



**kide**

HIGH COOLING PERFORMANCE

COLD  
ROOMS  
2016





## Cold under control

KIDE it is a business Group manufacturer of cold-rooms, insulation panels, insulated doors, refrigeration units and drying units, offering integral solutions to its clients and developing valuable relations with the agents it works with.

It is aimed at different sectors where activity mostly deals with installers and distributors, and it seeks to stand out in terms of its quality and service, with a value proposal that sets it apart, being a group of reference in a national sphere while having international projection.

It is a Group of companies based on cooperative principles, integrated into the MONDRAGON Group, and whose final objective is to grow in a sustainable manner, creating wealth and well-being as well as support in cultural development within its surroundings.

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**kide**



## Highest cold performance

### **ZERO** LEAK

*Kide guarantees total coldroom Insulation due to High Density PU (injected Polyurethane), which results in an optimum thermal insulation coefficient and perfect panel fitting.*

### **SUPERCOP**

*SUPERCOP system works with a higher evaporation capacity, due to the large battery surface of the evaporator. Refrigeration units save up to 20 % of energy and the automatic defrosting by hot gas also means lower consumption.*



### **MAXIMUM DOOR TIGHTNESS**

*Smart and innovative design for insulated doors. Always offering the maximum guarantee for water tightness and isolation.*



*Panel joint system with 200kg traction strength for totally tight fastening contributing to greater energy savings.*



# Kide cold rooms and panels

keys for constant evolution in kide

- / Highest Quality
- / Continuous Service Improvement
- / Innovation And Latest Technology
- / Respect For The Environment

Trusted for many years  
by our customers

**Alcampo**



**telepizza**

**DANZAS**

**E.Leclerc**

**ORTIZ**

**GRUPO EROSKI**

**DECOEXSA**

**Heisa**



**DANONE**



**ALSTOM**

**caprabo**

**Champion**

**LE MUTANT**



**makro**

**Mirotz**

**GEODIS calberson**

**CONTINENTE**



**CARCHELEJO**

**Intermanche**



**Amotida**

## More than cold rooms, we offer integral service

There are many cold room manufacturers in the market, but not all offer such comprehensive and efficient service as Kide. Apart from designing and manufacturing a wide range of products, we are specialists in developing integral solutions.



### Doors



### Refrigeration equipment



Kideblock: Wall unit

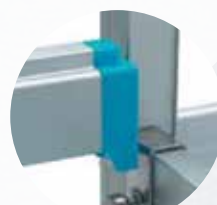


Kideroof: Ceiling unit



Wall industrial unit

### Shelving



Made from anodized aluminium and polyethylene.  
Available in many sizes.  
Wheels are optional.

# Kide universal cold room

KIDE'S UNIVERSAL MODULAR COLDROOM represents a new generation in modular coldrooms thanks to its many advantages.

- / Fully interchangeable panels
- / Much simpler assembly
- / Easy to extend in any direction
- / More practical to store and transport



## Express service obsessed with speed

Speed at KIDE is an ongoing commitment, speed of cold room assembly and, it goes without saying, speed of delivery. Our Express Service guarantees your UNIVERSAL MODULAR COLD ROOM will be manufactured in just 48 hours\*. But that's not all, as we can also provide the corresponding refrigeration equipment in the same timeframe.

\* Leaves factory on the second working day after date of order.







## Even quicker and easier to assemble

Cold room assembly has been made simpler by unifying panel design, making them interchangeable. Any panel can be used for a wall or the ceiling, as they all incorporate an exclusive system whereby they can be assembled in any position.

Assembly is fast thanks to a simple hexagonal key supplied with the cold room. A great feature that translates into important time and cost savings.

## It's never been easier to expand a cold room

With the UNIVERSAL MODULAR COLD ROOM it's really easy to expand the size of a pre-installed cold room in both directions.

The UNIVERSAL series is versatility at its very best. A minimum amount of panel references provides for a maximum number of modular cold rooms.



## More compact, even when stored

Another advantage of the UNIVERSAL MODULAR COLD ROOM is that because panel form has been unified it can be packaged more compactly, making it easier to transport and manipulate.

And because the number of references has been reduced you can optimize the stock available at your warehouse, resulting in important space savings.

