

OLIrack®

- SERVER AND NETWORK FLOOR-STANDING RACK CABINETS
- CO-LOCATION FLOOR-STANDING RACK CABINETS
- AISLE CONTAINEMENT

OLIrack® DATA CENTER SOLUTIONS



OLIVETEL SA

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OLIRACK - DATA CENTER SOLUTIONS

General Information, Standards and CE Compliance

INTRODUCTION

With over two decades of evolution, due to the ongoing experience with IT Designers, IT Service Integrators and Data Center Managers, our **OLIRACK DATA CENTER** range was designed to meet the current requirements of these demanding spaces, according *Telecommunications Industry Association TIA-942* standards and the best practice of Data Center design and implementation **BICSI** (*Building Industry Consulting Service International*).

The design, the functional characteristics, the construction plans and manufacture of **OLIRACK DATA CENTER cabinets** were designed and planned to Data Center Managers and Data Center Operators that are increasingly faced with the efficiency and pressure to reduce inherent operating costs.

We are proud and aware that **OLIRACK DATA CENTER Cabinets** are installed in a large number of data centers, accommodating equipment and priceless systems for our customers, we agreed to its construction in strict criteria of quality, efficiency and flexibility, which can be integrated into a wide range of options and accessories.



STANDARDS AND CE COMPLIANCE

- 19" according EIA 310 D / DIN 41 494 / IEC 60 297
- IP20 according DIN 400 50 / IEC 60 529
- European directives 2014/35/CE (Low Voltage Electrical Equipment)
- European directives 2014/53/CE (Telecommunication Terminal Equipment)
- According TIA-942 *Data Center Standards* and BICSI *Data Center Design and Implementation Best Practices*.

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Range and Configurations

ALIGN THE SETTINGS TO REAL CABINETS LOAD REQUIREMENTS NEEDS, RESULTS IN SIGNIFICANT SAVINGS

According to demonstrated experience, we know that in the Data Centers, the concentration of equipment and load requirements per rack / cabinet is quite different, obviously, depending on their content and function. In a context to optimizing your investment, before choose and purchasing new cabinets, a proper needs assessment can achieve a real and significant savings.

Knowing that, the requirements of the racks / cabinets to accommodate servers / blades are different from requirements to accommodate other types of equipment and technology also important to operation, these equipment requiring a real less load requirements, so, you don't need to oversize your project to meet real needs. You don't need increasing unnecessary costs.

In this context and in order to enable a more assertive and rational choice to our Clients, OLIVETEL SA is the first manufacturer to include in its OLIRACK DATA CENTER range, different options to cabinets loads requirement, namely with 800kg and 1300kg, allowing our Clients achieve a considerable savings according to their real needs.

In addition to the presented compositions, you can select other appropriate settings to your needs.

DIMENSIONS TO MAXIMUM STATIC LOAD 800KG AND 1300KG

U's	Height (mm)	Width (mm)		Depth (mm)		
42	1969	600	800	1000	1100	1200
47	2191	600	800	1000	1100	1200

** For different dimensions please contact us **

CONFIGURATION WITH:

- Perforated Doors with perforated area higher than 80%
 - Single and/or Double
- Access Control Options
 - Card / Key Code
 - Biometric



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BASIC CONFIGURATION TO MAX. STATIC LOAD OPTIONS (800KG AND 1300KG)



- **(1x)** Chassis structure prepared to Max. Static Load 800Kg or 1300Kg
- **(1x)** Top Module w/ configurable pre-cuts to several options (Cable Routing, Forced Ventilation System, Brush Cover and more options)
- **(1x)** Open bottom module to cable inlet
- **(4x)** Vertical Metallic Pilasters prepared to PDU's application
- **(1x)** Perforated frontal single door (**perforation area higher than 80%**) w/Lock, Rotating handgrip and key
- **(2x)** Perforated rear double doors (**perforation area higher than 80%**) w/Lock, Rotating handgrip and key
- **(2x)** Removal Side Panels w/Lock and keys. Models w/depth 1200mm have partial opening (two parts).
- **(4x)** 19" Vertical Numbered Rack Mounting Profiles w/adjustable depth system. Numbered Left Profiles (front and rear) w/ upwards crescent numeration 1 to 42 or 47 and Right Profiles (front and rear) w/horizontal marking
- **(4x)** Adjustable height levellers
- Colors: Anthracite similar RAL 9005 or (Option: RAL 7035)



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KEY FEATURES AND GOOD PRATICE FOR A TRUE EFFICIENCY

In tune with the Telecommunications Industry Association (TIA) ANSI / TIA-942-A requirements, the OLIRACK DATA CENTER enclosures incorporate in its base version a set of features that ensure and contribute to a genuine energy efficiency.

