45	2147	45U	8	20-INCH
High Density Vertical Cable Organiser/8 inch/Front/48U	HDVCO-8-F-48	2280	48U	8	10-INCH
High Density Vertical Cable Organiser/8 inch/Front & Back/48U	HDVCO-8-FB-48	2280	48U	8	20-INCH
High Density Vertical Cable Organiser/8 inch/Front/52U	HDVCO-8-F-52	2458	52U	8	10-INCH
High Density Vertical Cable Organiser/8 inch/Front & Back/52U	HDVCO-8-FB-52	2458	52U	8	20-INCH
High Density Vertical Cable Organiser/12 inch/Front/22U	HDVCO-12-F-22	1125	22U	12	10-INCH
High Density Vertical Cable Organiser/12 inch/Front & Back/22U	HDVCO-12-FB-22	1125	22U	12	20-INCH

High Density Cable Management Solutions

Model Matrix & Dimensions

Description	Part No	H	h	W(Inch)	D(Inch)
High Density Vertical Cable Organiser/12 inch/Front/36U	HDVCO-12-F-36	1747	36U	12	10-INCH
High Density Vertical Cable Organiser/12 inch/Front & Back/36U	HDVCO-12-FB-36	1747	36U	12	20-INCH
High Density Vertical Cable Organiser/12 inch/Front/42U	HDVCO-12-F-42	2013	42U	12	10-INCH
High Density Vertical Cable Organiser/12 inch/Front & Back/42U	HDVCO-12-FB-42	2013	42U	12	20-INCH
High Density Vertical Cable Organiser/12 inch/Front/45U	HDVCO-12-F-45	2147	45U	12	10-INCH
High Density Vertical Cable Organiser/12inch/Front & Back/45U	HDVCO-12-FB-45	2147	45U	12	20-INCH
High Density Vertical Cable Organiser/12 inch/Front/48U	HDVCO-12-F-48	2280	48U	12	10-INCH
High Density Vertical Cable Organiser/12 inch/Front & Back/48U	HDVCO-12-FB-48	2280	48U	12	20-INCH
High Density Vertical Cable Organiser/12 inch/Front/52U	HDVCO-12-F-52	2458	52U	12	10-INCH
High Density Vertical Cable Organiser/12 inch/Front & Back/52U	HDVCO-12-FB-52	2458	52U	12	20-INCH
High Density Vertical Cable Organiser/15 inch/Front/22U	HDVCO-15-F-22	1125	22U	15	10-INCH
High Density Vertical Cable Organiser/15 inch/Front & Back/22U	HDVCO-15-FB-22	1125	22U	15	20-INCH
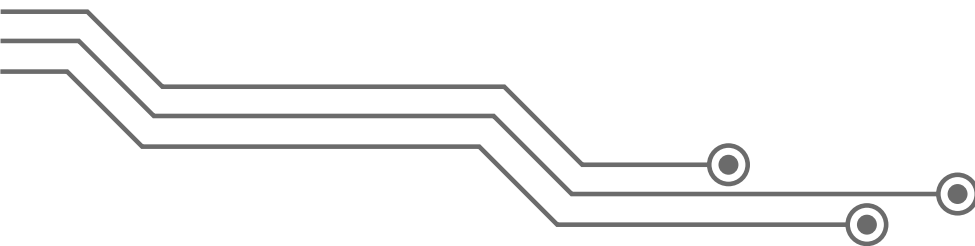
High Density Cable Management Solutions

Model Matrix & Dimensions

Description	Part No	H	h	W(Inch)	D(Inch)
High Density Vertical Cable Organiser/15 inch/Front & Back/36U	HDVCO-15-F-36	1747	36U	15	10-INCH
High Density Vertical Cable Organiser/15 inch/Front & Back/36U	HDVCO-15-FB-36	1747	36U	15	20-INCH
High Density Vertical Cable Organiser/15 inch/Front/42U	HDVCO-15-F-42	2013	42U	15	10-INCH
High Density Vertical Cable Organiser/15 inch/Front & Back/42U	HDVCO-15-FB-42	2013	42U	15	20-INCH
High Density Vertical Cable Organiser/15 inch/Front/45U	HDVCO-15-F-45	2147	45U	15	10-INCH
High Density Vertical Cable Organiser/15 inch/Front & Back/45U	HDVCO-15-FB-45	2147	45U	15	20-INCH
High Density Vertical Cable Organiser/15 inch/Front/48U	HDVCO-15-F-48	2280	48U	15	10-INCH
High Density Vertical Cable Organiser/15 inch/Front & Back/48U	HDVCO-15-FB-48	2280	48U	15	20-INCH
High Density Vertical Cable Organiser/15 inch/Front/52U	HDVCO-15-F-52	2458	52U	15	10-INCH
High Density Vertical Cable Organiser/15 inch/Front & Back/52U	HDVCO-15-FB-52	2458	52U	15	20-INCH

Note:
1. It is recommended to distribute the Load along with U space in the Rack
2. Dimension are in MM

High Density Cable Management Solutions
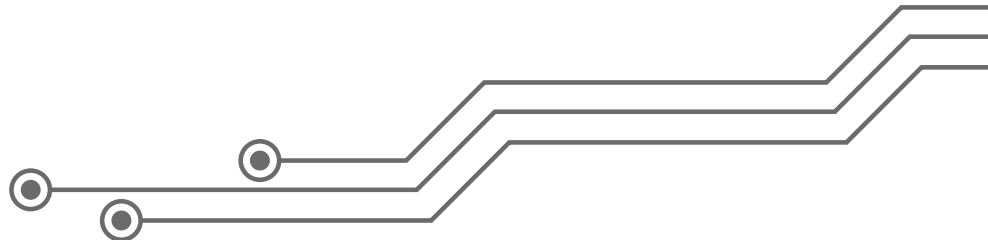
Overview

HDHCO Specially designed to meet the challenges of high density cable management due to increase no. of patch panel per Rack and also introduction of angular jack panel

Cable organizer composite of Aluminum and ABS with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard configuration will be 2U, 3U & 4U with ABS finger module for cable management with unique double hinge door Available in Front or Front & Back Variants
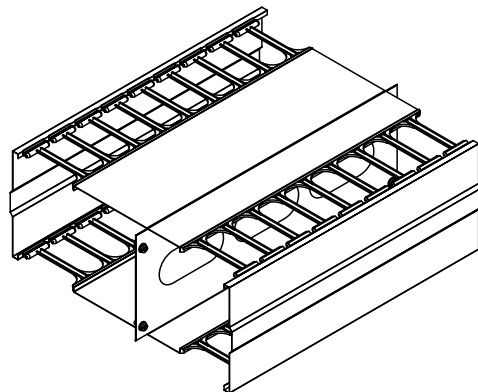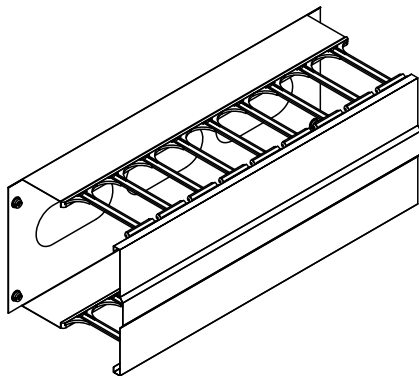
Model Matrix & Dimensions

Description	Part No.	W	D	U Space
High Density Horizontal Cable Organiser/150/2U/Front	HDHCO-2-150-F	483	150	2U
High Density Horizontal Cable Organiser/300/2U/Front & Back	HDHCO-2-150-150-FB	483	300	2U
High Density Horizontal Cable Organiser/150/3U/Front	HDHCO-3-150-F	483	150	3U
High Density Horizontal Cable Organiser/300/3U/Front & Back	HDHCO-3-150-150-FB	483	300	3U
High Density Horizontal Cable Organiser/150/4U/Front	HDHCO-4-150-F	483	150	4U
High Density Horizontal Cable Organiser/300/4U/Front & Back	HDHCO-4-150-150-FB	483	300	4U
High Density Horizontal Cable Organiser/200/2U/Front	HDHCO-2-200-F	483	200	2U
High Density Horizontal Cable Organiser/475/2U/Front & Back	HDHCO-2-200275-FB	483	475	2U
High Density Horizontal Cable Organiser/200/3U/Front	HDHCO-3-200-F	483	200	3U
High Density Horizontal Cable Organiser/475/3U/Front & Back	HDHCO-3-200275-FB	483	475	3U
High Density Horizontal Cable Organiser/200/4U/Front	HDHCO-4-200-F	483	200	4U
High Density Horizontal Cable Organiser/475/4U/Front & Back	HDHCO-4-200275-FB	483	475	4U

Note:

1. It is recommended to distribute the Load along with U space in the Rack

2. Dimension are in MM

CABLE MANAGEMENT & UNIVERSAL RUNWAY SOLUTIONS

7

A. Universal Runway Systems
B. Universal Runway Accessories
C. Runway Kits
D. Vertical and Horizontal Cable Organizers

NETRACK ENCLOSURES
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Cable Management & Universal Runway Solutions

Overview

Cable Runway is vital part of cable management of horizontal & backbone cable in IT infrastructure. NetRack offers Runway & accessories, which are completely modular, made of Special profile steel tube with high strength and low weight to minimize deflections with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

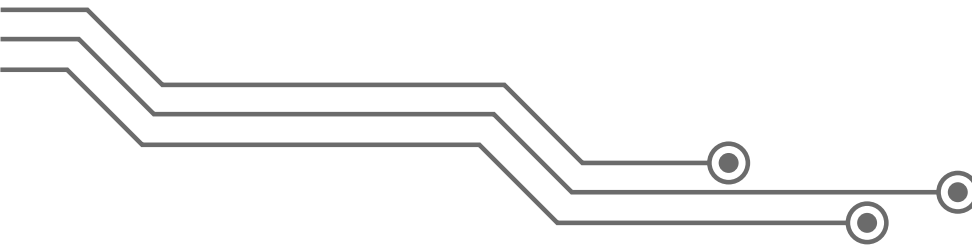Standard Runway available in 12, 18, 20 & 24 Inch configuration to handle different volume of cables NetRack Offers complete range of accessories to fix the Runway above the rack or on the Rack or Below the ceiling and complete management.

Ceiling Mounting Kit

Tee Radius Bend

Water Fall Kit

Radius Drop

Ell Radius Bend

Joint Clamp

Rack Ladder Mounting Kit

Intersection Radius Bend
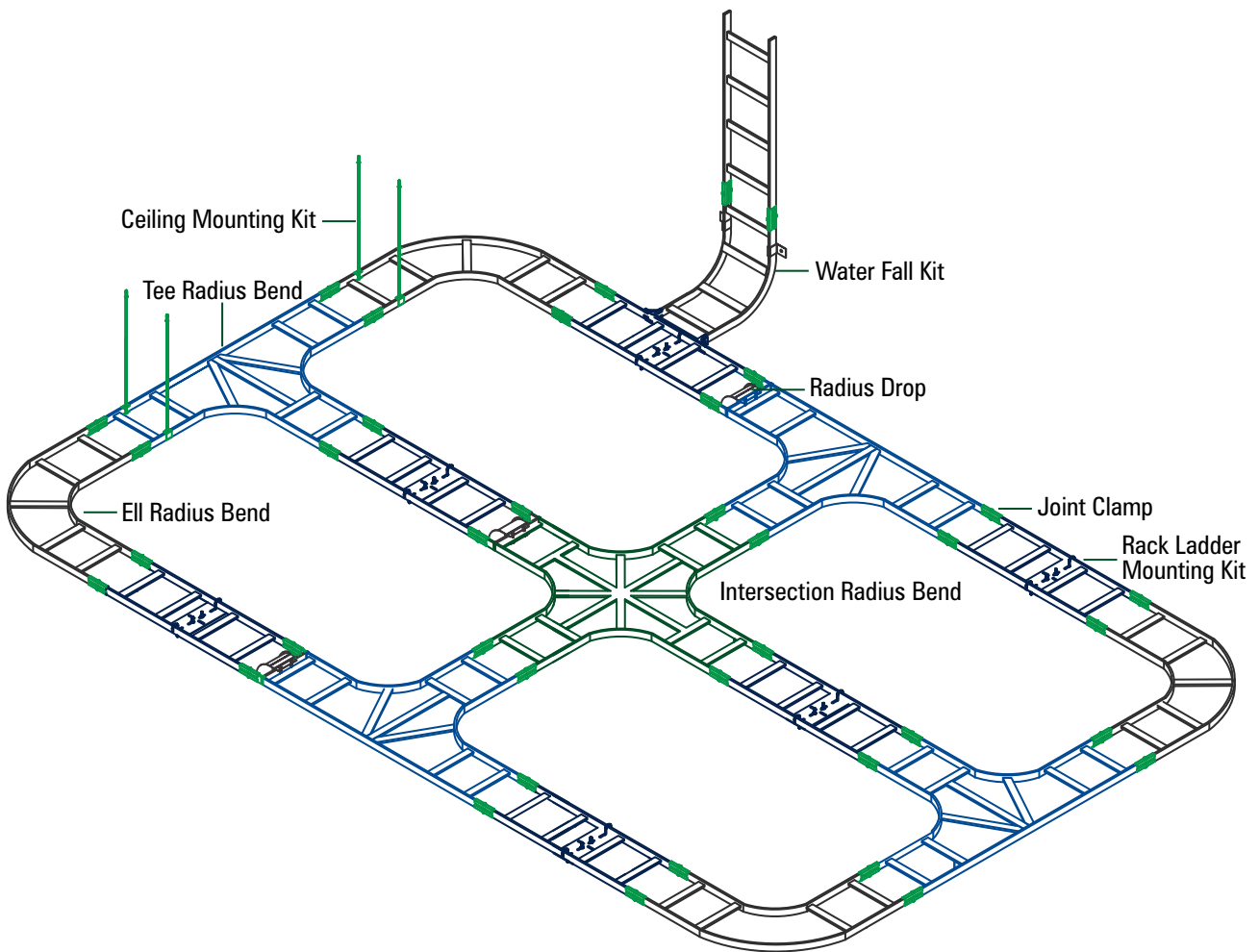
Features

- High-quality construction and design
- Better control on proper cable bend radius
- Reduces cable damage
- Completely modular better aesthetics in cable management

Cable Runway
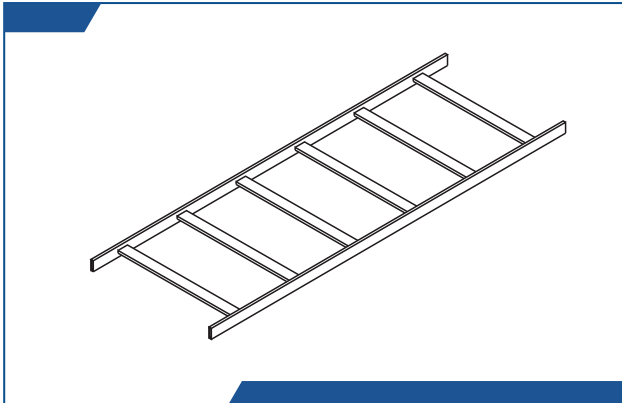
Model Matrix & Dimensions		
Description	Part No.	Construction
Run-Way-12Inch-1500	RW-12-1500	Tubular Steel welded & Powder Coated
Run-Way-18Inch-1500	RW-18-1500	
Run-Way-20Inch-1500	RW-20-1500	
Run-Way-24Inch-1500	RW-24-1500	
Run-Way-12Inch-3000	RW-12-3000	
Run-Way-18Inch-3000	RW-18-3000	
Run-Way-20Inch-3000	RW-20-3000	
Run-Way-24Inch-3000	RW-24-3000	

Rack Run-Way Mounting Kit
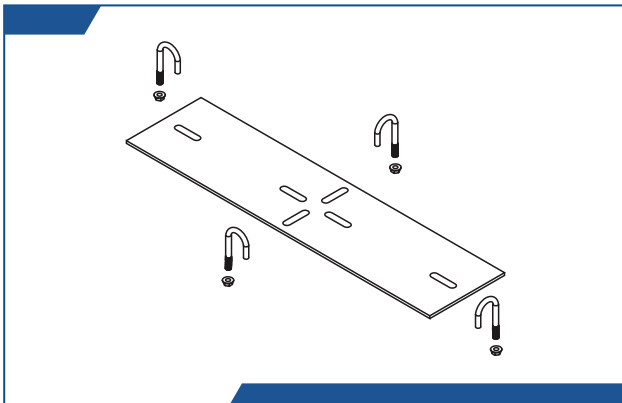
Model Matrix & Dimensions		
Description	Part No.	Construction
Rack Run-Way Mounting Kit 12 Inch	RWA-001-12	Formed Steel welded & Powder Coated
Rack Run-Way Mounting Kit 18 Inch	RWA-001-18	
Rack Run-Way Mounting Kit 20 Inch	RWA-001-20	
Rack Run-Way Mounting Kit 24 Inch	RWA-001-24	

Runway Wall Mounting Clamp
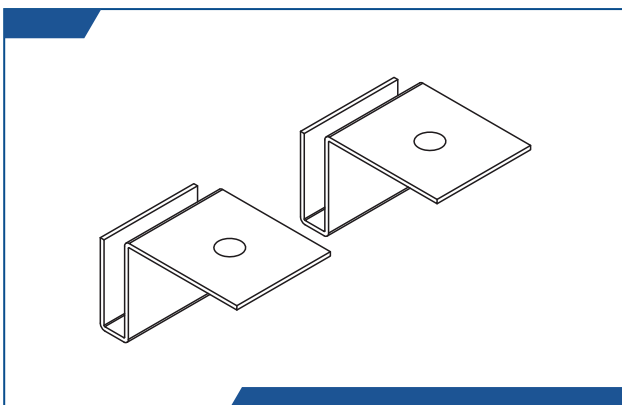
Model Matrix & Dimensions		
Description	Part No.	Construction
Runway Wall Bracket Clamp	RW-018-001	Formed Steel welded & Powder Coated

Tee Radius
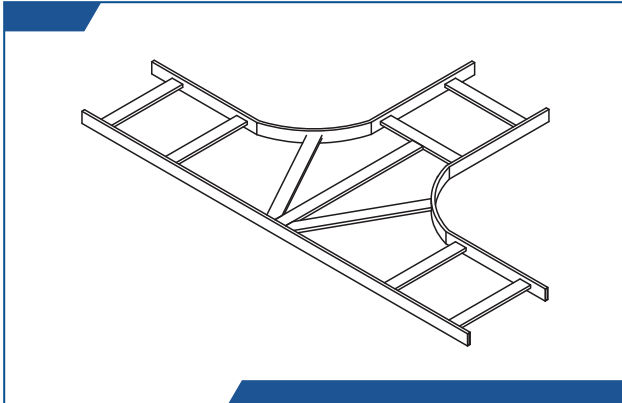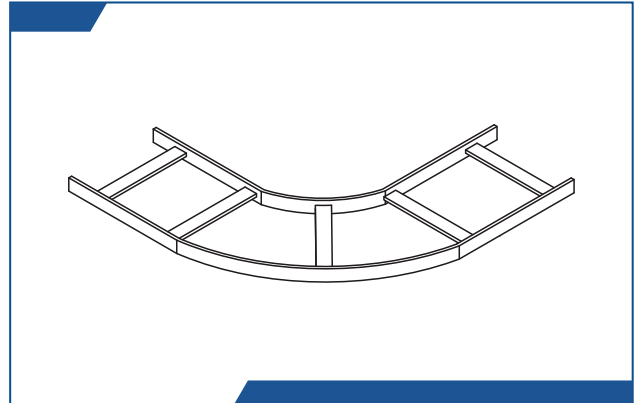
Model Matrix & Dimensions

Description	Part No.	Construction
Run-Way-12Inch-TEE	RW-016-12	Formed Steel & Powder Coated
Run-Way-18Inch-TEE	RW-016-18	
Run-Way-20Inch-TEE	RW-016-20	
Run-Way-24Inch-TEE	RW-016-24	

Ell Radius

Model Matrix & Dimensions

Description	Part No.	Construction
Run-Way-12Inch-ELL	RW-015-12	Formed Steel & Powder Coated
Run-Way-18Inch-ELL	RW-015-18	
Run-Way-20Inch-ELL	RW-015-20	
Run-Way-24Inch-ELL	RW-015-24	

Intersection
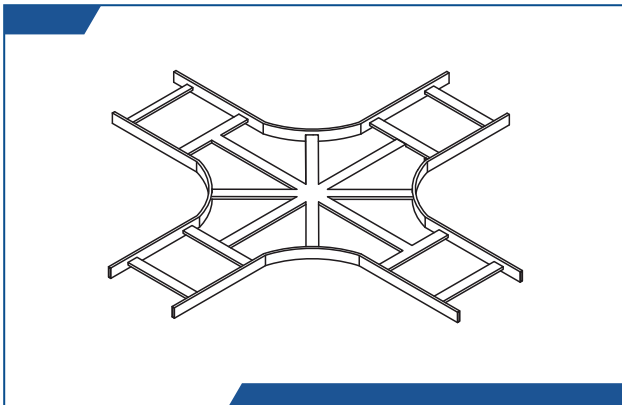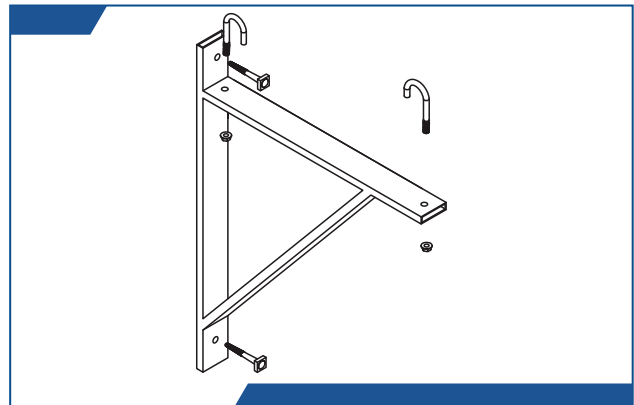
Model Matrix & Dimensions

Description	Part No.	Construction
Run-Way-12Inch-INT	RW-017-12	Formed Steel & Powder Coated
Run-Way-18Inch-INT	RW-017-18	
Run-Way-20Inch-INT	RW-017-20	
Run-Way-24Inch-INT	RW-017-24	

Triangular Wall Bracket Kit

Model Matrix & Dimensions

Description	Part No.	Construction
Triangular Wall Bracket Kit-12	RWA-009-12	Formed Steel & Powder Coated
Triangular Wall Bracket Kit-18	RWA-009-18	
Triangular Wall Bracket Kit-20	RWA-009-20	
Triangular Wall Bracket Kit-24	RWA-009-24	

Joint Clamp Kit Type 1
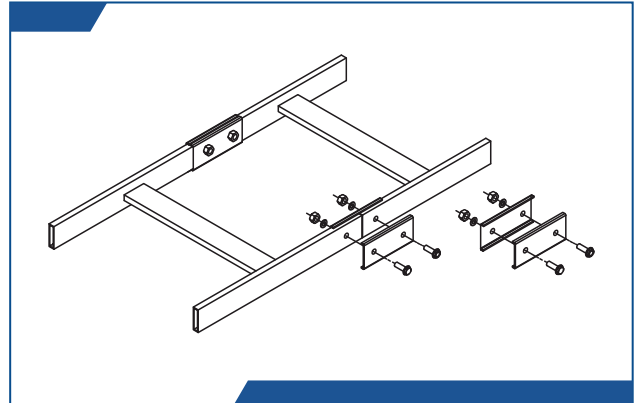
Model Matrix & Dimensions

Description	Part No.	Construction
Joint Clamp Kit-Type 1	RWA-00-1	Formed Steel & Powder Coated

Joint Clamp Kit Type 2

Model Matrix & Dimensions

Description	Part No.	Construction
Joint Clamp Kit-Type 2	RWA-003-2	Formed Steel & Powder Coated
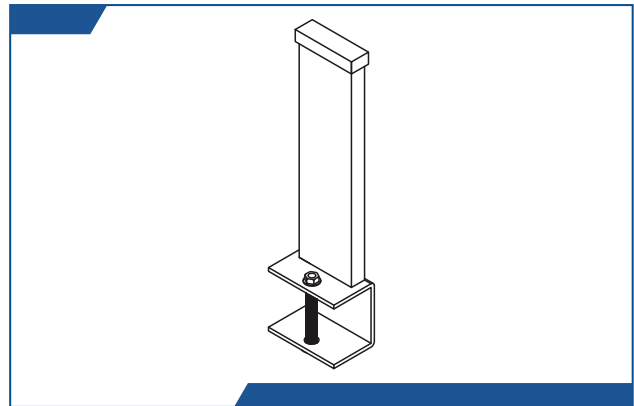
End Closing Kit

Model Matrix & Dimensions

Description	Part No.	Construction
End Closing Kit/12-Inch	RWA-004-12	Formed Steel & Powder Coated
End Closing Kit/18-Inch	RWA-004-18	
End Closing Kit/20-Inch	RWA-004-20	
End Closing Kit/24-Inch	RWA-004-24	

Cable Retainer Kit

Model Matrix & Dimensions

Description	Part No.	Construction
Cable Retainer Kit/200	RWA-010	Formed Steel & Powder Coated

Corner Clamp Type 1
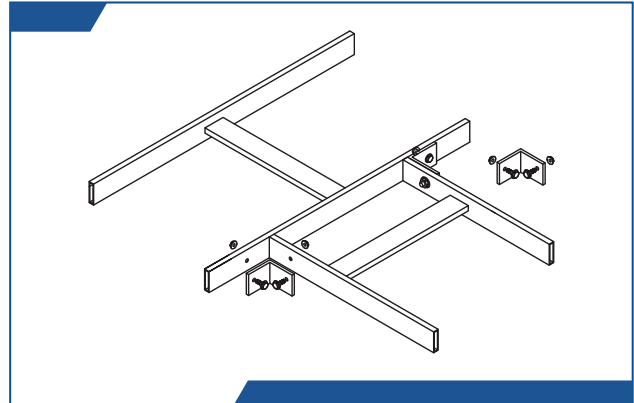
Model Matrix & Dimensions

Description	Part No.	Construction
Corner Clamp Kit Type 1	RWA-002-1	Formed Steel welded & Powder Coated

Corner Clamp Type 2

Model Matrix & Dimensions

Description	Part No.	Construction
Corner Clamp Kit Type 2	RWA-002-2	Formed Steel welded & Powder Coated
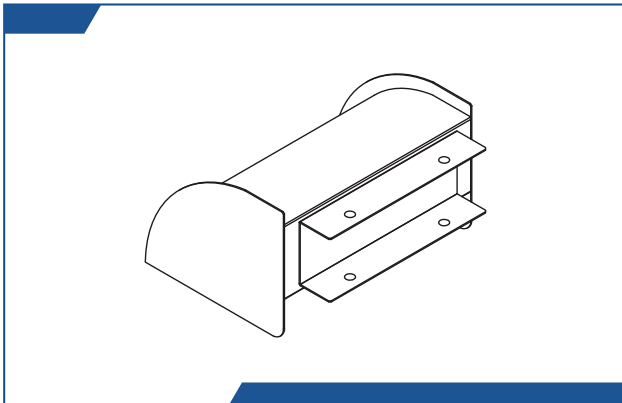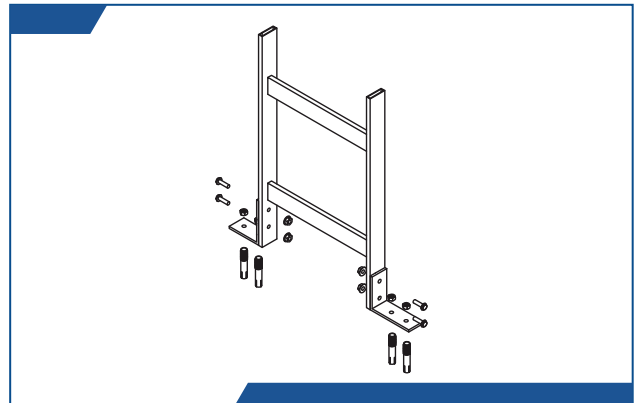
Radius Drop Kit

Model Matrix & Dimensions

Description	Part No.	Construction
Radius Drop Kit 6 Inch/Straight	RWA-008-6-S	Formed Steel & Powder Coated
Radius Drop Kit 6 Inch/Cross	RWA-008-6-C	
Radius Drop Kit 12 Inch/Straight	RWA-008-12-S	
Radius Drop Kit 12 Inch/Cross	RWA-008-12-C	

Floor Mount Kit

Model Matrix & Dimensions

Description	Part No.	Construction
Floor Mount Kit	RW-019-001	Formed Steel & Powder Coated

Radius Bracket Kit
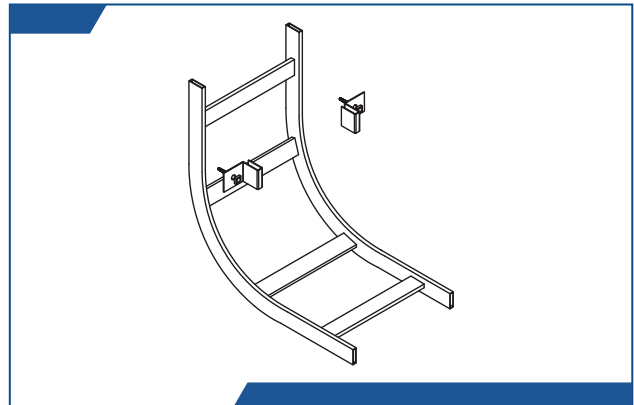
Model Matrix & Dimensions

Description	Part No.	Construction
Radius Bracket Kit	RW-007-001	Tabular Steel, Formed & Powder Coated

Cable Runway Water Fall

Model Matrix & Dimensions

Description	Part No.	Construction
Radius Water Fall Kit 12-Inch	RWA-014-12	Tabular Steel, Formed & Powder Coated
Radius Water Fall Kit 18-Inch	RWA-014-18	
Radius Water Fall Kit 20-Inch	RWA-014-20	
Radius Water Fall Kit 24-Inch	RWA-014-24	

Wall Basket Kit
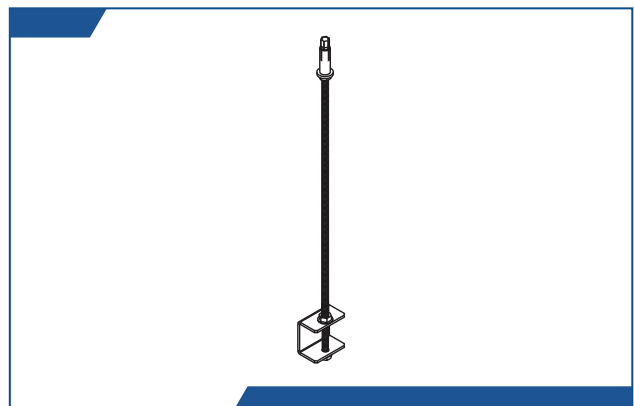
Model Matrix & Dimensions

Description	Part No.	Construction
Wall Bracket Kit/ 12-Inch	RWA-005-12	Extruded Aluminum & Machined
Wall Bracket Kit/ 18-Inch	RWA-005-18	
Wall Bracket Kit/ 20-Inch	RWA-005-20	
Wall Bracket Kit/ 24-Inch	RWA-005-24	

Ceiling Mount Kit

Model Matrix & Dimensions

Description	Part No.	Construction
Ceiling Mount Kit 1Mt/Type 1/ 10MM	RWA-006-10	Formed Steel & Powder Coated
Ceiling Mount Kit 1Mt/Type/ 12MM	RWA-006-12	

Universal Runway Accessories

Overview

Patch Rack / Runway specially designed for mounting patch panels on the runway in sever rooms, data centre and labs.
Racks manufactured out of steel sheet punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Mounting above Cross Member

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Formed Steel 19" verticals with Punched 10mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Universal Clamp Kit for mounting on straight and cross member of runway either above or below the runway
- Standard supply includes Cable Loop 90 X 85 mm for Cable Management

Model Matrix & Dimensions							
Patch Rack / Runway	Part No.	H	h	W	w	D
Patch Rack/Runway with Universal Mount kit/2U/Powder coated	RWA-013-2-PC	125	2U	514	19	80
Patch Rack/Runway with Universal Mount kit/3U/Powder coated	RWA-013-3-PC	170	3U	514	19	80
Patch Rack/Runway with Universal Mount kit/4U/Powder coated	RWA-013-4-PC	242	4U	514	19	80
Patch Rack/Runway with Universal Mount kit/6U/Powder Coated	RWA-013-6-PC	334	6U	514	19	80

1U = 44.45 mm

Note: Other models can be manufactured on request

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Runway Kits

Overview

This is preconfigured kit with 1 No Runway on Rack and 1 No connecting wall to Runway on Rack, with all accessories required to complete the installation. Extensively used in the 2 Post Rack will be used for dropping cable to rack and to support the rack to wall for better rigidity.

Available in 12 inch and 20 inch Kits.
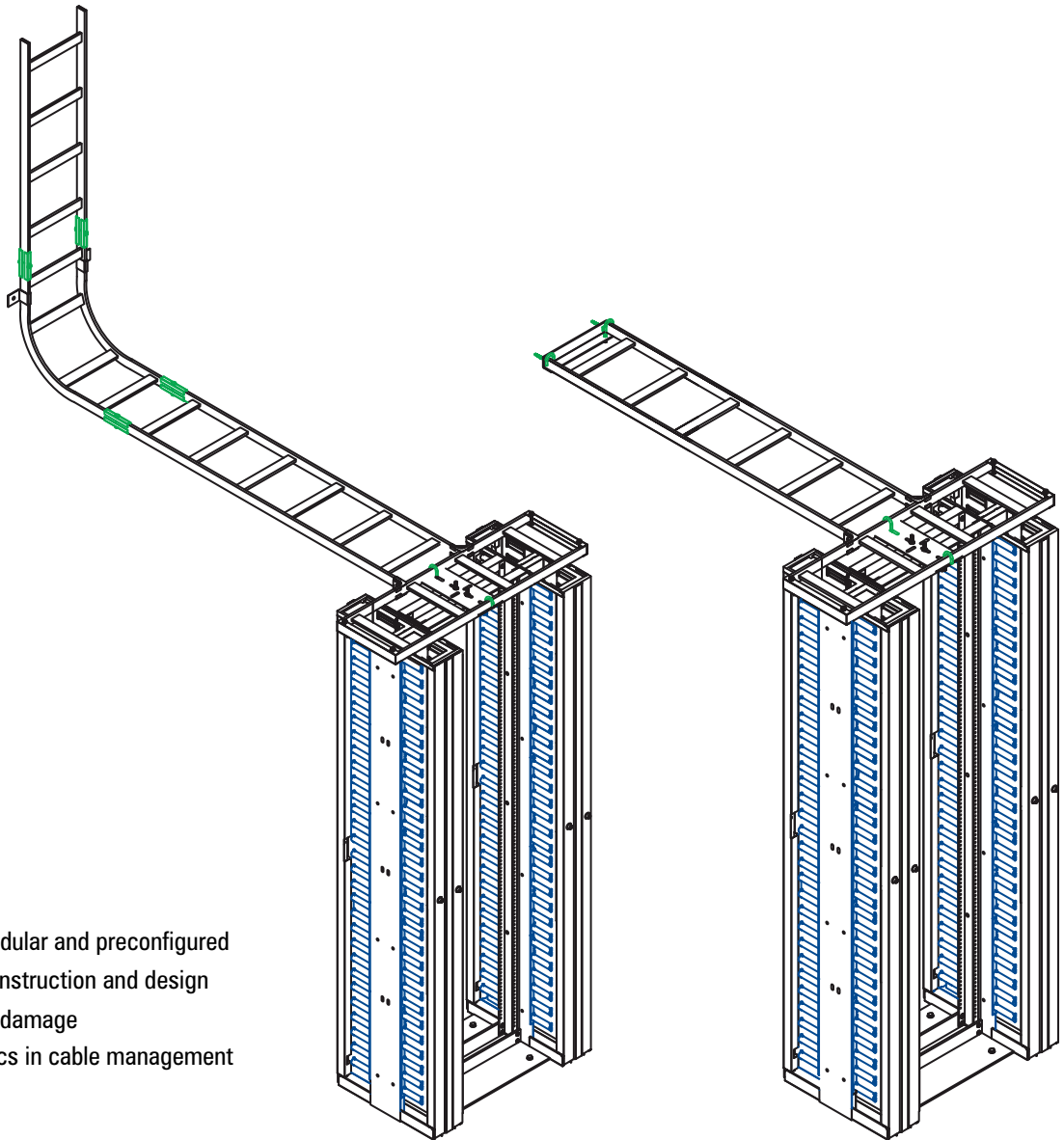
Features

- Completely Modular and preconfigured
- High-quality construction and design
- Reduces cable damage
- Better aesthetics in cable management

Model Matrix & Dimensions

Models	Part No	Scope of Supply
Runway Kit-12"	RWK - 12	Runway/12" : 1.5 Metre X 1 & 1 Metre X 1, Rack Runway Mounting Kit 1, Corner Clamp Kit X 1, End Closing Kit X 2, Joint Clamp Kit X 1, Wall Bracket Kit X 1
Runway Kit-20"	RWK - 20	Runway/20" : 1.5 Metre X 1 & 1 Metre X 1 , Rack Runway Mounting Kit 1, Corner Clamp Kit X 1, End Closing Kit X 2, Joint Clamp Kit X 1, Wall Bracket Kit X 1

Overview

VCO Specially designed to meet the price challenges of low & medium density cable management where in remain rack space will used for other equipment mounting

Cable Organizer frame manufactured out of Rigid PVC with punched side slots for cable entry / exit with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard configuration will be 4 Inch, 6 Inch, with cover on front or front & back and bracket for mounting on rack. Available in Front or Front & Back Variants.