# Technical specifications

The UNIVERSAL MODULAR COLD ROOM is comprised of prefabricated sandwich type high density injected polyurethane foam modular panels, with a range of thicknesses adaptable to different insulation requirements.

## / MÓDULO

400 mm.

## / THICKNESS

60, 80, 100 mm.

## / LENGTH

Maximum length is 3,200 mm

## / JOINT SYSTEM

Off-centre hook with hexagonal key.

## / FINISH

Galvanized steel sheet, white lacquer, with removable protection film. Slightly ribbed.

White colour. Food safe quality.

Lacquer: polyester paint, 25 micron. Including primer  
According to standard EN 10169.

AVAILABLE TO ORDER: Flat form. Other finishes.

## / INSULATION

Rigid polyurethane foam with no CFC or HCFC.

Density: 40 kg/m<sup>3</sup> (+3-0kg/m<sup>3</sup>)

U-Value:

PANEL 60 = 0.38W/m<sup>2</sup> °C

PANEL 80 = 0.28W/m<sup>2</sup> °C

PANEL 100 = 0.23W/m<sup>2</sup> °C

## / FLOORS

Pedestrian floor- S8.

Exclusively for pedestrian use. Interior 1mm thick nonslip plastic laminated sheeting.

Reinforced floor- M9 Reinforced floor ideal for pedestrian and manual trolley use. Interior finish reinforced with non-slip birch plywood and phenolic resin.

Reinforced superimposed floor.

Non-slip 2/4 aluminium steel.

Non-slip 3/5 galvanized steel.

## / REFRIGERATOR DOOR

Hinged door 0.8m x 1.9m, coupled to a vertical panel.

## / INCLUDED ACCESSORIES ARE

Vertical interior, ceiling and floor SANITARY TRIM on all models.

BALANCE VALVE in freezer (100mm panel cold rooms).

"U" FLOOR PIECE in FLOORLESS cold rooms.



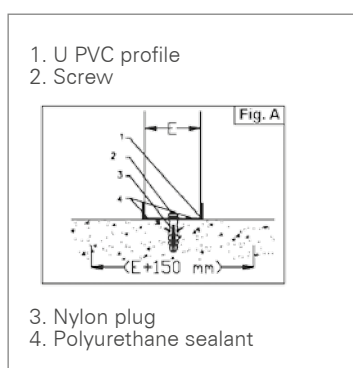
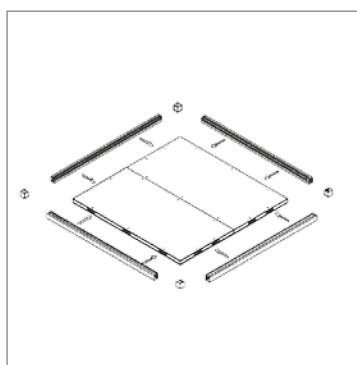


## / ASSEMBLY INSTRUCTIONS

### 1<sup>ST</sup> STAGE

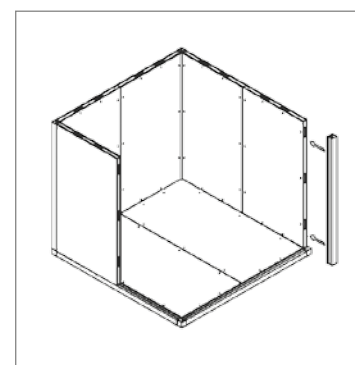
Assembly the floor panels then, fix the corners and adjust the covers. The floor should be completely flat.

If the cold room has no floor, the ground of the cold room perimeter shall be completely levelled width (E+150 mm). Fig A.



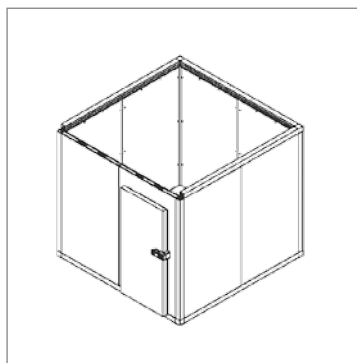
### 2<sup>ND</sup> STAGE

Fit the corners to the vertical panel and follow assembly the vertical panel.



