



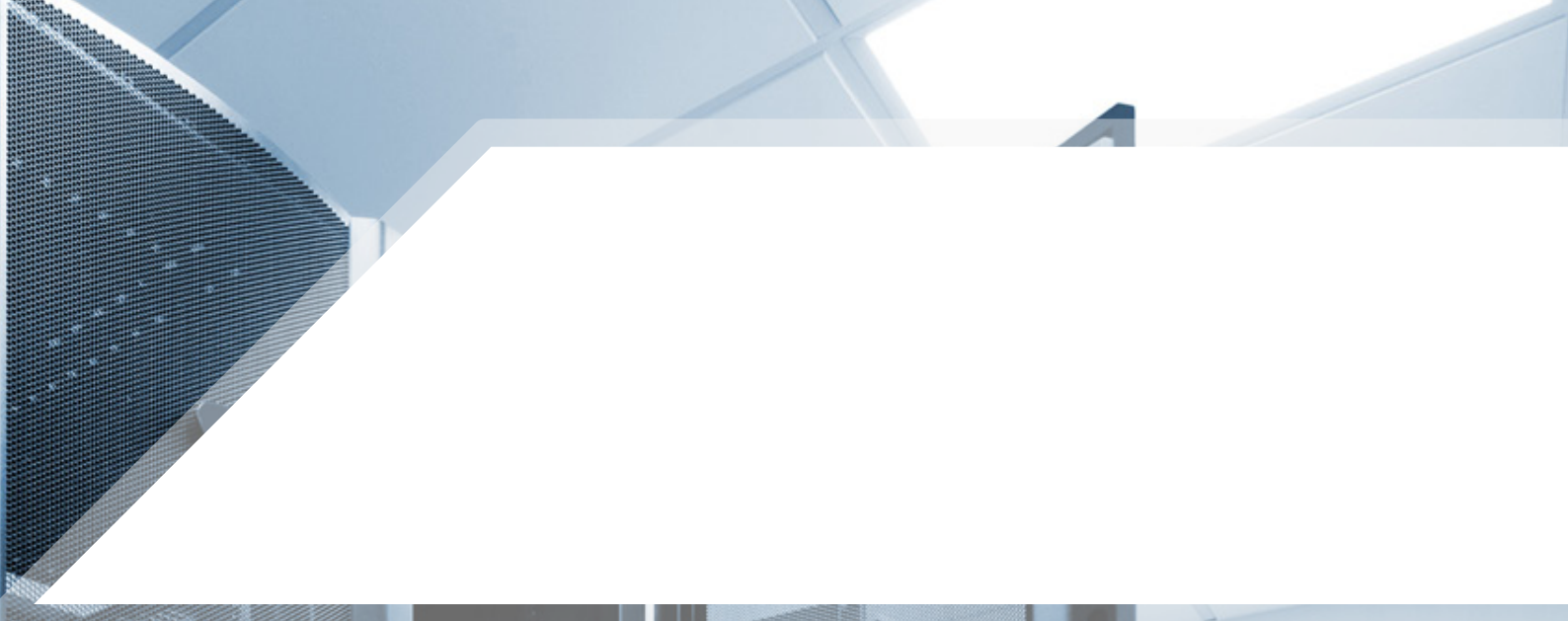
DataCenter Cabinets



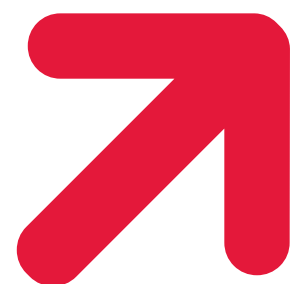


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**DATA CENTER
CABINETS**



DataCenter

For many years cabling standards have been corner stone of ensuring proper design, installation and performance of networks. Unfortunately data centers where designed in the absence of proper standards. TIA 942 Telecommunications Infrastructure standard for data centers is the first one specifically addressing data center infrastructure.