Vertical Cable Organizer
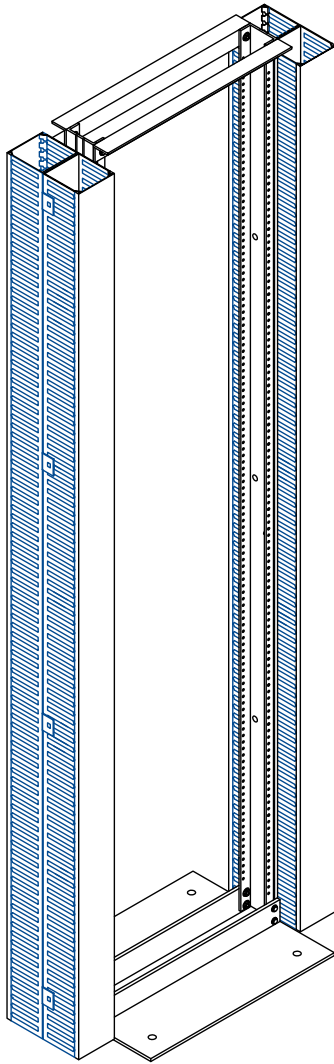
Model Matrix & Dimensions

Description	Part No.
Vertical Cable Organizer/4 inch/Front/45U/ PVC	VCO-45-4-F
Vertical Cable Organizer/4 inch/Front & Back/45U/PVC	VCO-45-4-FB
Vertical Cable Organizer/6 inch/Front/45U/ PVC	VCO-45-6-F
Vertical Cable Organizer/6 inch/Front & Back/45U/PVC	VCO-45-6-FB

Horizontal Cable Organizers

Overview

HCO Specially designed to meet the horizontal cable management challenges of low, Medium & High density application.

Channel type Cable Organizer manufactured out of rigid PVC with punched side slots for cable entry/exit fixed on steel sheet punched back panel and loop type will have ABS loops fixed on steel sheet punched back panel with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard configuration will be 1RU & 2RU with cover on front or Front & Back and Back panel for mounting on rack. Loop type cable organizer will have ABS 4 No. Loops for cable management.

Horizontal Cable Organizer/1U/Loop

Horizontal Cable Organizer/1U/Chanel on Front

Horizontal Cable Organizer/1U/Chanel on Front & Back

Horizontal Cable Organizer/2U/Chanel on Front

Horizontal Cable Organizer/2U/Chanel on Front & Back

Cable Management & Universal Runway Solutions

Model Matrix & Dimensions

Description	Part No.
Horz. Cable Organizer/1U/ Channel On Front	HCO-1-CF
Horz. Cable Organizer/2U/Channel On Front	HCO-2-CF
Horz. Cable Organizer/1U/Channel On Front & Back	HCO-1-CFB
Horz. Cable Organizer/2U/Channel On Front & Back	HCO-2-CFB
Cable Loops 90x85	SPL

RACK POWER & ELECTRONICS

8
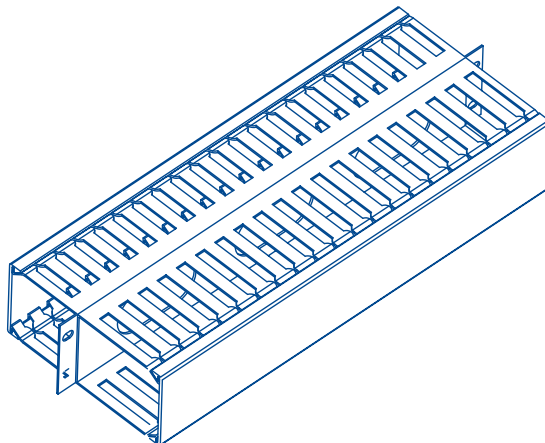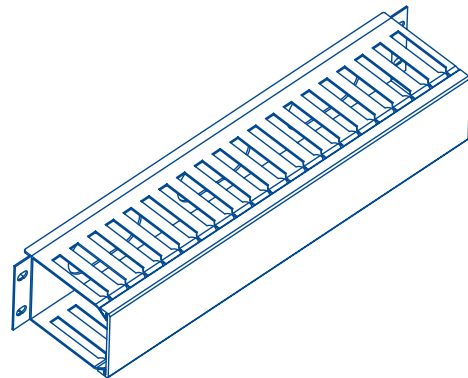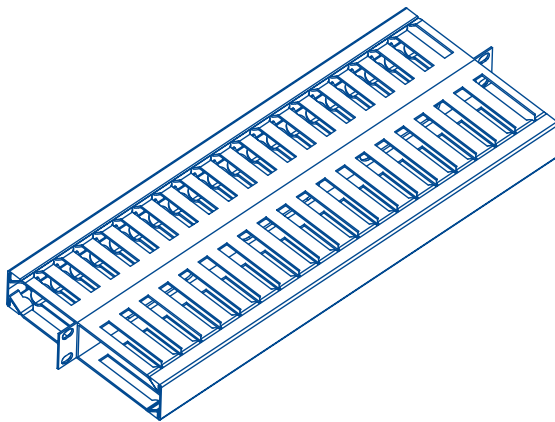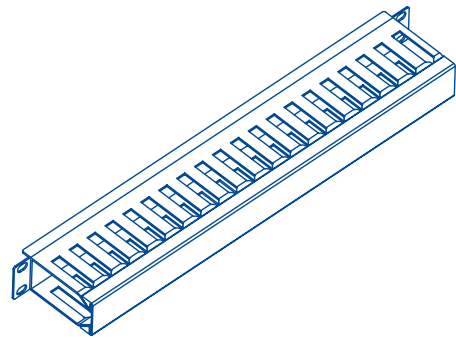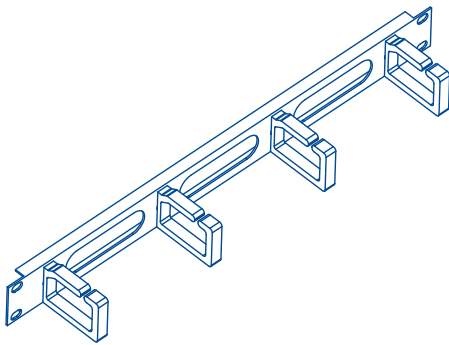
A. Normal Power Distribution
B. Metered Power Distributions
C. Colored Power Distribution Unit
D. Power Cords
E. IEC Lock Power Distribution & Power Cords
F. Safe Transfer Switch
G. Intelligent Power Distribution Unit
H. Power Management Solutions
I. Intelligent Locking & Monitoring Solutions
J. Standalone Rack Security Solutions
K. Rack Environment Solutions
L. KVM Solutions
M. LCD Consoles

Overview

Power Distribution is critical part of Rack solution and Industry can't afford down time or failure of product, as this directly impact operation of missions critical equipments further effecting business process.

NetRack understand the criticality of PDU. All models are professionally designed with High Quality & Tested Inputs to ensure customer get highest quality of the product with 100% Reliability and Dependability. NetRack Offers wide Range of high quality power distribution to feed power to mission critical equipment. NetRack PDU comes with high quality powder coated metal Box with best available electrical parts properly Rated and certified

NetRack Offers 3 variants to suit the requirement of industry

- Normal Power Distribution units 1 & 3 Phase
- Metered Power Distribution units 1 & 3 Phase
- Intelligent Power Distribution units 1 & 3 Phase

NetRack PDU's are Rated and protected with MCB & fuses to meet different industrial requirements. Input either open or with Indian/IEC Plugs. Available in horizontal and vertical mounting models with 1 Phase & 3 Phase Variants

Standard off the shelf models are below and can be customized to customer requirement

Standard Socket Types
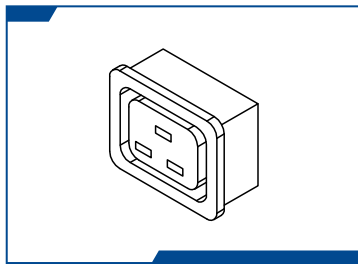
IEC Standard C 19/16A
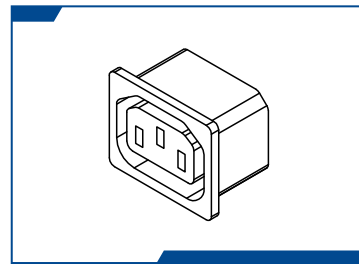
IEC Standard C 13/10A
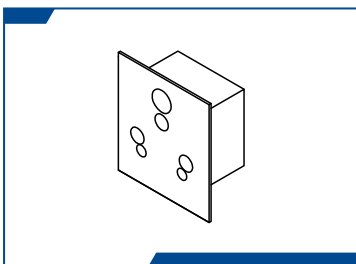
Indian Roundpin 5/15 A
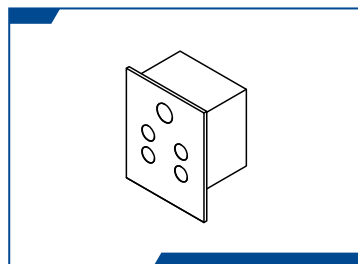
Indian Roundpin /5A
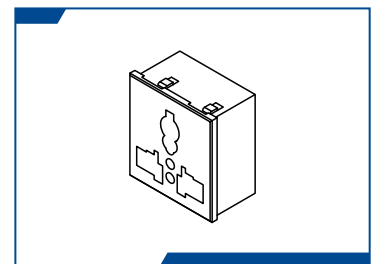
Intel Multipin /6A
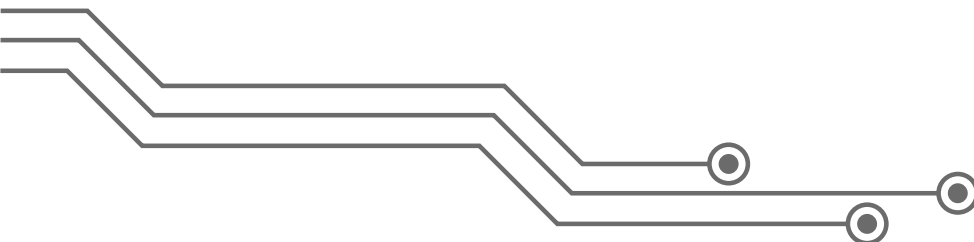
Indian Round Pin

1	1Ph, 230V, 5A, Zero U standard rack mount power distribution unit with 3 X Indian Round Pin, 5A, Inlet Plug type 6A Indian Round Pin, 5A Fuse - PDU Rating 1.2KVA/ Side feed- 1 mt/ Black	PDU-H-1-IND-A3-X1-Y1-Z0
2	1Ph, 230V, 5A, 1 U standard rack mount power distribution unit with 4 X Indian Round Pin, 5A, Inlet Plug type 6A Indian Round Pin, 5A Fuse - PDU Rating 1.2KVA	PDU-H-1-IND-A4-X1-Y1-Z0
3	1Ph, 230V, 8A, 2U standard rack mount power distribution unit with 6 X Indian Round Pin 5A, Inlet Plug type 6A Indian Round Pin, 8A Fuse - PDU Rating 1.8KVA/Side feed-1.5Mt/ Black	PDU-H-1-IND-A6-X2-Y1-Z0
4	1Ph, 230V, 16A, 2U standard rack mount power distribution unit with 6 X Indian Round Pin 5/15A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Side feed-1.5Mt/ Black	PDU-H-1-IND-B6-X3-Y1-Z0
5	1Ph, 230V, 16A, 2U standard rack mount power distribution unit with 6 X Indian Round Pin/ Octogonal, 5/15A, Inlet Plug type 16A Indian Round Pin 16A MCB - PDU Rating 3.6KVA/Side feed-1.5Mt/ Black	PDU-H-1-IND-C6-X3-Y1-Z0

Note : Other Socket configuration available on request
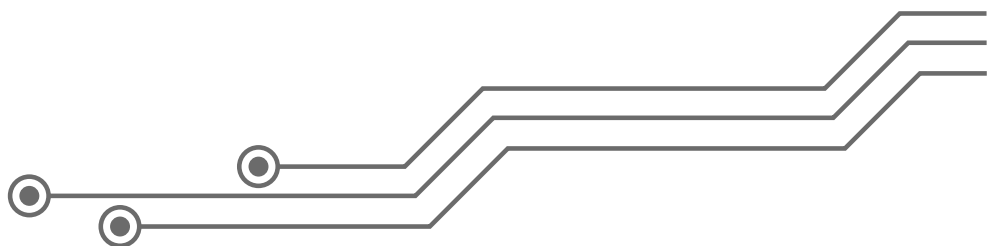
Indian Sockets Single Phase

1	1Ph, 230V, 16A, Zero U standard Vertical rack mount power distribution unit with 10 X Indian Round Pin 5A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Bottom feed-3Mt/ Black	PDU-V-1-IND-A10-X3-Y4-Z0
2	1Ph, 230V, 16A, Zero U standard Vertical rack mount power distribution unit with 15 X Indian Round Pin 5A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Bottom feed-3Mt/ Black	PDU-V-1-IND-A15-X3-Y4-Z0
3	1Ph, 230V, 32A, Zero U standard Vertical rack mount power distribution unit with 12 X Indian Round Pin 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-IND-B12-X4-Y4-Z0
4	1Ph, 230V, 32A, Zero U standard Vertical rack mount power distribution unit with 12 X Indian Round Pin/ Octogonal 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-IND-C12-X4-Y4-Z0

Note : Other Socket configuration available on request
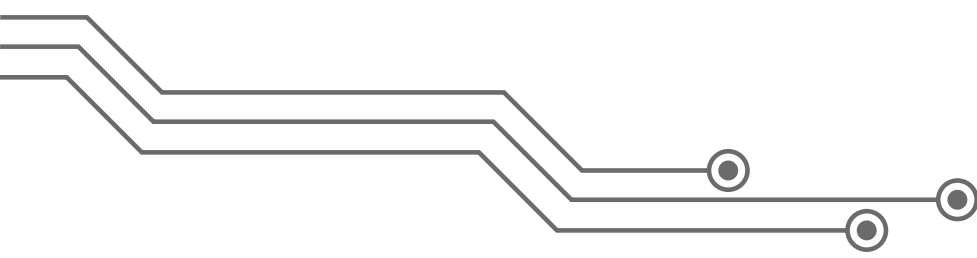
MultiPin		
1	1Ph, 230V, 8A, 2U standard rack mount power distribution unit with 6 X Intel Multi Pin 5A, Inlet Plug type 6A Indian Round Pin, 8A Fuse - PDU Rating 1.8KVA/Side feed-1.5Mt/ Black	PDU-H-1-MP-D6-X2-Y1-Z0
2	1Ph, 230V, 16A, 2U standard rack mount power distribution unit with 6 X Intel Multi Pin 6/13A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Side feed-1.5Mt/ Black	PDU-H-1-MP-E6-X3-Y1-Z0
3	1Ph, 230V, 16A, Zero U standard Vertical rack mount power distribution unit with 10 X Intel Multipin 5A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Bottom feed-3Mt/ Black	PDU-V-1-MP-D10-X3-Y4-Z0
4	1Ph, 230V, 16A, Zero U standard Vertical rack mount power distribution unit with 15 X Intel Multipin 5A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Bottom feed-3Mt/ Black	PDU-V-1-MP-D15-X3-Y4-Z0
5	1Ph, 230V, 32A, Zero U standard Vertical rack mount power distribution unit with 10 X Intel Multipin 13A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-MP-E10-X4-Y4-Z0
6	1Ph, 230V, 32A, Zero U standard Vertical rack mount power distribution unit with 15 X Intel Multipin 13A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-MP-E15-X4-Y4-Z0

Note : Other Socket configuration available on request

IEC Single Phase Model

1	1Ph, 230V, 32A, 1U standard rack mount power distribution unit with 12 X C13, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Rear feed-3Mt/ Black	PDU-H-1-IEC-F12-X4-Y2-Z0
2	1Ph, 230V, 32A, 1U standard rack mount power distribution unit with 8 X C19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P+E),16A MCB X 2 Circuits - PDU Rating 7.3KVA/Rear feed-3Mt/ Black	PDU-H-1-IEC-G8-X4-Y2-Z0
3	1Ph, 230V, 32A, 1U standard rack mount power distribution unit with 4 X C13 & 4 XC19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Rear feed-3Mt/ Black	PDU-H-1-IEC-F4-G4-X4-Y2-Z0
4	1Ph, 230V, 32A, 2U standard rack mount power distribution unit with 20 X C13 & 4 XC19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - - PDU Rating 7.3KVA/Rear feed-3Mt/ Black	PDU-H-1-IEC-F20-G4-X4-Y2-Z0

Note : Other Socket configuration available on request

Rack Power & Electronics
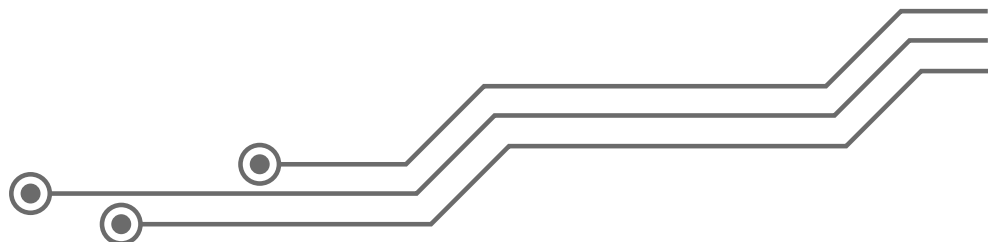
IEC Sockets Single & Three Phase

1	1Ph, 230V, 32A, Zero U standard rack mount power distribution unit with 12 X C13, Inlet Plug (Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-IEC-F12-X4-Y4-Z0
2	1Ph, 230V, 32A, Zero U standard rack mount power distribution unit with 12 X C19, Inlet Plug (Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-IEC-G12-X4-Y4-Z0
3	1Ph, 230V, 32A, Zero U standard rack mount power distribution unit with 12X C13 & 4 X C19, Inlet Plug (Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-IEC-F12-G4-X4-Y4-Z0
4	1Ph, 230V, 32A, Zero U standard rack mount power distribution unit with 20 X C13 & 4 X C 19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	PDU-V-1-IEC-F20-G4-X4-Y4-Z0

IEC Three Phase Model

1	3Ph, 400V, 16A/Ph, Zero U standard rack mount power distribution unit with 24 X C13, Inlet Plug IEC30916A 4P +E, 16A MCB X 3 Circuits - PDU Rating 11KVA/Bottom feed-3Mt/ Black	PDU-V-3-IEC-F24-X6-Y4-Z0
2	3Ph, 400V, 16A/Ph, Zero U standard rack mount power distribution unit with 12 X C13 & 12 XC19, Inlet Plug IEC30916A 4P +E, 16A MCB X 3 Circuits - PDU Rating 11KVA/Bottom feed-3Mt/ Black	PDU-V-3-IEC-F12-G12-X6-Y4-Z0
3	3Ph, 400V, 32A/Ph, Zero U standard rack mount power distribution unit with 18 X C13 & 18 XIEC 19, Inlet Plug IEC30916A 4P +E, 16A MCB X 6 Circuits -PDU Rating 22KVA/Bottom feed-3Mt/ Black	PDU-V-3-IEC-F18-G18-X7-Y4-Z0
4	3Ph, 400V, 32A/Ph, Zero U standard rack mount power distribution unit with 30 X C13 & 6 XIEC 19, Inlet Plug IEC30932A 4P +E, 16A MCB X 6 Circuits - PDU Rating 22KVA/Bottom feed-3Mt/ Black	PDU-V-3-IEC-F30-G6-X7-Y4-Z0

Note : Other Socket configuration available on request

Overview

PDU with inbuilt reliable Circuit board with digital display and can be programmed to show current, Voltage or Power or roll over on PDU level. This PDU is designed to bridge gap between conventional and intelligent PDU where in user map the load on the PDU and avoid over loading and MCB Tripping.

The PDU available with different types sockets configurations (Indian 5A,Indian 5/15, Intel Multipin, IEC Sockets) and All NetRack PDU's are rated and protected with MCB & Fuses to meet different industrial requirements. Input either open or with Indian / IEC Plugs. Available in horizontal and vertical Mounting Models with 1 Phase & 3 Phase Variants

Standard off the shelf Models are below and can be customized to customer requirement

Rack Power & Electronics

Multi Pin		
1	1Ph, 230V, 32A, 3U standard rack mount Metered power distribution unit with 12 X Indian Round Pin 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IND-B12-X4-Y2-Z0
2	1Ph, 230V, 32A, 3U standard rack mount Metered power distribution unit with 12 X Indian Round Pin/ Octogonal, 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IND-C12-X4-Y2-Z0
3	1Ph, 230V, 16A, Zero U standard Vertical rack mount Metered power distribution unit with 15 X Indian round pin 6A, Inlet Plug type 16A Indian Round Pin, 16A MCB - PDU Rating 3.6KVA/Bottom feed-3Mt/ Black	MPDU-V-1-IND-A15-X4-Y4-Z0
4	1Ph, 230V, 32A, Zero U standard Vertcal rack mount Metered power distribution unit with 12 X Indian Round Pin 5/15A , Inlet Plug(Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed/ Black	MPDU-V-1-IND-B12-X4-Y4-Z0
5	1Ph, 230V, 32A, Zero U standard Vertcal rack mount Metered power distribution unit with 12 X Indian Round Pin 5/15A/ Octogonal, Inlet Plug(Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-V-1-IND-C12-X3-Y4-Z0
6	1Ph, 230V, 32A, Zero U standard Vertical rack mount Metered power distribution unit with 10 X Intel Multipin 13A, (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-V-1-MP-E10-X4-Y4-Z0
7	1Ph, 230V, 32A, Zero U standard Vertical rack mount Metered power distribution unit with 15 X Intel Multipin 13A, (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-V-1-MP-E15-X4-Y4-Z0

Note : Other Socket configuration available on request

IEC Socket

1	1Ph, 230V, 32A, 1U Metered standard rack mount Metered power distribution unit with 12 X C13, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P + E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IEC-F12-X4-Y2-Z0
2	1Ph, 230V, 32A, 1U Metered standard rack mount Metered power distribution unit with 8 X C19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P + E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IEC-G8-X4-Y2-Z0
3	1Ph, 230V, 32A, 1U standard rack mount Metered power distribution unit with 4 X C13 & 4 XC19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P + E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IEC-F4-G4-X4-Y2-Z0
4	1Ph, 230V, 32A, 2U standard rack mount power Metered distribution unit with 20X C13 & 4 XC19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P + E), 16A MCB X 2 Circuits - - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IEC-F20-G4-X4-Y2-Z0
5	1Ph, 230V, 32A, 1U Metered standard rack mount Metered power distribution unit with 12 X C13, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P + E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-H-1-IEC-F12-X4-Y2-Z0-UL

Note : Other Socket configuration available on request

IEC Socket

1	1Ph, 230V, 32A, Zero U standard rack mount Metered power distribution unit with 12 X C13, Inlet Plug (Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-V-1-IEC-F12-X4-Y4-Z0
2	1Ph, 230V, 32A, Zero U standard rack mount Metered power distribution unit with 12X C13 & 4 X C19, Inlet Plug (Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-V-1-IEC-F12-G4-X4-Y4-Z0
3	1Ph, 230V, 32A, Zero U standard rack mount Metered power distribution unit with 20 X C13 & 4 X C19, Inlet Plug (Inlet Plug Not Installed, Recommended IEC30932A 2P+E), 16A MCB X 2 Circuits - PDU Rating 7.3KVA/Bottom feed-3Mt/ Black	MPDU-V-1-IEC-F20-G4-X4-Y4-Z0

Note : Other Socket configuration available on request

Colored Power Distribution Unit

NETRACK
ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE
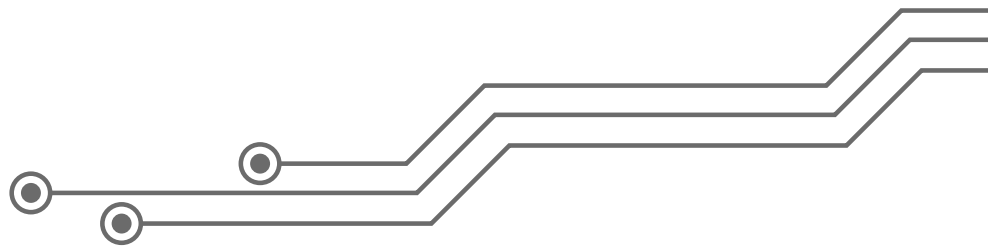
Overview

As a process of enhancement and to meeting customer requirement, Netrack offer complete range of colored PDU in all socket configuration including the customized PDU and below are the major advantages,

1. Easy in identifying the main & redundant feeds
2. Easy for Technician to work on Power management / Maintenance
3. Create standards @ DC/ Lab based Current / Power of PDU
4. Reduction of illumination at Rack back side, Power saving

Color Matrix

Description		RAL Code	NetRack Color Code
Black	⬛	RAL 9004	Z0
Red	🟥	RAL 3001	Z1
Blue	🟦	RAL 5015	Z2
Orange	🟧	RAL 2000	Z3
Gray & Off White	▨	RAL 7037 & 7035	Z4
Gray	▨	RAL 7037	Z5
Off White	▨	RAL 7035	Z6
Signal White	⬜	RAL 9003	Z7
Green	🟩	RAL 6018	Z8
Yellow	🟨	RAL 1003	Z9

Note: Color may vary from 5% to 10% please refer to www.RALcolor.com

Rack Power & Electronics

Overview

Another challenge in the industry is power loss / shutdown of Mission Critical equipments by accidental Pullover and loose connections in socket & Plug, NetRack offers world class Technology to eliminate this problem once and for all, By IECLock Socket and IECLock Power cord and with combination we can eliminate accidental and vibration disconnects of cable at both PDU and equipment End

Lock Sockets available in C13 and C19 options. NetRack can offer all Socket combination PDU as per NetRack standards or Customer Requirement

Interestingly the IECLock Socket can take Normal Power Cord and with this we can eliminate RISK at PDU side. To eliminate RISK at both PDU & Equipment Side IECLock Socket and IECLock Power Cord Required.

C13 - C14

C19 - C 20

C14 - C15

Features - Normal Cables

- Available in 3 Lengths 2, 3, 6 feet
- Cable Available in 7 Colours(on MOQ)
- Readlly Available in C13 -14, C14 -15 & C19-20 Configurations
- UL Listed and CE Compliant

Note:
*Standard Length of the cable is 2, 3 & 6 feet other cable lengths are available on MOQ.

Model Matrix	
Color Description	Part Code
Power Cord/10A/6 Feet/C13-C14/XXXX/CE-UL/18G	PC-10-6-1314-XX-18
Power Cord/16A/6 Feet/C19-C20/XXXX/CE-UL/14G	PC-16-6-1920-XX-14
Power Cord/10A/3 Feet/C13-C14/XXXX/CE-UL/18G	PC-10-3-1314-XX-18
Power Cord/16A/3 Feet/C19-C20/XXXX/CE-UL/14G	PC-16-3-1920-XX-14
Power Cord/10A/2 Feet/C13-C14 /XXXX/CE-UL/18G	PC-10-2-1314-XX-18
Power Cord/16A/2 Feet/C19-C20/XXXX/CE-UL/14G	PC-16-2-1920-XX-14

Overview

Another challenge in the industry is power loss / shutdown of Mission Critical equipments by accidental pullover and loose connections in socket & Plug, NetRack offers world class technology to eliminate this problem once and for all, By IEC Lock Socket and IEC Lock power cord and with combination we can eliminate accidental and vibration disconnects of cable at both PDU and equipment end

Lock Sockets available in C13 and C19 options. NetRack can offer all combination as per NetRack standard or Customer Requirement.

Interestingly the IEC Lock Socket can take Normal Power Cord and if customer looking at eliminating accidental and vibration disconnects only at PDU side then normal power Cords suffice the requirement. If customer is looking at saftey at both end then need to buy IEC Lock PDU and power cord

Features - IEC Lock PDU & Power cord

- Power Cord Available in 3 lengths 0.6, 0.9 and 1.8 Mts
- Available in different colours (on MOQ)
- The Universal Locking power cords Locks at equipment end
- Plug & Ply replacement with IEC Lock PDU
- No proprietary mating Plug Required
- Readlly Available in C13 -14, & C19 -20 Configurations
- UL Listed and CE Compliant

Rack Power & Electronics

Color Matrix

Description		RAL Code	Netrack Color Code
Black		RAL 9004	Z0
Red		RAL 3001	Z1
Blue		RAL 5015	Z2
Orange		RAL 2000	Z3
Gray & Off White		RAL 7037 & 7035	Z4
Gray		RAL 7037	Z5
Off White		RAL 7035	Z6
Signal White		RAL 9003	Z7
Green		RAL 6018	Z8
Yellow		RAL 1003	Z9

Model Matrix

Color Description	Part Code
Power Cord/IECLock/10A/6 Feet/C13-C14/XXXX/CE-UL/18G	PC-L-10-6-1314-XX-18
Power Cord/IECLock/16A/6 Feet/C19-C20/XXXX/CE-UL/14G	PC-L-16-6-1920-XX-14
Power Cord/IECLock/10A/3 Feet/C13-C14/XXXX/CE-UL/18G	PC-L-10-3-1314-XX-18
Power Cord/IECLock/16A/3 Feet/C19-C20/XXXX/CE-UL/14G	PC-L-16-3-1920-XX-14
Power Cord/IECLock/10A/2 Feet/C13-C14 /XXXX/CE-UL/18G	PC-L-10-2-1314-XX-18
Power Cord/IECLock/16A/2 Feet/C19-C20 /XXXX/CE-UL/14G	PC-L-16-2-1920-XX-14
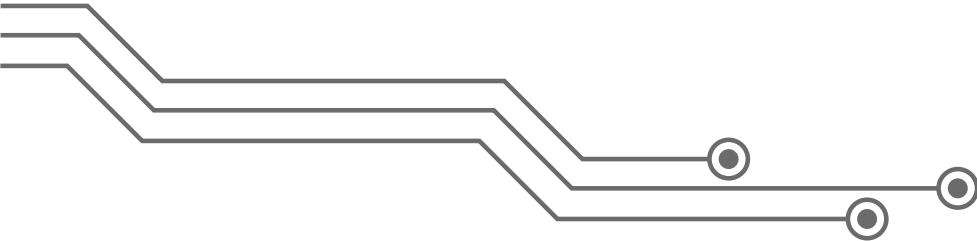
Overview

Creating power redundancy for single power source devices are very important to meet the requirement of ISMS/ISO 27000 and to further comply to the standard.

By adding STS, we are creating one more point of failure hence the Reliability of STS play major role along with switching time, understanding the requirement of industry, NetRack has designed the thirster based legendary reliable product with lowest possible switching time of 5mS when both source are in sync.

Model : NR-STS-1-2-16 & NR-STS-1-2-32	
Input/Output	
Nominal Voltage	230/240V AC(1PH+N)
Voltage Tolerances	+/-15%
Frequency Tolerances	Wide band - 40-70 Hz
Power Capacity	16A/32A
No.of Switching Poles	2 Poles (Phase + Neutral)
Overloaded Capacity	110% for 1Hour 150% for 1 Minute 200% for 10 Seconds 1000% for 100Msec
Duty	Continuous
Load Power Factor Range	0.6 to unity Leading or Lagging
Controller	32-bit DSP
Switch	
Tranfer	< 5 ms in sync & < 15 ms in No Sync
Manual Bypass	Yes
Efficiency (Ref.IEC 60146-1-1) (At full load & Nominal Input Voltage)	≥ 98 %

Rack Power & Electronics

Environmental	
Acoustic noice level from 1 meter (Ref. ISO 3746)	$\leq$ 45 dBA
Operational temperature	0 to 40 Deg C
Storage temparature	0 to 70 Deg C
Relative humidity	Up to95% (Non condensing)
Altitude	< 1000 meters above sea level (without de-rating altitude)
Physical	
Enclosure pretection	IP - 20
Cooling	Natural
Color	RAL 7016 Texture
Dimention	2U (Width - 450mm X depth - 485mm X height - 88.5mm)
Installation	Rack mountable

User Interface					
Indications	Source 1 Priority	Source 1 ON	Of source 1 Source 2 ON	Output ON	Manual by of source 1
	Source 2 Priority	Source 2 ON	Source 2 SW (Feeding)	No Sync	Manual by of source 2
Fault Indication					

Socket			
Description	Industrial Socket : IEC 30932A-2P+E		
	Socket 1	Socket 2	Socket 3
	Source 1	Source 2	Out Put

Other Features
RS 485 MODBUS (Optional)
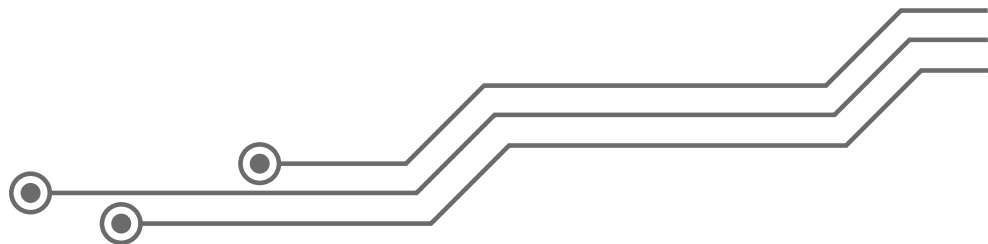
INTELLIGENT POWER & ELECTRONICS

Overview

Intelligent power and energy management solutions allow Data Center Operations Managers, IT Administrators and Facilities Managers to reduce costs and improve efficiency, uptime and capacity planning.

We have five options of PDUs to meet requirement of the industry & plug & play sensors to make the IT manager life easy.

Environmental Sensor
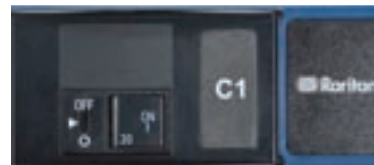
Features

- Real-time PDU-level and outlet-level monitoring of power
- Remote PDU-level and outlet-level power switching
- Rack temperature and humidity monitoring
- Solutions that help IT administrators and facilities managers improve uptime and staff productivity
- Efficiently utilize power resources
- Make informed capacity planning decisions
- Save power and money
- Take a step towards becoming a more green data center
- PDU-level and outlet-level power switching
- RMS current and power metering, locally and remote, at strip and outlet level
- Temperature and humidity probe options
- History function for highest current used
- Alerts and traps (SNMP, SMTP, Syslog)
- Web interface (HTML)
- IPMI 2.0, SMASH-CU
- SNMP alerts controls
- Modern circuit breaker and soft breaker
- 256-bit AES encryption hardware core
- User authentication via LDAP, MSAD, CCSG
- SSH CLI

Rack Power & Electronics

Features	Outlet Metered, Outlet Switched (PX-5000)	Outlet Metered (PX-4000)	Inlined Metered (PX-3000	PUD Metered,Outlet Switched (PX-2000)	PDU Metered (PX-1000)
Compatible with Power IQ	✓	✓	✓	✓	✓
Power Metering	Output, PDU	Output, PDU	Circuit, Line	PDU	PDU Metered (PX-1000)
Outlet Mapping to KVM for Switching	✓			✓	
Environmental Monitering (e.g tempiratre humidity)	✓	✓	✓	✓	✓
User Management (e.g permission Action Directory)	✓	✓	✓	✓	✓
Thresholds and Alerts	✓	✓	✓	✓	✓
SNMP	✓	✓	✓	✓	✓
Web Browser	✓	✓	✓	✓	✓
Remote Access	Serial Ethernet	Serial Ethernet	Serial Ethernet	Serial Ethernet	Serial Ethernet

Overview

For data center and lab managers who are concerned about the utilization and the cost of power, Power IQ enables you to reduce capital and operating expenditures by providing the information and controls you need to be more energy efficient and fully utilize your existing power infrastructure.

Through one Web browser, the scalable Power IQ manages any SNMP-metered device. You have the ability to add new devices on your own. Support is preinstalled and tested for APC®, Avocent®, BayTech®, Cyber Switching®, Cyclades®, Eaton, Geist, HP®, Knurr®, Liebert, MRV®, NetBotz, Raritan, Rittal®, Server Technology®, Sinetica, Starline Track Busway, Tripp Lite and UNITE™.

Efficiently Utilize Energy

Power IQ provides you with valuable information and automated control that can help you gain efficiencies in the data center right away, including:

- Baseline energy consumption and track changes by IT device, rack, zone, customer, department and data center
- Easily seeing if you are operating within industry-accepted – and server manufacturers' recommended – temperature and humidity ranges
- Estimated savings calculation from increasing temperature to upper limit of recommendations
- Temperature threshold alert monitoring and trending, to safely manage environmental conditions
- Energy cost billback reports with one click
- Remote power on/off outlet groups
- Agentless graceful shutdown of system operating systems

Make Informed Capacity Planning Decisions

Power IQ supplies actual load of IT devices under computing stress to provide you with better planning information.