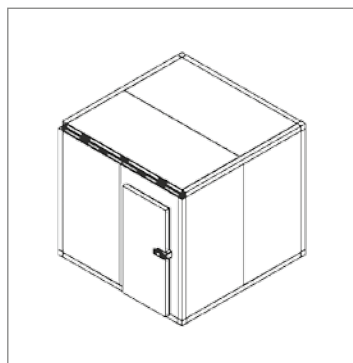
### 3<sup>RD</sup> STAGE

Finish the assembly of the vertical panels, put the upper corners.



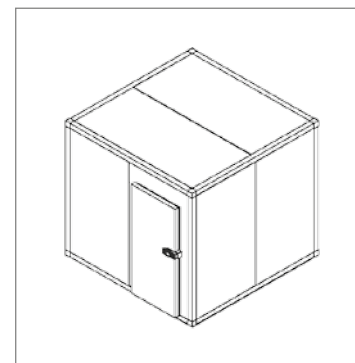
### 4<sup>RD</sup> STAGE

Assembly the ceiling panels.



### 5<sup>RD</sup> STAGE

Place the last corner and adjust the covers.





# Kide modular cold room

In the KIDE MODULAR COLD ROOM the union goes in the vertical sense, enabling the assembly of the vertical panels before assembling the ceiling. Therefore, less people are needed for assembly. Moreover, with this system it is possible to dismantle any part of the ceiling without unfastening the vertical panels.



## By its quick and secure system of joining

The fastening system which KIDE has developed, besides being quick and simple, guarantees perfect adjustment between vertical panels, as well as between vertical and ceiling panels. Due to that, the insulation which the cold room offers is complete, complying with its function with the best results. The KIDE joint system is as simple to loosen as to adjust, which facilitates dismantling the panel quickly in case of need.



## How is it possible to save up to 20% of the time in the assembly of the panel?

### WITH THE NEW CEILING-WALL SUPPORT

KIDE has developed an exclusive system for joining vertical panels with ceiling panels. This system results in important advantages:

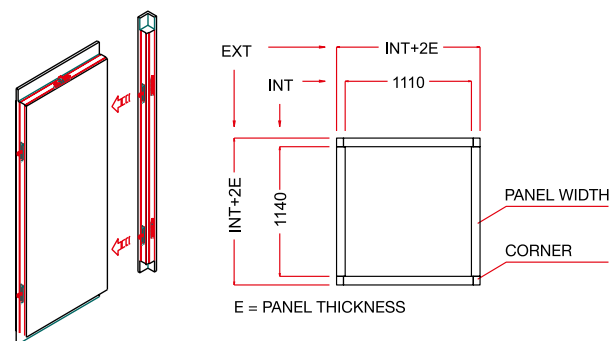
- 1. Ease of assembly and dismantling:** The union system with the joints between the panels goes in vertical sense, allowing the ceiling to be assembled after assembling the vertical panels and to be dismantled without unfastening the joints.
- 2. A perfect aesthetic sense thanks to the invisible joints:** The vertical panel goes from the floor up to the ceiling in one piece. Its union with the ceiling panel is made through a single joint which, thanks to our exclusive joint system becomes invisible, giving perfect aesthetics.
- 3. Great ceiling stability:** The horizontal panel is supported 55 mm on the vertical panel, giving total stability to the ceiling.
- 4. Total Insulation:** All joints, instead of being plane, are in male-female format, which guarantees a perfect adjustment between the panels, obtaining a complete insulation.



### BY JOINING THE VERTICAL PANELS

Another advantage in the assembly of the KIDE MODULAR COLD ROOM is the incorporation of vertical corner pieces. Thanks to these panels, situated in each corner of the cold room, all vertical panels have the same design, resulting in a more simple and flexible assembly system.

Besides, the positioning of the door is more flexible than in the cold rooms with different types of panels, allowing to place it wherever you want. Unlike other companies, the KIDE corner pieces are made of the same material as the panels, with the same joint system, making assembly equally easy. Due to that, the exterior part of the cold room remains totally homogeneous.



## Design at the service of the installer

The KIDE MODULAR COLD ROOM, not only facilitates the assembly and dismantling of the cold room and guarantees total insulation, but it also gives an aesthetic sense by hiding the joints.



# Technical specifications

The KIDE modular cold room, is made up of prefabricated modular SANDWICH panels of polyurethane.