TIA 942 specifies site space and layout with specific functional areas, it specifies maximum backbone and horizontal cabling distances based on cabling media and applications to be supported. Separate pathways for different media and power cables for better cable management and bend radius protection.

Most significantly this standard specifies increase in air flow and reduction of heat generated by concentrated equipments. The standard states the cabinets and racks should be arranged in alternate pattern to create “cold” and “hot” aisles, increase air flow, blocking unnecessary air escapes, use of open racks instead of cabinets when security is of no concern. Row based cooling brings the source of cooling close to proximity of load, reducing energy required to deliver cold air.

Aisle Rack

CACS (Cold Aisle Containment System),

By using cold aisle containment system, the hot and cold air streams are separated; providing significant energy savings over traditional uncontained configurations. High energy costs and consumption rates have forced professionals to consider hot-air and cold-air containment strategies. Aisle containment allows uniform inlet temperatures and eliminates hot spots typically found in traditional uncontained data centers.

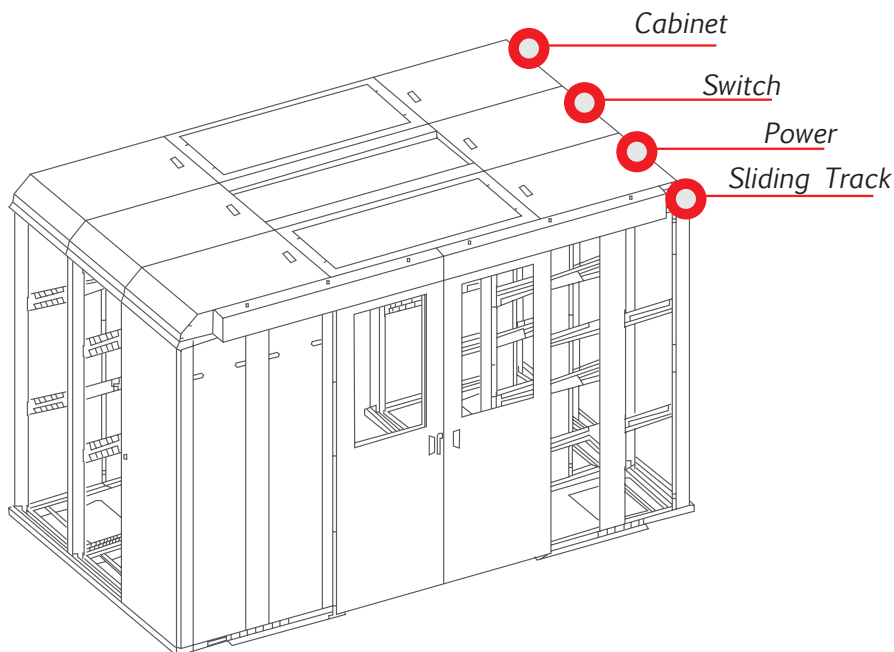
Aisle Cabinet comes with end-of-row dual sliding doors and ceiling panels that enclose the cold aisle between rows of DataCAB Cabinets to prevent mixing of cold and hot air, optimizing cool air delivery. Integral Low Profile Ceiling Structure reduces cooling energy costs.

Computer room air conditioning (CRAC) monitors and maintains the temperature, air distribution and humidity in the data center. CRAC units are replacing air-conditioning units that were used in the past to cool data centers due to higher efficiency and lower power consumption.



Specifications:

- Cabinets: compatible with 19" International Standards, ETSI, and other standards.
- Dimensions of cabinets: different dimensions for option, our standard dimension of cabinets are 800*1000*42U.
- Doors for cabinets: different lockable doors for option.
- Cooling system: 4-way fan unit and 6-way fan unit for option, order separately.
- Mounting rails of cabinets: zinc plated.
- Power solution: different PDUs for option, vertical installation or 19" installation, order separately.
- Cable managements: available at top and bottom of cabinets.
- Our standard main entry door : Top half is toughened glass door & bottom half is solid plate door.