- Collect short- and long-term data and compare to rated capacity to update design assumptions
- Monitor trends, alerts and threshold violations to understand future needs
- Power capacity meter will provide you forecasted "days of energy supply

User-Configurable Energy Management Dashboard

- Display on large screen in slide show mode with real-time updates
- Configurable size, layout and charts
- Display power and environmental health, energy capacity and consumption, weather services, maps, video and much more

Power and Energy Analytics

Create an unlimited number of charts, such as active power by rack, carbon footprint by building, department billback and total energy consumption.
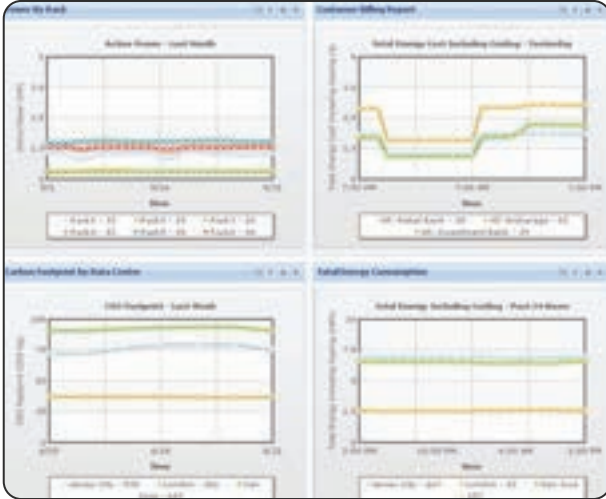
Cooling Chart

Understand if you are compliant with manufacturers' and industry-accepted recommendations, and project how much you can save by increasing room ambient temperatures.
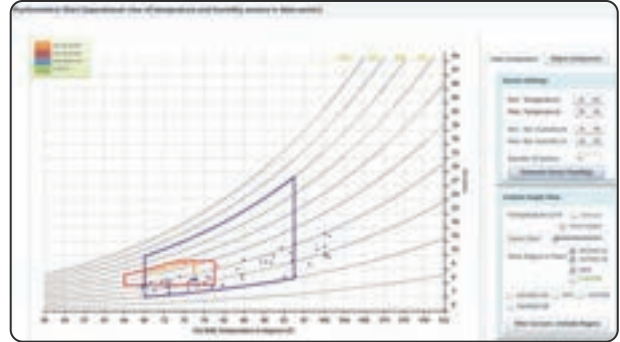
Power Capacity "Days of Supply" Forecast

Create an unlimited number of charts, such as active power by rack, carbon footprint by building, department billback and total energy consumption. Understand your real-time power load, rate of change and forecasted trends at all levels of your infrastructure with our capacity forecast charts.

PDU Page

View details about the PDU, such as manufacturer, model, serial number, firmware, voltage and current ratings, location and status.

Overview

NetRack along with EMKA / Southco provide integrated solution on locking, protecting, monitoring & alarming as the requirements on control of facilities in server rooms and computer centers have changed clearly.

Requirements of today:

- Improved data security
- Protection against unauthorized access
- Logging of all event
- Parameter controlled supervision
- Triggering of planned measures
- Connection to super ordinated management systems

Today's integrated system solutions must provide these capabilities - absolutely reliable, scalable and economical. Of course the suitable locking solution has to be included too. This product assures complete solution from one hand, which has the decisive features. Our modular designed systems can be easily adapted to the customer's needs. The ELM control software allows for convenient control of all processes and access regulations

The 19" rack mount unit can be equipped individually and is a universally usable and convenient plug-and-play solution

Software

| Locking | Protecting | Monitoring | Alarming |

Overview

Intelligent Rack Access controller, designed and manufactured with highest quality standards to control & manage front & back door of Rack / Enclosures. The system is reliable easy to install with minimum support and can be Installed in new Racks and retrofitted on existing Racks.

All critical components installed in 1U enclosure with external connectors for easy installation, different readers & lock options Available to meet the requirement of the industry.

The product consist of three major components

1. Controller

2. Reader

3. Mechatronics Locks

Features

- 1U Rack mountable easy to install with excellent regional support, Value added customization support

- Reliable, robust and scalable solutions

- Industry specific value added feature

- Solutions give a complete configurable facility to control front and back door of server rack

- Lock / unlock the access point depending upon the pre-configured access rules based on credentials and time

- Plug & Play Mechatronic Locks and Readers with RJ45 Connectivity

- Onboard TCP/IP, The versatile interface makes the devices technically very strong & user friendly. It gives a huge freedom to use the infrastructure either its existing or, upcoming SNMP Alerts: SNMP Alerts generated for various events i.e, Unauthorized Access, DOTL, Door Force Open, Etc.

- Easy Remote Online Firmware Up-gradation, Device Has inbuilt capability for online firmware up-gradation

- Transaction and user Capacity: It stores up to 50,000 User/Cards and up to 1,00,000 Transaction/Events

- Data Security: Data can be Downloaded on the software by mapping the IP address of the controller making it more secure

- Multi card Format Supported: Compatible with all latest card technology, HID-iClass, HID PROX, Mifare, EM Prox

- Dual authentication ready. Card + PIN, Biometric + PIN

Technical Data:	
CPU	ARM 32 Bit RISC Processor
Memory	Up to 8 MB (Flash)
No. Of. Doors	2
No. Of Readers	2
Events/Transactions	1,00,000
No. Users	50,000
Web Server	Yes
Reader Interface	Wigand Upto 34 Bit
Input	4
Output	4
Communication Port	TCP/IP, Rs485
Fire Integration	Yes
Intrusion Integration	Yes
LCD	16X2 LCD Display
Keypad	4X3 Key with Soft Keypad
Baud Rate	96000bps (Default)
Controller ID	Unlimited
Language	English
Power Supply	12 V Dc / 5A
Enclosure	1 U rack Enclosure
Facility Code	Available
Time Zone / Access Levels	63 + 1 (free Time Zone/Unlimited)
Time Zone Slots	4 Slots per Day
Holiday Settings	42

Mechatronics Locks

Readers / Operating Module

Rack Power & Electronics

Model Matrix		
Control Module		
1	Intelligent Rack Access Controller/1U 2Door＋TCPIP＋Modubus＋ (Management Software/Single location/ Acess Database Software/500 User/Max Data 60MB)	RAC00
Operating Module		
2	Operating Module / Keypad	RAC-001
3	Operating Module Keypad / EM Card	RAC-002
4	Operating Module Keypad / Mifare card	RAC-003
5	Operating Module / Keypad ＋ HID Prox card / 125Khz	RAC-004
6	Operating Module /Keypad ＋HID I class / 13.5Mhz	RAC-005
7	Operating Module / Keypad ＋Biometric Reader	RAC-006
8	Operating Module / Keypad ＋EM Card ＋Biometric Reader	RAC-007
9	Operating Module / Keypad ＋ Mifare card＋Biometric Re	RAC-008
10	Operating Module / Keypad ＋ HID Prox card / 124Khz＋Biometric Reader	RAC-009
11	Operating Module / Keypad ＋HID I class / 13.5Mhz＋Biometric Reader	RAC-010
Door Accessories		
12	Swing Handle Lock / Mechatronics/1Point	RAC-011-1
13	Swing Handle Lock / Mechatronics/3Point	RAC-011-3
14	Swing Handle Lock / Mechatronics/4Point	RAC-011-4
15	Door Status Switch	RAC-012
16	Door Status Sensor	RAC-013
Advanced Management Software		
17	Management software / Multi-location / MS SQL database (Up to 1000 Users) SQL License in Customer Scope / SQL Express: 4GB & SQL License	RAC-015
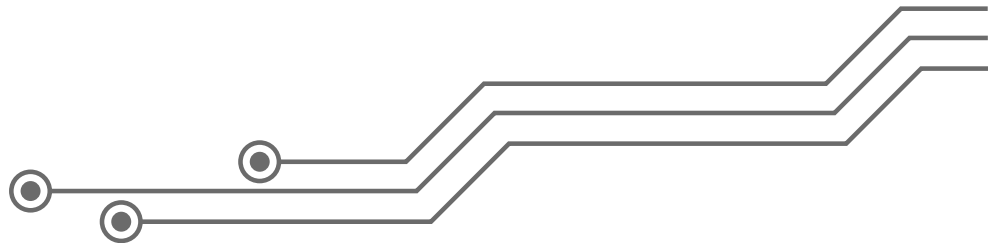
Over View- Management Software

Smart access is a new and latest access management software specially desigred for Rack access controller this software has unique feature of configuring various parameters at reader level instead of controller level as in download reader rather controller, thus offering more flexibility in defining the access designed and developed which can include any new product or controllers that would be introduced in future by Netrack

Key Features Of The Project
- Bulk upload of cards
- Finger or Card Identity for admin login - supports duress finger
- User definable LCD messages
- Multiple time zone
- APBs: user wise soft, area wise, escort - Holidays: 42 (Reader Wise)
- Controller No: Max 9999
- Auto Downloading
- Reset command from software
- Self backup of Database
- Report Format : excel, Xml, dbf, txt, csv,
- Crystal reports

Security Features
- Audit Log available - Password Protected
- Definable user Rights
- Restriction of downloading from a particular company only using IP address

Reports
- Access Report -10 Entry Report - FILO Report
- Event Report
- Unknown Transaction Report
- Employee Report
- Employee Access Level Report
- Audit Report

Specifications For Rac 015
- Multiuser
- Multi Company
- Multi Location
- Employee Photograph
- Visible online status when connected to PC
- Displaying short Messages
- Fingerprint Templates Management
- Delay time to access successive punches from the same user

System Configuration
- Windows 2000 or above - 80 GB Harddisk
- 1 GB RAM
- Mouse available

NETRACK ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Electronic Key Pad Locking System

Features

- ELM Combination Handle Unit with Integrated Keypad
- The Combination Handle Unit is o spring loaded handle with o operating module key pad
- The keypad unit allows the selection of doors within the complete system, as well os an input of the access code of the selected door
- The integrated locking unit lets at a triggered impulse the handle jump from the hollow so that it can be pressed
- The integrated reed contact reports the current operation status of the handle (open/closed) to the connected modules for further processing.
- The keypad has access to all of the other connected locking systems. In turn, the handle device can be opened also from other operation modules or via software from the PC
- The access code system allows forming of groups from handles with different opening permissions which can be subdivided hierarchically

Model Matrix

Description	Part Code
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/1Point+1Point/Soutco	RAC-014-01-S
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/1Point+3Point/Soutco	RAC-014-02-S
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/3Point+3Point/Soutco	RAC-014-03-S
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/4Point+3Point/Soutco	RAC-014-04-S
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/4Point+4Point/Soutco	RAC-014-05-S
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/1Point+1Point/EMKA	RAC-014-01-E
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/1Point+3Point/EMKA	RAC-014-02-E
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/3Point+3Point/EMKA	RAC-014-03-E
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/4Point+4Point/EMKA	RAC-014-04-E
Swing Handle Lock/ Mechatronic/2door/keypad/Standalone/4Point+3Point/EMKA	RAC-014-05-E

Overview

Trends towards consolidation and higher-density computing configurations increasing the requirement of climate monitoring today. NetRack along with Raritan and EMKA offer different options.

Display based Monitoring system to monitor temperature, humidity and smoke, with inbuilt capability for further automation like fan control with set points and alorming. Standard configuration include 5 sensor inputs (3-temperature 1 Humidity & 1 smoke) 2 relays out puts (Hooter and Fan Control)

Central Control / Display Unit

Features

- Monitors the temperature, humidity & smoke inside the enclosure out put to alarm relay and one additional relay out put for further automation / Trip /
- Fan control with set point
- Temperature and Humidity can be set for low and high value
- Smoke detection and alarming
- Audio-Video Alarm (Audio-Buzzer and Video-Fault Type on Display Unit) in the event of fault

Sensor Humidity & Temperature

Sensor / Smoke

Model Matrix	
Description	Part No.
Central Control unit /1U	CMM-CU-1
Sensor / Temperature	CMM-S-T
Sensor / Humidity	CMM-S-H
Sensor / Smoke	CMM-S-S
Smoke Detector / Hooter	SD-H
Fan Control Unit / Temperature	FCU-T-001

Rack Power & Electronics

Climate Monitoring on IP

Feature Port for Temperature & Humidity Sensor

Environmental Sensor

IP based Climate Monitoring (Temperature & Humidity), along with Intelligent Raritan PDU and sensor modules

IP based complete Electronic Locking & monitoring climate monitoring along with EMKA Rack Monitoring Systems

Smart Rack Controller (EMX) from Raritan

Raritan's environmental rack controller is an IP-based appliance that allows you to use any of Raritan's sensors such as temperature, humidity, air pressure and airflow

- Works with Raritan's Power IQ® energy management software and dcTracke® DCIM software
- Up to 16 sensors per EMX2-111
- Up to 128 sensors per EMX2-888
- Wired or wireless network options
- USB camera option

Environment Sensors

- Temperature
- Humidity
- Airflow
- Air pressure
- Contact closure enables use of additional sensors, including water, smoke, door open/closed and door locked.

Overview

DKX3 High Performance KVM-over-IP S

The Dominion® KX III is an enterprise-class KVM-over-IP switch that provides 1, 2, 4 or 8 users with remote BIOS-level control of 8 to 64 servers. It comes with standard features such as DVI/HDMI/DisplayPort digital and analog video, audio, virtual media, smart card/CAC, blade server support, and mobile access. Deploy it alone, or with Raritan's CommandCenter® Secure Gateway (CC-SG) for centralized access to all KX IIIs; or with the User Station for hassle-free IP KVM access.

KVM-over-IP access in a self-contained, low-maintenance appliance. Its productive user interface supports two 1080p video sessions at 30 FPS, simultaneous access to eight or more servers, dual monitors, audio and virtual media.

Model Matrix & Dimensions	
Specifications	**Description**
DKX3-864	64 server ports, 8 remote users, 1 local port for use at the rack
DKX3-832	32 server ports, 8 remote users, 1 local port for use at the rack
DKX3-808	8 server ports, 8 remote users, 1 local port for use at the rack
DKX3-464	64 server ports, 4 remote users, 1 local port for use at the rack
DKX3-432	32 server ports, 4 remote users, 1 local port for use at the rack
DKX3-416	16 server ports, 4 remote users, 1 local port for use at the rack
DKX3-232	32 server ports, 2 remote users, 1 local port for use at the rack
DKX3-216	16 server ports, 2 remote users, 1 local port for use at the rack
DKX3-132	32 server ports, 1 remote user, 1 local port for use at the rack
DKX3-116	16 server ports, 1 remote user, 1 local port for use at the rack
DKX3-108	8 server ports, 1 remote user, 1 local port for use at the rack

Rack Power & Electronics

Overview

DLX KVM-Over-IP for Small to Midsize Businesses

Dominion® LX is Raritan's affordable KVM-over-IP switch that provides IT managers in small and midsize business (SMB) environments with local and remote BIOS-level server management in 8 port and 16 port switches (expandable to 256 servers with tiering)

It's ideal for Small to Midsize Businesses looking for a small footprint and reliability with affordability

Models	
Dominion LX Model	**Description**
DLX-108	Economical 8-port KVM-over-IP switch, 1 remote, 1 local user, virtual media, single power and single LAN
DLX-116	Economical 16-port KVM-over-IP switch, 1 remote, 1 local user, virtual media, single power and single LAN
DLX-216	Economical 16-port KVM-over-IP switch, 2 remote, 1 local user, virtual media,single power and single LAN

Overview

The Dominion SX II is Raritan's next-generation Serial Console Server (Terminal Server) that provides IT and network administrators secure IP access and control of serial devices, anytime, anywhere. The new SX II is the most powerful, secure, reliable, easy-to-use serial-over-IP device on the market. SX II provides convenient access to networking devices, servers, PDUs, telecommunications and other serial devices.

Model Matrix	
Models	Description
DSX2-4 / DSX2-4M	4-port serial console server with dual-power AC and dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. (M in model = internal telephone modem)
DSX2-8 / DSX2-8M	8-port serial console server with dual-power AC and dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. (M in model = internal telephone modem)
DSX2-8M-DC	8-port serial console server with dual-power DC and dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. Internal telephone modem
DSX2-16 / DSX2-16M	16-port serial console server with dual-power AC and dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. (M in model = internal telephone modem)
DSX2-32 / DSX2-32M	32-port serial console server with dual-power AC and dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. (M in model = internal telephone modem)
DSX2-32M-DC	32-port serial console server with dual-power DC, dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. Internal telephone modem
DSX2-48 / DSX2-48M	48-port serial console server with dual-power AC and dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. (M in model = internal telephone modem)
DSX2-48M-DC	48-port serial console server with dual-power DC, dual gigabit LAN. Serial, USB and KVM local console ports. 19" rack mount kit. Internal telephone modem

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Rack Power & Electronics

Overview

Managing more servers at rack level with single monitor and key board OR LCD Console drawer is a challenge and as entry level we need some devise to manages this cost effectively. NetRack understand the requirement introduce Analogue 8 and 16 port KVM which can be cascadable till 8 levels. Interestinglly Analogue KVM are used in all SOHO, SMB and Enterprise segment.

NR-CV-S801   NR-CV-S1601

Local Console   NR-CV-S801

Power   Cascade

NR-CV-S1601
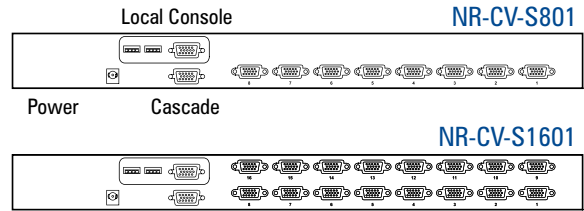
Combo DB-15 KVM Benefits

- Combo DB-15 KVM with either 8 or 16 ports in 1U
- Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM
- Mix PS/2, USB & SUN with Multi-Platform switch capability
- Support resolution up to 1920 x 1080
- SUN 1152 x 900 resolution compatible
- Hot pluggable, no software or drivers required
- Easy & quick installation

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- DC power options : 12V / 24V / 48V / 110 ~ 125V

Ordering Information

Console	Local	Remote	IP	8-port	16-port
👤	1	0	0	NR-CV-S801	NR-CV-S1601

KVM Specification

KVM Port	
Number of ports:	8 or 16
Connector:	DB-15 combo connector
Connectivity:	Combo 4-in-1 KVM cable, up to 6, 10 & 15 feet

Local Console	
Graphic Connector:	1 x DB-15 VGA
Resolution:	Up to 1920 x 1080 / 1920 x 1200
Input Device:	2 x USB type A for keyboard & mouse

Management	
Multilingual OSD:	English, France, German, Spanish, Italian, Russian, Simplified Chinese, Japanese
Hotkey Combination:	Scroll-lock, Cap-lock, Num-lock, Alt, Ctrl & Win
Security:	Password enable & disable, up to 8 users profile for access
PC Selection:	Front button, OSD menu & hotkey

Expansion
Up to 128 servers by 8-level cascade

Compatibility	
Multi-Platform:	Mix PCs, SUN and Mac G3 G4 Mac / iMac
Support:	Windows 7 / Vista / 2003 XP, Linux, Unix

Power	
Input:	Auto sensing 100 to 240VAC, 50/60 Hz
Option DC:	12V/24V/48V/110 ~ 125V DC input
Consumption:	Max. 24 Watt, Standby 5 Watt

Regulatory	
Safety:	cUL, FCC & CE certified
Environment:	RoHS2 & REACH compliant

Environmental	
Operating:	0 to 55°C
Storage:	-5 to 60°C
Relative Humidity:	90%, non-condensing
Shock:	50G peak acceleration (11ms, half-sine wave)
Vibration:	58~100Hz / 0.98G (11ms / cycle)

Product Information	
Dimension (W x D x H):	443 x 171 x 44 mm/17.4 x 6.7 x 1.73 inch
Net Weight:	2.4 kg / 5.3 lb (CV-S801) 2.6 kg / 5.7 lb (CV-S1601)

Packing Information	
Dimension (W x D x H):	500 x 400 x 90 mm / 19.7 x 15.7 x 3.5 inch
Gross Weight:	3.9 kg / 8.6 lb (CV-S801) 4.2 kg / 9.2 lb (CV-S1601)

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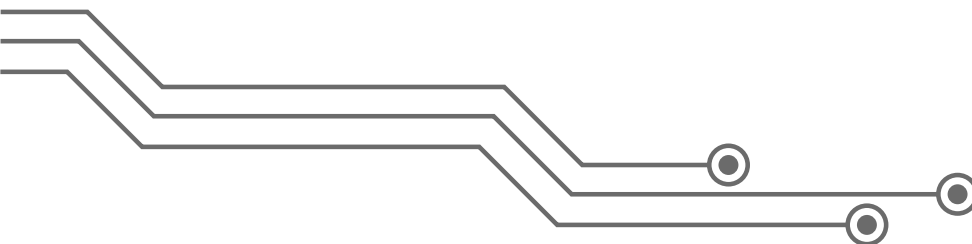
Overview

Further reducing the form factor of Monitor, key board and mouse to 1U with KVM connectivity to manage the whole show at rack level think NetRack to introduce LCD Console Drawers and available in different Resolutions to meet the individual Requirement.

NR-W119

Drawer Features & Display Benefits

- 1U 19" widescreen LCD console drawer
- 104-key keyboard with touchpad
- New enhanced aesthetics with molded front handle
- Short depth design of 460mm (18.1") only
- Front USB port for device access (USB Hub KVM only)
- 2 post rack mounting available

Options

- 3G / HD / SD-SDI Broadcast-grade input
- S-Video + Composite (BNC)
- HDMI or Audio input
- 48V, 24V or 12VDC power

Specifications

LCD Panel

Manufacturer :	SAMSUNG
Size (diagonal) :	19" widescreen TFT
Max resolution :	1440 x 900**
Brightness (cd/m2) :	300
Backlight :	CCFL
Colors :	16.7M
Contrast ratio (typ) :	1000 : 1
Viewing angle (H/V) :	160° x 160°
Active area (mm) :	408 x 255
MTBF (hrs) :	50,000
Signal input :	VGA

**High Resolution (1920 x 1200) console also available

Casing Color : Black (RAL 9005)

Weight (Single console)

Net : 11.5 kgs (25.3 lbs)

Gross : 16 kgs (35.2 lbs)

CB-6
6 feet VGA console cable (alternative)
- VGA + USB, server end
- DB15 (VGA, USB KB & MS), console port

Environmental

Operating :	0 to 50°C Degree
Storage :	-5 to 60°C Degree
Relative humidity :	5~90%, non-condensing
Shock :	10G acceleration (11 ms duration)
Vibration :	5~500Hz 1G RMS random vibration

Regulatory
cUL, FCC & CE certified
Safety : RoHS2 & REACH compliant
Environmental

OEM
AUSTIN-HUGHES

Power
Input : Auto-sensing 100 to 240VAC, 50 / 60Hz
Consumption : Max. 48 Watt, Standby 5 Watt

Dimensions (Single console)
Product : 441.6 x 460 x 44 mm / 17.4 x 18.1 x 1.73 inch
Packing : 590 x 768 x 140 mm / 23.2 x 30.2 x 5.5 inch

Keyboard
Ge | G keyboard integrated with touchpad

9
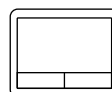
MEDIUM DENSITY CLOSED RACK SOLUTIONS

A. Closed All Steel Server &
   Network Racks - NRS Series

B. Closed Composite Aluminum &
   Steel Server Network Racks - NRA Series

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Medium Density Closed Rack Solutions

Overview

NRS Series are Rigid Racks for Servers, Networking, AV, Telecom & Lab application. Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame with 4 no pillars of 7 folded profile welded to top and bottom ribbed/reinforced frame additionally supported depth wise by welding 6 no depth rail 4 folded profile. Associated with vented top cover with fan mounting provision front glass or perforated metal door with lock & key and back vented / perforated metal door with lock & key and partially vented or plain side panels 1200 deep rack will be configured with dual side panel. Free standing on floor with 4 No casters wheels with 2 No with brakes and 2 Nos. without brakes & with levelers or plinth.

UL CERTIFIED

Available in 6RU~52RU Variants with 650, 800,1000 & 1200 Depth configurations and 600 Width configurations.

UL CERTIFIED

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NRS 600 Series Configurator Drawing with Critical Parts

NRS 600 mm Width Rack

1. Rack Frame	6. Metal Door
2. Levellers	7. Perforated Door / Convex
3. Castors	8. Perforated Door / Dual
4. Plinth	9. Sidepanel / Vented
5. Glass Door	

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No adjustable, 19" verticals with punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount provision on top cover

Accessories:

- Cable Basket
- Angle Pair
- Ganging Kit
- Fixed Shelf

- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf
- Power Distribution Units

- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit
- Plinth

- Casters
- Levellers
- Rack Stabilizing Kit

Technical Data:	
Basic Frame	Steel folded
Construction	Welded or CKD
Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated Steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750Kg with casters. 1250Kg with Levelers / Plinth

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Model Matrix & Dimensions

NRS Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
6U 600X650	411	6U	600	19″	650	550	TYPE 1	—
6U 600X800	411	6U	600	19″	800	700	TYPE-1	—
6U 600X1000	411	6U	600	19″	1000	900	TYPE-1	—
9U 600X650	544	9U	600	19″	650	550	TYPE-1	—
9U 600X800	544	9U	600	19″	800	700	TYPE-1	—
9U 600X1000	544	9U	600	19″	1000	900	TYPE-1	—
12U 600X650	677	12U	600	19″	650	550	TYPE-1	—
12U 600X800	677	12U	600	19″	800	700	TYPE-1	—
12U 600X1000	677	12U	600	19″	1000	900	TYPE-1	—
15U 600X650	810	15U	600	19″	650	550	TYPE-1	—
15U 600X800	810	15U	600	19″	800	700	TYPE-1	—
15U 600X1000	810	15U	600	19″	1000	900	TYPE-1	—
17U 600X650	899	17U	600	19″	650	550	TYPE-1	—
17U 600X800	899	17U	600	19″	800	700	TYPE-1	—
17U 600X1000	899	17U	600	19″	1000	900	TYPE-1	—
22U 600X650	1121	22U	600	19″	650	550	TYPE-2	50/100
22U 600X800	1121	22U	600	19″	800	700	TYPE-2	50/100
22U 600X1000	1121	22U	600	19″	1000	900	TYPE-2	50/100
22U 600X1200	1121	22U	600	19″	1200	1100	TYPE-2	50/100
27U 600X650	1343	27U	600	19″	650	550	TYPE-2	50/100
27U 600X800	1343	27U	600	19″	800	700	TYPE-2	50/100
27U 600X1000	1343	27U	600	19″	1000	900	TYPE-2	50/100
27U 600X1200	1343	27U	600	19″	1200	1100	TYPE-2	50/100
32U 600X650	1565	32U	600	19″	650	550	TYPE-3	50/100
32U 600X800	1565	32U	600	19″	800	700	TYPE-3	50/100
32U 600X1000	1565	32U	600	19″	1000	900	TYPE-3	50/100
32U 600X1200	1565	32U	600	19″	1200	1100	TYPE-3	50/100
34U 600X650	1654	34U	600	19″	650	550	TYPE-3	50/100
34U 600X800	1654	34U	600	19″	800	700	TYPE-3	50/100
34U 600X1000	1654	34U	600	19″	1000	900	TYPE-3	50/100
34U 600X1200	1654	34U	600	19″	1200	1100	TYPE-3	50/100
36U 600X650	1743	36U	600	19″	650	550	TYPE-3	50/100
36U 600X800	1743	36U	600	19″	800	700	TYPE-3	50/100
36U 600X1000	1743	36U	600	19″	1000	900	TYPE-3	50/100
36U 600X1200	1743	36U	600	19″	1200	1100	TYPE-3	50/100
38U 600X650	1832	38U	600	19″	650	550	TYPE-3	50/100
38U 600X800	1832	38U	600	19″	800	700	TYPE-3	50/100
38U 600X1000	1832	38U	600	19″	1000	900	TYPE-3	50/100
38U 600X1200	1832	38U	600	19″	1200	1100	TYPE-3	50/100
40U 600X650	1921	40U	600	19″	650	550	TYPE-3	50/100
40U 600X800	1921	40U	600	19″	800	700	TYPE-3	50/100

Medium Density Closed Rack Solutions

Model Matrix & Dimensions

NRS Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
40U 600X1000	1921	40U	600	19"	1000	900	TYPE-3	50/100
40U 600X1200	1921	40U	600	19"	1200	1100	TYPE-3	50/100
42U 600X650	2010	42U	600	19"	650	550	TYPE-3	50/100
42U 600X800	2010	42U	600	19"	800	700	TYPE-3	50/100
42U 600X1000	2010	42U	600	19"	1000	900	TYPE-3	50/100
42U 600X1200	2010	42U	600	19"	1200	1100	TYPE-3	50/100
44U 600X650	2099	44U	600	19"	650	550	TYPE 3	50/100
44U 600X800	2099	44U	600	19"	800	700	TYPE 3	50/100
44U 600X1000	2099	44U	600	19"	1000	900	TYPE 3	50/100
44U 600X1200	2099	44U	600	19"	1200	1100	TYPE 3	50/100
45U 600X650	2143	45U	600	19"	650	550	TYPE 3	50/100
45U 600X800	2143	45U	600	19"	800	700	TYPE 3	50/100
45U 600X1000	2143	45U	600	19"	1000	900	TYPE 3	50/100
45U 600X1200	2143	45U	600	19"	1200	1100	TYPE 3	50/100
47U 600X650	2232	47U	600	19"	650	550	TYPE 3	50/100
47U 600X800	2232	47U	600	19"	800	700	TYPE 3	50/100
47U 600X1000	2232	47U	600	19"	1000	900	TYPE 3	50/100
47U 600X1200	2232	47U	600	19"	1200	1100	TYPE 3	50/100
48U 600X650	2276	48U	600	19"	650	550	TYPE 3	50/100
48U 600X800	2276	48U	600	19"	800	700	TYPE 3	50/100
48U 600X1000	2276	48U	600	19"	1000	900	TYPE 3	50/100
48U 600X1200	2276	48U	600	19"	1200	1100	TYPE 3	50/100
50U 600X650	2365	50U	600	19"	650	550	TYPE 3	50/100
50U 600X800	2365	50U	600	19"	800	700	TYPE 3	50/100
50U 600X1000	2365	50U	600	19"	1000	900	TYPE 3	50/100
50U 600X1200	2365	50U	600	19"	1200	1100	TYPE 3	50/100
52U 600X650	2454	52U	600	19"	650	550	TYPE 3	50/100
52U 600X800	2454	52U	600	19"	800	700	TYPE 3	50/100
52U 600X1000	2454	52U	600	19"	1000	900	TYPE 3	50/100
52U 600X1200	2454	52U	600	19"	1200	1100	TYPE 3	50/100

Note :

1. Overall Height = Frame Height+Plinth or Caster
2. Other models can be manufactured on request
3. It is recommended to distribute the Load along with U space in the Rack
4. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Description	Height (mm)
TYPE-1	65
TYPE-2	85
TYPE-3	105

Overview

NRS Series are Rigid Racks for Servers, Networking, AV, Telecom & Lab application. Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for racks configuration will be welded frame with 4 no pillars of 7 folded profile welded to top and bottom ribbed/ reinforced frame additionally supported depth wise by welding 6 no depth rail 4 folded profile. Associated with vented top cover with fan mounting provision front glass or perforated metal door with lock & key and back vented / perforated metal door with lock & key and partially vented or Plain side panels 1200 deep rack will be configured with dual side panel. Free standing on floor with 4 No casters wheels with 2 No with brakes and 2 Nos. without brakes & with levelers or plinth.

Available in 6RU~52RU Variants with 800,1000 & 1200 Depth configurations and 800 Width configurations.

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NRS 800 Series Configurator Drawing with Critical Parts

1. Rack Frame
2. Levellers
3. Castors
4. Plinth
5. 19" Adapter Kit / Loops
6. 19" Adapter Kit / Closed/ Door

7. Glass Door
8. Metal Door
9. Perforated Door / Convex
10. Perforated Door/ Dual
11. Side Panel / Vented
12. Cable Basket

NETRACK ENCLOSURES
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Medium Density Closed Rack Solutions

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount Provision on top Cover

Accessories:

- Cable Basket
- Angle Pair
- Ganging Kit
- Fixed Shelf

- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf
- Power Distribution Units

- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit
- Plinth

- Casters
- Levellers
- Rack Stabilizing Kit

Technical Data:	
Basic Frame	Steel folded
Construction	Welded or CKD
Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750Kg with casters. 1250Kg with Levelers / Plinth

Model Matrix & Dimensions

NRS Series	H	h	W	w/w1	D	d	Caster Type	Plinth Height(mm)
6U 800X800	411	6U	800	19"/27"	800	700	TYPE-1	—
6U 800X1000	411	6U	800	19"/27"	1000	900	TYPE-1	—
9U 800X800	544	9U	800	19"/27"	800	700	TYPE-1	—
9U 800X1000	544	9U	800	19"/27"	1000	900	TYPE-1	—
12U 800X800	677	12U	800	19"/27"	800	700	TYPE-1	—
12U 800X1000	677	12U	800	19"/27"	1000	900	TYPE-1	—
15U 800X800	810	15U	800	19"/27"	800	700	TYPE-1	—
15U 800X1000	810	15U	800	19"/27"	1000	900	TYPE-1	—
17U 800X800	899	17U	800	19"/27"	800	700	TYPE-1	—
17U 800X1000	899	17U	800	19"/27"	1000	900	TYPE-1	—
22U 800X800	1121	22U	800	19"/27"	800	700	TYPE-2	50/100
22U 800X1000	1121	22U	800	19"/27"	1000	900	TYPE-2	50/100
22U 800X1200	1121	22U	800	19"/27"	1200	1100	TYPE-2	50/100
27U 800X800	1343	27U	800	19"/27"	800	700	TYPE-2	50/100
27U 800X1000	1343	27U	800	19"/27"	1000	900	TYPE-2	50/100
27U 800X1200	1343	27U	800	19"/27"	1200	1100	TYPE-2	50/100
32U 800X800	1565	32U	800	19"/27"	800	700	TYPE-3	50/100
32U 800X1000	1565	32U	800	19"/27"	1000	900	TYPE-3	50/100
32U 800X1200	1565	32U	800	19"/27"	1200	1100	TYPE-3	50/100
34U 800X800	1654	34U	800	19"/27"	800	700	TYPE-3	50/100
34U 800X1000	1654	34U	800	19"/27"	1000	900	TYPE-3	50/100
34U 800X1200	1654	34U	800	19"/27"	1200	1100	TYPE-3	50/100
36U 800X800	1743	36U	800	19"/27"	800	700	TYPE-3	50/100
36U 800X1000	1743	36U	800	19"/27"	1000	900	TYPE-3	50/100
36U 800X1200	1743	36U	800	19"/27"	1200	1100	TYPE-3	50/100
38U 800X800	1832	38U	800	19"/27"	800	700	TYPE-3	50/100
38U 800X1000	1832	38U	800	19"/27"	1000	900	TYPE-3	50/100
38U 800X1200	1832	38U	800	19"/27"	1200	1100	TYPE-3	50/100
40U 800X800	1921	40U	800	19"/27"	800	700	TYPE-3	50/100
40U 800X1000	1921	40U	800	19"/27"	1000	900	TYPE-3	50/100
40U 800X1200	1921	40U	800	19"/27"	1200	1100	TYPE-3	50/100
42U 800X800	2010	42U	800	19"/27"	800	700	TYPE-3	50/100
42U 800X1000	2010	42U	800	19"/27"	1000	900	TYPE-3	50/100
42U 800X1200	2010	42U	800	19"/27"	1200	1100	TYPE-3	50/100
44U 800X800	2099	44U	800	19"/27"	800	700	TYPE-3	50/100
44U 800X1000	2099	44U	800	19"/27"	1000	900	TYPE-3	50/100
44U 800X1200	2099	44U	800	19"/27"	1200	1100	TYPE-3	50/100
45U 800X800	2248	45U	800	19"/27"	800	700	TYPE-3	50/100
45U 800X1000	2248	45U	800	19"/27"	1000	900	TYPE-3	50/100
45U 800X1200	2248	45U	800	19"/27"	1200	1100	TYPE-3	50/100
47U 800X800	2337	47U	800	19"/27"	800	700	TYPE-3	50/100
47U 800X1000	2337	47U	800	19"/27"	1000	900	TYPE-3	50/100
47U 800X1200	2337	47U	800	19"/27"	1200	1100	TYPE-3	50/100
48U 800X800	2381	48U	800	19"/27"	800	700	TYPE-3	50/100

Medium Density Closed Rack Solutions

Model Matrix & Dimensions

NRS Series	H	h	W	w/w1	D	d	Caster Type	Plinth Height(mm)
48U 800X1000	2381	48U	800	19"/27"	1000	900	TYPE-3	50/100
48U 800X1200	2381	48U	800	19"/27"	1200	1100	TYPE-3	50/100
50U 800X800	2470	50U	800	19"/27"	800	700	TYPE-3	50/100
50U 800X1000	2470	50U	800	19"/27"	1000	900	TYPE-3	50/100
50U 800X1200	2470	50U	800	19"/27"	1200	1100	TYPE-3	50/100
52U 800X800	2559	52U	800	19"/27"	800	700	TYPE-3	50/100
52U 800X1000	2559	52U	800	19"/27"	1000	900	TYPE-3	50/100
52U 800X1200	2559	52U	800	19"/27"	1200	1100	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. Other models can be manufactured on request
3. It is recommended to distribute the Load along with U space in the Rack
4. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Description	Height (mm)
TYPE-1	65
TYPE-2	85
TYPE-3	105

CLOSED COMPOSITE ALUMINUM &
STEEL SERVER & NETWORK RACKS

NRA SERIES

Medium Density Closed Rack Solutions

Overview

NRA Series, Rigid Racks for Servers, Networking, AV, Telecom & Lab application. Racks manufactured out of aluminum profile, Formed steel frames & members, individually powder coated and bolted with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system.