They have the **CE** marking according to the European standard EN 14509.

1<sup>ST</sup> COMPANY OF THE  
SECTOR IN SPAIN WITH



MARK FOR MODULAR  
COLD ROOMS

## / INSULATION

Rigid polyurethane foam, neither CFC nor HCFC

Density 40 Kg/m<sup>3</sup> (tolerance +3 -0 Kg/m<sup>3</sup>)

Average COEFFICIENT OF THERMAL  
TRANSMISSION "U"

Panel thickness in mm.	60	75	100	120	150
U (W/m <sup>2</sup> °C)	0,38	0,31	0,23	0,19	0,15

## / REACTION TO FIRE

- Panel Cs3dO (according to EN 13501-1)
- Temperature Range: between - 40°C and +75°C according to thickness.

## / COATING

Maximum internal height 3,200 mm.

## / TYPE OF JOINT

Off-centre hook with hexagonal key.

## / COATING

### STANDARD:

Slightly ribbed sheet steel, galvanized and pre-lacquered with polyester (25μ) with a peelable protective film.

White colour. Food safe quality.

### THROUGH ORDER:

Stainless Steel sheet.

Plastified steel sheet with food safe PVC of 120μ.

## / TYPE OF JOINT

Joint in male-female format made of polyurethane with inserted boxes. The assembly of the panels is carried out through an eccentric hook (stainless steel AISI 430), which is turned by a square key and hooks onto a metallic axle. The above-mentioned hooks guarantee a perfect joint and insulation, with a tensile strength of more than 200 Kg.

## / VERTICAL PANELS

MODULE: 190 mm.

THICKNESS: 60, 75, 100, 120, 150 mm.

WIDTH: 380, 570, 950 and 1.140 mm.

The maximum length is 4.000 mm.

The maximum inner height of COLD ROOM is 3.700 mm.

## / FLOOR AND CEILING PANELS

They have the same characteristics as the vertical panels.

The interior face of the floor panel in the STANDARD version is a galvanized steel sheet, plastified with a PVC film and anti-slip grey colour of 1mm thick.

This floor is only for people use.

When trolleys are used inside the cold room, reinforced floor is needed.

This floor is only for people use. When trolleys are used inside the cold room, reinforced floor is needed.

## / REINFORCED INJECTED FLOOR

BIRCH plywood + PHENOLIC RESIN (9 mm)

## / REINFORCED SUPERIMPOSED FLOOR

Galvanized Steel anti-slip 2/4 mm.(L3)

Galvanized Steel anti-slip 3/5 mm. (FLUTED)

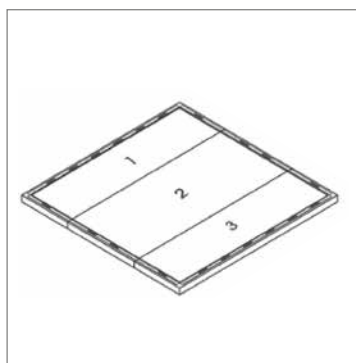
Aluminium "DAMERO" anti-slip 2/4 mm.



