DATA CENTER SYSTEMS

AGER Data Center cabinets specifically designed for improving your data center infrastructures based on:

- Efficient cooling performance
- Flexibility on cabling variations and IT equipment layouts.
- Stability on very high loading capacity demands and seismic zone requirements
- Compatibility to Hot Aisle - Cold Aisle or Stand-alone infrastructures
- High Scalability for near or far future demands.

Various sizes are available for width : 600 / 800 mm ; height : 42U / 45U / 47U ; depth : 1000 / 1200 mm. AGER Datacenter cabinets have an aesthetic appearance with their curved and high ventilation ratio perforated door structure. Various front and rear door options are also available according to your request. Main colour options, RAL 9005 Black and RAL 7035 Light Grey.

AGER RACK CABINET

- Ergonomic and modern design for new-gen datacenter infrastructure
- High stability frame construction for Static loading capacity up to 1.500 kgs.
- Mounting rail positions are adjustable on depth direction for flexible equipment mounting.
- Max. Space for server equipment allocation and efficient ventilation
- IP20 protection level (acc. EN 60529)
- Doors are 80% perforated for optimized air circulation and high cooling efficiencies
- High opening stroke 180°on doors for easy installation , runtime and breakdown maintenance. (Standalone condition; for side by side joint : 165°)
- Standard Sizes :
  Height : 42U - 45U -47U
  Width : 600mm - 800mm
  Depth :1000mm - 1200mm
  Project based special sizes are possible.
- Compatible for Hot Aisle - Cold Aisle and standalone configurations.
- Flexible cable routing and fixing options at top,bottom and inside of cabinets.
- Compatible for all types mechanical and electronic type locking systems.
- Multiple accessory options for top-zone and internal zone cable management ; air flow management.
- Maximum safety for user and minimum earthening resisance for equipments on electrical continuity.

AGER RACK CABINET

COMPATIBILITY CHART	
EN 60950-1	Information technology equipment - Safety Part 1: General requirements - CE compatibility
EN IEC 62368-1	Audio/video, information and communication technology equipment Part 1: Safety requirements
UL 60950-1- UL2416	Information Technology Equipment - Safety - Part 1: General Requirements - UL compatibility
EN 61587-1	Mechanical Structures For Electronic Equipment - Tests For IEC 60917 And IEC 60297 Series - Part 1: Environmental Requirements, Test Set-Up And Safety Aspects For Cabinets, Racks, Subracks And Chassis Under Indoor Conditions
2011/65/EU	The restriction of the use of certain hazardous substances in electrical and electronic equipment, RoHS
EN IEC 60068-3-3	Environmental testing - Part 3-3: Supporting documentation and guidance - Seismic test methods for equipment
EN 61587-1/4.2, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-30	Climatic and environment
EN 61587-1/5.2.1	Static Mechanical Load Lifting
EN 61587-1/5.2.2	Static Mechanical Load Stiffness
EN 61587-1/5.3.1 EN 61587-1/5.3.3, IEC 60068-2-6, IEC 60068-2-27	Dynamic Mechanical Load Vibration and Shock, Impact
EN 61587-1/6.2	Earth Bond
EN 61587-1/6.3	Flammability
EN 61587-1/6.4	Degrees Of Protection Provided By Enclosures (Ip Code): IP20
EN 13501-1+A1 (Paint unflammability)	"Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests. Paint unflammability Classification: A2-S1,d0"
EN 13501-1+A1 (Polycarbonate closure unflammability)	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests. Polycarbonate closure unflammability Classification: B-S1,d0
EN 12150-1	Glass in building. Thermally toughened soda lime silicate safety glass Definition and description : Antistatic, edge grinded, tempered glass
EN IEC 60297	"Mechanical structures for electrical and electronic equipment. Dimensions ofmechanical structures of the 482,6 mm (19 in) series"
EN IEC 60917	Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard
EIA/ ECA-310 (D/E)	19" 482,6 mm and U 44,45 mm Height Sizing
EN ISO 9227	Corrosion tests in artificial atmospheres - Salt spray tests
EN ISO 2409	Paints and varnishes - Cross-cut test
TS 2311 EN ISO 2178	Non-magnetic coatings on magnetic substrates Measurement of coating thickness - Magnetic method
DIN EN 10130 - DC-01 6112 or 7122	Cold rolled low carbon steel flat products for cold forming. Technical delivery conditions
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933 - EN ISO 2081	"Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel (screw, nut, washer,etc)"

