

**OLIrack<sup>®</sup>**

## Industrial Enclosures

For equipment and systems installations in industrial environments



OLIVETEL SA

# ÍNDICE

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# OLIRACK – ARMÁRIOS INDUSTRIAIS

## General information, standards and CE compliance

### INTRODUCTION

The **OLIRACK INDUSTRIAL ENCLOSURES** range, it was designed and manufactured to meet the different accommodation needs of equipment, systems and technology in industrial environments.

In these harsh environments, security and continuity of daily operations depend on the adequate protection of equipment and systems that support industrial activities. Thus, robustness, functionality and safety are priority characteristics in industrial cabinets that accommodate all the equipment and technology in an industrial context.

These cabinets have different characteristics of traditional enclosures, enables superior protection of equipment and systems as they are built to be installed in contaminated areas arising from industrial activity, ensuring protection of the external environment.

Beyond to the typically industrial environments, these cabinets can be installed in public circulation areas or open-space offices because they guarantee the protection of either, the external environment or inadvertently events caused by human action. In this case, OLIRACK INDUSTRIAL cabinets may include soundproofing option of protecting the surrounding noises from equipment installed inside.

The OLIRACK INDUSTRIAL cabinets offer a range of installation options, including equipment installation in rack or without rack, through metal plates, fixed or slide shelves and various drawers.



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## STANDARDS AND CE COMPLIANCE

- 19" according EIA 310 D / DIN 41 494 / IEC 60 297
- IP54 according DIN 400 50 / IEC 60 529
- European directives 2014/35/CE (Low Voltage Electrical Equipment)
- European directives 2014/53/CE (telecommunications terminal equipment)



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## Industrial Enclosures

### RANGE AND CONFIGURATIONS

This OLIRACK product line of industrial cabinets with IP54 protection, includes in all removable components, insulation joints to ensure an adequate protection of equipment and systems in harsh industrial environments.

U's	Height (mm)	Width (mm)	Depth (mm)
15U	812	600	900
30U	1478	600	900
42U	2012	600	900

*For different configurations and dimensions please contact us..*

### BASIC RANGE



- (1x) Chassis
- (1x) Double ceiling
- (1x) Removable Front Door, reversible and with 180° opening
- (1x) Rear Panel with filter
- (2x) Side panels w/lock and key w/ ground terminal connection
- (4x) 19" rack profiles adjustable in depth
- (4x) Height adjustable levellers
- (1x) Threaded terminal for grounding the chassis and quick connect terminal on the door and panels.
- COLOUR: RAL 7035

### BASIC RANGE WITH SOUNDPROOFING OPTION

At the base composition and to different models presented, you may opt for total soundproofing option with doors, panels, top and base with polyurethane foam application.



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## Soundproofing manufacturer technical features

The soundproofing option is made by applying polyurethane foam whose manufacturer characteristics are illustrated in the following table.

The technical data contained in the following table are just a guidance since there are many influences and external conditions that can occasionally cause oscillation of the average values provided by the manufacturer.

<b>Tests and characteristics</b>	<b>Results or maximum value</b>	<b>Minimum value</b>	<b>Unit of measurement</b>	<b>Method / Standard</b>
Density	25±1	-	Kg/m <sup>3</sup>	PQL001/ISO 845
I.L.D. 25% (load support)	122-164	-	N	PQL002/ISO 2439
I.L.D. 40% (load support)	150-202	-	N	PQL002/ISO 2439
I.L.D. 65% (load support)	298-403	-	N	PQL002/ISO 2439
Elongation at break	-	-	%	PQL003/ISO 1798
Tensile strength	-	-	KPa	PQL003/ISO 1798
Compressive Hardness (CV 40%)	4.4±0.6	-	KPa	PQL004/ISO 3386/1
Resilience	-	-	%	PQL005/ASTMD3574
permanent deformation 75%	Max. 5.0	-	%	PQL006/ISO 1856
Combustibility ( fire performance)	<100	-	mm/min	PQL008/ISO 3795
Work temperature	120°	-30°	°C	-

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## Flexibility, Productivity, Quality and Safety

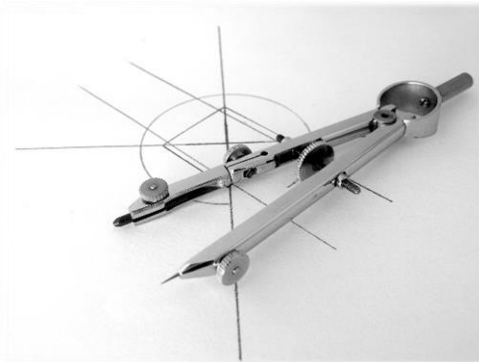
Time is a critical factor in installation projects, as well as the quality of the components that are handled. All models were conceived and designed to make a productive and safe installation. For this purpose, are included in OLIRACK Industrial Enclosure a set of details, that are the result of over 20 years of expertise, providing installation projects.

### SAFETY AND QUALITY ASSURANCE

- All components (panels and door) with ground connectivity to the chassis with M5 screw terminals
- Glass tempered doors application as Quality and Safety European standards
- Surface treatment with (~) 80µm of epoxy-polyester textured w/polymerization, accurate to industrial and outdoor application, with high mechanical resistance
- Totally free from hazardous materials, Manufacture according to European Directive
- CE conformity marking, stamp of quality and tightness level tests
- Serial Number for monitoring and tracking the installed sites



### MAKE YOUR CUSTOM SETTING



If the BASIC SETTINGS not respond to your needs, contact us. The modular approach of OLIVETEL SA in the design and development, allows timely and competitive adaptations, which could be considered all your requirements with specific features and adapted to your projects and brand.

In this case, it is always provided in close contact with our Technical and Commercial area, to determine the requirements and desired features.

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Illustrative photos

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## Scalability and Accessories

The ability to increase value in your installation, was previously thought in the design and manufacturing process, so scalability is ensured. A wide range of components and accessories are available:

- Cable brush and different cable entering systems
- Ventilation systems
- Filters
- Pedestals
- Fix or sliding Shelves
- Fix or sliding Drawers
- Blank panels
- Lighting Kit
- Simple Power strip and w/switch
- Electrical chassis/boxes
- Etc.

For a better understanding of existing solutions, we advise you to consult the table of existing accessories OLIRACK on our website or contact our Technical / Commercial area for personalized and assertive advice.

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