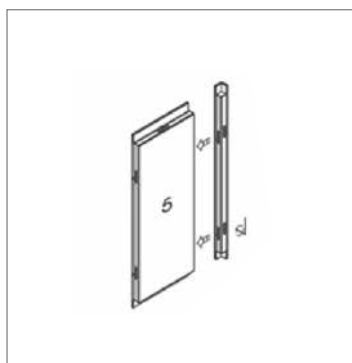


## / ASSEMBLY INSTRUCTIONS

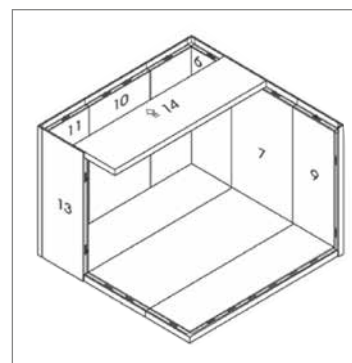
### 1<sup>ST</sup> STAGE



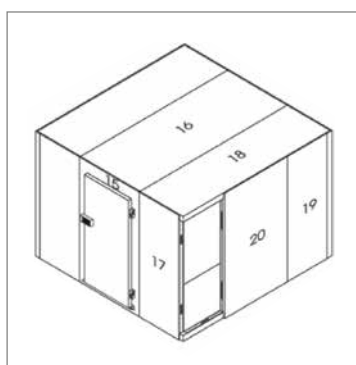
### 2<sup>ND</sup> STAGE



### 3<sup>RD</sup> STAGE

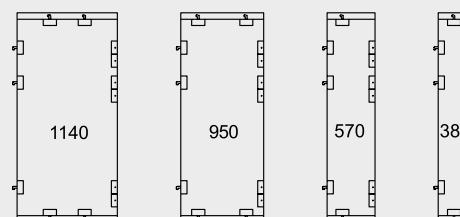


### 4<sup>RD</sup> STAGE



## / WHEN PLACING AN ORDER IT IS VERY IMPORTANT TO REMEMBER THE NEW MODULE SYSTEM OF THE COLD ROOMS

Due to the design of the MODULAR COLD ROOMS, with vertical corner pieces, we have changed the modulation system, going from 300 mm to 190 mm. This new modulation has unified the design of the panels, facilitating the assembly and allowing us to pack and delivery the panels in horizontal plane. In the same way, with this new modulation system, we have increased the number of standardised dimensions of the cold rooms.



# Kide industrial cold panel

The KIDE INDUSTRIAL REFRIGERATION PANEL guarantees the maximum insulation in all kind of industrial cold rooms. It can be manufactured up to a length of 12m and 200mm thick, which reduces the number of joints in the walls and ensures a high insulation for any cold room size.

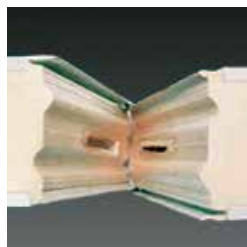
## Union is strength and so is the insulation

KIDE has developed a double male female system which is reinforced by stainless steel cam locks. Kide cam locks have AISI 430 hook unlike polyamide hooks used commonly, the AISI 430 hook does not elongate and hence pulls the panels together ensuring a perfect seal.

The cam lock housing is made from high quality rigid PVC. The loops in the housing ensure a firm anchor in the foam, increasing considerably the pull out strength. Kide panel joints are better by design, providing total insulation and impermeable joint, which results in important energy savings day after day.



A SYSTEM THAT ATTRACTS



KIDE DOUBLE MALE-FEMALE  
FORMAT: A PERFECT JOINT  
FOR A TOTAL INSULATION







## Easy to assemble and dismantle

The integrity of the joint between insulated panels determines the insulation properties of the cold room as a whole. KIDE panels are joined using cam locks with stainless steel AISI430 hooks, which not only provide structural strength, but also pull and retain the panels together ensuring an excellent insulation as well as a perfect aesthetic.

This fastening system requires only 3/4th of a turn for a quick and perfectly aligned joint. Thanks to its easy assembly, a substantial reduction in site activities results in saving both, time and money.

## Manufacturing in discontinuous form brings continuous advantages

KIDE uses a discontinuous process to manufacture insulated panels. This process gives us a number of advantages: On one hand, flexibility in production allows to manufacture panels to size, thickness and other specific requirements of the customers. This flexibility also brings an optimization of the production planning and machine utilization, enabling to commit prompt answer and short delivery times.

On the other hand, manufacturing in discontinuous form allows us to supply a totally finished panel, ready to be assembled at site. The KIDE panel with cam locks requires minimum work and panels are easy to replace in case of needed.



### Technical specifications

The KIDE SANDWICH panel has the **CE** marking according to the European standard EN14509.

#### / INSULATION

Rigid polyurethane foam, neither CFC nor HCFC

Density 40 Kg/m<sup>3</sup> (tolerance +3 -0 Kg/m<sup>3</sup>)

Average COEFFICIENT OF THERMAL TRANSMISSION "U"

Panel Thickness in mm.	60	75	100	120	150	180	200
U (W/m <sup>2</sup> °C)	0,38	0,31	0,23	0,19	0,15	0,19	0,15
Panel weight Kg./m <sup>2</sup> coating, 2 faces, sheet 0,5 mm.	11	12	13	14	15	17	18

#### / REACTION TO FIRE

- Panel Bs2d0 (according to EN13501-1)
- Working Range: Between -40 °C and +75 °C according to thickness.