Production Facility Standards	
ISO 9001:2015	Quality Management System
ISO 14001:2015	Environmetal Management System

CABINET STRUCTURE

AGER DC cabinet strength is based joining welded front and rear frames with strong multibended depth profiles. Multibend depth profiles fixed to front and rear frames with high quality steel fittings.AGER DC Special design frame is an ideal solution for safely mounting of your heavy equipments up to recommended loading capacity.

Cabinet frames can be mounted side by side. Cabinets are suitable for offices, system rooms,datacenter aisle containments for network, server or cabling purposes. DC cabinets are compatible with all types and brands of 19" network server devices and accessories.

Thanks to easily removable side panels, front and rear doors, top and bottom covers ; full easy access from any direction can be provided during installation, maintenance and repair.Wide internal volume provides various types of cable and wire management for all devices and equipments.

All panel, door and accessory options can be easily applied based on customer demands.Panels and doors are lockable and can be managed with same key pattern.

FRONT DOORS

AGER Datacenter cabinet standard front door option is 80% perforated and curved.

Hexagonal shaped holes with 80% perforation provides maximum air-flow for ventilation, while its double-sided full length welded structure provides extra strength to door frame.
Curved structure provides extra strength , aesthetic appearance to perforated zone.Curved zone also provides extra space for internal equipments front panel add-ons or accessories.

Swing handle lock with 4-point locking mechanism helps for maximum sturdiness and security.

The front doors with a spring hinge system provide ease of installation and use, as they can be easily disassembled and attached without tools when needed.

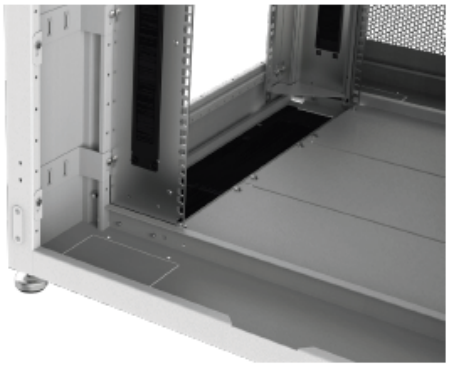
REAR DOOR

AGER Datacenter cabinet standard rear doors have 80% perforation ratio.Vertically divided and flat structure provides minimum space demand between any wall or obstacle to cabinet.

Hexagonal shaped holes with 80% perforation provides maximum air-flow for ventilation.

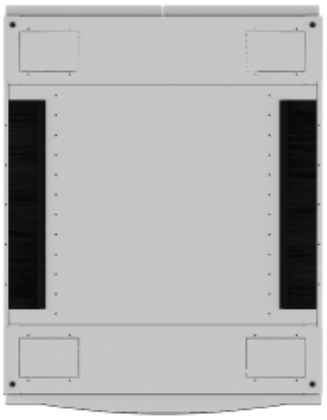
The hinged structure of vertically split rear double doors allows you to open rear doors easily in narrow spaces and access to the cabinet.

Swing handle lock with 3-point locking mechanism helps for maximum security.



BOTTOM & TOP ACCESS POINTS

There are four micro-joint cutouts in corners of each top and bottom frames with 100 x 150 mm space.These points can be used as inlet or outlets for any cable plug or suitable equipments. These spaces can be closed with brush accessories for protection against dust or solid contaminations.