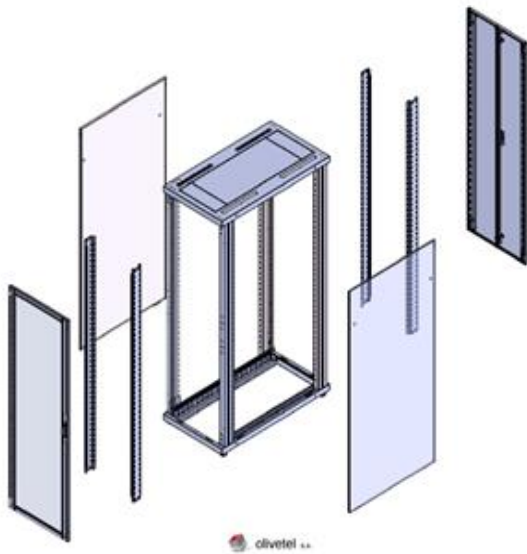


In addition to the aforementioned characteristics, the perforation of the doors, are a high importance componente in the energy efficiency. With a higher perforation rate higher than 80%, the doors of the OLIRACK DATA CENTER enclosures guarantee in any type of installation a large air flow, thus reducing the effort of forced cooling and the associated energy costs.

On the other hand, the verified strength of these doors is given by the manufacturing process in mono perforated block which ensures a constant and continued use without warping, usually checked in doors that using a different manufacturing process, incorporating a welded grids in the structure.



Additional details and features of basic composition



CHASSIS

- Prepared to max. Static load 800Kg or 1300Kg.
- Pilasters prepared to PDU's application of different brands
- Prepared to Rowed cabinet installation

TOP MODULE

- Pre-cuts prepared to several accessories (Cable Routing, Forced Ventilation System, Brush Cover and more options)

BOTTOM MODULE

- Full Open to cable inlet

DOORS

- Perforation area higher than 80%
- Easily removable with sprint hinge system
- Reversible, Allows reverse door assembly with opening onto both sides



REAR AND SIDE PANELS

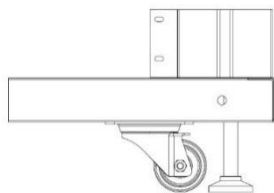
- Removable with quick release system
- Partial opening (two parts) to 1200mm depth Cabinets

RACK PROFILES

- Numbered and depth adjustable

LEVELLERS

- Height adjustable. Coexistence option with wheels to moving the units.



For more information please check and download datasheet in our web site [HERE](#)

OLIRACK - DATA CENTER SOLUTIONS

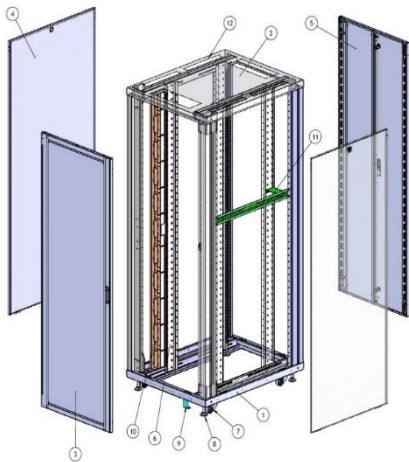
Flexibility, Productivity, Quality and Safety

In the installation projects context, time is a determining factor as well as the quality of components that are handled. All models were conceived and designed to archive the most productive and safe handling installation of the equipment. For this purpose, are contemplated in OLIRACK DATA CENTER range a huge technical expertise that are the result of more than 20 years of experience to provide a critical installation projects.

FLEXIBILITY AND OPTIONS

To meet your target, OLIRACK DATA CENTER allows you to do several settings according to your real needs. You can opt for tempered glass doors, front and / or rear double doors and use a wide range of options and accessories.