#### / COATING

##### STANDARD:

Steel Sheet slightly ribbed, galvanized and pre-lacquered polyester (25 µ) with a peelable protective film.

White colour. Food safe quality

##### THROUGH ORDER:

Steel sheet pre-lacquered plastisol 100 µ

Stainless Steel sheet.

Steel sheet plastified with food quality PVC, 120 µ.



#### / FASTENING SYSTEM

Double male-female format with stainless steel AISI430 cam locks. A square key is used to turn the hook on a metal axle. The eccentric cam movement of the hook pulls the two panels together ensuring a perfect joint.

Highest insulation of the joint:

- AIRTIGHTNESS = "O" at 50 Pa (EN-12114)

- WATERPROOFNESS = "A" at 1200 Pa (EN-12865)

#### / FLOOR AND CEILING PANELS

Length: Maximum length of 12.000 mm.

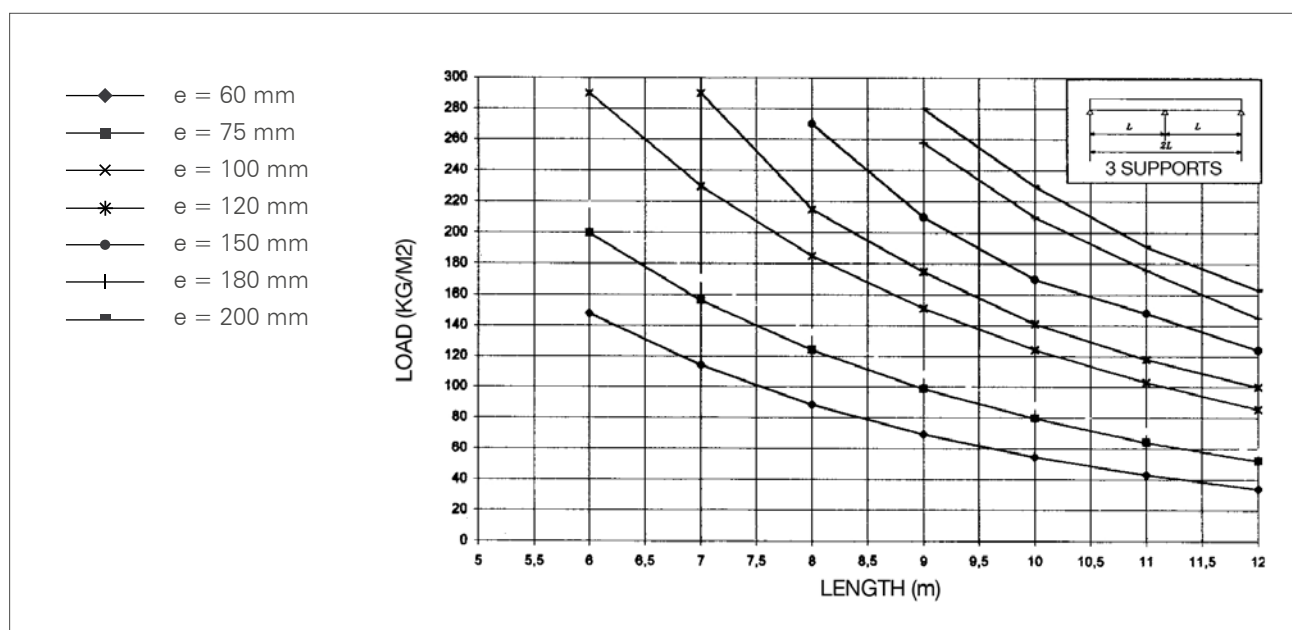
Width: Usable 1.180 mm. Total width 1.195 mm.

Thickness: 60, 75, 100, 120, 150, 180, 200 mm.