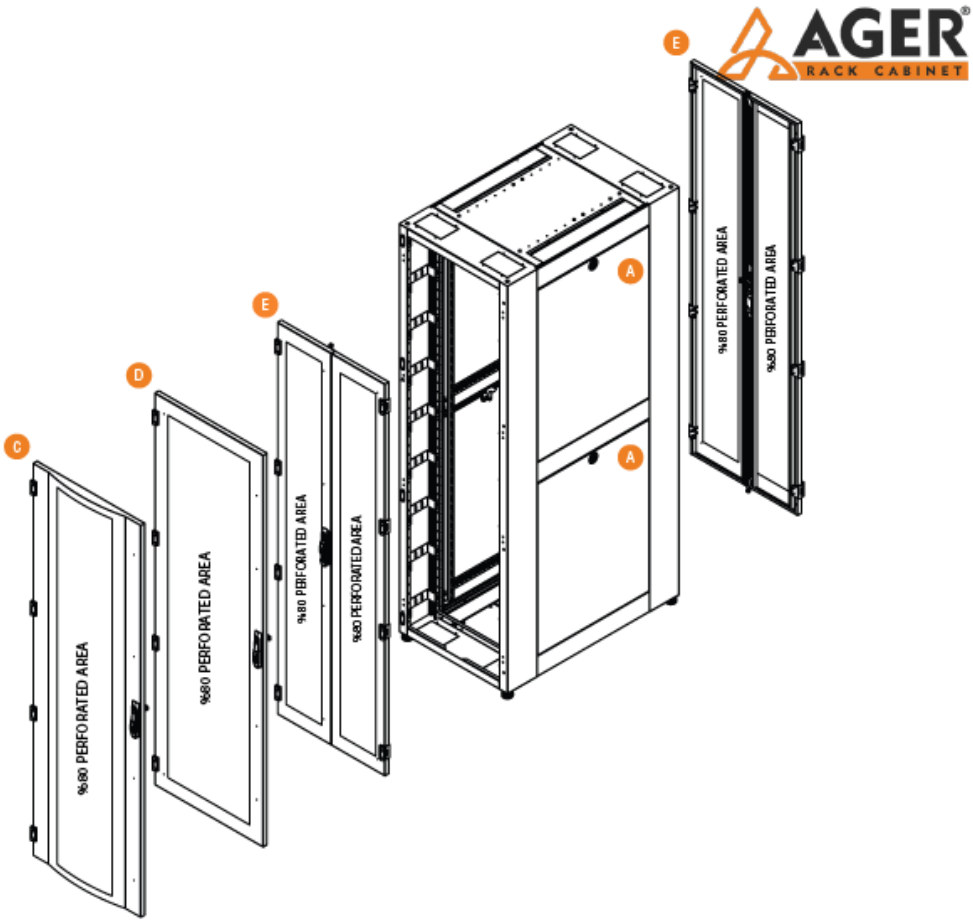


There are brush cable entry spaces located as left and right on both top and bottom frames.These large entry spaces provides high amount of cable passage or big sized plugs or accessories .

Divided blank panels are provides protection against bottom interventions, can be removed if any inlet needed.Also can be manually processed to add cable glands or any other hole passages..

U MARKING

U height marking is applied as serigraphy to the mounting rails of the cabinet which helps to index of the devices mounted in the cabinets. These markings are also helpful to mount your euipments in proper positions and preventing risks of left and right misalignments during installations.



1. Company product coding system's initial character is AG that stands for ...

2. Product Series Code. DC free standing cabinets.

3. Numeric Character defining the height of the cabinet. Depending on model differences, between 42 to 47 height variety available. U Height Alfanumeric. Notation is fixed, not editable. 1U is 44.45mm.

4. The First two Digits of the width information. 60 for W=600 cabinets, 80 for W:800mm cabinets.

5. The First two Digits of the depth information, 10 for D:1000mm cabinets, 11 for D:1100mm cabinets, 12 for D:1200mm cabinets.