Features

- Reversible arch mesh front door
- Reversible arch mesh rear door
- Removable side panels with side pins and side locks

Optional

- Cable entry at bottom and top with adjustable sizes
 - Full set of grounding kits
 - Flat packing recommend, to save shipping freight & warehouse cost, shipped in 2 or 3 carton boxes only
 - Quick assemble series, could build cabinet up less than 20 minutes
- Specifications:

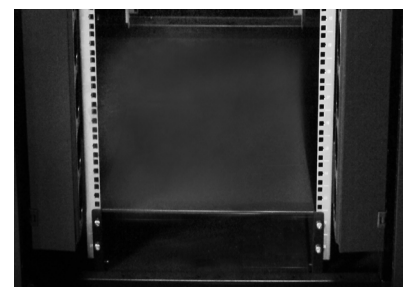
- Material: SPCC cold rolled steel
- Thickness: Mounting rails: 2.0mm; others: 1.2mm
- Surface finishing: Degreasing, pickling, phosphoric, powder coated
- Static loading capacity: 800kgs

Standards

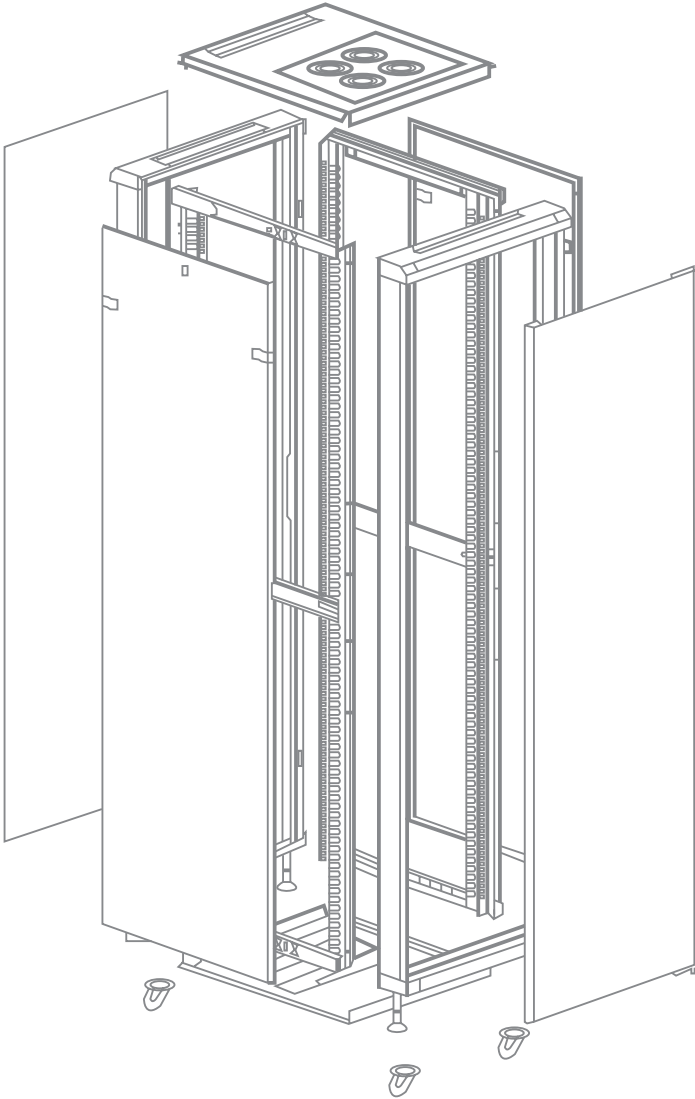
- ANSI/EIA RS-310-D
- IEC60297-2
- DIN41494, PART1
- DIN41494, PART7
- Compatible with 19" International Standards, ETSI



Optional (6 Way Fan Unit)



Aisle adjustment tray



Front door options:

- 1-1: toughened glass door
- 1-2: toughened glass door with net hole border
- 1-3: arch mesh door

Rear door options:

- 7-1: solid plate door
- 7-2: perforated door
- 7-3: arch mesh door

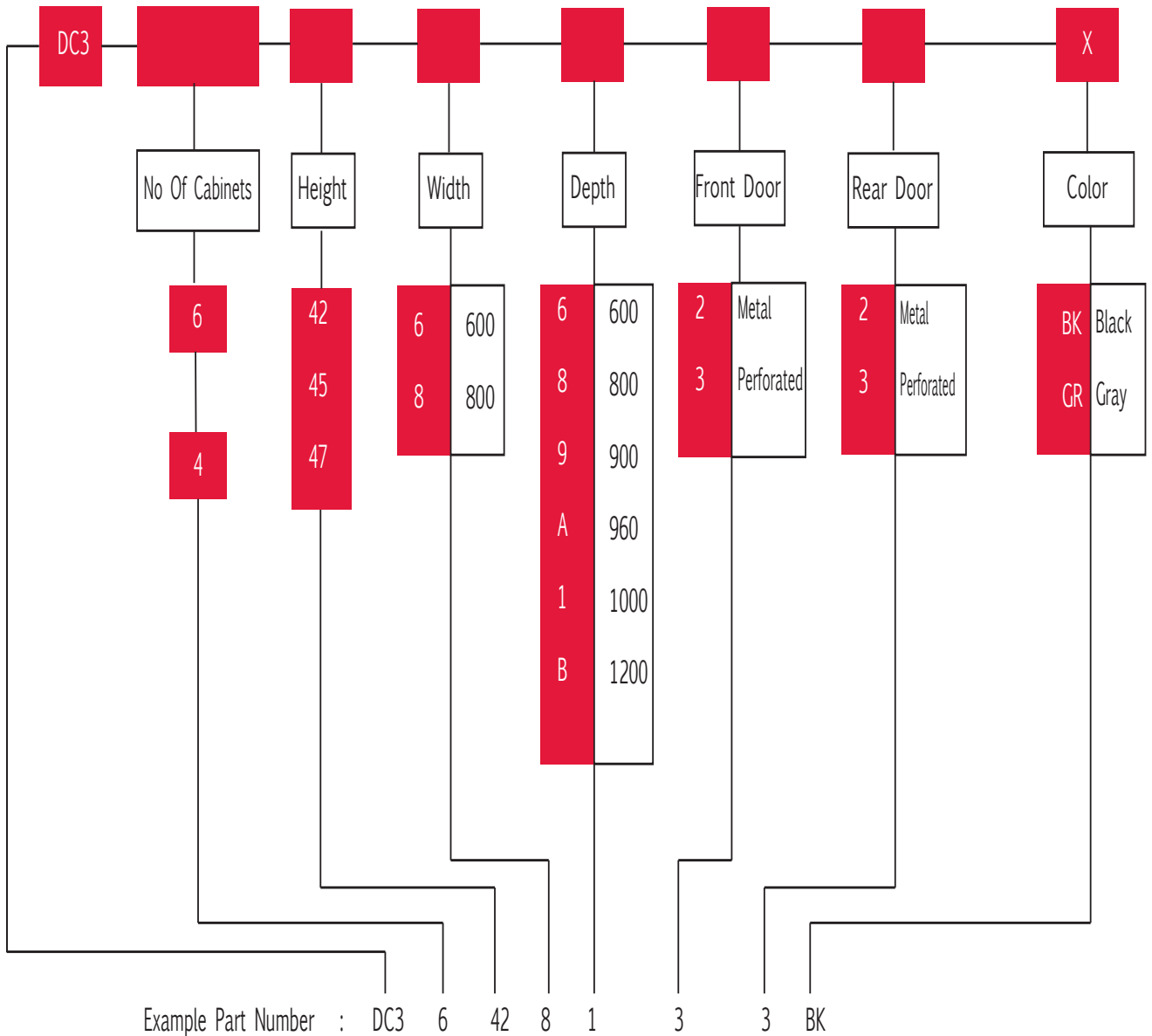
Other optional parts:

There are full sets of optional accessories, please find them in our accessories pages.