Standard for Racks configuration will be bolted frame with 4 No. pillars made of aluminium extruded profile bolted to top and bottom ribbed/ reinforced frame additionally supported depth wise by 6 no depth rail 2 folded profile. Associated with vented top cover with fan mounting provision. Front Glass or perforated Metal Door with Lock & Key and Back Vented / Perforated Metal Door with Lock & Key and partially Vented or Plain side panels,1200 deep rack will be configured with dual side panel. Free standing on floor with 4 No casters wheels with 2 Nos. with brakes and 2 Nos. without brakes & with levelers OR plinth.

Available in 6RU~52RU Variants with 650, 800,1000 & 1200 Depth configurations and 600 Width configurations

Medium Density Closed Rack Solutions

NRA 600 Series Configurator Drawing with Critical Parts

1. Rack Frame	6. Metal Door
2. Levellers	7. Perforated Door / Convex
3. Castors	8. Perforated Door / Dual
4. Plinth	9. Side Panel / Vented
5. Glass Door	

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount provision on top cover

Technical Data:	
Basic Frame	Composite (Aluminium Section & Steel)
Construction	CKD Type
Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750Kg with casters. 1250Kg with Levelers / Plinth

Model Matrix & Dimensions

NRA Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
6U 600X650	411	6U	600	19"	650	550	TYPE 1	—
6U 600X800	411	6U	600	19"	800	700	TYPE-1	—
6U 600X1000	411	6U	600	19"	1000	900	TYPE-1	—
9U 600X650	544	9U	600	19"	650	550	TYPE-1	—
9U 600X800	544	9U	600	19"	800	700	TYPE-1	—
9U 600X1000	544	9U	600	19"	1000	900	TYPE-1	—
12U 600X650	677	12U	600	19"	650	550	TYPE-1	—
12U 600X800	677	12U	600	19"	800	700	TYPE-1	—
12U 600X1000	677	12U	600	19"	1000	900	TYPE-1	—
15U 600X650	810	15U	600	19"	650	550	TYPE-1	—
15U 600X800	810	15U	600	19"	800	700	TYPE-1	—
15U 600X1000	810	15U	600	19"	1000	900	TYPE-1	—
17U 600X650	899	17U	600	19"	650	550	TYPE-1	—
17U 600X800	899	17U	600	19"	800	700	TYPE-1	—
17U 600X1000	899	17U	600	19"	1000	900	TYPE-1	—
22U 600X650	1121	22U	600	19"	650	550	TYPE-2	50/100
22U 600X800	1121	22U	600	19"	800	700	TYPE-2	50/100
22U 600X1000	1121	22U	600	19"	1000	900	TYPE-2	50/100
22U 600X1200	1121	22U	600	19"	1200	1100	TYPE-2	50/100
27U 600X650	1343	27U	600	19"	650	550	TYPE-2	50/100
27U 600X800	1343	27U	600	19"	800	700	TYPE-2	50/100
27U 600X1000	1343	27U	600	19"	1000	900	TYPE-2	50/100
27U 600X1200	1343	27U	600	19"	1200	1100	TYPE-2	50/100
32U 600X650	1565	32U	600	19"	650	550	TYPE-3	50/100
32U 600X800	1565	32U	600	19"	800	700	TYPE-3	50/100
32U 600X1000	1565	32U	600	19"	1000	900	TYPE-3	50/100
32U 600X1200	1565	32U	600	19"	1200	1100	TYPE-3	50/100
34U 600X650	1654	34U	600	19"	650	550	TYPE-3	50/100
34U 600X800	1654	34U	600	19"	800	700	TYPE-3	50/100
34U 600X1000	1654	34U	600	19"	1000	900	TYPE-3	50/100
34U 600X1200	1654	34U	600	19"	1200	1100	TYPE-3	50/100
36U 600X650	1743	36U	600	19"	650	550	TYPE-3	50/100
36U 600X800	1743	36U	600	19"	800	700	TYPE-3	50/100
36U 600X1000	1743	36U	600	19"	1000	900	TYPE-3	50/100
36U 600X1200	1743	36U	600	19"	1200	1100	TYPE-3	50/100
38U 600X650	1832	38U	600	19"	650	550	TYPE-3	50/100
38U 600X800	1832	38U	600	19"	800	700	TYPE-3	50/100
38U 600X1000	1832	38U	600	19"	1000	900	TYPE-3	50/100
38U 600X1200	1832	38U	600	19"	1200	1100	TYPE-3	50/100
40U 600X650	1921	40U	600	19"	650	550	TYPE-3	50/100
40U 600X800	1921	40U	600	19"	800	700	TYPE-3	50/100
40U 600X1000	1921	40U	600	19"	1000	900	TYPE-3	50/100
40U 600X1200	1921	40U	600	19"	1200	1100	TYPE-3	50/100
42U 600X650	2010	42U	600	19"	650	550	TYPE-3	50/100

Model Matrix & Dimensions

NRA Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
42U 600X800	2010	42U	600	19"	800	700	TYPE-3	50/100
42U 600X1000	2010	42U	600	19"	1000	900	TYPE-3	50/100
42U 600X1200	2010	42U	600	19"	1200	1100	TYPE-3	50/100
44U 600X650	2099	44U	600	19"	650	550	TYPE 3	50/100
44U 600X800	2099	44U	600	19"	800	700	TYPE 3	50/100
44U 600X1000	2099	44U	600	19"	1000	900	TYPE 3	50/100
44U 600X1200	2099	44U	600	19"	1200	1100	TYPE 3	50/100
45U 600X650	2143	45U	600	19"	650	550	TYPE 3	50/100
45U 600X800	2143	45U	600	19"	800	700	TYPE 3	50/100
45U 600X1000	2143	45U	600	19"	1000	900	TYPE 3	50/100
45U 600X1200	2143	45U	600	19"	1200	1100	TYPE 3	50/100
47U 600X650	2232	47U	600	19"	650	550	TYPE 3	50/100
47U 600X800	2232	47U	600	19"	800	700	TYPE 3	50/100
47U 600X1000	2232	47U	600	19"	1000	900	TYPE 3	50/100
47U 600X1200	2232	47U	600	19"	1200	1100	TYPE 3	50/100
48U 600X650	2276	48U	600	19"	650	550	TYPE 3	50/100
48U 600X800	2276	48U	600	19"	800	700	TYPE 3	50/100
48U 600X1000	2276	48U	600	19"	1000	900	TYPE 3	50/100
48U 600X1200	2276	48U	600	19"	1200	1100	TYPE 3	50/100

Note:
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Description	Height (mm)
TYPE-1	65
TYPE-2	85
TYPE-3	105

Medium Density Closed Rack Solutions

Overview

NRA Series, Rigid Racks for Servers, Networking, AV, Telecom & Lab application. Racks manufactured out of aluminum profile, formed steel frames & members, individually powder coated & bolted with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system.

Standard for Racks configuration will be bolted frame with 4 No. pillars made of aluminium extruded profile bolted to top and bottom ribbed/ reinforced frame additionally supported depth wise by 6 no depth rail 2 folded profile. Associated with vented top cover with fan mounting provision Front Glass or perforated Metal Door with Lock & Key and Back Vented / Perforated Metal Door with Lock & Key and partially vented or Plain side panels,1200 deep rack will be configured with dual side panel. Free standing on floor with 4 No casters wheels with 2 Nos. with brakes and 2 Nos. without brakes & with Levelers OR plinth.

Available in 6RU~52RU Variants with 800,1000 & 1200 Depth configurations and 800 Width configurations

Medium Density Closed Rack Solutions

NRA 800 Series Configurator Drawing with Critical Parts
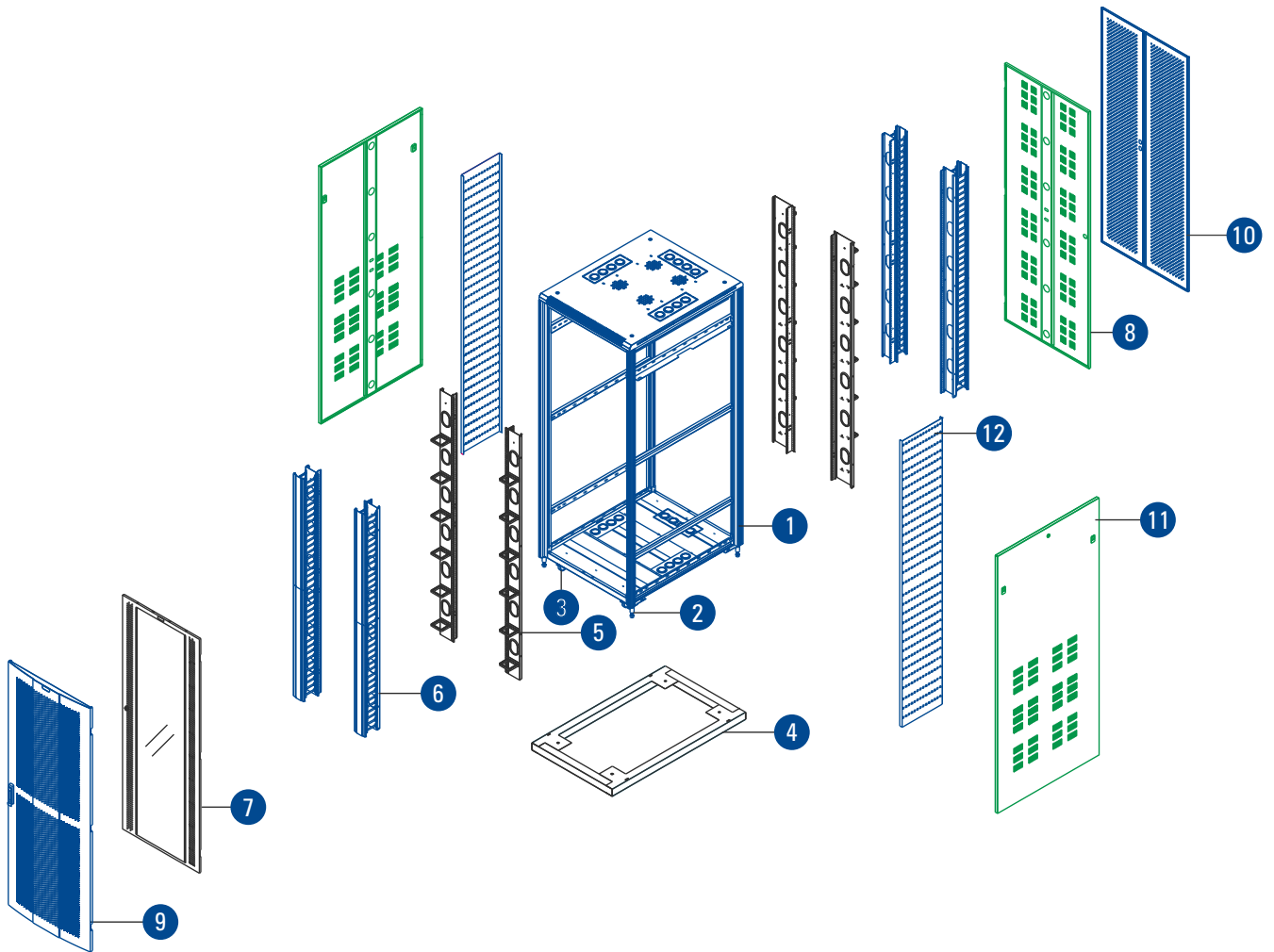
1. Rack Frame	7. Glass Door
2. Levellers	8. Metal Door
3. Castors	9. Perforated Door / Convex
4. Plinth	10. Perforated Door / Dual
5. 19" Adapter Kit/ loops	11. Side Panel / Vented
6. 19" Adapter Kit / Closed Door	12. Cable Basket

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount Provision on top cover

Accessories:

- Cable Basket
- Adapter Kit
- Ganging Kit
- Angle Pair
- Fixed Shelf
- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf
- Power Distribution Units
- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit
- Plinth
- Casters
- Levellers
- Rack Stabilizing Kit

Technical Data:

Basic Frame	Composite (Aluminium Section & Steel)
Construction	CKD Type
Top & Bottom Cover	Bolted to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750Kg with casters. 1250Kg with Levelers / Plinth

Model Matrix & Dimensions

NRA Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
6U 800X800	411	6U	800	19"/27"	800	700	TYPE-1	—
6U 800X1000	411	6U	800	19"/27"	1000	900	TYPE-1	—
9U 800X800	544	9U	800	19"/27"	800	700	TYPE-1	—
9U 800X1000	544	9U	800	19"/27"	1000	900	TYPE-1	—
12U 800X800	677	12U	800	19"/27"	800	700	TYPE-1	—
12U 800X1000	677	12U	800	19"/27"	1000	900	TYPE-1	—
15U 800X800	810	15U	800	19"/27"	800	700	TYPE-1	—
15U 800X1000	810	15U	800	19"/27"	1000	900	TYPE-1	—
17U 800X800	899	17U	800	19"/27"	800	700	TYPE-1	—
17U 800X1000	899	17U	800	19"/27"	1000	900	TYPE-1	—
22U 800X800	1121	22U	800	19"/27"	800	700	TYPE-2	50/100
22U 800X1000	1121	22U	800	19"/27"	1000	900	TYPE-2	50/100
22U 800X1200	1121	22U	800	19"/27"	1200	1100	TYPE-2	50/100
27U 800X800	1343	27U	800	19"/27"	800	700	TYPE-2	50/100
27U 800X1000	1343	27U	800	19"/27"	1000	900	TYPE-2	50/100
27U 800X1200	1343	27U	800	19"/27"	1200	1100	TYPE-2	50/100
32U 800X800	1565	32U	800	19"/27"	800	700	TYPE-3	50/100
32U 800X1000	1565	32U	800	19"/27"	1000	900	TYPE-3	50/100
32U 800X1200	1565	32U	800	19"/27"	1200	1100	TYPE-3	50/100
34U 800X800	1654	34U	800	19"/27"	800	700	TYPE-3	50/100
34U 800X1000	1654	34U	800	19"/27"	1000	9001	TYPE-3	50/100
34U 800X1200	1654	34U	800	19"/27"	1200	100	TYPE-3	50/100
36U 800X800	1743	36U	800	19"/27"	800	700	TYPE-3	50/100
36U 800X1000	1743	36U	800	19"/27"	1000	900	TYPE-3	50/100
36U 800X1200	1743	36U	800	19"/27"	1200	1100	TYPE-3	50/100
38U 800X800	1832	38U	800	19"/27"	800	700	TYPE-3	50/100
38U 800X1000	1832	38U	800	19"/27"	1000	900	TYPE-3	50/100
38U 800X1200	1832	38U	800	19"/27"	1200	1100	TYPE-3	50/100
40U 800X800	1921	40U	800	19"/27"	800	700	TYPE-3	50/100
40U 800X1000	1921	40U	800	19"/27"	1000	900	TYPE-3	50/100
40U 800X1200	1921	40U	800	19"/27"	1200	1100	TYPE-3	50/100
42U 800X800	2010	42U	800	19"/27"	800	700	TYPE-3	50/100
42U 800X1000	2010	42U	800	19"/27"	1000	900	TYPE-3	50/100
42U 800X1200	2010	42U	800	19"/27"	1200	1100	TYPE-3	50/100
44U 800X800	2099	44U	800	19"/27"	800	700	TYPE-3	50/100
44U 800X1000	2099	44U	800	19"/27"	1000	900	TYPE-3	50/100
44U 800X1200	2099	44U	800	19"/27"	1200	1100	TYPE-3	50/100
45U 800X800	2143	45U	800	19"/27"	800	700	TYPE-3	50/100
45U 800X1000	2143	45U	800	19"/27"	1000	900	TYPE-3	50/100
45U 800X1200	2143	45U	800	19"/27"	1200	1100	TYPE-3	50/100

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Model Matrix & Dimensions

NRA Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
47U 800X800	2232	47U	800	19"/27"	800	700	TYPE-3	50/100
47U 800X1000	2232	47U	800	19"/27"	1000	900	TYPE-3	50/100
47U 800X1200	2232	47U	800	19"/27"	1200	1100	TYPE-3	50/100
48U 800X800	2276	48U	800	19"/27"	800	700	TYPE-3	50/100
48U 800X1000	2276	48U	800	19"/27"	1000	900	TYPE-3	50/100
48U 800X1200	2276	48U	800	19"/27"	1200	1100	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. Other models can be manufactured on request
3. It is recommended to distribute the Load along with U space in the Rack
4. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Description	Height (mm)
TYPE-1	65
TYPE-2	85
TYPE-3	105

10

GENERAL ELECTRONICS RACKS

A. Single Section Wall Mount Racks
B. Double Section Wall Mount Racks
C. Floor Mount Racks - FM Series
D. Floor mount Racks - NRS1 Series
E. Table Mount Rack - NRS1 Series

Overview

WM Series, General Electronics Racks for Small Networking, AV, Telecom & Lab application. Racks are manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame integrated with side panel / removable side panel is available and vented top cover with fan mounting provision, associated Front Glass Door with Lock & Key and provision to mount racks on wall.
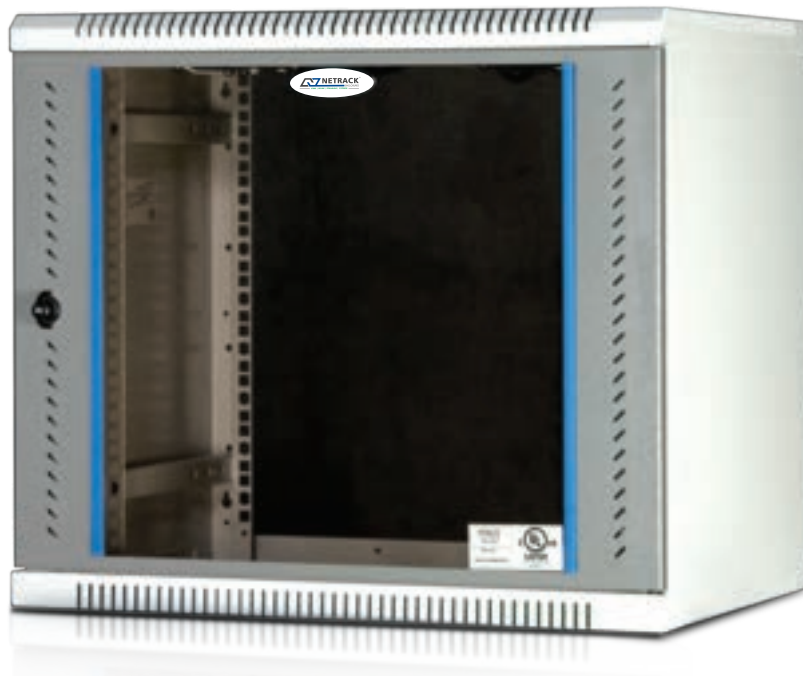
Available in 4RU~15RU Variants with 400, 500, 550 & 600 Depth configurations and 550 Width configurations.

General Electronics Racks

Single Section Wall Mount Configurator Drawing with Critical Parts
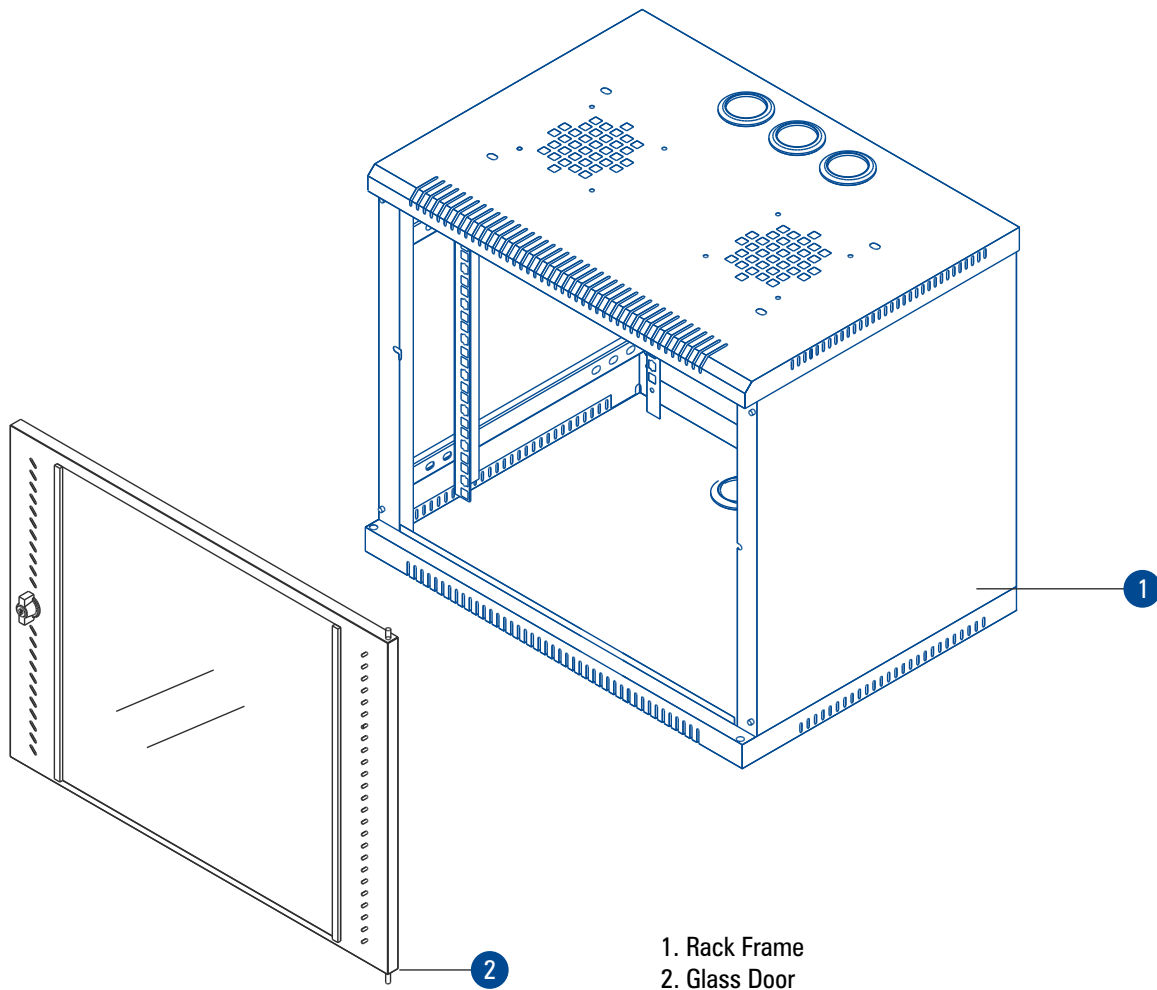
1. Rack Frame
2. Glass Door

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard
- Adjustable mounting depth
- 2 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding Options
- 1 or 2 Fan Mount provision on top cover

Accessories:

- Cable Organisers
- Power Distribution Units
- Shelves
- Cooling Fans
- Rack ground Kit

Technical Data:

Basic Frame	Steel
Construction	Welded / CKD
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	30Kg

Model Matrix & Dimensions

WM-Single Series	H	h	W	w	D	d
4U/550X400	258	4U	550	19"	400	380
4U/550X500	258	4U	550	19"	500	480
4U/550X550	258	4U	550	19"	550	530
4U/550X600	258	4U	550	19"	600	580
6U/550X400	347	6U	550	19"	400	380
6U/550X500	347	6U	550	19"	500	480
6U/550X550	347	6U	550	19"	550	530
6U/550X600	347	6U	550	19"	600	580
9U/550X400	481	9U	550	19"	400	380
9U/550X500	481	9U	550	19"	500	480
9U/550X550	481	9U	550	19"	550	530
9U/550X600	481	9U	550	19"	600	580
12U/550X400	613	12U	550	19"	400	380
12U/550X500	613	12U	550	19"	500	480
12U/550X550	613	12U	550	19"	550	530
12U/550X600	613	12U	550	19"	600	580
15U/550X400	749	15U	550	19"	400	380
15U/550X500	749	15U	550	19"	500	480
15U/550X550	749	15U	550	19"	550	530
15U/550X600	749	15U	550	19"	600	580

1U = 44.45 mm

Note : Other models can be manufactured on request.

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Overview

WM-DS Series, General Electronics Racks for Small Networking, AV, Telecom & Lab application. Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame integrated with side panel / removable side panel is available and vented top cover with fan mounting provision, Associated Front Glass Door with Lock & Key. Front Section will be hinged to Back section with high quality hinges. Back section will have wall mounting provision. Front & Back section can be Locked with Lock & Key.

Available in 6RU ~ 15RU Variants with 500 & 600 Depth configurations and 550 Width configurations.

Double Section Wall Mount Configurator Drawing with Critical Parts
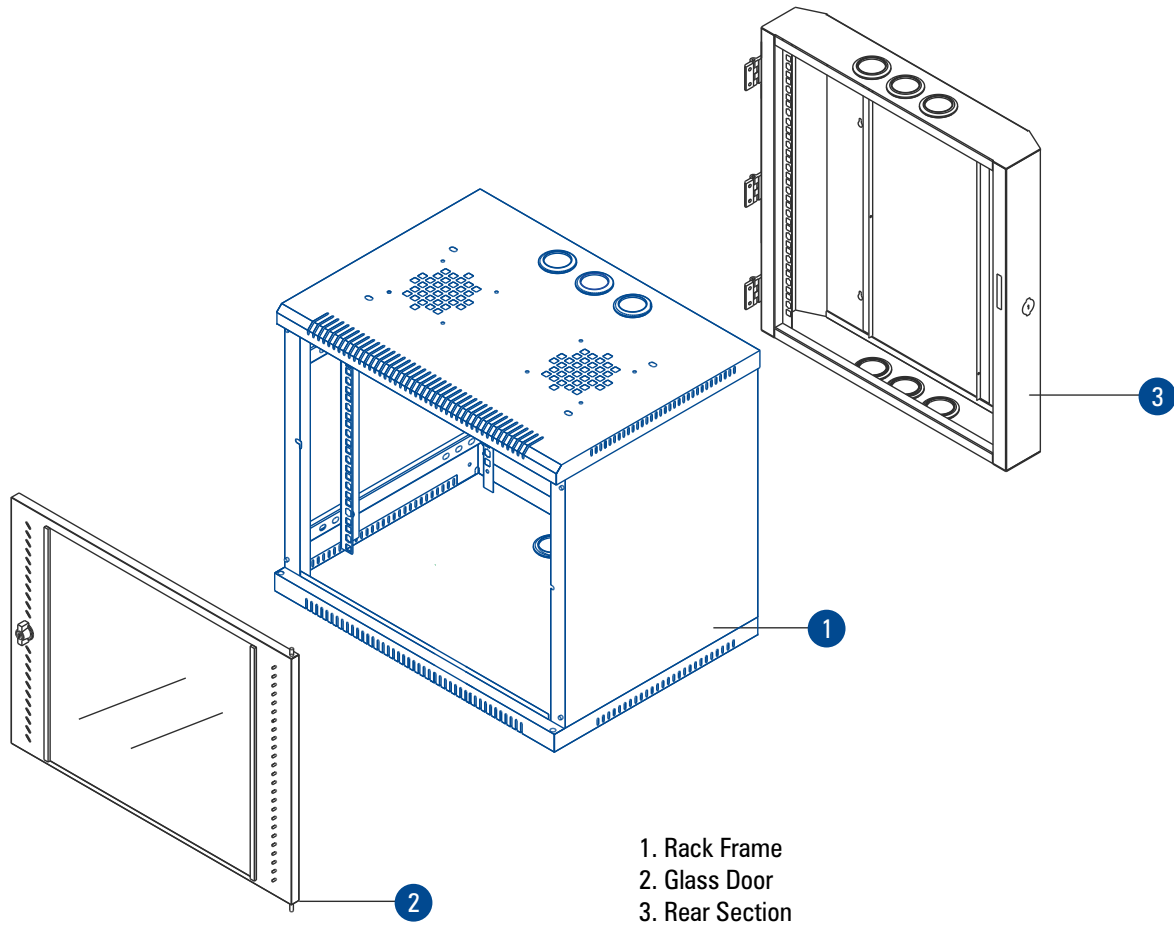
1. Rack Frame
2. Glass Door
3. Rear Section

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard
- Adjustable mounting depth
- 2 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding options
- 1 or 2 Fan Mount provision on top cover

Accessories:

- Cable Organisers
- Power Distribution Units
- Shelves
- Cooling Fans
- Rack ground Kit

General Electronics Racks

Technical Data:

Basic Frame	Steel
Construction	Welded
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	20Kg

Model Matrix & Dimensions

WM-DS Series	H	h	W	w	D	d	D1
6U/550X500	347	6U	550	19"	500	380	100
9U/550X500	481	9U	550	19"	500	380	100
12U/550X500	613	12U	550	19"	500	380	100
15U/550X500	749	15U	550	19"	500	380	100
6U/550X600	347	6U	550	19"	600	480	100
9U/550X600	481	9U	550	19"	600	480	100
12U/550X600	613	12U	550	19"	600	480	100
15U/550X600	749	15U	550	19"	600	480	100

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth
D1 - Rear Section Depth
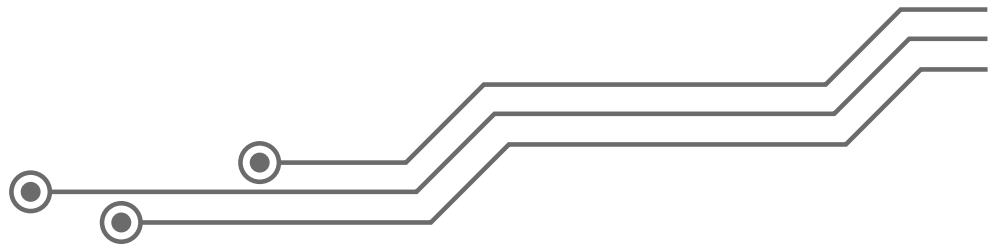
FLOOR MOUNT RACKS
FM, NRS1,
TABLE MOUNT - NRS1

Floor Mount Racks - FM Series

Overview

FM Series, General Electronics Racks for Small Networking, AV, Telecom & Lab application. Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product

Standard for Racks configuration will be welded frame integrated with side panel and vented top cover with fan mounting provision, associated with Front Glass Door with Lock & Key and Back Metal Door with Lock & Key and freestanding on floor with 4 No casters wheels with 2 No with brakes and 2 No without brakes

Available in 6RU ~32RU Variants with 600 Depth configurations and 600 Width configurations

General Electronics Racks

201

General Electronics Racks

Floor Mount Racks - FM Series Configurator Drawing with Critical Parts
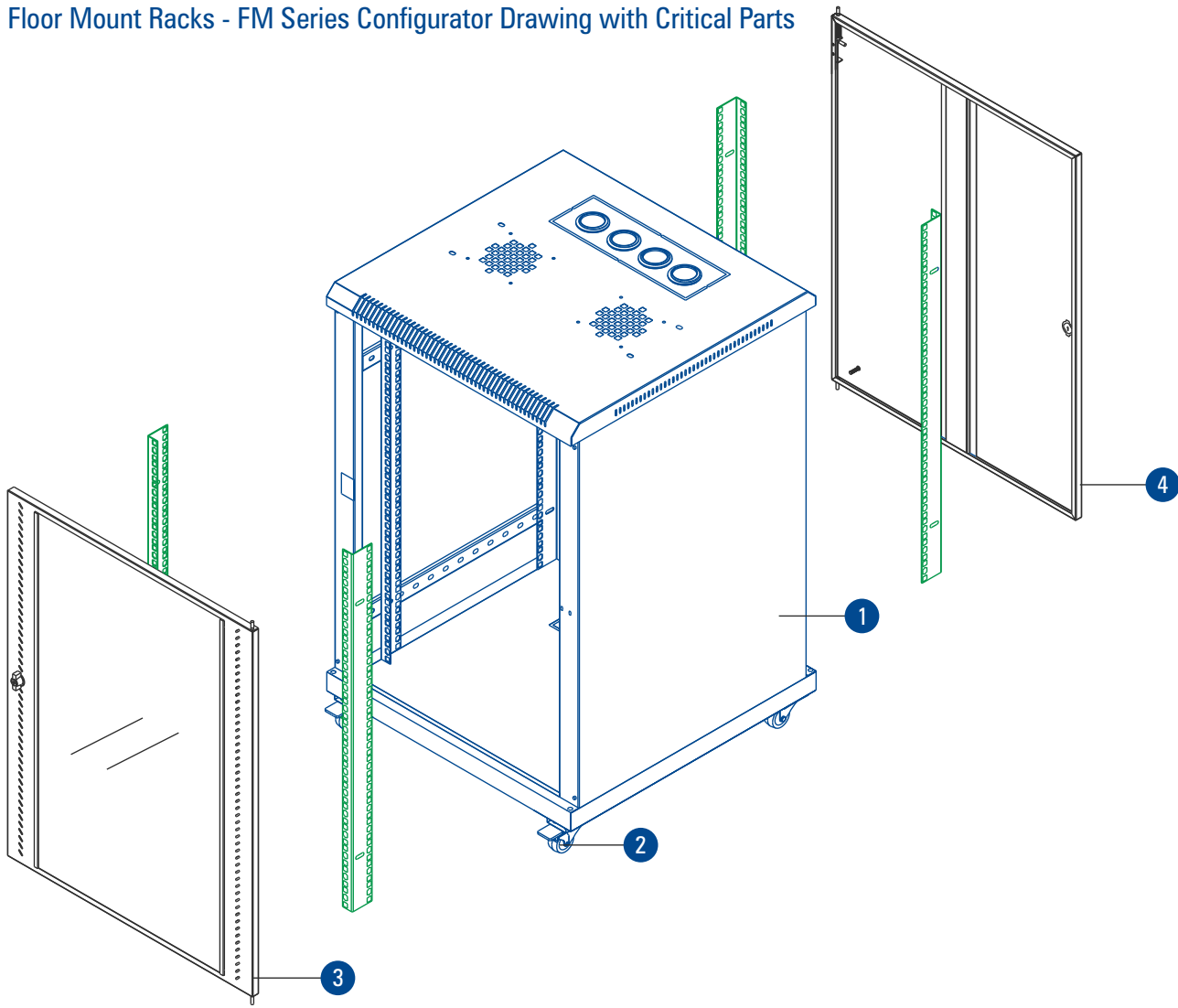
1. Rack Frame
2. Casters
3. Glass Door
4. Metal Door

Features

○ Conforms to DIN 41494 or Equivalent EIA /ISO / EN / CEA Standard

○ Adjustable mounting depth

○ 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space

○ Universal 25MM Pitch Holes For ETSI Standard Racks

○ State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry

○ 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)

○ Powder coated finish with seven tank pretreatment process meeting ASTM standard

○ Grounding & Bonding options

○ Fan module Mount provision on top cover

Accessories:

- Cable Organisers
- Power Distribution Units
- Shelves
- Fan Modules
- Rack ground Kit

Technical Data:

Basic Frame	Steel
Construction	Welded
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door
Rear Door	Lockable Steel Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake)
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	150Kg

Model Matrix & Dimensions

FM Series	H	h	W	w	D	d
6U 600x600	447	6U	600	19"	600	560
9U 600x600	580	9U	600	19"	600	560
12U 600x600	713	12U	600	19"	600	560
15U 600x600	846	15U	600	19"	600	560
17U 600x600	935	17U	600	19"	600	560
22U 600x600	1160	22U	600	19"	600	560
27U 600x600	1380	27U	600	19"	600	560
32U 600X600	1600	32U	600	19"	600	560

1U = 44.45 mm

Note :
1. It is recommended to distribute the Load along with U space in the Rack
2. Other models can be manufactured on request
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

General Electronics Racks

Overview

NRS 1 Series, General Electronics Racks for Servers, Networking, AV, Telecom & Lab application. Racks are manufactured out of steel sheet punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame with vented top cover with fan mounting provision, Associated Front Glass or Perforated Metal Door with Lock & Key and Back Vented / Perforated Metal Door with Lock & Key and partially vented side panels, free standing on floor with 4 No. casters wheels with 2 No with brakes & 2 No. without brakes, optional levelers.

Available in 6RU~42RU Variants with 650, 800 & 1000 Depth configurations and 600 Width configurations.