6. Colour Codes. B1 for Light Gray RAL 7035 and S1 for Black RAL 9005.

7. Front door variation number.*

8. Rear door variation number*

9. Right Side Panel variation number.*

10. Left Side Panel variation number.*

11. Version information. A- Standart version. The version is changed alphabetically when any alteration made to the cabinet

12. Indicate how the cabinets' shipped. M1 for assembled and D1 for flat pack.

***YOU CAN CHECK THE DOOR OPTIONS FOR DOOR AND PANEL OPTIONS...**

Free Standing DR Series Door Options.

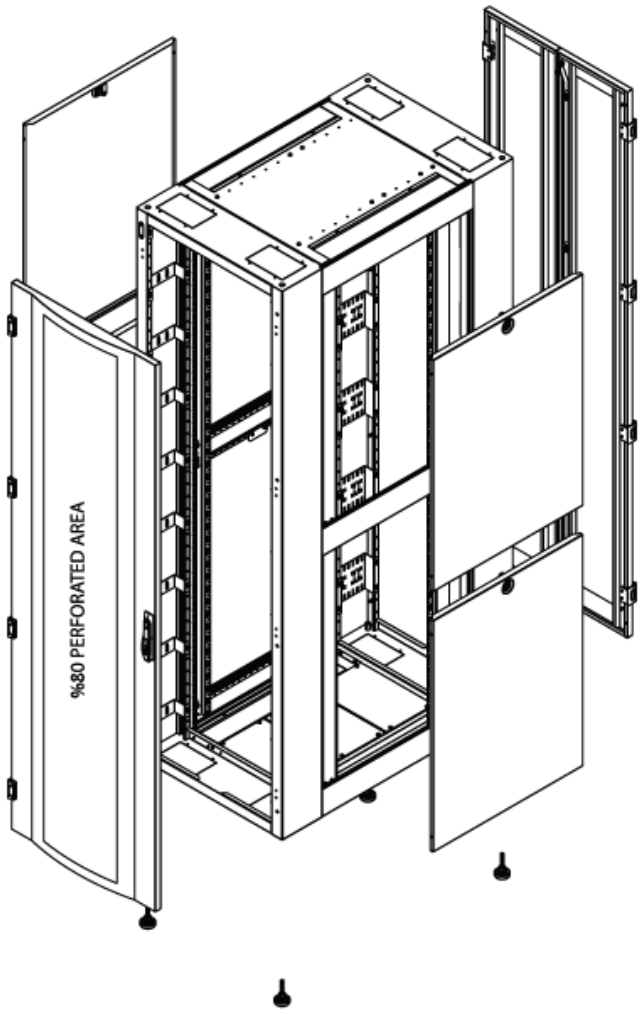
A Single Opening, Flat Shaped,Solid Metal,Snap Locking and Single point Locking with Barrel Lock, Panel.

C Single Opening, Curved, %80 Perforated Front Door, 4 Point Locking with Swing Handle.

D Single Opening, Flat Shaped, %80 Perforated Front Door, 4 Point Locking with Swing Handle.

E Double Opening, Flat Shaped, %80 Perforated Front Door, 3 Point Locking with Swing Handle.

AGER
RACK CABINET



Material
• 1,5 mm DKP

IP Classification
• As a standard IP20
• IP40 when solid matel panel applied for all access

Loading Capacity
• Recommended up to 1500 kg Loading capacity

Side Panels
• Locking system is available, side panels are removable.

Doors
• Door options are available.
• Front door 4 point locking system and Rear Door 3 point locking system
• Doors can be opened to 180 degree.
• Doors can be opened to left or right direction

Mounting Rails
• 19" Mounting rails; adjustable in depth of the cabinet
• 1.5mm DX51D galvanic

Bottom Sheet
• It can be used completely open as well as detachable blank panels in standard configuration.

Ground Contact
• Caster and levelling feet options are available
• Plinth is available as an option.

Top Sheet
• Fan module is avaible as an option.

Color Options
• RAL9005 Black
• RAL7035 White