Main parts:

S/N	Specification	Qty	Unit	Material	Surface finishing	Remark
1	Arch mesh door (1-3)	1	pc	SPCC	Powder coated	Spring lock
2	Frame	2	pc	SPCC	Powder coated	---
3	Side frame	2	pc	SPCC	Powder coated	---
4	Side panels	2	pc	SPCC	Powder coated	---
5	Top	1	pc	SPCC	Powder coated	---
6	Mounting rails	4	pc	SPCC	Powder coated	
7	Arch mesh door (7-3)	1	pc	SPCC	Powder coated	Spring lock
8	Bottom	1	pc	SPCC	Powder coated	---
9	Adjustable feet and 2" wheels	4	set	SPCC	Powder coated	---
10	M6 screws and nuts	40	pc	---	---	20 sets for 33U lower

Part Number Generator



NextRack

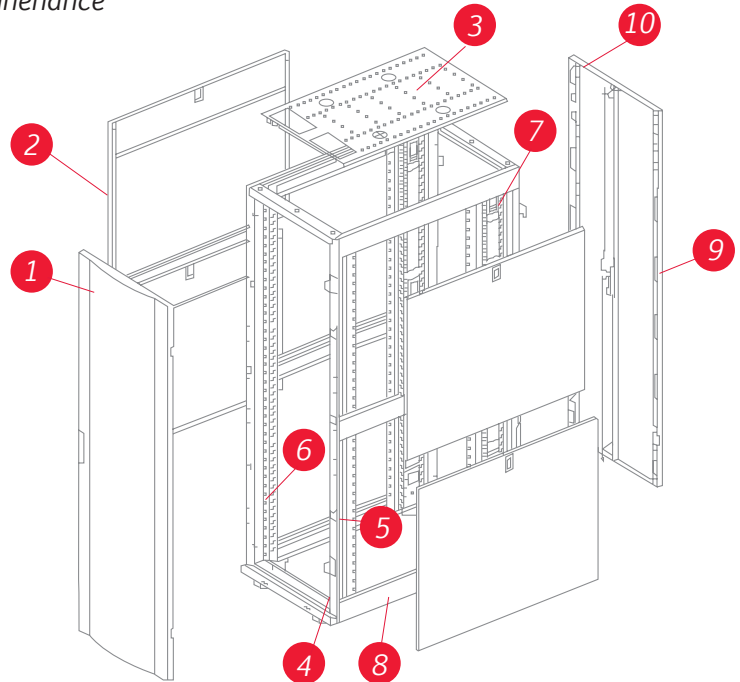
The DataCAB range of floor standing NextRack designed for communication rooms and data centers. The smart design and professional engineering provides easy installation and maintenance. Comply with ANSI/EIA RS-310-D, IEC 297-2, DIN 41491, PART 1, DIN 41497, PART 7, GB/T3047.2-92, ETSI standards.

Material	SPCC cold rolled steel
Degree of protection	IP20
Surface finish	Degreasing, phosphoric, powder coated
Loading capacity	1000 KGS
Material thickness	Mounting profile: 2.0mm angel: 1.5mm, Other: 1.2mm



Features

- Intelligent design ensures easy installation
- Cable entry through bottom and top panel
- Removable side panel provides easy maintenance
- 180 degree turning angle for front door
- Divided side doors & rear doors provides easy maintenance
- Toughened glass door
- 19" installation
- Adjustable feet and heavy duty castors
- Plinth and rack fans are optional



Structure

- | | | | |
|-----------------------------|----------------------------|------------------|-------------------|
| 1. HD Ventilated Front door | 2. Divided Side door | 3. Top Cover | 4. Mounting frame |
| 5. Rail right | 6. HD Ventilated rear door | 7. Cable Manager | 8. Beam |
| 9. Perforated Rear Door | 10. Divided rear door | | |