General Electronics Racks
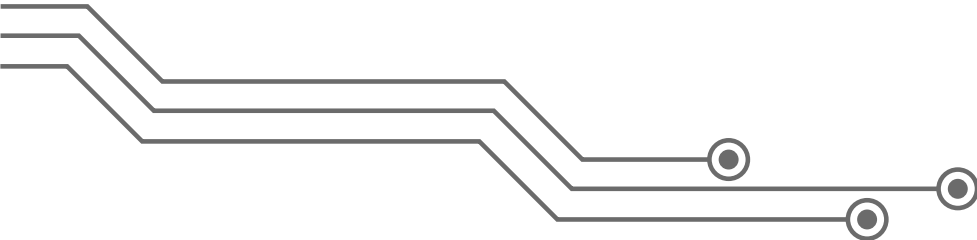
NRS1 600 Series Configurator Drawing with Critical Parts
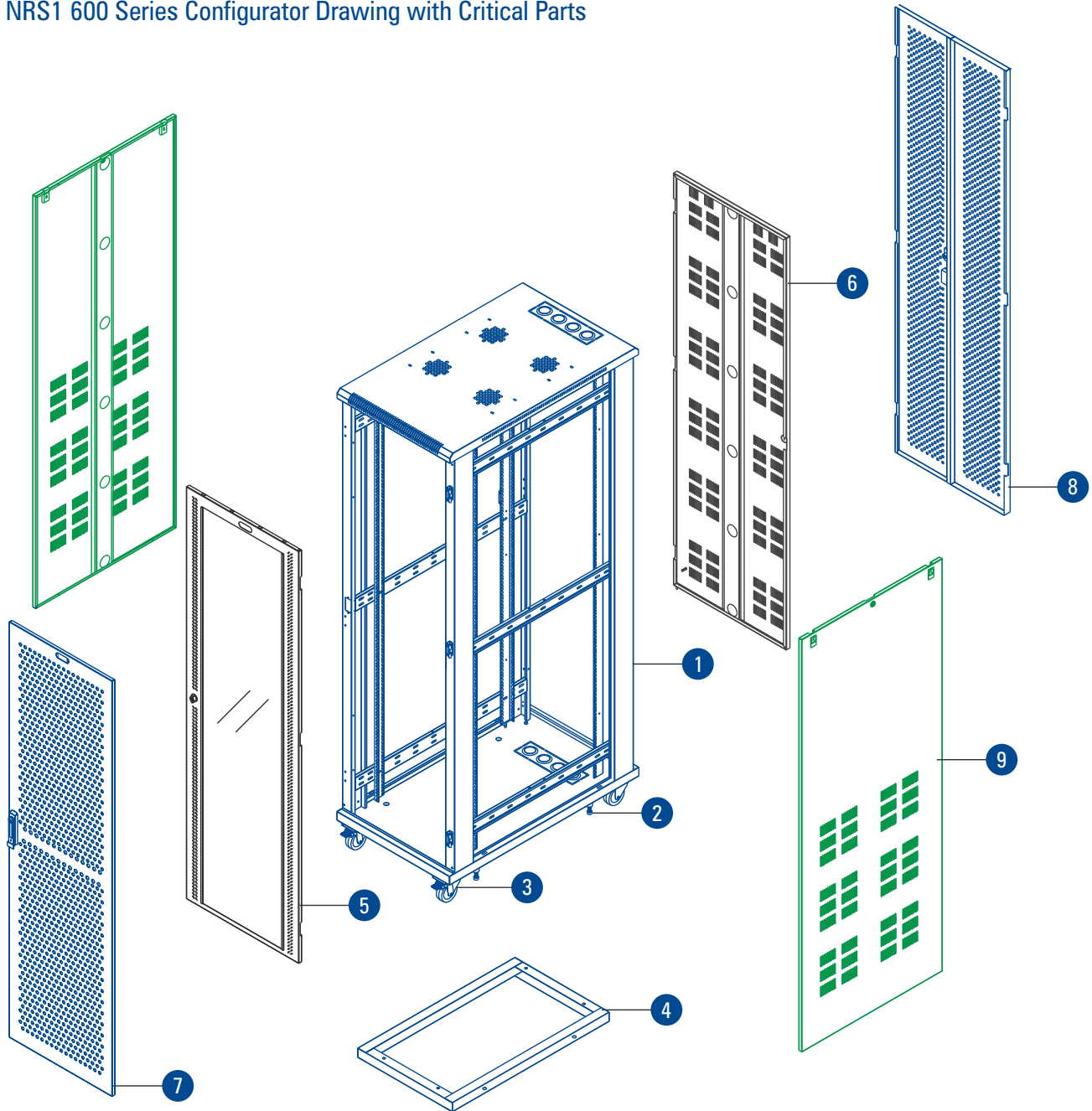
1. Rack Frame   6. Metal Door
2. Levellers   7. Perforated Door/ Flat
3. Castors   8. Perforated Door/ Dual
4. Plinth   9. Sidepanel/ Vented
5. Glass Door

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space.
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with Seven tank pre-treatment process meeting ASTM standard
- Grounding & Bonding Options
- Fan module Mount provision on top cover

Accessories:

- Cable Basket
- Angle Pair
- Ganging Kit
- Fixed Shelf
- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf
- Power Distribution Units
- Cable Oragnisers
- Fans and Fan Modules
- Rack Ground Kit
- Plinth
- Casters
- Levellers

Technical Data:	
Basic Frame	Steel folded
Construction	Welded or CKD
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Caster wheels (2 with Brake & 2 without Brake) OR Levelers OR Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	350Kg with casters, 750 Kg with Levelers / Plinth

General Electronics Racks

Model Matrix & Dimensions

NRS 1 Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
6U 600X650	371	6U	600	19"	650	550	TYPE-1	50/100
6U 600X800	371	6U	600	19"	800	700	TYPE-1	50/100
6U 600X1000	371	6U	600	19"	1000	900	TYPE-1	50/100
9U 600X650	504	9U	600	19"	650	550	TYPE-1	50/100
9U 600X800	504	9U	600	19"	800	700	TYPE-1	50/100
9U 600X1000	504	9U	600	19"	1000	900	TYPE-1	50/100
12U 600X650	637	12U	600	19"	650	550	TYPE-1	50/100
12U 600X800	637	12U	600	19"	800	700	TYPE-1	50/100
12U 600X1000	637	12U	600	19"	1000	900	TYPE-1	50/100
15U 600X650	770	15U	600	19"	650	550	TYPE-1	50/100
15U 600X800	770	15U	600	19"	800	700	TYPE-1	50/100
15U 600X1000	770	15U	600	19"	1000	900	TYPE-1	50/100
17U 600X650	859	17U	600	19"	650	550	TYPE-1	50/100
17U 600X800	859	17U	600	19"	800	700	TYPE-1	50/100
17U 600X1000	859	17U	600	19"	1000	900	TYPE-1	50/100
22U 600X650	1081	22U	600	19"	650	550	TYPE-2	50/100
22U 600X800	1081	22U	600	19"	800	700	TYPE-2	50/100
22U 600X1000	1081	22U	600	19"	1000	900	TYPE-2	50/100
24U 600X650	1170	24U	600	19"	650	550	TYPE-2	50/100
24U 600X800	1170	24U	600	19"	800	700	TYPE-2	50/100
24U 600X1000	1170	24U	600	19"	1000	900	TYPE-2	50/100
27U 600X650	1303	27U	600	19"	650	550	TYPE-2	50/100
27U 600X800	1303	27U	600	19"	800	700	TYPE-2	50/100
27U 600X1000	1303	27U	600	19"	1000	900	TYPE-2	50/100
30U 600X650	1436	30U	600	19"	650	550	TYPE-2	50/100
30U 600X800	1436	30U	600	19"	800	700	TYPE-2	50/100
30U 600X1000	1436	30U	600	19"	1000	900	TYPE-2	50/100
32U 600X650	1525	32U	600	19"	650	550	TYPE-3	50/100
32U 600X800	1525	32U	600	19"	800	700	TYPE-3	50/100
32U 600X1000	1525	32U	600	19"	1000	900	TYPE-3	50/100
34U 600X650	1614	34U	600	19"	650	550	TYPE-3	50/100
34U 600X800	1614	34U	600	19"	800	700	TYPE-3	50/100
34U 600X1000	1614	34U	600	19"	1000	900	TYPE-3	50/100
36U 600X650	1703	36U	600	19"	650	550	TYPE-3	50/100
36U 600X800	1703	36U	600	19"	800	700	TYPE-3	50/100
36U 600X1000	1703	36U	600	19"	1000	900	TYPE-3	50/100
38U 600X650	1792	38U	600	19"	650	550	TYPE-3	50/100
38U 600X800	1792	38U	600	19"	800	700	TYPE-3	50/100
38U 600X1000	1792	38U	600	19"	1000	900	TYPE-3	50/100
40U 600X650	1881	40U	600	19"	650	550	TYPE-3	50/100
40U 600X800	1881	40U	600	19"	800	700	TYPE-3	50/100
40U 600X1000	1881	40U	600	19"	1000	900	TYPE-3	50/100
42U 600X650	1970	42U	600	19"	650	550	TYPE-3	50/100
42U 600X800	1970	42U	600	19"	800	700	TYPE-3	50/100
42U 600X1000	1970	42U	600	19"	1000	900	TYPE-3	50/100

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Overview

NRS 1 Series, General Electronics Racks for Servers, Networking, AV, Telecom & Lab application. Racks are manufactured out of steel sheet punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.
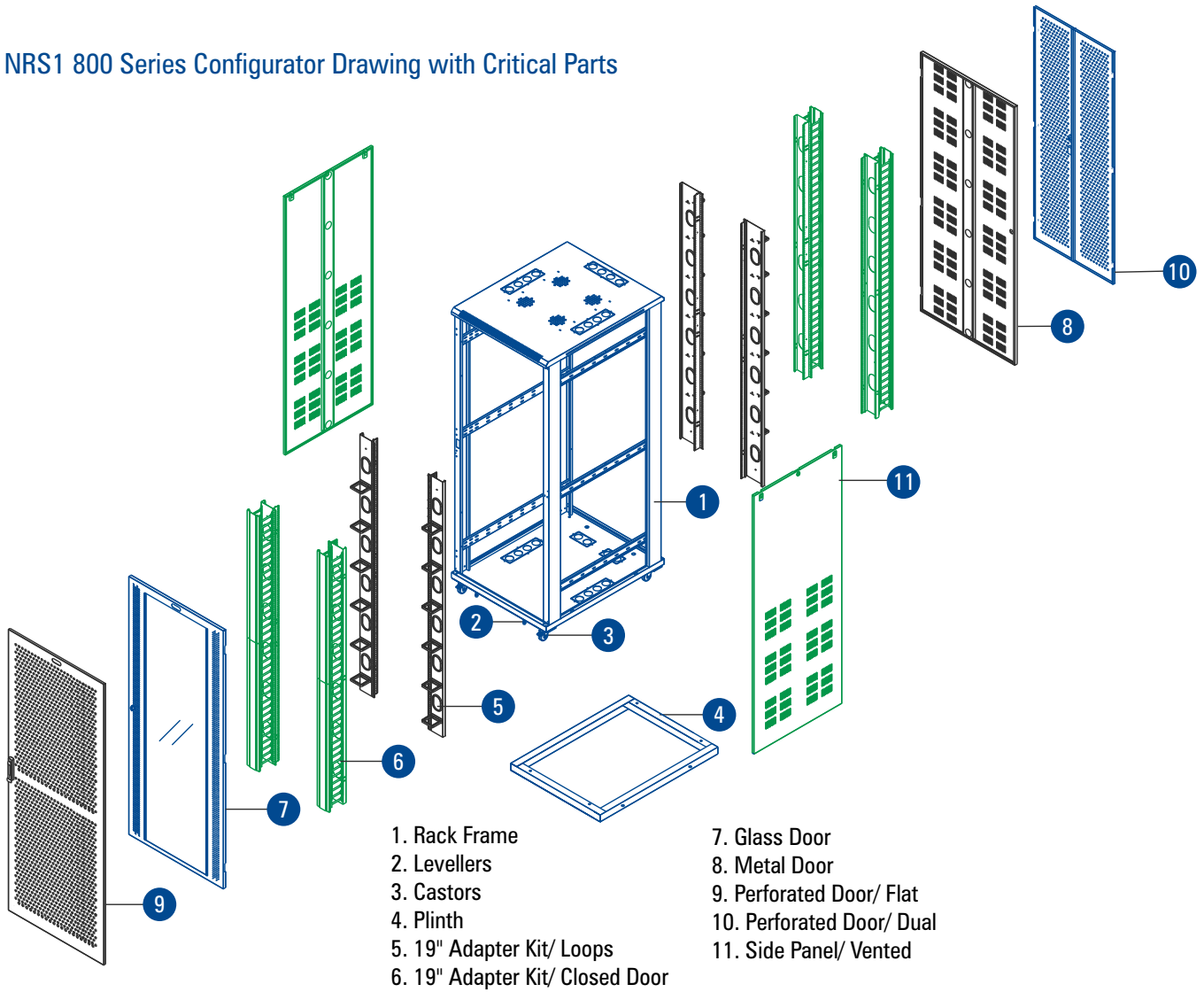
Standard for Racks configuration will be welded frame with vented top cover with fan mounting provision, Associated Front Glass or Perforated Metal Door with Lock & Key and Back Vented / Perforated Metal Door with Lock & Key and partially vented side panels, free standing on floor with 4 No. casters wheels with 2 No with brakes & 2 No. without brakes, optional levelers.

Available in 22RU~42RU Variants with 800 & 1000 Depth configurations and 800 Width configurations.

General Electronics Racks

NRS1 800 Series Configurator Drawing with Critical Parts

1. Rack Frame
2. Levellers
3. Castors
4. Plinth
5. 19" Adapter Kit/ Loops
6. 19" Adapter Kit/ Closed Door
7. Glass Door
8. Metal Door
9. Perforated Door/ Flat
10. Perforated Door/ Dual
11. Side Panel/ Vented

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard
- Adjustable mounting depth
- 4 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding options
- Fan module Mount Provision on top cover

Accessories:

- Cable Basket
- Adapter Kit
- Ganging Kit
- Angle Pair
- Fixed Shelf
- Cantilever Shelf
- Sliding Shelf
- Key Board Shelf
- Power Distribution Units
- Cable Organisers.
- Fans and Fan Modules
- Rack Ground Kit
- Plinth
- Casters
- Levelers

Model Matrix & Dimensions

NRS 1 Series	H	h	W	w	D	d	Caster Type	Plinth Height(mm)
22U 800X800	1081	22U	800	19"/27"	800	700	TYPE-2	50/100
22U 800X1000	1081	22U	800	19"/27"	1000	900	TYPE-2	50/100
24U 800X800	1170	24U	800	19"/27"	800	700	TYPE-2	50/100
24U 800X1000	1170	24U	800	19"/27"	1000	900	TYPE-2	50/100
27U 800X800	1303	27U	800	19"/27"	800	700	TYPE-2	50/100
27U 800X1000	1303	27U	800	19"/27"	1000	900	TYPE-2	50/100
30U 800X800	1436	30U	800	19"/27"	800	700	TYPE-2	50/100
30U 800X1000	1436	30U	800	19"/27"	1000	900	TYPE-2	50/100
32U 800X800	1525	32U	800	19"/27"	800	700	TYPE-3	50/100
32U 800X1000	1525	32U	800	19"/27"	1000	900	TYPE-3	50/100
34U 800X800	1614	34U	800	19"/27"	800	700	TYPE-3	50/100
34U 800X1000	1614	34U	800	19"/27"	1000	900	TYPE-3	50/100
36U 800X800	1703	36U	800	19"/27"	800	700	TYPE-3	50/100
36U 800X1000	1703	36U	800	19"/27"	1000	900	TYPE-3	50/100
38U 800X800	1792	38U	800	19"/27"	800	700	TYPE-3	50/100
38U 800X1000	1792	38U	800	19"/27"	1000	900	TYPE-3	50/100
40U 800X800	1881	40U	800	19"/27"	800	700	TYPE-3	50/100
40U 800X1000	1881	40U	800	19"/27"	1000	900	TYPE-3	50/100
42U 800X800	1970	42U	800	19"/27"	800	700	TYPE-3	50/100
42U 800X1000	1970	42U	800	19"/27"	1000	900	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. Other models can be manufactured on request
3. It is recommended to distribute the Load along with U space in the Rack
4. Dimension are in MM

Abbreviations

H - Overall height h - Usable height W - Overall width w - Usable width D - Overall depth d - Usable depth

| Description	Height (mm)	Wheel BKT (mm)	Total
TYPE-1	65	12	77
TYPE-2	85	12	97
TYPE-3	105	12	117

Overview

NRS1 Series (Table Mount) General Electronics Racks for Severs, Networking, AV, Telecom & Lab application. Racks are manufactured out of steel sheet punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame with vented top cover with fan mounting provision, associated Front Glass or perforated Metal Door with Lock & Key and Back Vented / Perforated Metal Door with Lock & Key and partially vented side panels, mounted on table with 4 No bush/leveller.

Available in 6RU~15RU Variants with 650, 800,1000 Depth configurations and 600 Width configurations

Table Mount Rack - NRS1 Series Configurator Drawing with Critical Parts

1. Frame
2. Glass Door
3. Metal Door
4. Side Panel
5. Top Cover
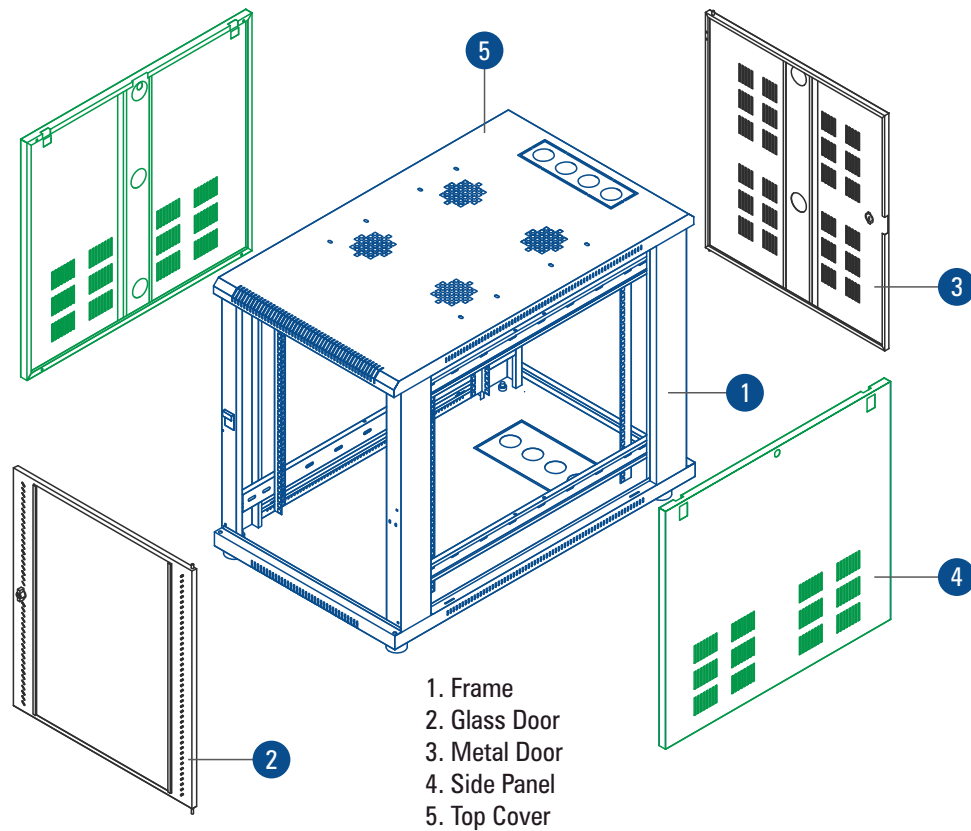
Model Matrix & Dimensions

| NRS 1 Series	H	h	W	w	D	d
6U 600X650	357	6U	600	19"	650	550
6U 600X800	357	6U	600	19"	800	700
6U 600X1000	357	6U	600	19"	1000	900
9U 600X650	490	9U	600	19"	650	550
9U 600X800	490	9U	600	19"	800	700
9U 600X1000	490	9U	600	19"	1000	900
12U 600X650	623	12U	600	19"	650	550
12U 600X800	623	12U	600	19"	800	700
12U 600X1000	623	12U	600	19"	1000	900
15U 600X650	757	15U	600	19"	650	550
15U 600X800	757	15U	600	19"	800	700
15U 600X1000	757	15U	600	19"	1000	900

1U = 44.45 mm

Note:
1. It is recommended to distribute the Load along with U space in the Rack
2. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth
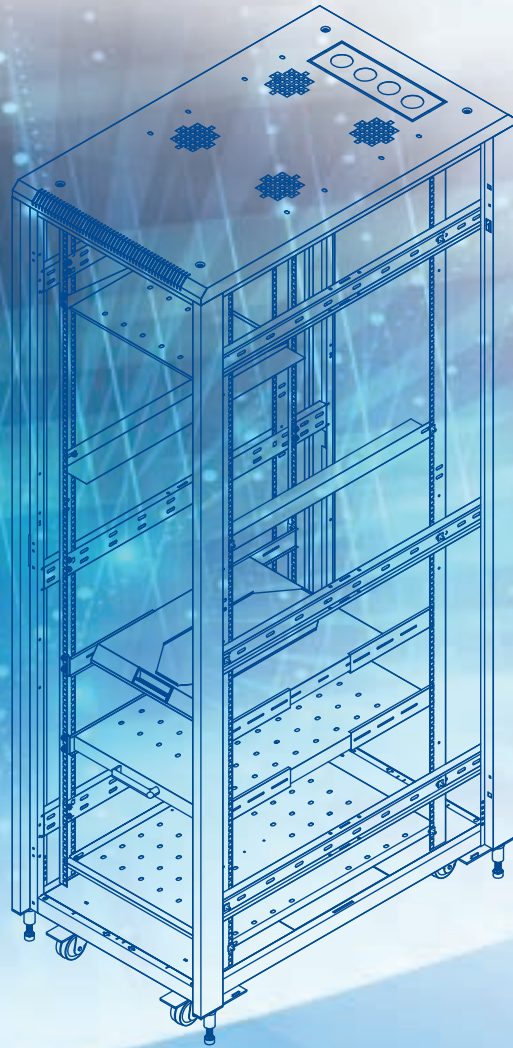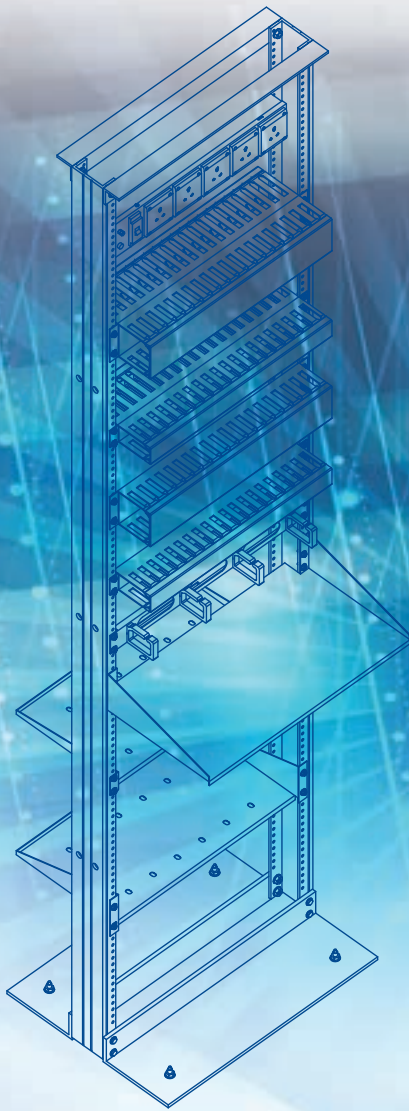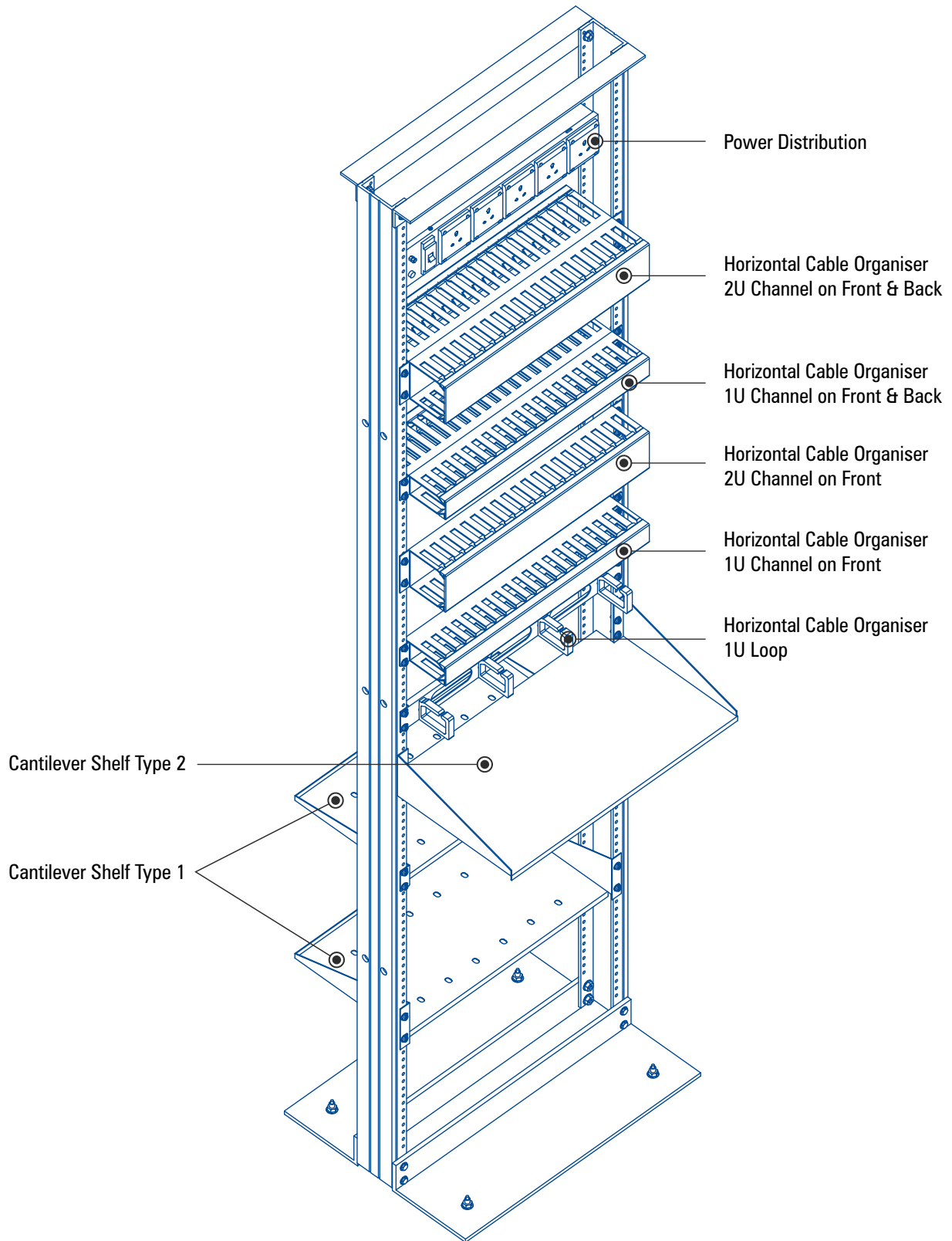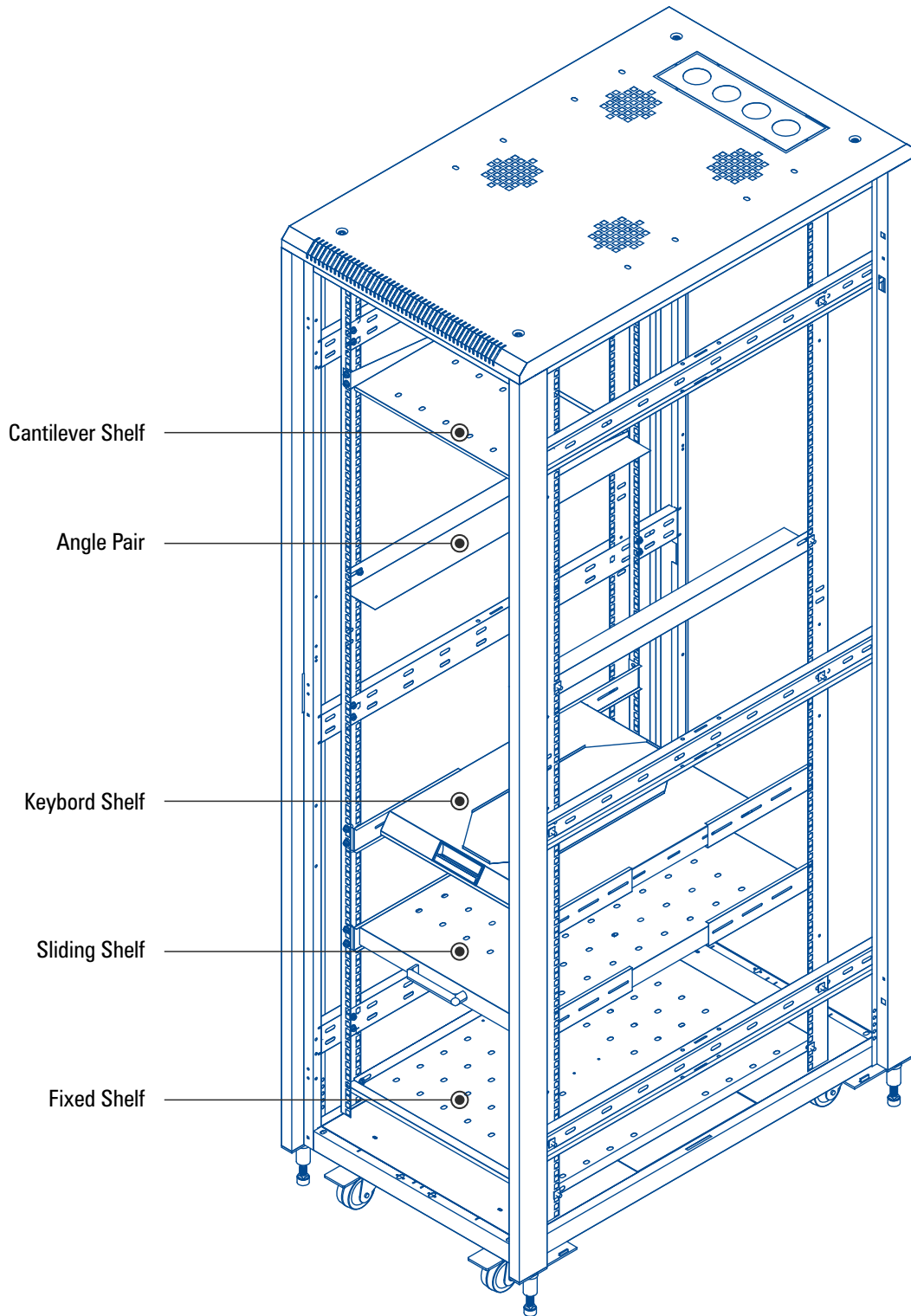
RACK ACCESSORIES

A. Locking System
B. Casters & Levellers, Shelf's
C. Sliding Shelf's & Extended Leg / Castors
D. Cantilever Shelf's
E. Plinth
F. Ganging Kit & Angle Pair, Rack Stabilising Kit
G. Vertical Cable Organiser Loop & Universal Cable Basket
H. Adopter Kit with Loop
I. Cable Basket & Modem Racks
J. Fiber Termination Unit (LIU)
K. Tower Mount Fans Modules
L. Gland Plate Module

11

Power Distribution

Horizontal Cable Organiser
2U Channel on Front & Back

Horizontal Cable Organiser
1U Channel on Front & Back

Horizontal Cable Organiser
2U Channel on Front

Horizontal Cable Organiser
1U Channel on Front

Horizontal Cable Organiser
1U Loop

Cantilever Shelf Type 2

Cantilever Shelf Type 1

Cantilever Shelf

Angle Pair

Keybord Shelf

Sliding Shelf

Fixed Shelf

NETRACK™
ENCLOSURES
STORE | SECURE | STREAMLINE | SYSTEMISE

Overview

NetRack offers complete range of Locking System For Rack Security customer can select the Locking System based on the Management & site requirement. Below are the standard solution available off the shelf to meet individual requirement of the Customer and all the below Locks can be with single Point, Three Point & Four point Locking Systems.