CHOOSE YOUR OWN CONFIGURATION



If the BASE CONFIGURATION not meet your needs, define your own configuration. The modular characteristics of OLIRACK DATA CENTER cabinets allow a wide range of different compositions, which may be incorporated changes for your project or facility.

This unique flexibility of **OLIRACK DATA CENTER Cabinets**, assure to Data Center Managers and Services Integrators, that they are in presence of a product, whose features were designed to achieve productivity gains and a real day-to-day efficiency.

QUALITY AND SAFETY GUARANTEE

- All components (Doors and Panels) with earth connectivity to the chassis, with terminal connection system.
- All components with surface epoxy-polyester interior textured polymerization finishing, designed to industrial applications, which confers a high mechanical strength, excellent protection of steel with safe and pleasant to handle.
- Totally free from hazardous materials, manufactured according European Directive

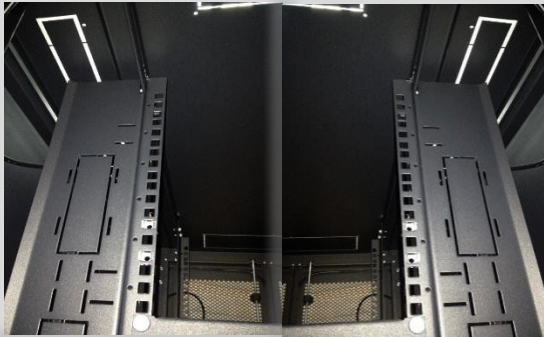


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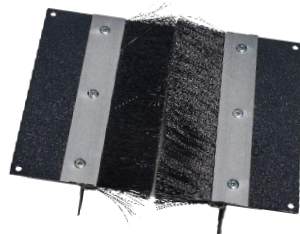
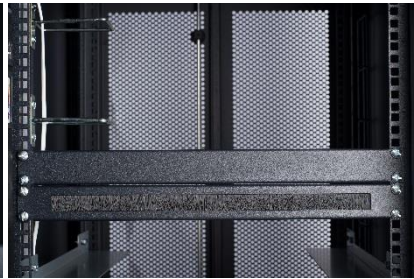
Some illustrative images of OLIRACK Configurations and Installations



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Scalability and Accessories

The ability to adapt and update your installation was thought out and planned in the design and manufacture. There is a wide range of OLIRACK accessories that allow you to adapt and improve your installation according to your needs

- Air deflector with cable guide
- Wheels (50mm diameter size)
- Brush Cover to cables;
- Ventilation Systems
- Fire extinguishing systems
- Access Control System (Individual or Group) with RFID, Card or Biometric Solutions
- Pedestal Bases
- Fix and Slide Shelves
- Fix and Slide Trays
- Fix and Slide Drawers
- Dummy Panels
- Lighting Kits
- Basic or with integrated monitoring systems PDU´s
- Adapters to several brands of PDU´s
- Power strip simple, with circuit-breaker, with control switch
- Cable Guide to doors and rear panels
- Etc.

For a better understanding of existing solutions, we recommend you to check the [Accessories Table](#) in our website or please, contact us.



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More Data Center Solutions

CO-LOCATION FLOOR-STANDING RACK CABINETS WITH INDEPENDENT AND PRIVATE SECTIONS

OLIRACK CO-LOCATION FLOOR-STANDING CABINETS with fully independent sections with own routing cabling by section, which allows you to install multiple Clients systems, ensuring a reserved, personalized and private access.

This **OLIRACK** solution was developed thinking in Personal Hosting Services to accommodate small / medium systems for Clients that prefer or require a personal technical spot with limited and controlled access.

With this solution, the hosting service will be made also to several Clients, but with the multiple Client equipment and devices in the same cabinet, in separate and completely independent and private sections. In these cabinets, individual access control systems can be installed per section / per door ensuring that the access to each cabinet door is restricted and controlled.

2, 3 and 4 Compartment Co-Location Floor-Standing Cabinets

The range of **OLIRACK CO-LOCATION FLOOR-STANDING CABINETS** includes three standard models with 2, 3 and 4 independent sections. For different configurations please contact us.