Front View



Back View

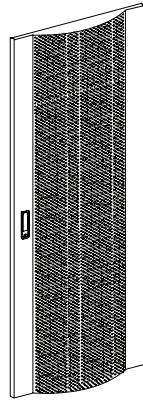


Side View

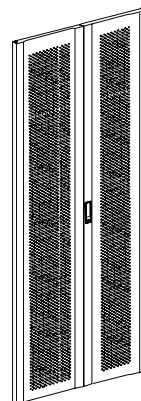


Top View

Door Option



Front Perforated



Back Perforated Divided

Accessories

ACCESSORIES	MATERIAL OF CONSTRUCTION	SURFACE COATING & COLOUR	QUANTITY
Top cover	1.2mm SPCC cold rolled steel	Powder coating	1 piece
Spring Lock with 2 keys	-	Black	1 piece
Mounting Angle, 4 Pcs for lower 32U	1.5mm SPCC cold rolled steel	Powder coating	6 piece
Perforated front door,	1.2mm Front Perforated door/SPCC cold rolled steel	Powder coating	1 piece
2" heavy duty castors	-	-	4piece
Mounting Profile	2.0mm SPCC cold rolled steel	Powder coating	4piece
Small round Lock with 2 keys	-	Nickel coating	1 Piece
Frame	1.2mm SPCC cold rolled steel	Powder coating	2piece
M6 Square nut, 40 sets for upper 32U	steel	Zinc colour	20piece
M6 B head screw, 40 sets for upper 32U	steel	Zinc colour	20 piece
Side Panel divided ,4pcs	1.2mm SPCC cold rolled steel	Powder coating	2 piece
Perforated double rear door,round venter	1.2mm SPCC cold rolled steel	Powder coating	1 piece
Bottom panel	1.2mm SPCC cold rolled steel	Powder coating	1 piece
Allen wrench	steel	Black colour	1 piece
M12 adjustable feet	-	-	4piece

Ordering Information

PART NUMBER	DESCRIPTION	CAPACITY (U)	DIMENSION (W X D X H) MM
600 x 800 Size			
1320-256834X	25U 600 x 800 Front Perf / Back Perf Divided Door	25	600 x 800 x 1236
1320-426834X	42U 600 x 800 Front Perf / Back Perf Divided Door	42	600 x 800 x 2055
1320-486834X	48U 600 x 800 Front Perf / Back Perf Divided Door	48	600 x 800 x 2259
600 x 1000 Size			
1320-256134X	25U 600 x 1000 Front Perf / Back Perf Divided Door	25	600 x 1000 x 1236
1320-426134X	42U 600 x 1000 Front Perf / Back Perf Divided Door	42	600 x 1000 x 2055
1320-486134X	48U 600 x 1000 Front Perf / Back Perf Divided Door	48	600 x 1000 x 2259
800 x 800 Size			
1320-258834X	25U 800 x 800 Front Perf / Back Perf Divided Door	25	800 x 800 x 1236
1320-428834X	42U 800 x 800 Front Perf / Back Perf Divided Door	42	800 x 800 x 2055
1320-488834X	48U 800 x 800 Front Perf / Back Perf Divided Door	48	800 x 800 x 2259
800 x 1000 Size			
1320-258134X	25U 800 x 1000 Front Perf / Back Perf Divided Door	25	800 x 1000 x 1236
1320-428134X	42U 800 x 1000 Front Perf / Back Perf Divided Door	42	800 x 1000 x 2055
1320-488134X	48U 800 x 1000 Front Perf / Back Perf Divided Door	48	800 x 1000 x 2259
800 x 1200 Size			
1320-258B34X	25U 800 x 1200 Front Perf / Back Perf Divided Door	25	800 x 1200 x 1236
1320-428B34X	42U 800 x 1200 Front Perf / Back Perf Divided Door	42	800 x 1200 x 2055
1320-488B34X	48U 800 x 1200 Front Perf / Back Perf Divided Door	48	800 x 1200 x 2259

X = Color Bk = Black , Gr = Gray



Dual Rack

Norden DataCAB rack is designed to efficiently manage high density equipment datacenter leveraging high capacity vertical space between and at the ends of dual rack.