- Swing Handle / Common Key & Unique Key
- Swing Handle / Wing Knob Lock
- Swing Handle / Number Lock / Common Key & Unique Key,
- Data Center Lock Set

Swing Handle Die Cast Locking System

Model Matrix	
Description	Part Number
Swing Handle / Mechnical Lock / Single Point / Common Key/Die Cast Metal	RSL-001-1
Swing Handle / Mechnical Lock / Three Point / Common Key/Die Cast Metal	RSL-001-3
Swing Handle / Mechnical Lock / Four Point / Common Key/Die Cast Metal	RSL-001-4
Swing Handle / Mechnical Lock / Single Point / Unique Key/Die Cast Metal	RSL-002-1
Swing Handle / Mechnical Lock / Three Point / Unique Key/Die Cast Metal	RSL-002-3
Swing Handle / Mechnical Lock / Four Point / Unique Key/Die Cast Metal	RSL-002-4

Swing Handle Polymade Locking System

Model Matrix	
Description	Part Number
Swing handle / Mechnical Lock / Single Point / Common Key/Polymade	RSL-005-1
Swing handle / Mechnical Lock / Three Point / Common Key/Polymade	RSL-005-3

Swing Handle Number Locking System

Model Matrix

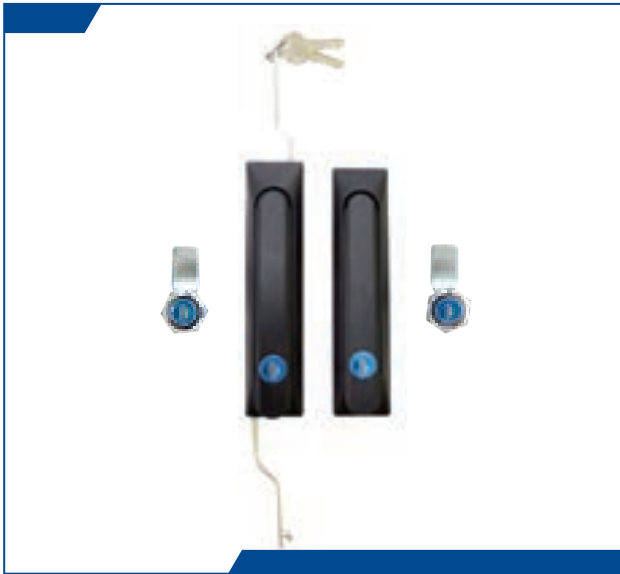| Description	Part Number
Swing Handle / Number Lock/ Single Point / Common Key/ Polymade	RSL-003-1
Swing Handle / Number Lock/ Three Point / Common Key/ Polymade	RSL-003-3
Swing Handle / Number Lock/ Single Point / Unique Key/ Polymade	RSL-004-1
Swing Handle / Number Lock/ Three Point / Unique Key/ Polymade	RSL-004-3

Wing Knob Locking System

Model Matrix

Description	Part Number
Wing Knob / Mechnical Lock / Single Point/Type 1	RSL-006-1
Wing Knob / Mechnical Lock / Single Point/Type 2	RSL-006-2

DC Rack Lock Set

DC Rack Lock Set

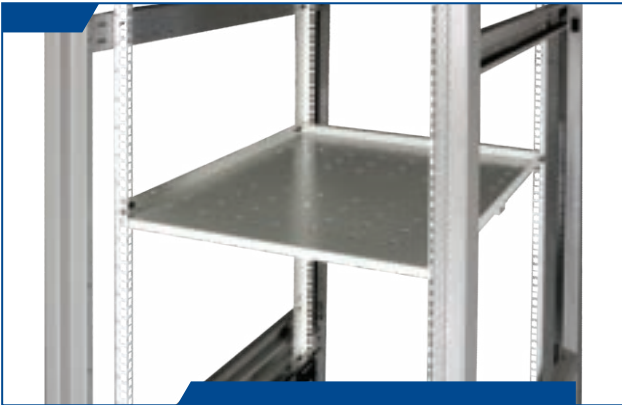| Model Matrix	
Description	**Part Number**
DC Rack Lock Set/Single Unique key/2 No Door, Single Point & Single Point	RSL-006-11-1
DC Rack Lock Set/Single Unique key/2 No Door, Single Point & Single Point/2 No Side panel Lock	RSL-006-11-2
DC Rack Lock Set/Single Unique key/2 No Door, Single Point & single Point/4 No Side panel Lock	RSL-006-11-3
DC Rack Lock Set/Single Unique key/2 No Door, Single Point & Three Point	RSL-006-13-1
DC Rack Lock Set/Single Unique key/2 No Door, Single Point & Three Point/2 No Side panel Lock	RSL-006-13-2
DC Rack Lock Set/Single Unique key/2 No Door, Single Point & Three Point/4 No Side panel Lock	RSL-006-13-3
DC Rack Lock Set/Single Unique key/2 No Door, Three point Point & Three Point	RSL-007-33-1
DC Rack Lock Set/Single Unique key/2 No Door, Three Point & Three Point/2 No Side panel Lock	RSL-007-33-2
DC Rack Lock Set/Single Unique key/2 No Door, Three Point & Three Point/4 No Side panel Lock	RSL-007-33-3
DC Rack Lock Set/Single Unique key/2 No Door, Four point & Three Point	RSL-007-43-1
DC Rack Lock Set/Single Unique key/2 No Door, Four Point & Three Point/2 No Side panel Lock	RSL-007-43-2
DC Rack Lock Set/Single Unique key/2 No Door, Four Point & Three Point/4 No Side panel Lock	RSL-007-43-3
DC Rack Lock Set/Single Unique key/2 No Door, Four point & Four Point	RSL-007-44-1
DC Rack Lock Set/Single Unique key/2 No Door, Four Point & Four Point/2 No Side panel Lock	RSL-007-44-2
DC Rack Lock Set/Single Unique key/2 No Door, Four Point & Four Point/4 No Side panel Lock	RSL-007-44-3

Casters & Levellers

Model Matrix & Dimensions

Description	Part No.	Construction	Static Load KG
Casters/Type 1	CT- TP1	Formed Steel & Powder Coated Bracket and PP with Ball Bearing	100
Casters/Type 2	CT- TP2		350
Casters/Type 3	CT- TP3		750
Levellers	CRA0002		1500

Fixed Shelf

Key Board Shelf

Model Matrix & Dimensions

Description	Part No.	Construction	Static Load KG
Shelf/600	S-600	Formed Steel and Powder Coated	25
Shelf/650	S-650		50
Shelf/800	S-800		50
Shelf/1000	S-1000		50
Shelf/800x800	S-800800		50
Shelf/800x1000	S-8001000		50

Model Matrix & Dimensions

Description	Part No.	Construction	Static Load KG
Shelf/Key Board/ 19"RTy/600	S-KB-19 R-600	Formed Steel and Powder Coated	10
Shelf/Key Board/ 19"RTy/650	S-KB-19 R-650		
Shelf/Key Board/ 19"RTy/800	S-KB-19 R-800		
Shelf/Key Board/ 19"RTy/1000	S-KB-19 R-1000		

Sliding Shelf

Model Matrix & Dimensions			
Description	Part No.	Construction	Static Load KG
Sliding Shelf/ 10KG/650	SS-10-650	Formed Steel & Powder Coated	10
Sliding Shelf/ 30KG/650	SS-30-650		30
Sliding Shelf/ 10KG/800	SS-10-800		10
Sliding Shelf/ 30KG/800	SS-30-800		30
Sliding Shelf/ 10KG/1000	SS-10-1000		10
Sliding Shelf/ 30KG/1000	SS-30-1000		30
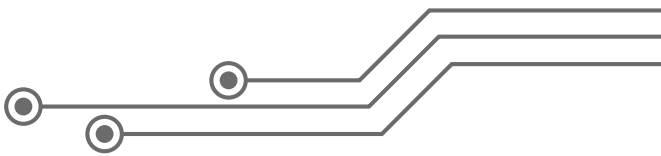
Extended Leg / Castors/ 2 Post Rack

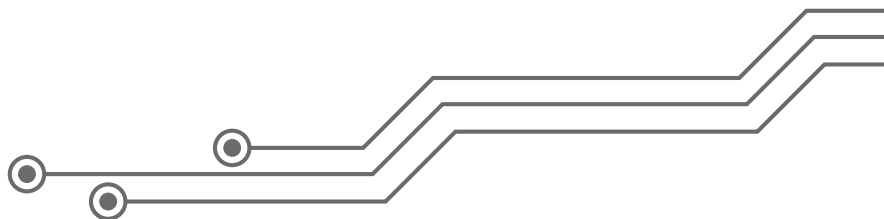| Model Matrix & Dimensions			
Description	Part No.	Construction	Static Load KG
Extended Leg/ 650	EL- 650-CT-TP3	Formed Steel & Powder Coated	750
Extended Leg/ 800	EL- 800-CT-TP3		
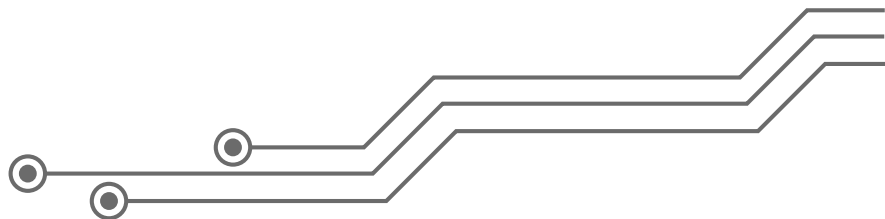
Cantilever Shelf Type -1

Model Matrix & Dimensions

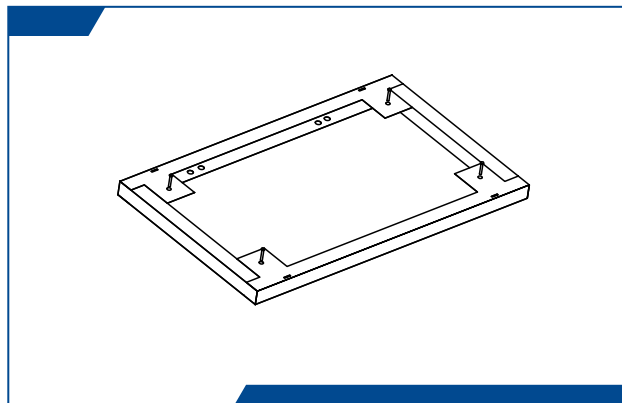| Description	Part No.	Construction	Static Load KG
Cantilever Shelf /250D/Type 1	CS-TP1-250	Formed Steel and Powder Coated	20
Cantilever Shelf /400D/Type 1	CS-TP1-400		

Cantilever Shelf Type -2

Model Matrix & Dimensions

Description	Part No.	Construction	Static Load KG
Cantilever Shelf/ 250D/Type2/1U	CS-TP2-1-250	Formed Steel & Powder Coated	5
Cantilever Shelf/ 400D/Type2/2U	CS-TP2-2-400		

Plinth
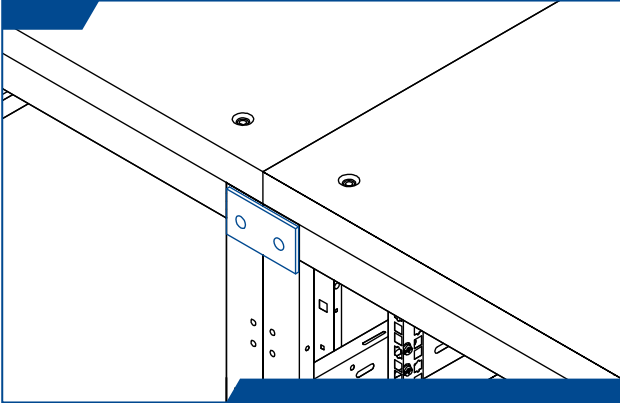

Model Matrix & Dimensions

Description	Part No.	Construction	Static Load KG
Plinth/600X650/ 50MM Height	P-600-650-50	Formed Steel & Powder Coated	1500
Plinth/600X800/ 50MM Height	P-600-800-50		
Plinth/600X1000/ 50MM Height	P-600-1000-50		
Plinth/600X1200/ 50MM Height	P-600-1200-50		
Plinth/800X800/ 50MM Height	P-800-800-50		
Plinth/800x1000/ 50MM Height	P-800-1000-50		
Plinth/800x1200/ 50MM Height	P-800-1200-50		
Plinth/600X650/ 100MM Height	P-600-650-100		
Plinth/600X800/ 100MM Height	P-600-800-100		
Plinth/600X1000/ 100MM Height	P-600-1000-100		
Plinth/600X1200/ 100MM Height	P-600-1200-100		
Plinth/800X800/ 100MM Height	P-800-800-100		
Plinth/800x1000/ 100MM Height	P-800-1000-100		
Plinth/800x1200/ 100MM Height	P-800-1200-100		

Ganging Kit

Model Matrix & Dimensions		
Description	Part No.	Construction
Ganging Kit	CRA0001	Formed Steel & Powder Coated

Angle Pair

Model Matrix & Dimensions			
Description	Part No.	Construction	Static Load KG
Angle Pair/ 650	AP-650	Formed Steel & Powder Coated	50
Angle Pair/ 800	AP-800		
Angle Pair/ 1000	AP-1000		

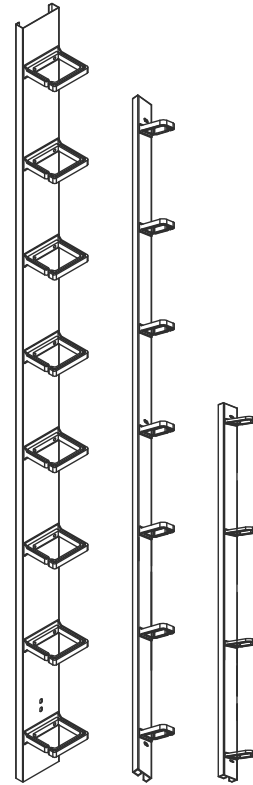## Rack Stabilising Kit
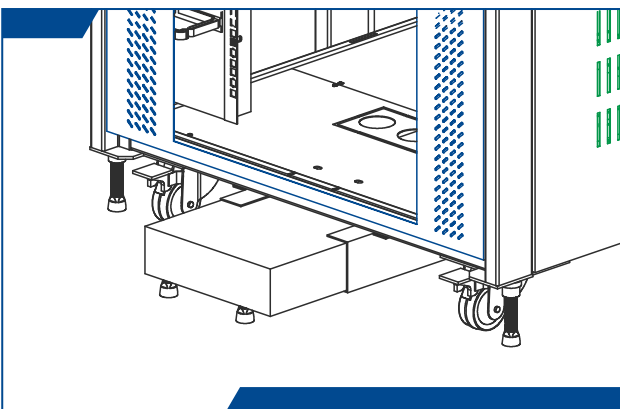
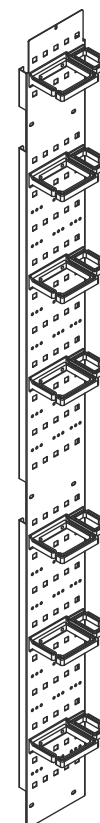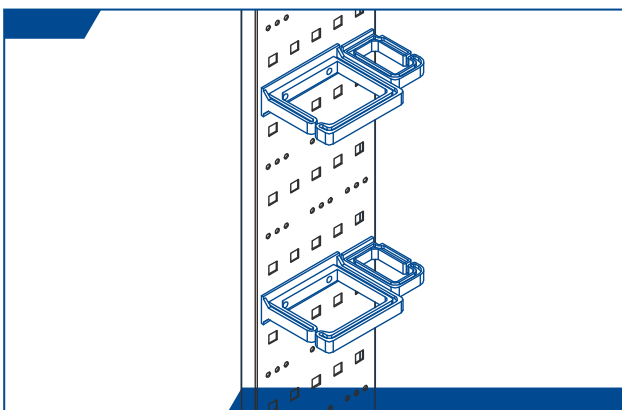| Model Matrix & Dimensions		
Description	Part No.	Construction
Rack Stabilizing Kit/ 600/Sliding	RSK-600-S	Formed Steel & Powder Coated
Rack Stabilizing Kit/ 800/Sliding	RSK-800-S	

Vertical Cable Organisor/Loop
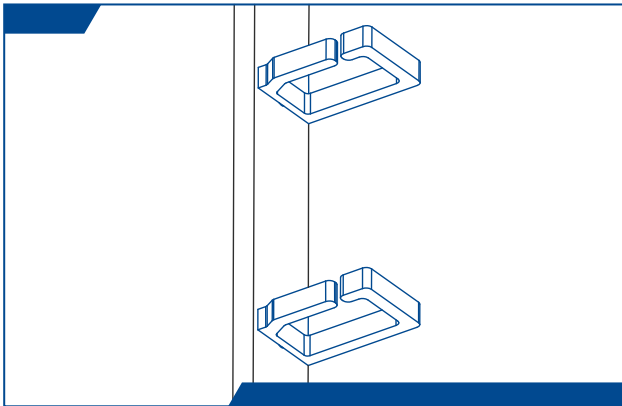
Installed in 600 mm Wide Racks to Manage Low and Medium Volume of Cables.

Model Matrix & Dimensions	
Description	Part No.
Vertical Cable Organisor/ 1U XXU/Loop	VCO-XX-L
Vertical Cable Organisor/ 2U XXU/Loop	VCO-XX-L

Available in 40 & 90 mm Wide Loop and 12 RU to 38 RU Variants.

Universal Cable Basket

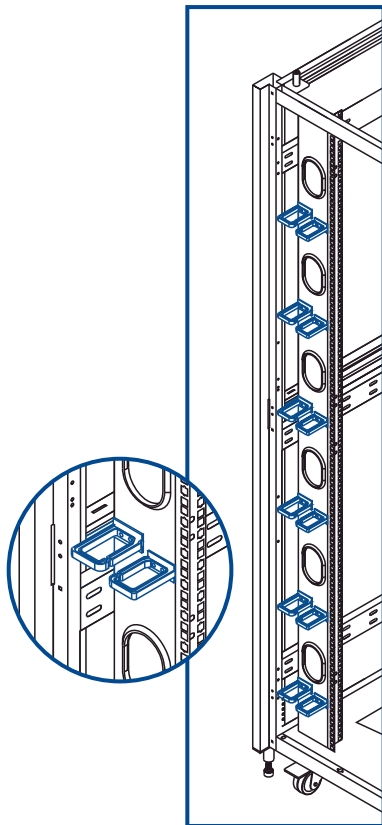
Model Matrix & Dimensions	
Description	Part No.
Universal Cable Basket/22~52U/ 150/Loops	UCB-150-22~52-L
Universal Cable Basket/22 ~52U/ 100/Loops	UCB-100-22~52-L

Note: In Part No XX will be Replaced with RU Size

![NETRACK ENCLOSURES logo — STORE | SECURE | STREAMLINE | SYSTEMISE]

Overview

Adopter Kit used in 800 wide Racks, which converts to 19" Standard with provision of Cable Management. The Adopter made of Formed Steel and Powder coated will have a provision to fix either Loop or Channel and Modular. NetRack offers both Loop type and Channel type Cable management, this comes with 3 variants :

1. Front & Back Loops
2. Front Closed with Door & Back Loops
3. Front & Back Closed with Doors

Adopter Kit with
40 mm X 2 Loop
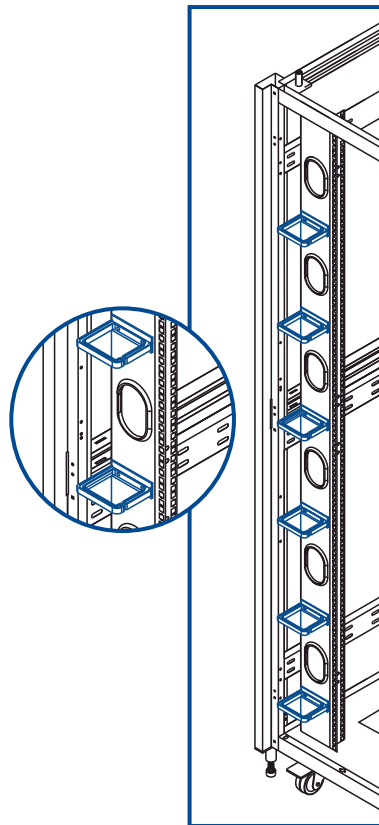
Adopter Kit with
90 mm Loop
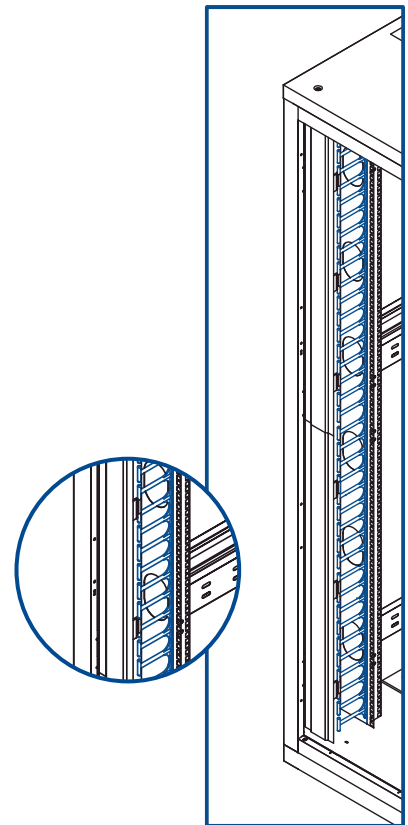
Adopter Kit/
Closed Door

Model Matrix & Dimensions

Description	Part No.	Construction
19" Adoptor Kit/XXU/Loops	AK-XX-L	
19" Adoptor Kit/XXU/Loops/ Type1	AK-XX-L-001	
19" Adoptor Kit/XXU/Closed/ Door/100-2	AK-XX-CD-100-2	
19" Adoptor Kit/XXU/Closed/ Door/100x100-4	AK-XX-CD-100-4	Formed Steel & Powder Coated
19" Adoptor Kit/XXU/Closed/ Door/150-2	AK-XX-CD-150-2	
19" Adoptor Kit/XXU/Closed/ Door/150x150-4	AK-XX-CD-150-4	

Note: In Part No XX will be Replaced with RU space

Cable Basket
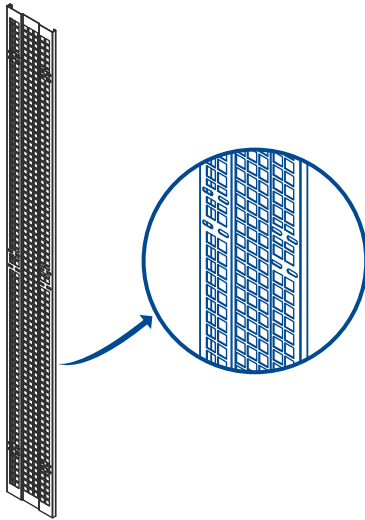
Model Matrix & Dimensions		
Description	**Part No.**	**Construction**
Cable Basket/ 12U~52U/100	CB-100-12U~52U	Formed Steel & Powder Coated
Cable Basket/ 12U~52U/200	CB-200-12U~52U	
Cable Basket/ 12U~52U/300	CB-300-12U~52U	

Modem Racks

Overview

Modem Racks are used to stack Modem vertically inside the Rack for better organising and space saving. NetRack offers 2types of Designs

- Type 1 Aluminum Frame with options for closing top, Bottom & Back with provision for fixing vertical Partition and adjusting the width as per Customer requirement. Available in 6RU

- Type 2 MS Formed shelf with provision for fixing vertical partition and adjusting the Width as per Customer requirement. Available in 4RU

Modem Rack Type 1

Model Matrix	
Description	**Part Number**
Modem Rack /6U/250/TYPE 1	MR-6-250-T1
Partsion Plate/6U	PP-6-250-T1
Modem Rack /6U/400/TYPE 1	MR-6-400-T1
Partsion Plate/6U	PP-6-400-T1

### Modem Rack Type 2

Model Matrix	
Description	**Part Number**
Modem Rack /4U/250/TYPE 2	MR-4-250-T2
Partsion Plate/4U	PP-4-250-T2
Modem Rack /4U/400/TYPE 2	MR-4-400-T2
Partsion Plate/4U	PP-4-400-T2

Overview

LIU manufactured out of steel sheet punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard model will be I U / 19" box with options of front coupler plates.
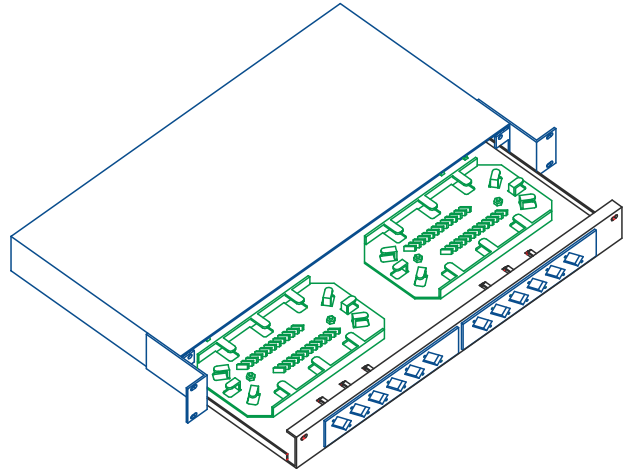
Technical Data:

Basic Chasis	Steel
Construction	Sliding Type
Mounting	19"/21" Rack Mount
Standard Finish	Powder Coated
Slicing & Cable Management	PVC
Standard Colour	Grey & Off White or Black

Note:
Other Colour powder coating on request.

Model Matrix & Dimensions

Description	Part No.
LIU/6Port/1U	LIU-6P-1
LIU/12Port/1U	LIU-12P-1
LIU/24Port/1U	LIU-24P-1
Front Panel 3+3/Duplex	FP-33-D-SC
Front Panel 6+6/Duplex	FP-66-D-SC
Front Panel 12+12/Duplex	FP-1212-D-SC
Front Panel 3+3/Simplex	FP-33-S-SC
Front Panel 6+6/Simplex	FP-66-S-SC
Front Panel 12+12/Simplex	FP-1212-S-SC

Overview

NetRack offers a range of Ball / Bush Bearing fans and fan modules to suite customer requirement and site conditions.

These Fans can be fixed for exhaust or suction based on requirement.
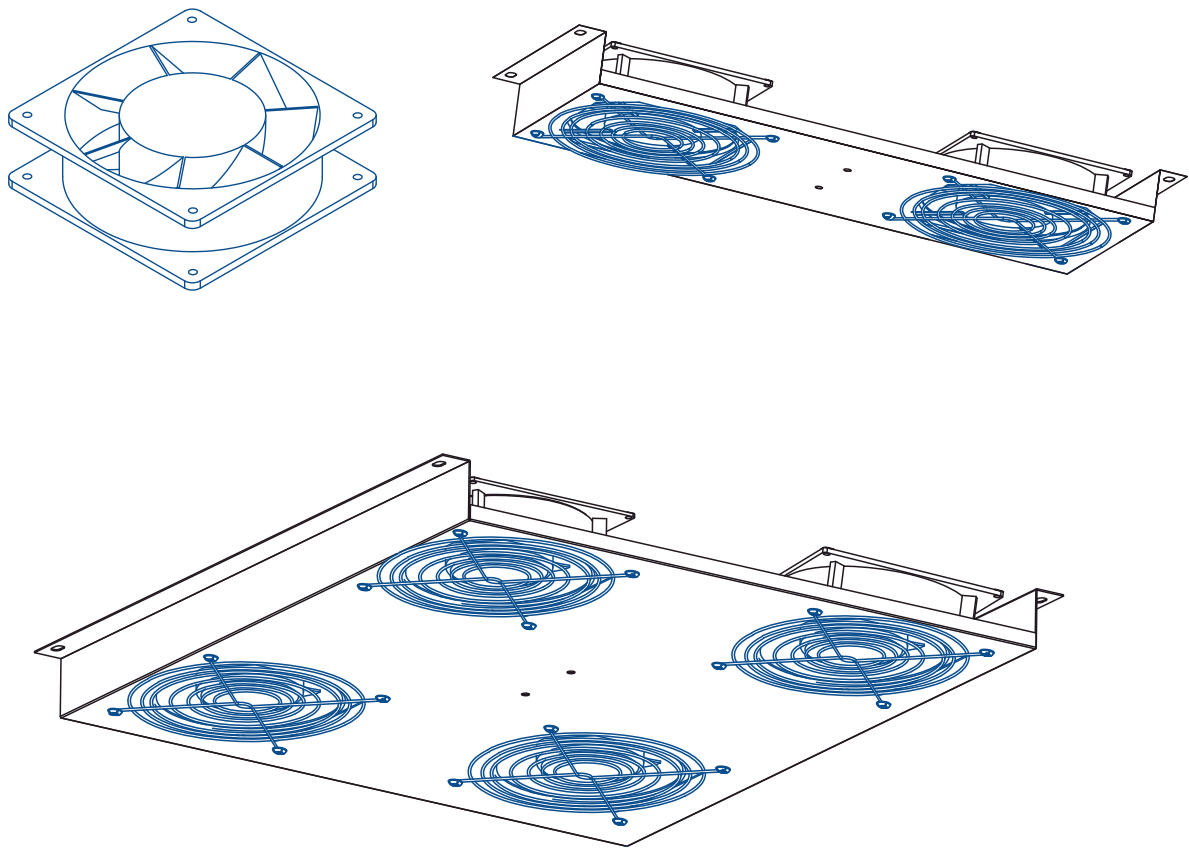
Model Matrix / Technical Data				
Description	Part No.	Mounting	RU Space	CFM/No of Fans
Fan/90CFM	F-90CFM	Top panel	0	90/1
Fan Module/2Fan/Tower Mount/180CFM	FM-2F-TM-180CFM	Top panel	0	180/2
Fan Module/4Fan/Tower Mount/360CFM	FM-4F-TM-360CFM	Top panel	0	360/4
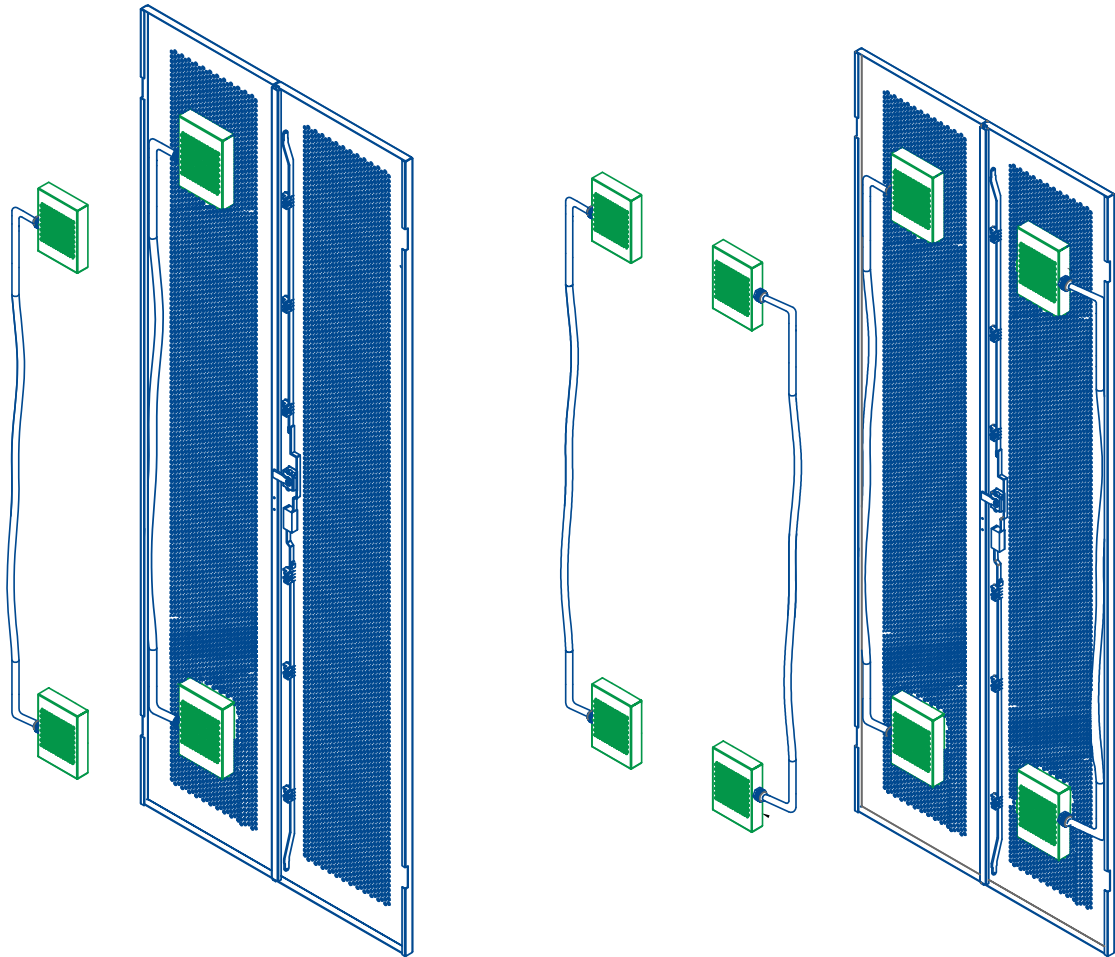
Model Matrix / Technical Data

Description	Part No.	Mounting	RU Space	CFM/No of Fans
Fan/90CFM	F-90CFM	Back Door/Side Panel	0	90/1
Fan Module/2Fan/Door Mount/180CFM	FM-2F-DM-180CFM	Back Door/Side Panel	0	180/2
Fan Module/4Fan/Door Mount/360CFM	FM-4F-DM-360CFM	Back Door/Side Panel	0	360/4
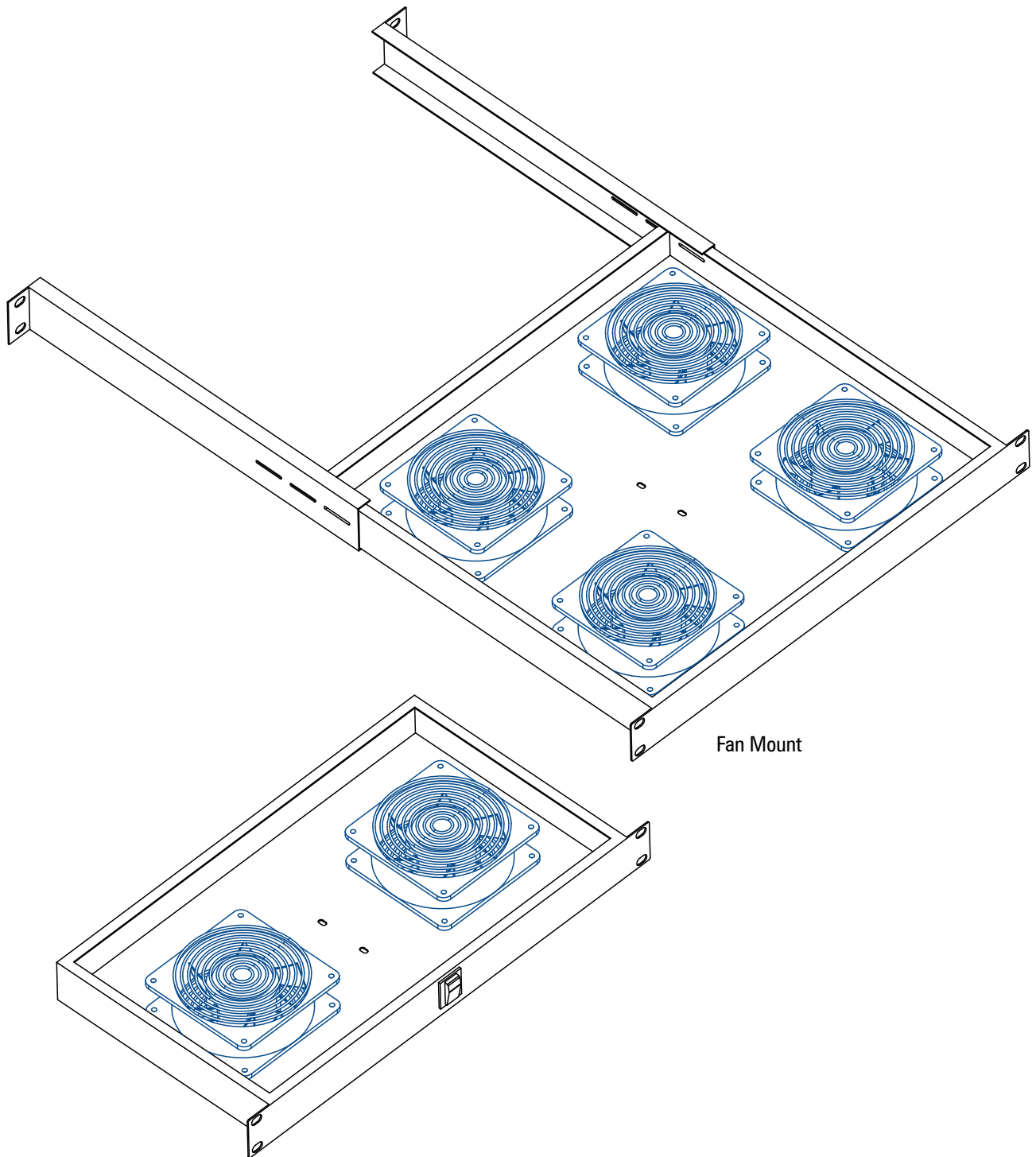
Fan Mount

Model Matrix / Technical Data				
Description	Part No.	Mounting	RU Space	CFM/No of Fans
Fan Module/2Fan/19"/180CFM	FM-2F-19-180CFM	19″	1	180/2
Fan Module/4Fan/19"/360CFM	FM-4F-19-360CFM	19″	1	360/4

Rack Accessories

Gland Plate Module

50MM Holes for Grommet
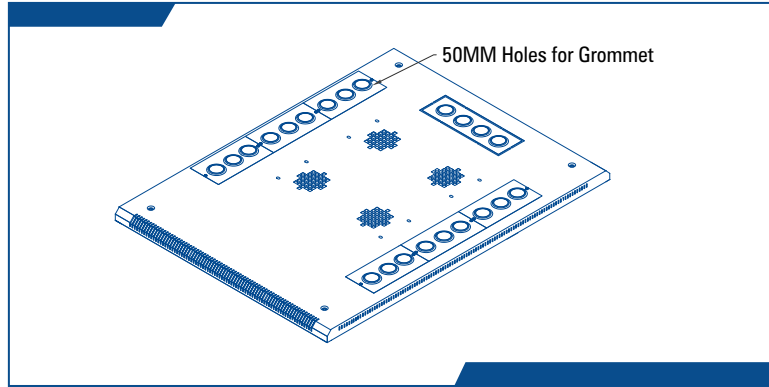
Model Matrix & Dimensions	
Description	Part No.
Gland Plate Module/Top Panel/100X85	GPM-TP-10085
Gland Plate Module/Top Panel/200X85	GPM-TP-20085
Gland Plate Module/Top Panel/300X85	GPM-TP-30085
Gland Plate Module/Top Panel/600X85	GPM-TP-60085
Gland Plate Module/Top Panel/900X85	GPM-TP-90085
Gland Plate Module/Bottom Panel/100X85	GPM-BP-10085
Gland Plate Module/Bottom Panel/200X85	GPM-BP-20085
Gland Plate Module/Bottom Panel/300X85	GPM-BP-30085
Gland Plate Module/Bottom Panel/600X85	GPM-BP-60085
Gland Plate Module/Bottom Panel/900X85	GPM-BP-90085
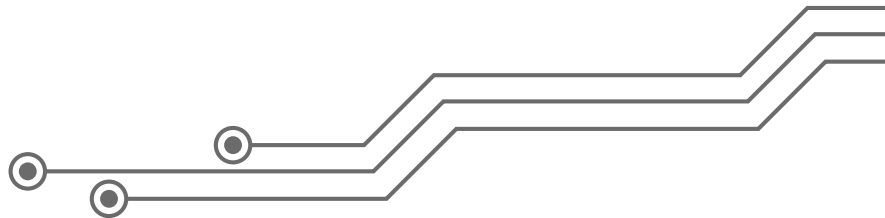
12

OUTDOOR CABINET

A. Wall Mount Racks - WMOD
B. Floor Mount Racks - FMOD

Overview

WMOD Series, Wall mount Racks for Outdoor Application and Designed to meet IP55 (Ingress protection) requirement. Racks are manufactured out of CRCA steel sheet punched, formed, welded to withstand the outdoor bad condition the racks are specially powder coated by Dual coat with primer & Pure polyester powder

Racks are manufactured with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system. Manufacturing facility also comply ISO 14001-2004 & OHSAS 18001-2007

Available from 6RU~15RU Variants, 600 wide and 400~600 Depth with Double louver cover configurations.