For more information please contact us or check our web site [HERE](#)



Standard and Basic Solution 2 and 3 Sections Example



** Customized options 8 Sections Example **

OLIRACK - DATA CENTER SOLUTIONS

BASIC CONFIGURATION OF CO-LOCATION FLOOR-STANDING RACK CABINETS



CHASSIS

- Prepared to 2, 3 or 4 independent sections
- Independent cable routing per section
- Independent and private access to each section
- Allows Rowed Cabinet installation
- With M5 screw thread earth connection with easy connecting link to doors and panels.

TOP MODULE

- Pre-cuts for ventilation, cable inlet and accessories integration

BOTTOM MODULE

- Pre-cuts to cable inlet

DOORS

- Perforated frontal and rear doors w/lock and keys
- Perforated doors with **perforation area higher than 80%**
- Easily removable with sprint hinge system
- Reversible, Allows reverse door assembly with opening onto both sides

SIDE PANELS

- Easily removable with lock and keys

19" RACK PROFILES

- Adjustable depth system

LEVELLERS

- Adjustable Height levellers.

MANUFACTURE OPTIONS

Alternatively, the integration of glass doors, whole metal doors without perforation, custom doors coded lock, height 100mm pedestal, wheels kit, is possible.

It is also possible to make different compositions with sections greater than 4. In this case, a preliminary analysis to customize requirements check list should be done by our technical department.

OLIRACK - DATA CENTER SOLUTIONS

DIMENSIONS OF CO-LOCATION FLOOR-STANDING RACK CABINETS

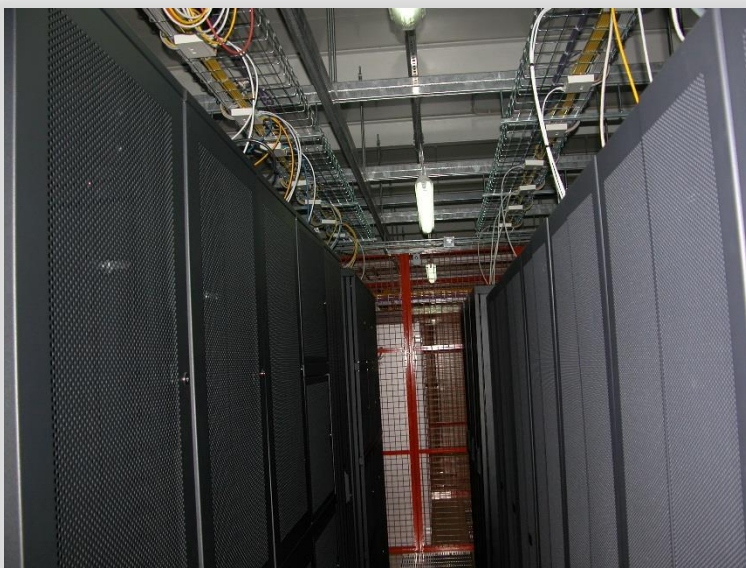
In order to provide you an accurate idea of the dimensions, as regards height, these standard partitioned models, have the same height (mm) that the traditional OLIRACK 47Us cabinets, thus, they can be integrated with different models maintaining all aesthetics.

Split Options	U's p/ Section	Total of U's	Height (mm)	Width (mm)	Depth (mm)
2 Sections	23	46	2191	600	1000
3 Sections	15	45	2191	600	1000
4 Sections	11	44	2191	600	1000

** For different dimensions please contact us **



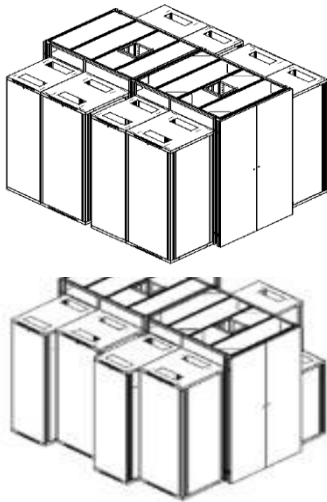
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ANYRACK CONCEPT-CLOSE AISLES CUSTOM-BUILT FOR ANY FLOOR-STANDING CABINETS

AnyRack



The Data Center Managers today are faced with an enormous heterogeneity in Data Centers. The mix of settings, resulting from the installation of different cabinets and brands, as well as the several dimensions are a huge embarrassment when the target is to achieve a real energy-efficient solutions that enhance an important savings for organizations.