The extra space available with reduction of horizontal cable management free more space for higher number of active and passive equipments,giving them higher scalability and manageability than traditional cabinets.

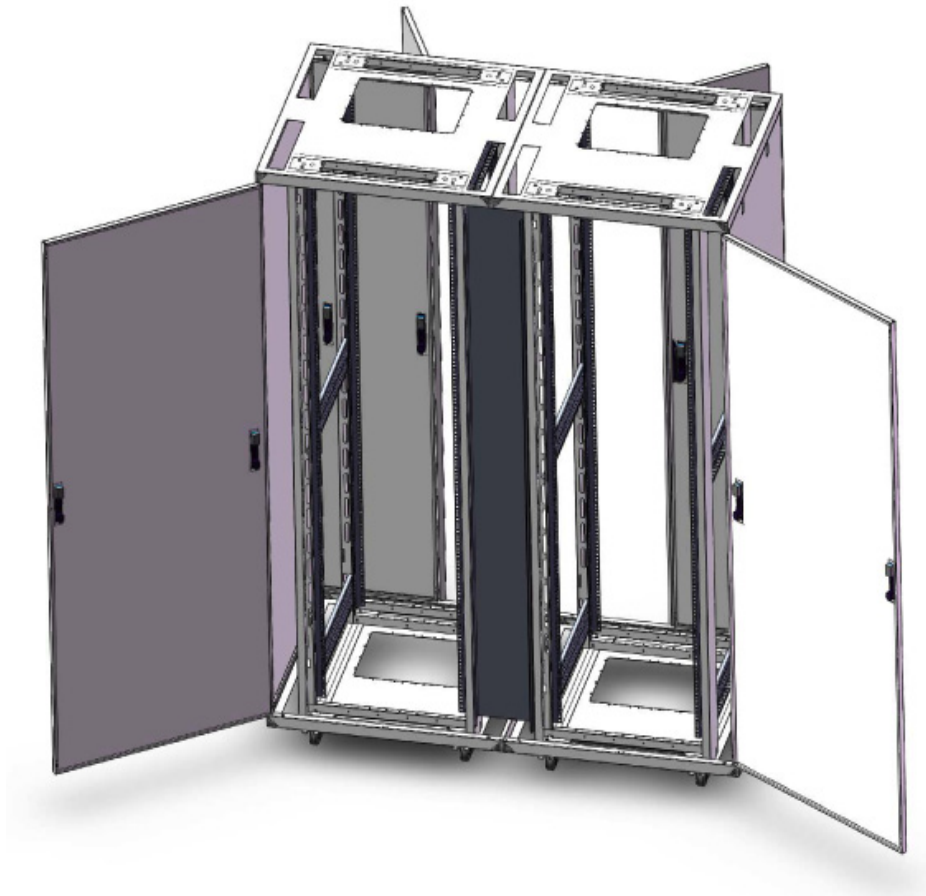
Rear split doors provides direct access to patching and equipment areas. Multiple openings on top allow efficient cable routing access. An open floor design enables a high - capacity pathway for under-flow conveyance configurations. This design enables maximum air flow from under and side of the cabinet.

The smart design and professional engineering provides easy installation and maintenance. Comply with ANSI/EIA RS-310-D; IEC60297-2; DIN41494, PART1; DIN41494, PART7; ETSI.