Fan mounting provision can be on side or bottom with filter unit to meet IP 55 (Ingress protection) Requirements

Outdoor Cabinet
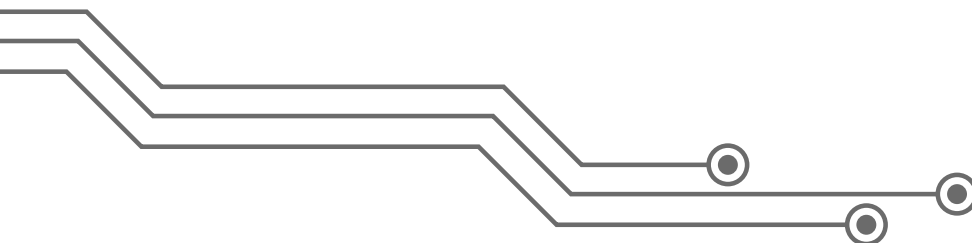
Wall Mount Outdoor Racks Configurator Drawing with Critical Parts
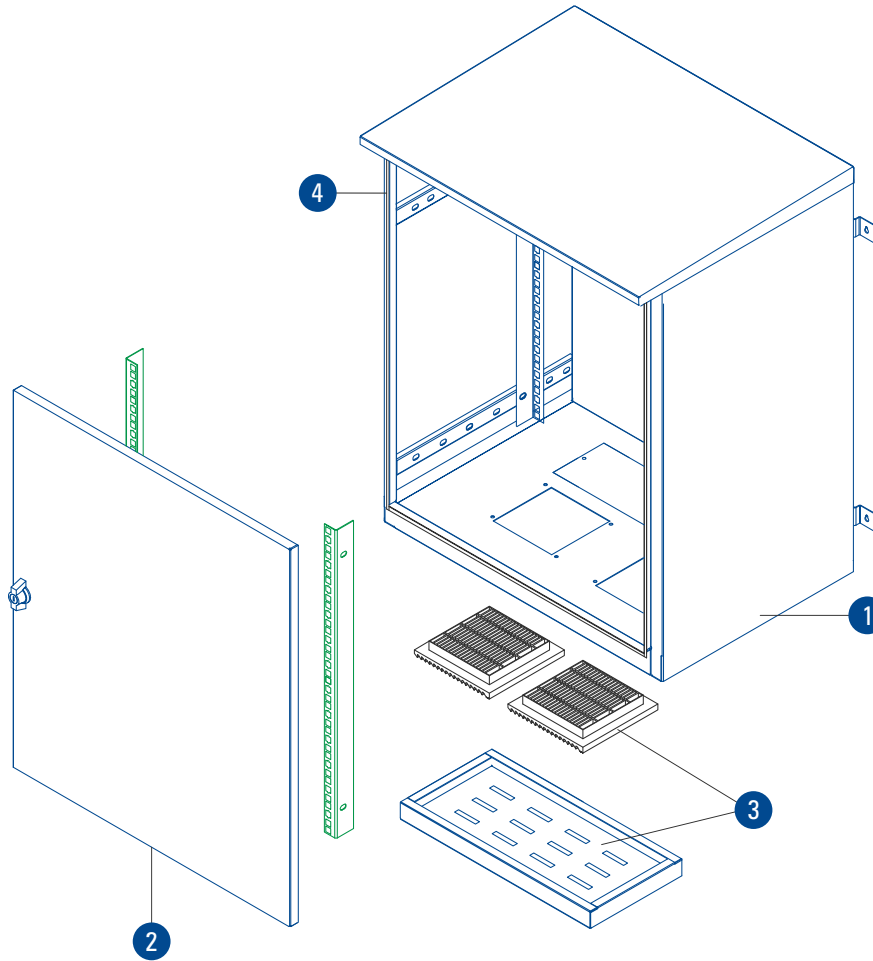
1. Rack Frame
2. Metal Door
3. Filter Unit / Double Louver Cover Module(IP55)
4. Gasket

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO/ EN/ CEA Standard
- Adjustable mounting depth
- 2 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7 mm -15.875mm- 15.875 mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments).
- Special Dual Coat Powder coated finish with seven-tank pretreatment process meeting ASTM standard to Meet Harsh Out door Requirement.
- Grounding & Bonding options

Accessories:

- Cable Organisers
- Power Distribution Units
- Shelves
- Cooling Fans
- Rack ground Kit

Technical Data:

Basic Frame	Steel
Construction	Welded
Top & Bottom Cover	Welded to frame with cable entry exit cut outs in Bottom.
Front Door	Lockable Metal Plain Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Special Dual Coat Powder coated
Standard Colour	Grey & Off White OR Black
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	30 Kg (Uniformly distributed in U Space) / 2KG Per U

Model Matrix & Dimensions

WMOD SERIES	H	h	W	w	D	d
6U/600X400	347	6U	600	19"	400	380
6U/600X500	347	6U	600	19"	500	480
6U/600X550	347	6U	600	19"	550	530
6U/600X600	347	6U	600	19"	600	580
9U/600X400	481	9U	600	19"	400	380
9U/600X500	481	9U	600	19"	500	480
9U/600X550	481	9U	600	19"	550	530
9U/600X600	481	9U	600	19"	600	580
12U/600X400	613	12U	600	19"	400	380
12U/600X500	613	12U	600	19"	500	480
12U/600X550	613	12U	600	19"	550	530
12U/600X600	613	12U	600	19"	600	580
15U/600X400	749	15U	600	19"	400	380
15U/600X500	749	15U	600	19"	500	480
15U/600X550	749	15U	600	19"	550	530
15U/600X600	749	15U	600	19"	600	580

Note:
1. It is recommended to distribute the Load along with U space in the Rack
2. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth
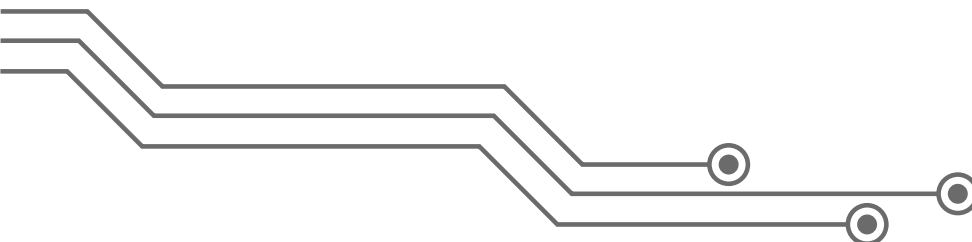
FLOOR MOUNT RACKS
FMOD

Overview

FMOD Series, General Electronics Floor mount Racks for Outdoor Application and Designed to meet IP54 with Fan & IP55 without Fan (Ingress protection) requirement. Racks manufactured out of CRCA steel sheet punched, formed, welded and to withstand the Harsh Outdoor condition the racks are specially powder coated dual coat with primer & pure polyester powder

Racks are manufactured with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system. Manufacturing facility also comply ISO 14001-2004 & OHSAS 18001-2007

Standard for Racks will be fully welded frame with integrated side panel and Associated Front & Back Metal Door with 3 Point lock & Key and provision to mount racks on Floor.

Available from 6RU to 42RU Variants with 600 & 800 Width and 600~800 Depth configurations.
Fan mounting provision can be on sides or top with canopy with filter unit to meet IP 55 (Ingress protection) requirements

Floor Mount Outdoor Racks Configurator Drawing with Critical Parts

1. Rack Frame
2. Plinth
3. Metal Door
4. Filter Unit/ Double
   Louver Module/IP55

FMOD Rack Series With Side Fan

1. Rack Frame
2. Plinth
3. Metal Door
4. Filter Unit/ Double
   Louver Module/IP55

FMOD Rack Series With Top-Fan & Canopy

Features

- Conforms to DIN 41494 or Equivalent EIA /ISO/ EN/ CEA Standard
- Adjustable mounting depth
- 2 No Adjustable, 19" verticals with Punched 10 mm Square Hole and Universal 12.7 mm -15.875mm- 15.875 mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments)
- Special Dual Coat Powder coated finish with seven-tank pretreatment process meeting ASTM standard to Meet Harsh Out door requirement
- Grounding & Bonding options

Accessories:

- Cable Basket
- Angle Pair
- Ganging Kit
- Fixed Shelf
- Cantilever Shelf

- Sliding Shelf
- Key Board Shelf
- Power Distribution Units
- Cable Oragnisers
- Fans and Fan Modules

- Rack Ground Kit
- Plinth
- Casters
- Levellers

Technical Data:	
Basic Frame	Steel folded
Construction	Welded
Top & Bottom Cover	Welded to frame with cable entry exit cut outs.
Front Door/Rear Door	Lockable Metal Plain Door
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off white
Standard Mounting	Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750 Kg (Uniformly distributed in U Space) / 20Kg Per U

Outdoor Cabinet
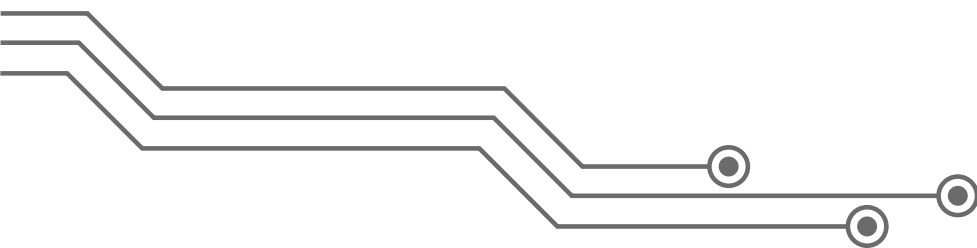
Model Matrix & Dimensions

FMOD SERIES	H	h	W	w	D	d	Plinth Height (mm)
6U 600X600	394	6U	600	19"	600	560	50/100
6U 600X700	394	6U	600	19"	700	660	50/100
6U 600X800	394	6U	600	19"	800	760	50/100
9U 600X600	527	9U	600	19"	600	560	50/100
9U 600X700	527	9U	600	19"	700	660	50/100
9U 600X800	527	9U	600	19"	800	760	50/100
12U 600X600	660	12U	600	19"	600	560	50/100
12U 600X700	660	12U	600	19"	700	660	50/100
12U 600X800	660	12U	600	19"	800	760	50/100
15U 600X600	793	15U	600	19"	600	560	50/100
15U 600X700	793	15U	600	19"	700	660	50/100
15U 600X800	793	15U	600	19"	800	760	50/100
17U 600X600	882	17U	600	19"	600	560	50/100
17U 600X700	882	17U	600	19"	700	660	50/100
17U 600X800	882	17U	600	19"	800	760	50/100
22U 600X600	1104	22U	600	19"	600	560	50/100
22U 600X700	1104	22U	600	19"	700	660	50/100
22U 600X800	1104	22U	600	19"	800	760	50/100
27U 600X600	1326	27U	600	19"	600	560	50/100
27U 600X700	1326	27U	600	19"	700	660	50/100
27U 600X800	1326	27U	600	19"	800	760	50/100
32U 600X600	1548	32U	600	19"	600	560	50/100
32U 600X700	1548	32U	600	19"	700	660	50/100
32U 600X800	1548	32U	600	19"	800	760	50/100
34U 600X600	1637	34U	600	19"	600	560	50/100
34U 600X700	1637	34U	600	19"	700	660	50/100
34U 600X800	1637	34U	600	19"	800	760	50/100
36U 600X600	1726	36U	600	19"	600	560	50/100
36U 600X700	1726	36U	600	19"	700	660	50/100
36U 600X800	1726	36U	600	19"	800	760	50/100
38U 600X600	1815	38U	600	19"	600	560	50/100
38U 600X700	1815	38U	600	19"	700	660	50/100
38U 600X800	1815	38U	600	19"	800	760	50/100
40U 600X600	1904	40U	600	19"	600	560	50/100
40U 600X700	1904	40U	600	19"	700	660	50/100
40U 600X800	1904	40U	600	19"	800	760	50/100
42U 600X600	1993	42U	600	19"	600	560	50/100
42U 600X700	1993	42U	600	19"	700	660	50/100
42U 600X800	1993	42U	600	19"	800	760	50/100

Note:
1. Overall Height = Frame Height + Plinth
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

Model Matrix & Dimensions

FMOD SERIES	H	h	W	w/w1	D	d	Plinth Height (mm)
6U 800X600	394	6U	800	19/27"	600	560	50/100
6U 800X700	394	6U	800	19/27"	700	660	50/100
6U 800X800	394	6U	800	19/27"	800	760	50/100
9U 800X600	527	9U	800	19/27"	600	560	50/100
9U 800X700	527	9U	800	19/27"	700	660	50/100
9U 800X800	527	9U	800	19/27"	800	760	50/100
12U 800X600	660	12U	800	19/27"	600	560	50/100
12U 800X700	660	12U	800	19/27"	700	660	50/100
12U 800X800	660	12U	800	19/27"	800	760	50/100
15U 800X600	793	15U	800	19/27"	600	560	50/100
15U 800X700	793	15U	800	19/27"	700	660	50/100
15U 800X800	793	15U	800	19/27"	800	760	50/100
17U 800X600	882	17U	800	19/27"	600	560	50/100
17U 800X700	882	17U	800	19/27"	700	660	50/100
17U 800X800	882	17U	800	19/27"	800	760	50/100
22U 800X600	1104	22U	800	19/27"	600	560	50/100
22U 800X700	1104	22U	800	19/27"	700	660	50/100
22U 800X800	1104	22U	800	19/27"	800	760	50/100
27U 800X600	1326	27U	800	19/27"	600	560	50/100
27U 800X700	1326	27U	800	19/27"	700	660	50/100
27U 800X800	1326	27U	800	19/27"	800	760	50/100
32U 800X600	1548	32U	800	19/27"	600	560	50/100
32U 800X700	1548	32U	800	19/27"	700	660	50/100
32U 800X800	1548	32U	800	19/27"	800	760	50/100
34U 800X600	1637	34U	800	19/27"	600	560	50/100
34U 800X700	1637	34U	800	19/27"	700	660	50/100
34U 800X800	1637	34U	800	19/27"	800	760	50/100
36U 800X600	1726	36U	800	19/27"	600	560	50/100
36U 800X700	1726	36U	800	19/27"	700	660	50/100
36U 800X800	1726	36U	800	19/27"	800	760	50/100
38U 800X600	1815	38U	800	19/27"	600	560	50/100
38U 800X700	1815	38U	800	19/27"	700	660	50/100
38U 800X800	1815	38U	800	19/27"	800	760	50/100
40U 800X600	1904	40U	800	19/27"	600	560	50/100
40U 800X700	1904	40U	800	19/27"	700	660	50/100
40U 800X800	1904	40U	800	19/27"	800	760	50/100
42U 800X600	1993	42U	800	19/27"	600	560	50/100
42U 800X700	1993	42U	800	19/27"	700	660	50/100
42U 800X800	1993	42U	800	19/27"	800	760	50/100

Note:
1. It is recommended to distribute the Load along with U space in the Rack
2. Dimension are in MM

Abbreviations

H - Overall height   h - Usable height   W - Overall width   w - Usable width   D - Overall depth   d - Usable depth

OTHER PRODUCTS

13

Overview

The Table frame is made of 50X25X2MM / or 100X50X2MM high quality structural tube and designed completely modular. NetRack offers both ESD & Non ESD table and completed ESD accessories

General scope includes modular Frame, ESD or non ESD post formed centre tabletops, Lipped bottom tabletops and Cantilever shelf. The lab table dimensions (Height, Depth and Length) is customer specific.

![Netrack Enclosures logo — STORE | SECURE | STREAMLINE | SYSTEMISE]

Features

- Completely Knock down construction
- Composite construction basic frame-Steel powder coated to meet ASTM standard
- Table top made of Post formed / Lipped tabled tops
- Cable channel for both vertical and horizontal cable management
- Vertically adjustable Power Distribution and Data Distribution Channels
- Casters and Levellers for moving and aligning to suit site conditions
- Vertically Adjustable Earthing strips, DIN Rails with support to suit different lab environments

Accessories:

- Cable Organizers
- Data Distibution Channel
- DIN Rail Channel
- Drawer Units
- Key Board Shelf
- 19" Rack/Arrangement

- ESD Accessories-
  - Anti-Static Mat
  - Table Ground Kit
  - Wrist Band
  - Equipment Ground Kit

Overview

ESD (Electro Static Discharge) Safety is very important factor to be considered while designing Lab Tables and Rack, using proper accessories is critical for the safety of engineers and technicians working on ESD environment.

NetRack understands the importance of accessories and offers complete range of ESD Accessories properly tested to meet industry standards.

- ESD Safe Table Top
- Anti-Static Mat
- Table Ground Kit
- Wrist Band
- Equipment Ground Kit

Equipment Ground Kit
Part No: LTA-008

Wrist Band
Part No: LTA-010

Table Ground Kit
Part No: LTA-009

Continues Work Station Monitor
Part No: LTA-011

Overview

The Racks are tailor made to customer requirement and available in completely steel or aluminum & Steel composite.

The Design is completely modular and CKD construction allow to fast and easy assembly at site. Rack subassembly powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Generally these racks are preferred to use as open frame. To meet some special requirement NetRack offers front Doors, Back Doors, Side Panels as option.

Customised Racks Configurator Drawing with Critical Parts
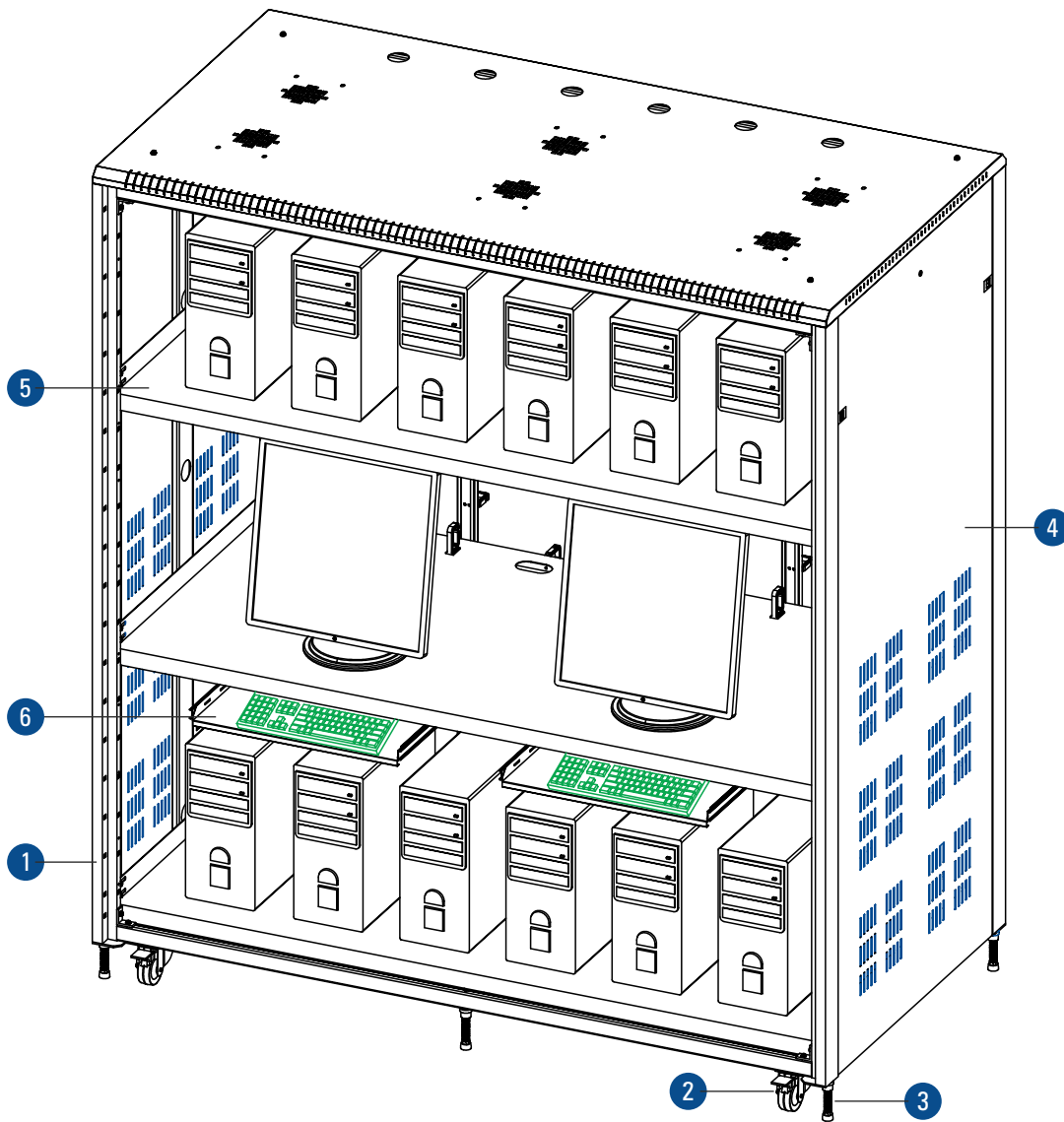
1. Frame
2. Caster
3. Leveller
4. Side Panel
5. Shelf
6. Keyboard Shelf

Features

- Completely Modular and CKD Construction
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- Power coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding options
- 2 or 4 Fan module mount provision on top cover
- Preconfigured to use key board shelves, Power distributions, data distribution

Overview

Today with requirement of electrical protection & safety require proper design of Grounding and Bonding at the design stage, NetRack understand the requirement of Grounding and Bonding solutions for IT infrastructure and mission critical equipments. offer complete range of Grounding and Bonding solutions for IT Room, Racks and Runway the products are properly designed to meet required standard in the industry.
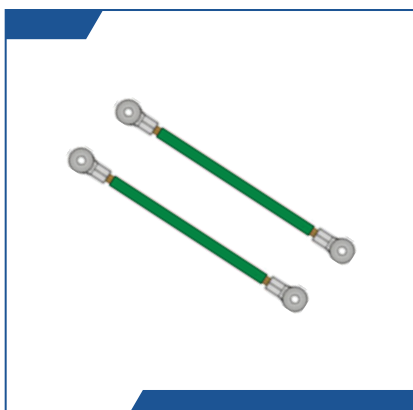
Products range include, TMGB, TGB, Horizontal / vertical ground bus bar, bonding solution bond the Racks & Runway to bus bars.
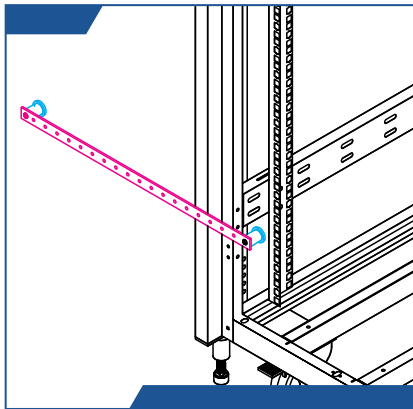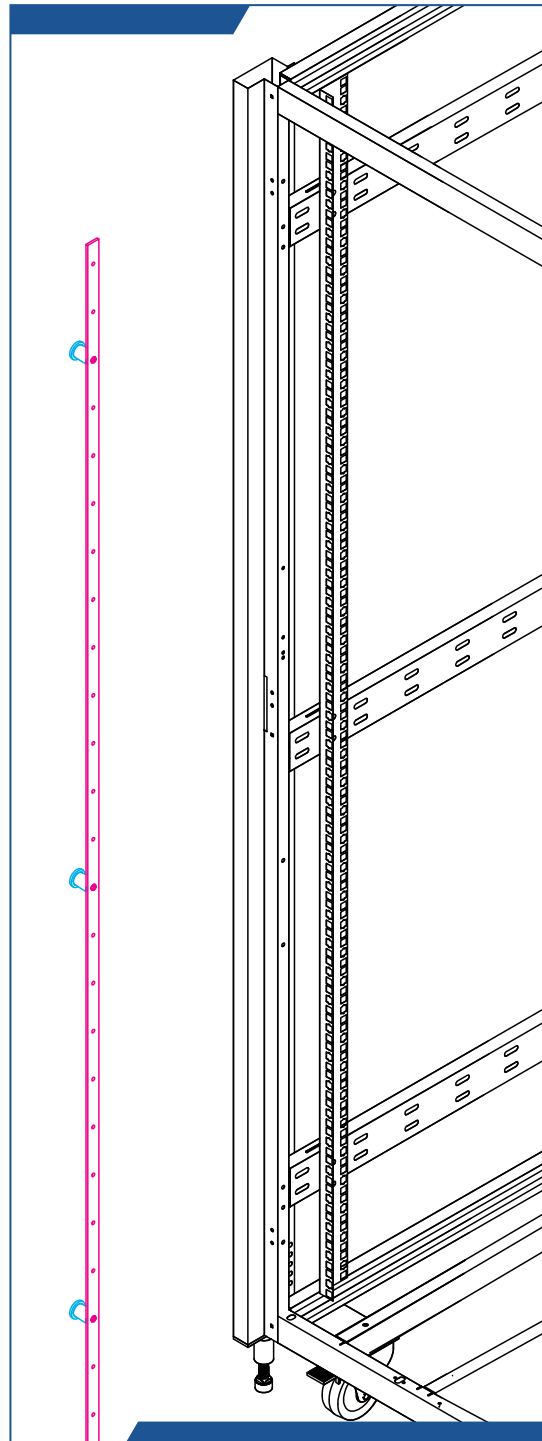

Horizontal Ground Bus Bar
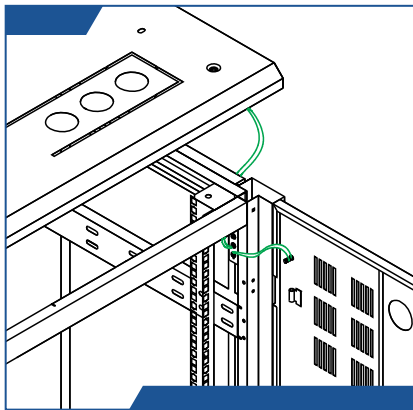
Universal Rack Ground Kit

Bonding Cables

Vertical Ground Bus Bar

Telecom Main Ground Bar
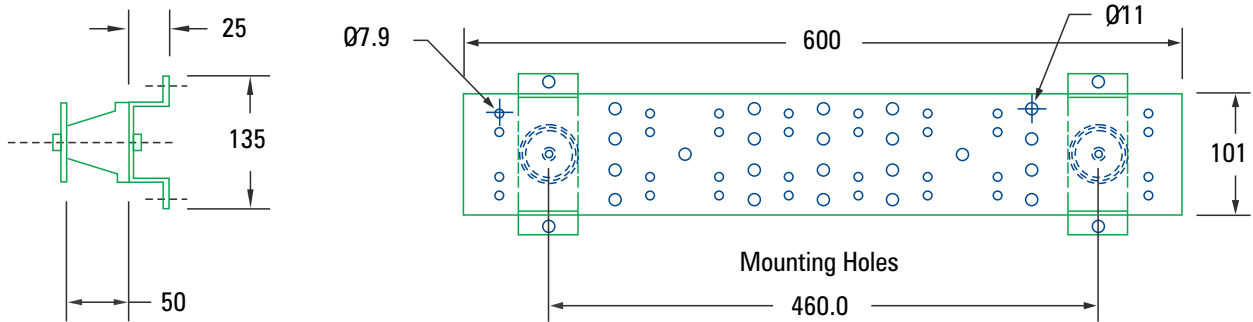
Telecom Ground Bar
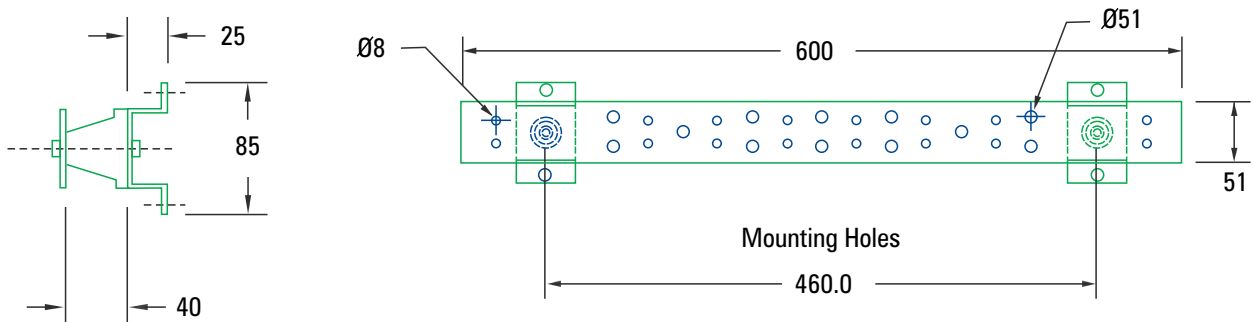
Model Matrix	
Description	Part No
Telecomunication Main Grounding bus bar Assembly/600X100X6mm	TMGB-001
Telecomunication Grounding bus bar asemblly/600X50X6mm	TGB-001
Universal Rack Ground Kit-Type 1	GBA-001-1
Rack Ground Bus bar/Horizantal/19X3/19"	GBA-002-H-19
Rack Ground Bus bar/Vertcal/19X3/1800	GBA-002-V-1800
Rack Ground Bus bar/Vertcal/19X3/900	GBA-002-V-900
Bonding Cable Kit -2.5mm2/500MM	GBA-003-001-500
Bonding Cable Kit-2.5mm2/250MM	GBA-003-001-250
Bonding Cable Kit-4mm2/500MM	GBA-003-002-500
Bonding Cable Kit-4mm2/250MM	GBA-003-002-250

Overview

NSTR1 Series, Rigid Racks specially designed for Telecom application. Racks manufactured out of steel sheet punched, formed, welded and powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame with 4 no Pillars of 5 folded profile welded to top and bottom ribbed/reinforced frame additionally supported depth wise by welding 6 no depth rail 4 folded profile. Associated with vented top cover with fan mounting. Front Doors can be Glass OR Perforated Single / Dual with Lock and Key and Back Door can be Front Doors can be Metal Vented OR Perforated Single / Dual with Lock and Key, associated with side panel Integrated or Removable based on depth. The Racks will be free standing on plinth.

Racks are equipped with Integrated cable management 25MM, 75MM & 150MM

Available in 2200MM height with 500, 600 with integrated side panel, 800, 1000 with removable side panels depth configurations and 600, 700 & 800 width configurations

NSTR 1 Series Configurator Drawing with Critical Parts (500/600MM Depth)
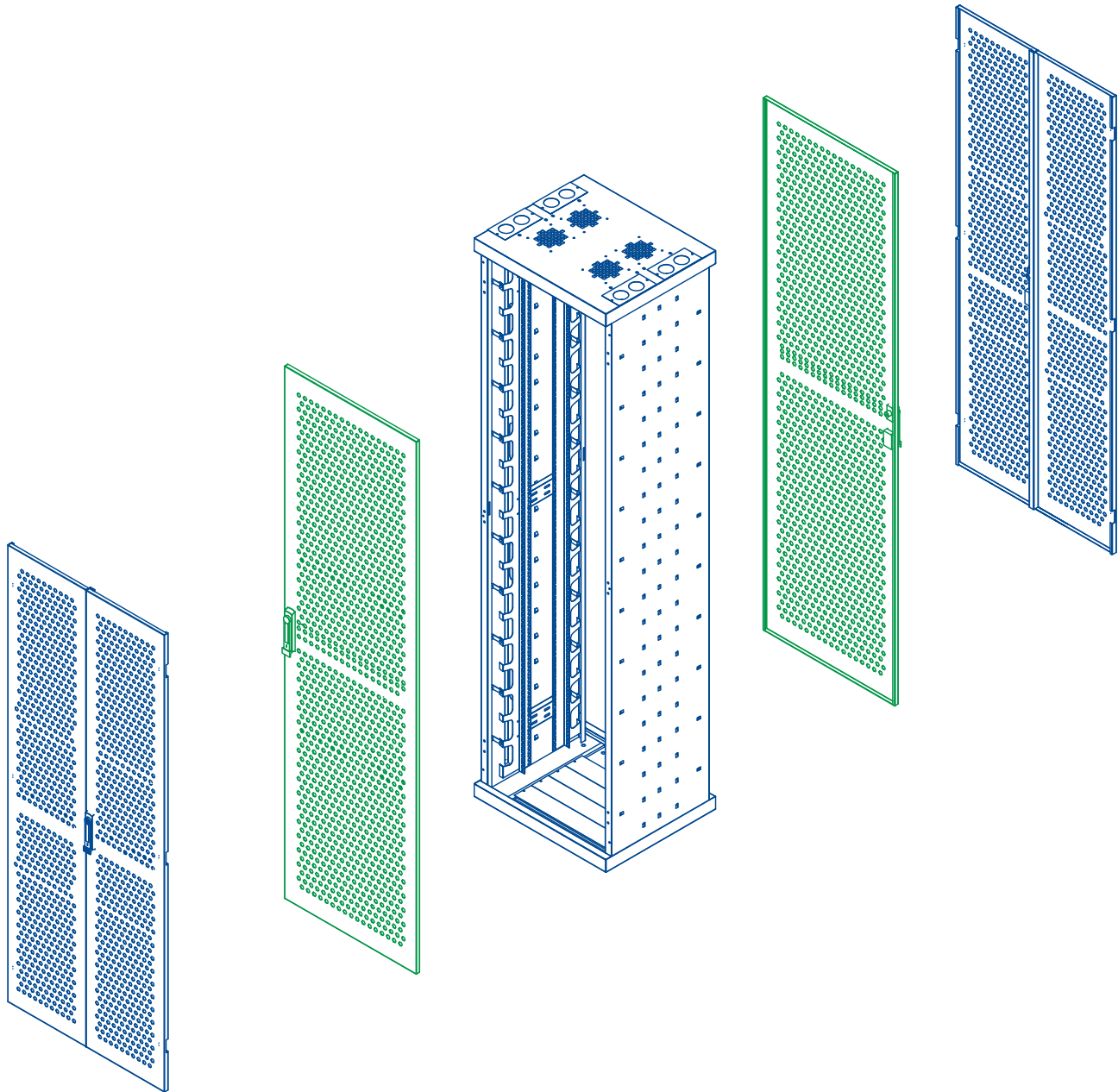
Model Matrix & Dimensions

H	h	W	w	w1	D	d	Caster Type	Plinth Height(MM)
2200	2100	600	451/19''	50	500	270	TYPE-3	50/100
2200	2100	600	451/19''	50	600	370	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Other Products

NETRACK ENCLOSURES
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NSTR 1 Series Configurator Drawing with Critical Parts (800/1000MM Depth)
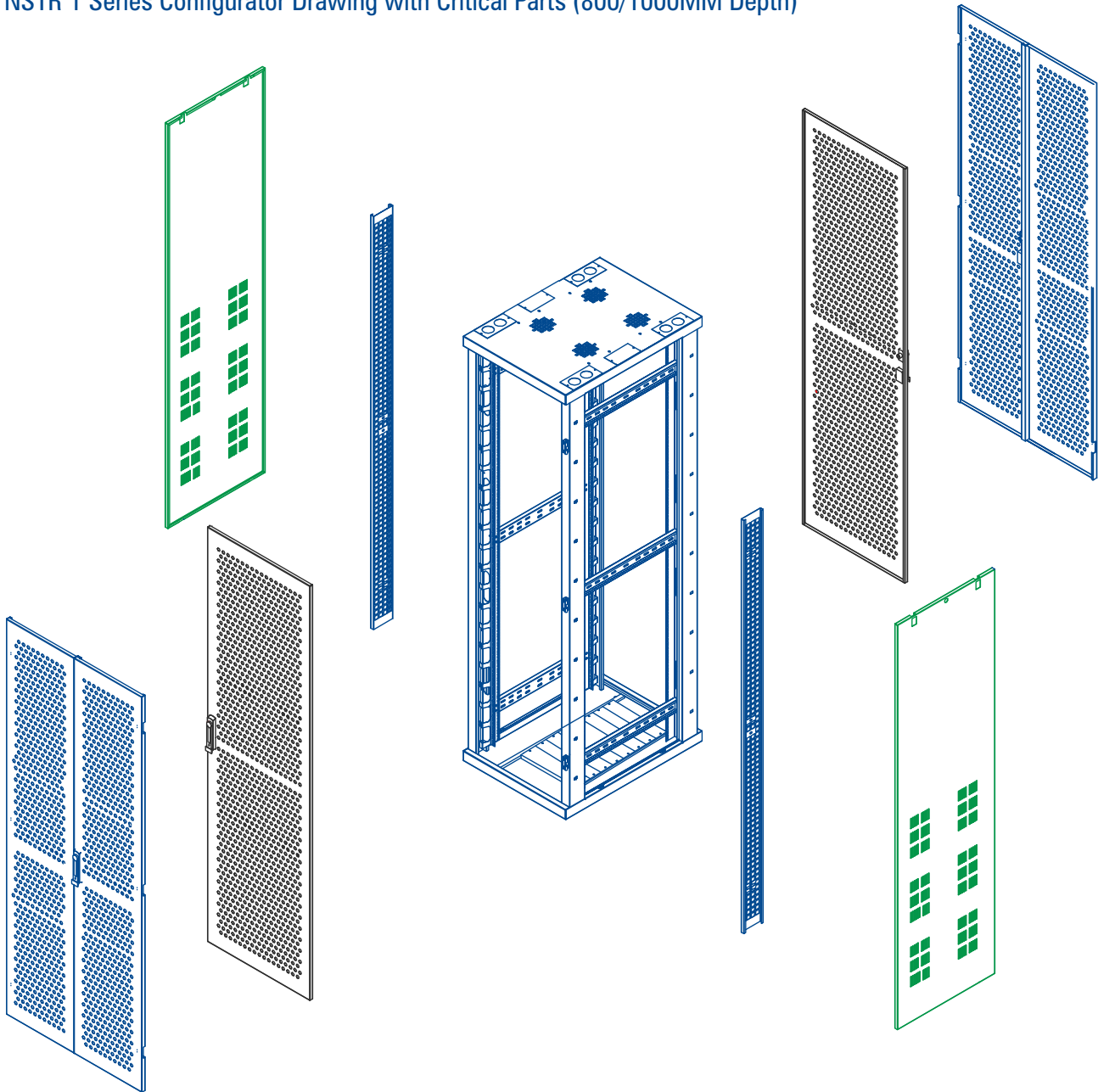
Model Matrix & Dimensions