The available solutions on the market from another brands, confront the Data Centers Managers with a big dilemma, the need to migrate operating equipment and systems for their proprietary solutions with down timing service levels. As a result of this vendor lock-in imposed by manufacturers, Data Center Managers are forced to develop high risk and complex projects, to migrate all systems and equipment to new cabinets.

Such projects involve risks and high costs arising from the fact that existing solutions in the market, are closed and designed for cabinets of the same brand, from same manufacturer and with the same dimensions.

As an alternative to usual OLIRACK Aisle Container Standard Solutions with 42U and 47Us cabinets, to meet the current challenges and solve the paradox of heterogeneity versus efficiency, OLIVETEL SA has developed a scalable and modular solutions that allow the construction of closed aisle/rooms (AnyRack) to your existing cabinets, regardless of brand and size, responding to the real operational problems and avoid high risk and complex projects.



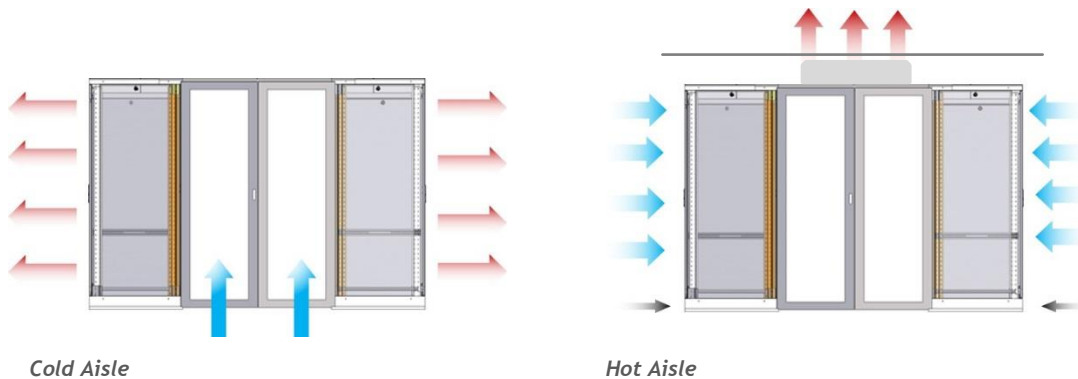
OLIRACK[®]
AnyRack CONCEPT

With this AnyRack Concept, the room/aisle will be constructed and closed to your floor-standing enclosure cabinets that are in operation, regardless of the brand or its size, maximizing the investment already made.

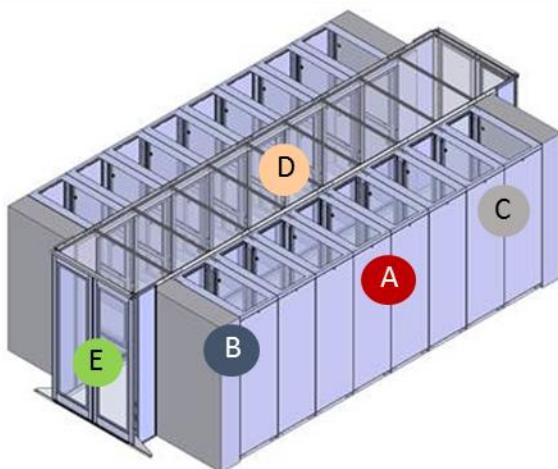
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Cold Aisle or Hot Aisle

The **AnyRack Concept** provides the closing Room/Aisle (Cold Aisle and Hot Aisle) with cabinets that already own and in operation. The development of this solution requires an on-site prior assessment to check all measurements and needs regarding your current space, current cabinets, current technical layout and its positioning.



OLIRACK INTEGRATED SOLUTIONS “TURN-KEY PROJECTS” - INROW OR PERIPHERAL DIRECT EXPANSION SYSTEM



- A** OLIRACK Floor-Standing Cabinets
- B** Cooling System:
Peripheral Direct Expansion System from EMERSON
according to your needs regarding thermal dissipation
- C** DUMMY Panels
- D** Roof Acrylic Modular System
- E** Door Solutions (Regular or Sliding Doors)

For more information please check our site [HERE](#)

OLIRACK - DATA CENTER SOLUTIONS

Contacts and Company Address

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