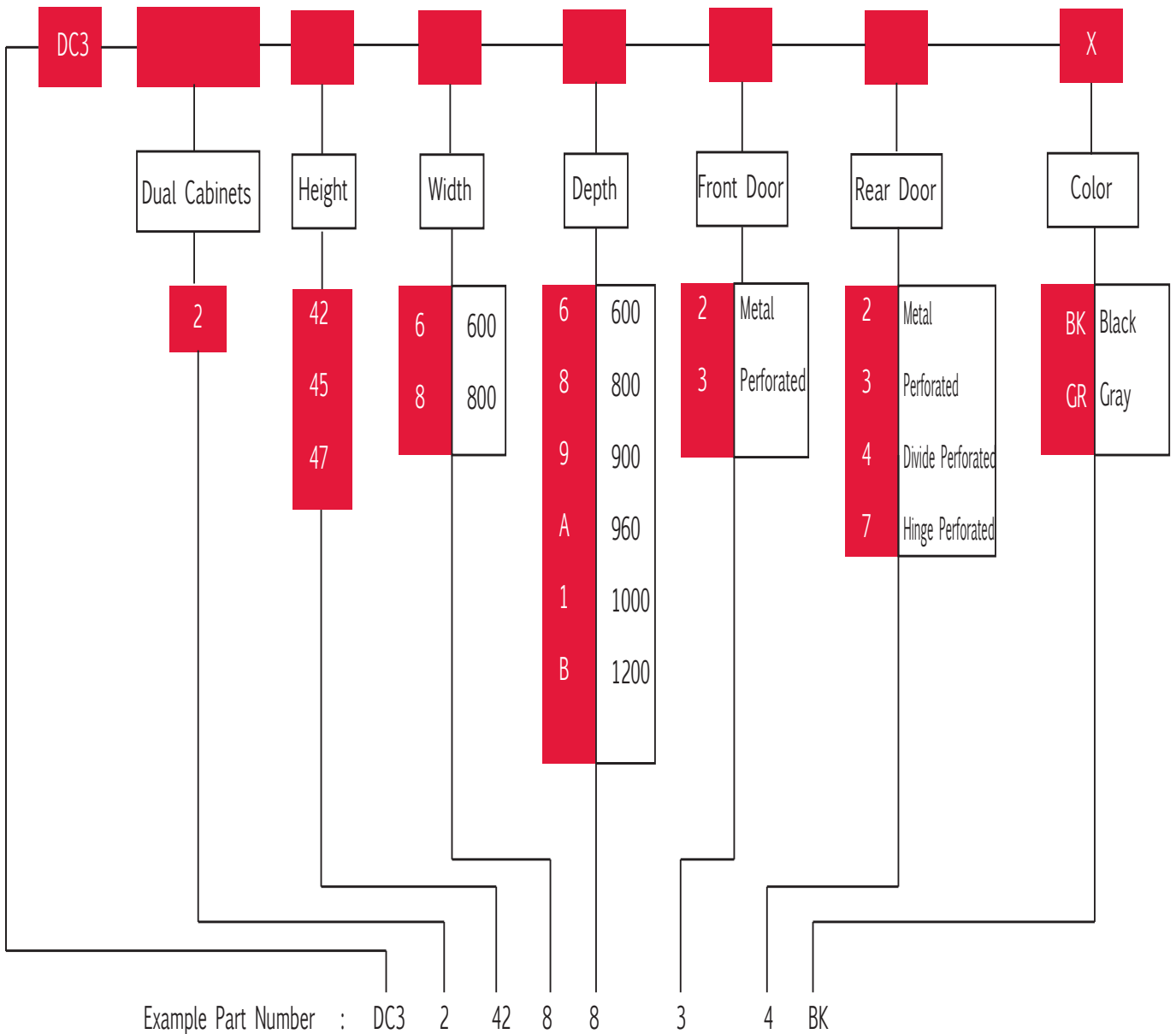
Specifications:

- *Material:* SPCC cold Rolled Steel
- *Thickness:* mounting rails: 2.0mm
other parts: 1.2mm
- *Color:* Ral9004
- *Loading capacity:* Each cabinet is 800kgs
- *Cabinet Standards:* ANSI/EIA RS-310-D; IEC60297-2;
DIN41494, PART1; DIN41494, PART7; ETSI
- *Surface finishing:* Degreasing, phosphoric, powder coated

- *All the cabinets could be shipped in flat packing to save the shipping volume.*
- *Different PDUs are available for data center and dual cabinets.*
- *Zinc plated mounting rails.*
- *4 way fan unit available for dual cabinets.*
- *Vertical cable management slots with caps for cabinets.*



Part Number Generator



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