H	h	W	w	w1	D	d	Cable basket (w)	Caster Type	Plinth Height(MM)
2200	2100	600	451/19″	50	800	570	100	TYPE-3	50/100
2200	2100	600	451/19″	50	1000	770	200	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Other Products

NSTR 1 Series Configurator Drawing with Critical Parts (600/800/1000MM Depth)
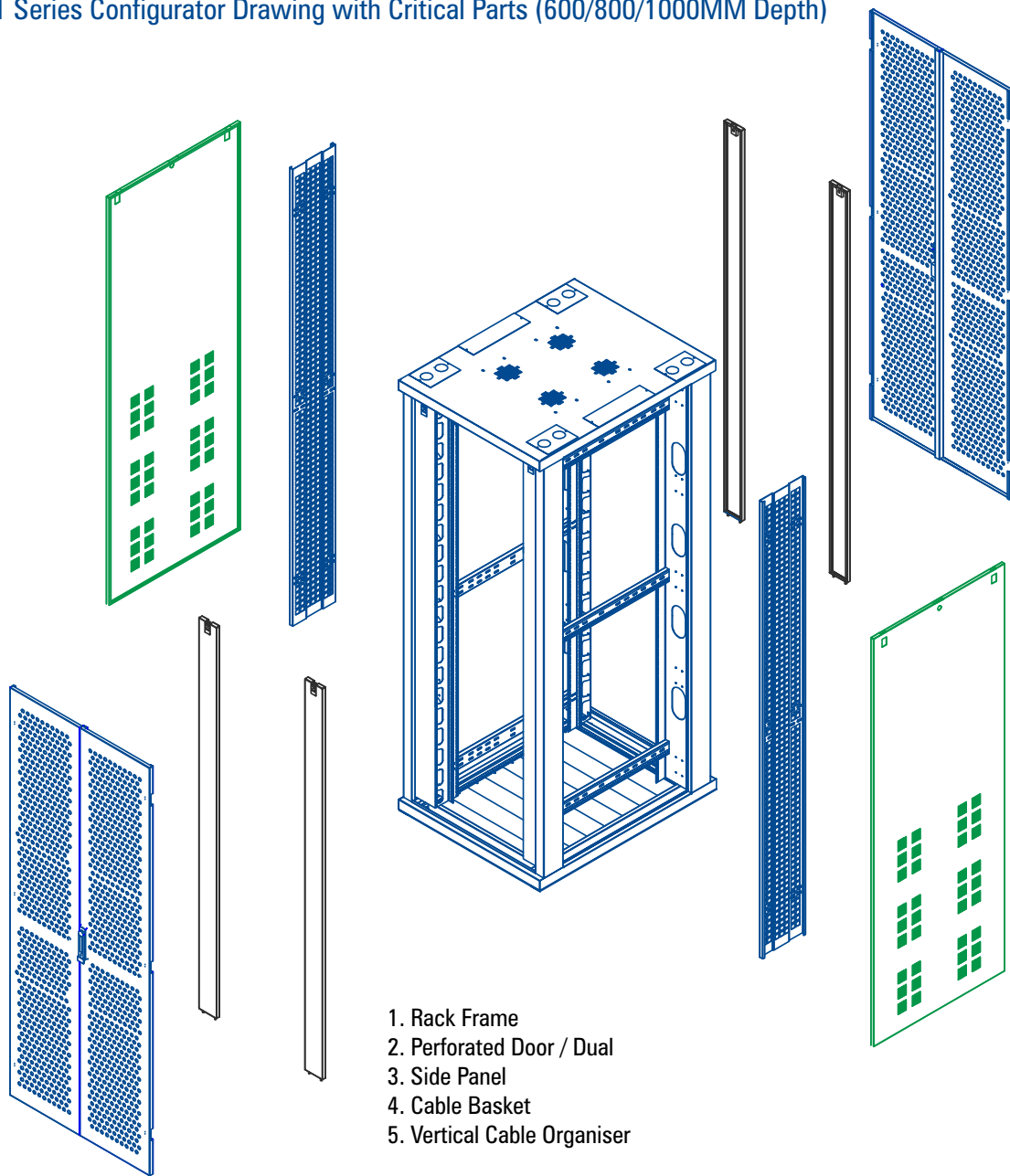
1. Rack Frame
2. Perforated Door / Dual
3. Side Panel
4. Cable Basket
5. Vertical Cable Organiser

Model Matrix & Dimensions

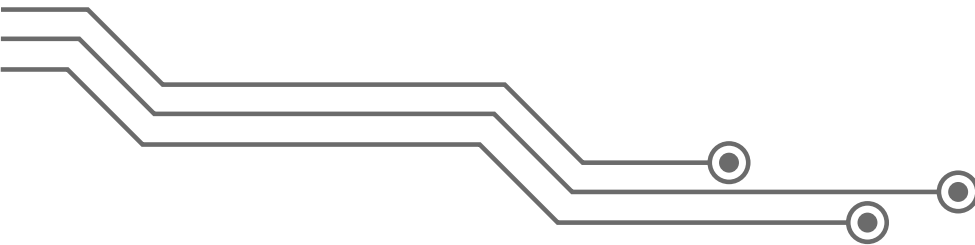| H	h	W	w	w1	D	d	Cable basket (w)	Caster Type	Plinth Height(MM)
2200	2100	700	451/19''	100	600	370	NA	TYPE-3	50/100
2200	2100	700	451/19''	100	800	570	100	TYPE-3	50/100
2200	2100	700	451/19''	100	1000	770	200	TYPE-3	50/100
2200	2100	800	451/19''	150	800	570	100	TYPE-3	50/100
2200	2100	800	451/19''	150	1000	770	200	TYPE-3	50/100

Note :

1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Features

- Conforms to DIN 41494 or Equivalent EIA / ISO / EN / CEA Standard adjustable mounting depth
- 4 No adjustable, 19" verticals with Punched 10 mm square hole and universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments) Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding options
- Fan module Mount provision on top cover

| Technical Data:	
Basic Frame	Steel folded
Construction	Welded
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
19" Mounting Angle	Formed Steel
Std. Equipment Mounting	DIN Std. 10mm Sq. Slots
Standard Finish	Powder coated
Standard Colour	Grey & Off White OR Black
Standard Mounting	Plinth
Rack Standard	Conforms to DIN 41494 or equivalent standard
Static Load	750 KG

TELECOM RACKS
NSTR 2

Overview

NSTR 2 Series, Racks Specially designed for Telecom application. Racks manufactured out of steel sheet punched, formed, welded and Powder coated with highest quality standards under stringent ISO 9001-2008 Manufacturing & Quality management system to ensure highest quality product.

Standard for Racks configuration will be welded frame with 4 no Pillars of 5 folded profile welded to top and bottom ribbed/reinforced frame additionally supported depth wise by welding 6 no depth rail 4 folded profile. Associated with vented top cover with fan mounting. Front Doors can be Glass OR Perforated Single / Dual with Lock and Key and Back Door can be Front Doors can be Metal Vented OR perforated Single / Dual with Lock and Key, associated with side panel Integrated or Removable based on depth. The Racks will be Free Standing on Plinth.

Available in 2200 Height with 200, 300, 400 with integrated side panel and 600, 800 & 1000 with removable side panels Depth configurations and 600 Width configurations

Other Products

NSTR 2 Series Configurator Drawing with Critical Parts (200/300/400MM Depth)

Adapter / 21" to 19"
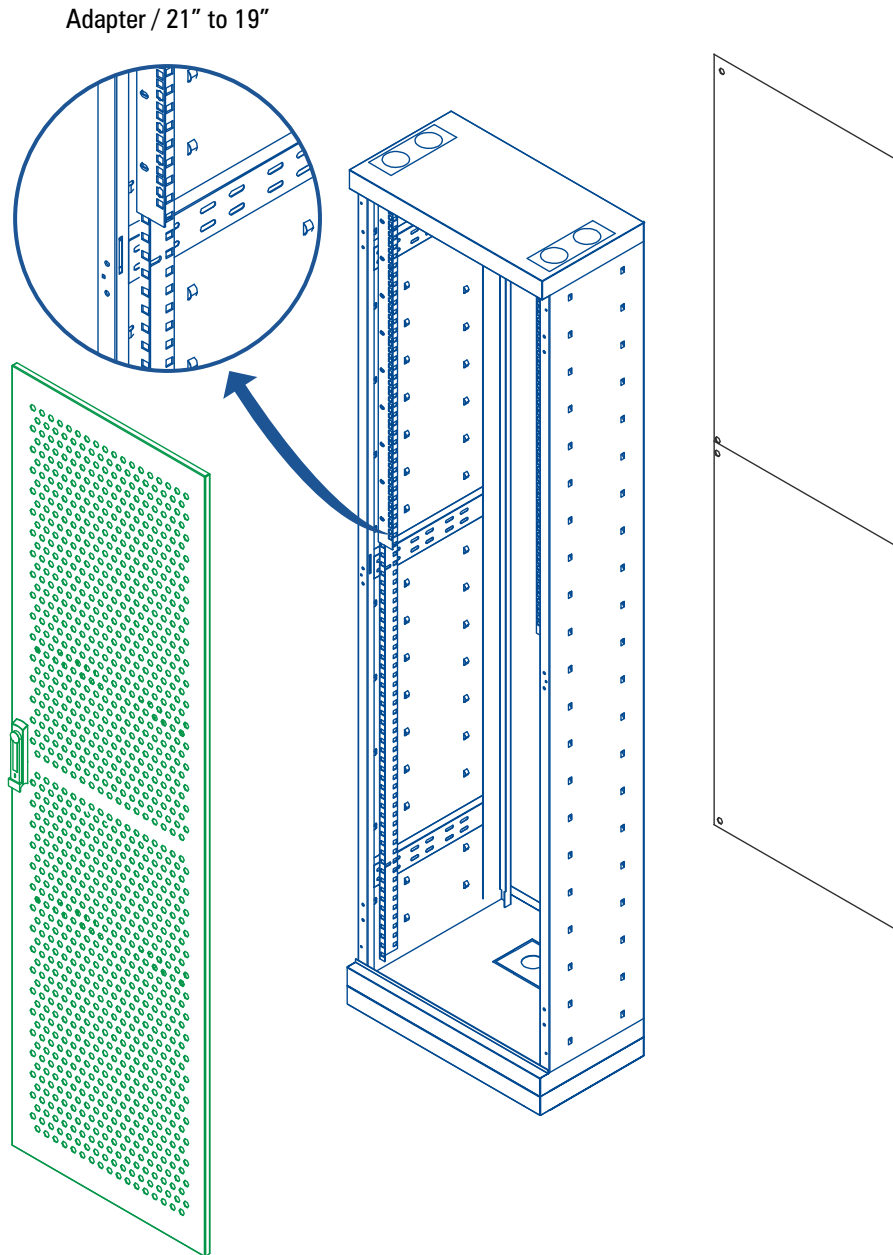
Model Matrix & Dimensions

H	h	W	w	w1	D	d	Caster Type	Plinth Height(MM)
2200	2100	600	21"	19"	200	150	TYPE-3	50/100
2200	2100	600	21"	19"	300	250	TYPE-3	50/100
2200	2100	600	21"	19"	400	350	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Other Products

NSTR 2 Series Configurator Drawing with Critical Parts (500MM Depth)
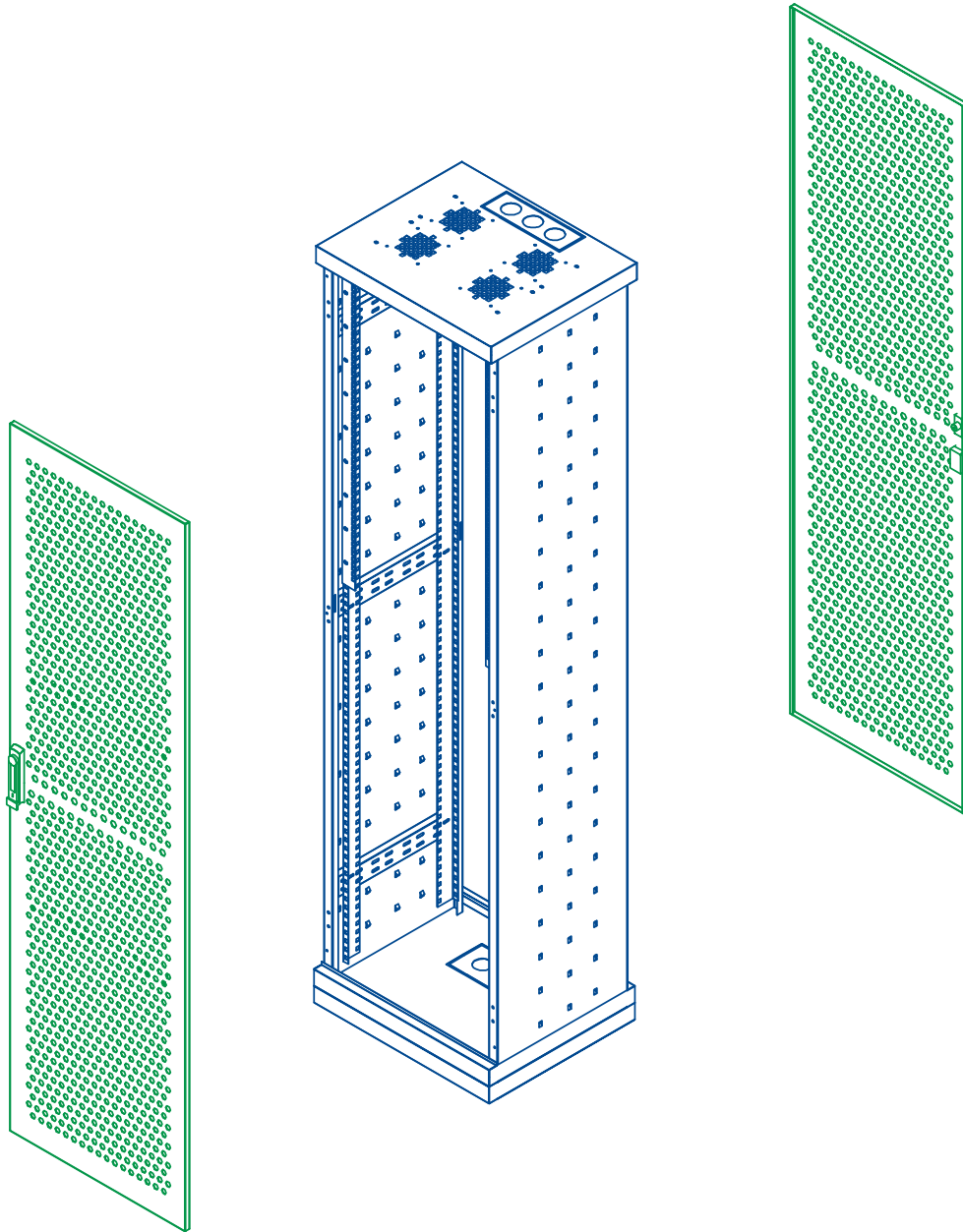
Model Matrix & Dimensions								
H	h	W	w	w1	D	d	Caster Type	Plinth Height(MM)
2200	2100	600	21''	19''	500	400	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Other Products

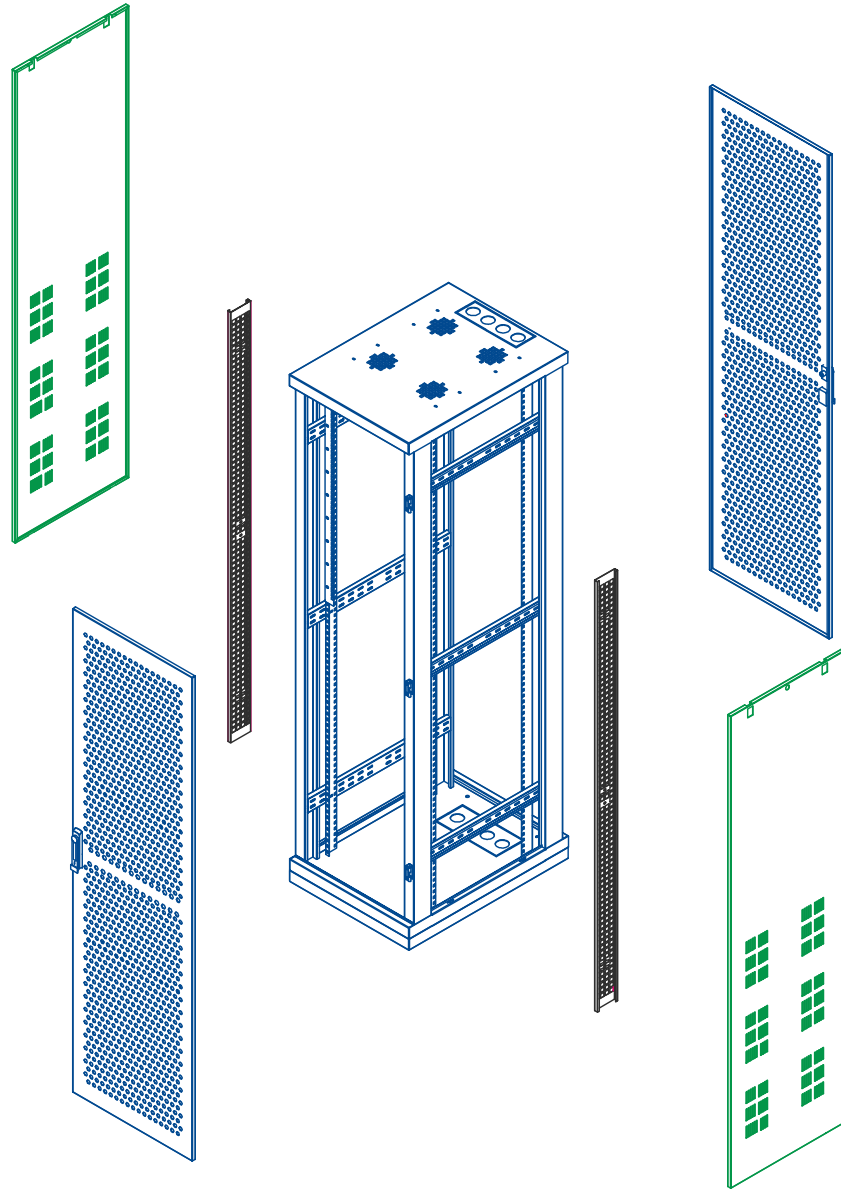## NSTR 2 Series Configurator Drawing with Critical Parts (600/700/800/900/1000MM Depth)

| Model Matrix & Dimensions								
H	h	W	w	w1	D	d	Caster Type	Plinth Height(MM)
2200	2100	600	21''	19''	600	500	TYPE-3	50/100
2200	2100	600	21''	19''	700	600	TYPE-3	50/100
2200	2100	600	21''	19''	800	700	TYPE-3	50/100
2200	2100	600	21''	19''	900	800	TYPE-3	50/100
2200	2100	600	21''	19''	1000	900	TYPE-3	50/100

Note :
1. Overall Height = Frame Height+Plinth or Caster
2. It is recommended to distribute the Load along with U space in the Rack
3. Dimension are in MM

Features

- Conforms to ETSI-21 Standard
- Confirms to DIN 41494 or Equivalent EIA / ISO / EN / CEA with adopter Standard adjustable mounting depth
- 4 No Adjustable, 19" verticals with Punched 10 mm square hole and universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space
- Numbered U positions
- State-of-the-art manufacturing methods provide the best product quality and fastest delivery in the industry
- 100% assured compatibility with all equipments conforming to DIN 41494 (General industrial standard for equipments) Powder coated finish with seven tank pretreatment process meeting ASTM standard
- Grounding & Bonding options
- Fan module Mount provision on top cover

Technical Data:	
Basic Frame	Steel folded
Construction	Welded
Top & Bottom Cover	Welded to Frame with Cable entry exit cut outs
Front Door	Lockable Toughened Glass Door OR Lockable Perforated steel Door
Rear Door	Lockable Steel Door - Plain / Vented / Perforated
21" Mounting Angle	Formed Steel
Std. Equipment Mounting	21" ETSI
Std. Equipment Mounting with Adopter	19" DIN DIN 41494 or Equivalent EIA / ISO / EN / CEA
Standard Finish	Powder coated
Standard Color	Grey & Off White OR Black
Standard Mounting	Plinth
Rack Standard	Conforms to ETSI -21" stand OR DIN 41494 with adopter
Static Load	750Kg

Other Products
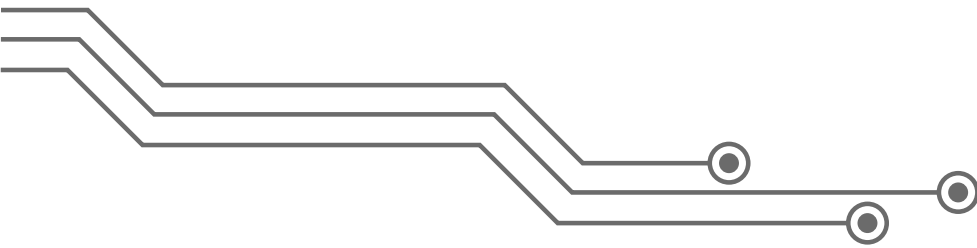
Overview

DC Power Distribution (DCDB) is very important accessory for Telecom racks as majority of equipments work on DC voltage, NetRack after carefully studying the Requirements offer 200A to 1800 Amp systems with 20X3mm to 100X10mm high quality Coper BUSBARS with tapped hole for power cable Termination to mange different requirements in industry.

The Standard models of 19, 21 or 23 inch standard, Available with MCB mounting OR with out MCB Mounting can be 3U, 4U and 6U variants based Current and Internal configurations. DCDB can be customised based on special large Requirements.

Rear View

Front View
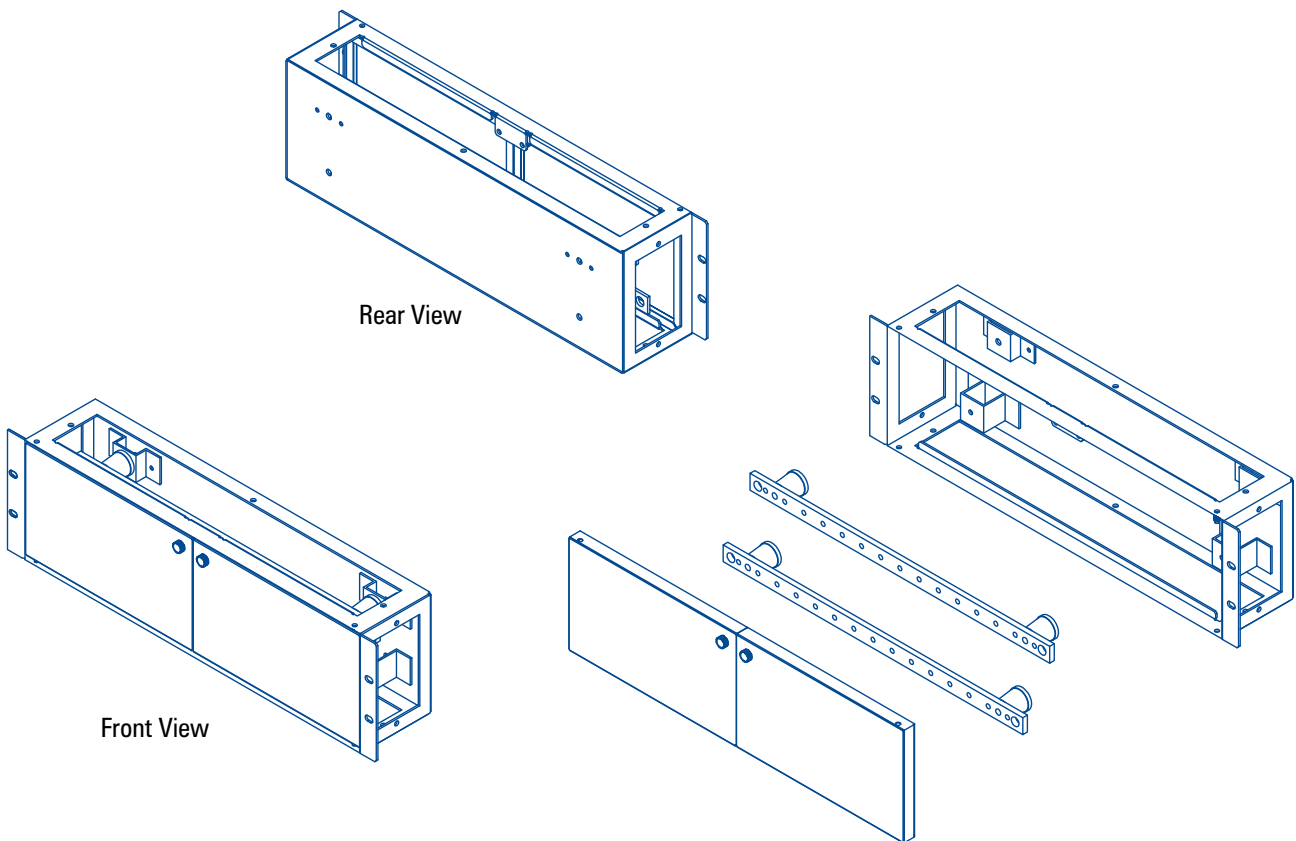
Model Matrix & Dimensions

Description	Part Number
DCDB/3U/200A/20X3 Busbar-2	DCDB-3U-001
DCDB/3U/300A/20X6 Busbar-2	DCDB-3U-002
DCDB/4U/650A/50X6 Busbar-2	DCDB-4U-001
DCDB/4U/950A/50X10 Busbar-2	DCDB-4U-002
DCDB/6U/1400A/75X10 Busbar-2	DCDB-6U-001
DCDB/6U/1800A/100X10 Busbar-2	DCDB-6U-002

Rear View

Front View
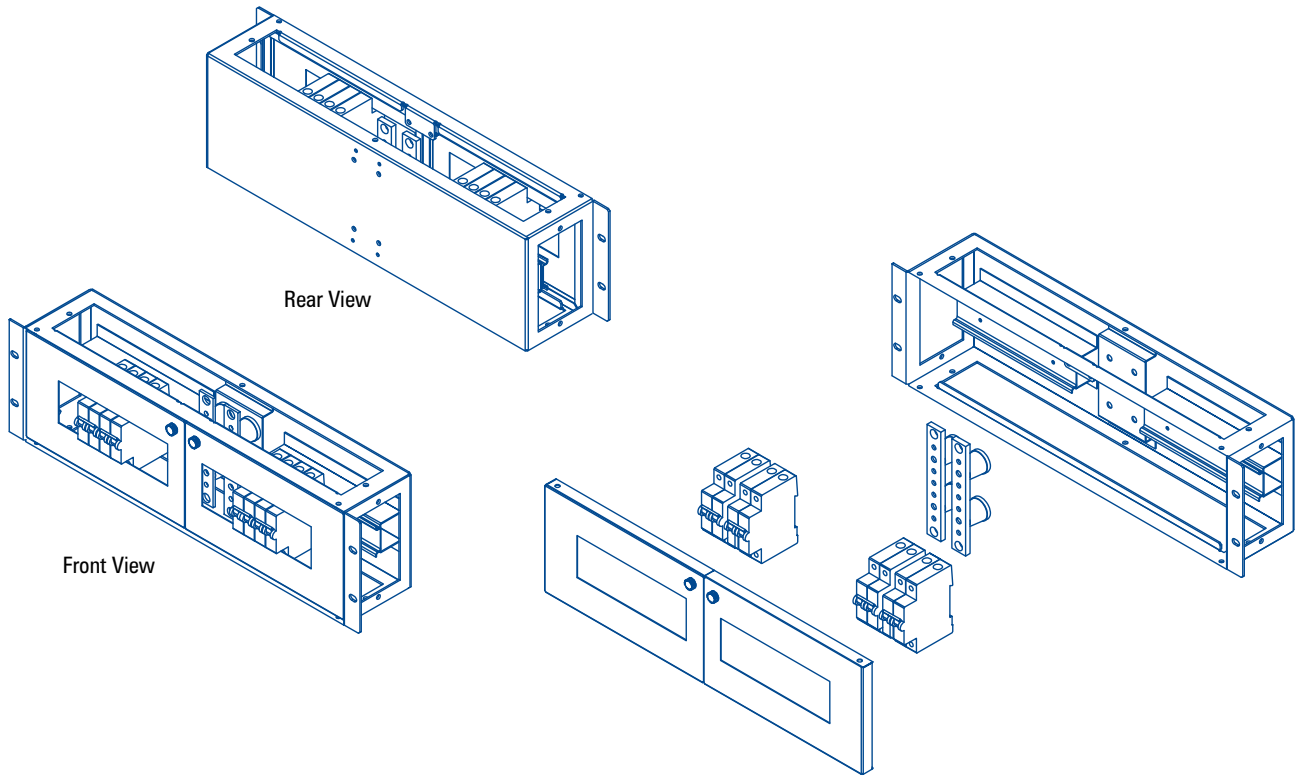
Model Matrix & Dimensions

Description	Part Number
DCDB/3U/200A/20X3 Busbar-2/DinRail	DCDB-3U-003
DCDB/3U/300A/20X6 Busbar-2/DinRail	DCDB-3U-004
DCDB/4U/650A/50X6 Busbar-2/DinRail	DCDB-4U-003
DCDB/4U/950A/50X10 Busbar-2/DinRail	DCDB-4U-004
DCDB/6U/1400A/75X10 Busbar-2/DinRail	DCDB-6U-003
DCDB/6U/1800A/100X10 Busbar-2/DinRail	DCDB-6U-004
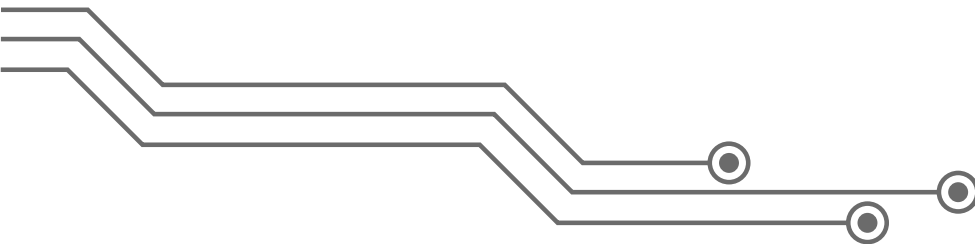
ORDERING MATRIX

Front Door

Perforated Door/ Convex	1
Perforated Door/ Dual	2
Perforated Door/ Flat	3
Glass Door	4
Metal Door/ vented	5
Metal Door/ Plain	6
No Door	0

Back Door

Perforated Door/ Convex	1
Perforated Door/ Dual	2
Perforated Door/ Flat	3
Glass Door	4
Metal Door/ vented	5
Metal Door/ Plain	6
No Door	0

Side Panel

Side panel/ Single/ Plain	1
Side panel/ Single/ Vented	2
Side panel/ Dual/ Plain	3
Side panel/ Dual/ Vented	4
Integrated Side Panel	5
No Side Panel	0

Mounting

Plinth	0
Casters & Leveller	1
Casters	2
Levellers	3

Colour

Black	RAL 9004	Z0
Red	RAL 3001	Z1
Blue	RAL 5015	Z2
Orange	RAL 2000	Z3
Gray & Off White	RAL 7037 & 7035	Z4
Gray	RAL 7037	Z5
Off White	RAL 7035	Z6
Signal White	RAL 9003	Z7
Green	RAL 6018	Z8
Yellow	RAL 1003	Z9

Depth	
600	60
650	65
800	80
1000	10
1200	12

Width	
600	6

Assembly Part No

XXXX	X	XX	XX	X	X	X	X	X
Series	Width	Depth	Height in U	Front Door	Back Door	Side Panel	Mounting	Colour

NETRACK
ENCLOSURES
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Front Door

Perforated Door/ Convex	1
Perforated Door/ Dual	2
Perforated Door/ Flat	3
Glass Door	4
Metal Door/ vented	5
Metal Door/ Plain	6
No Door	0

Back Door

Perforated Door/ Convex	1
Perforated Door/ Dual	2
Perforated Door/ Flat	3
Glass Door	4
Metal Door/ vented	5
Metal Door/ Plain	6
No Door	0

Side Panel

Side panel/ Single/ Plain	1
Side panel/ Single/Vented	2
Side panel/ Dual/ Plain	3
Side panel/ Dual/Vented	4
Integrated Side Panel	5
No Side Panel	0

Mounting

Plinth	0
Casters & Leveller	1
Casters	2
Levellers	3

Adopter Kit

No Adapter Kit	0
19" Adaptor Kit/XXU/Loops	1
19" Adaptor Kit/XXU/Loops/ Type1	2
19" Adaptor Kit/XXU/Closed/ Door/100-2	3
19" Adaptor Kit/XXU/Closed/ Door/100 x100-4	4
19" Adaptor Kit/XXU/Closed/ Door/150-2	5
19" Adaptor Kit/XXU/Closed/ Door/150 x150-4	6

Colour

Black	RAL 9004	Z0
Red	RAL 3001	Z1
Blue	RAL 5015	Z2
Orange	RAL 2000	Z3
Gray & Off White	RAL 7037 & 7035	Z4
Gray	RAL 7037	Z5
Off White	RAL 7035	Z6
Signal White	RAL 9003	Z7
Green	RAL 6018	Z8
Yellow	RAL 1003	Z9

Depth	
800	80
1000	10
1200	12

Width	
800	8

Assembly Part No

XXXX	X	XX	XX	X	X	X	X	X	X
Series	Width	Depth	Height in U	Front Door	Back Door	Side Panel	Mounting	Adapter Kit	Colour

Assembly Part No - NHDC Rack

Front Door

Perforated Door/ Dual   1
No Door   0

Back Door

Perforated Door/ Dual   1
No Door   0

Side Panel

Side panel/ Single/ Plain   1
Side panel/ Single/ Vented   2
Side panel/ Dual/ Plain   3
Side panel/ Dual/ Vented   4
Integrated Side Panel   5
No Side Panel   0

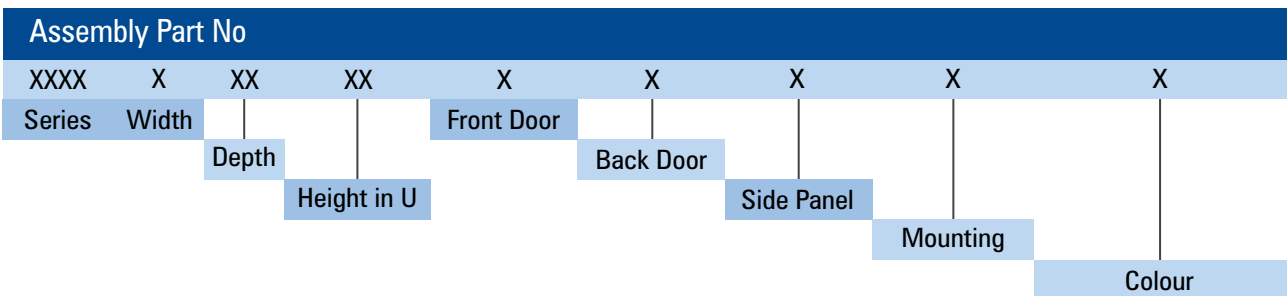## Mounting

Plinth   1

High Dencity Frame (NHDC)

High Dencity Frame/6 Inch/Loops X 4 NO   1
High Dencity Frame/6 Inch X 2 NO   2
High Dencity Frame/6 Inch/Loops X 2 NO
High Dencity Frame/6 Inch X 4NO   3
High Dencity Frame/8 Inch/Loops X 4 NO   4
High Dencity Frame/8 Inch X 2 NO   5
High Dencity Frame/8 Inch/Loops X 2 NO
High Dencity Frame/8 Inch X 4 NO   6

Colour

Black		RAL 9004	Z0
Red		RAL 3001	Z1
Blue		RAL 5015	Z2
Orange		RAL 2000	Z3
Gray & Off White		RAL 7037 & 7035	Z4
Gray		RAL 7037	Z5
Off White		RAL 7035	Z6
Signal White		RAL 9003	Z7
Green		RAL 6018	Z8
Yellow		RAL 1003	Z9

Depth	
800	80
1000	10
1200	12

Width	
900	9
1000	10

Assembly Part No

XXXX	X	XX	XX	X	X	X	X	X	X
Series	Width	Depth	Height in U	Front Door	Back Door	Side Panel	Mounting	High Dencity Cable Frame Combination	Colour

Front Door

Perforated Door/ Flat	3
Glass Door	4
Metal Door/ Vented	5
Metal Door/ Plain	6
No Door	0

Back Door

No Door	0
Metal Cover	7
Back Section/100	8

Side Panel

Side panel/ Single/ Plain	1
Side panel/ Single/ Vented	2
Integrated Side Panel	3

Colour

Black	RAL 9004	Z0
Red	RAL 3001	Z1
Blue	RAL 5015	Z2
Orange	RAL 2000	Z3
Gray & Off White	RAL 7037 & 7035	Z4
Gray	RAL 7037	Z5
Off White	RAL 7035	Z6
Signal White	RAL 9003	Z7
Green	RAL 6018	Z8
Yellow	RAL 1003	Z9

Depth

400	40
500	50
550	55
600	60

Width

550	55
600	60

Assembly Part No

XXXX	X	XX	XX	X	X	X	X
Series	Width	Depth	Height in U	Front Door	Back Door	Side Panel	Colour