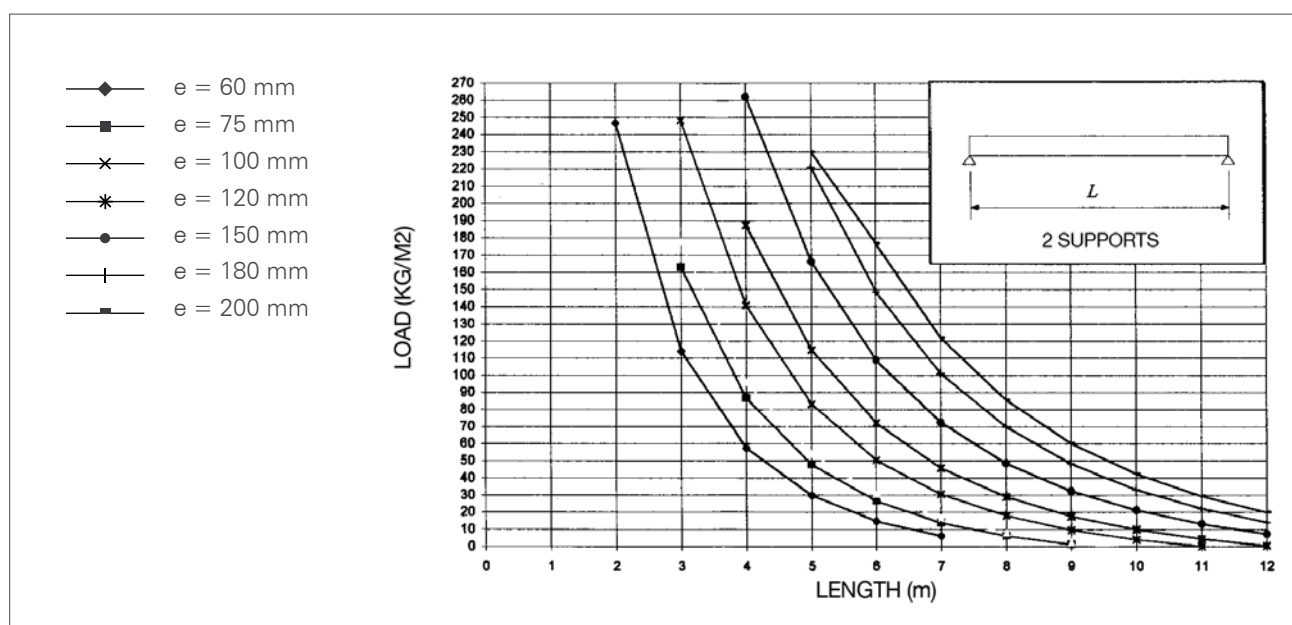
Tolerances: According to standard EN 14509.



Admissible load for panel with three supports and deflection  
Of  $l/200$ , being  $l$  the distance between supports



Admissible load for panel with two supports and deflection of  $l/200$ ,  
being  $l$  the distance between supports



Admissible loads for these panels according to thickness,  
deflection  $L/200$  and standard NBE 95.

The safety coefficient is 1,7. So, according to this standard,  
the load combinations SHOULD NOT be exceeded.



## The guarantee of a big brand name

Every cold room and refrigeration unit is the result of a carefully studied process and production.

When buying one of our products, you can be sure of having chosen a long lasting quality.



## Teamwork

We put everything we have into finding the best solutions for our customers' projects.





## RELEVANT INFORMATION

### **1. General sale terms.**

General sale terms are described on the offer.

### **2. Delivery and transfer of ownership.**

Delivery of the products shall be EX-WORKS KIDE (Incoterms 2010) except if something different is agreed in the contract or order. Ownership of the products shall only be transferred in cases where full payment has been made. In any event, the purchaser shall be responsible for unloading.

### **3. Warranty.**

KIDE guarantees all its products for a period of TWELVE MONTHS from the date of dispatch against any manufacturing defect. This warranty obligation consists EXCLUSIVELY of the replacement of the part of the product recognised as being defective and does not include: any expenses related to refrigerant, shipment, installation, assembly or dismantling, or any damages which may have been caused. The piece delivered in replacement of the defective one shall be guaranteed under the same terms and conditions applicable to the one being replaced for the remaining period for validity of the warranty. Any defective parts or products must be returned to KIDE, carriage paid, within a maximum period of FIFTEEN DAYS following dispatch of the replaced products, after which time KIDE reserves the right to bill the invoice of the aforementioned products/parts replaced. The following are not covered by the warranty: defects owing to misuse or improper maintenance of the products, normal wear and tear, improper use of whoever is using them or improper installation and/or repairs carried out by the purchaser or third parties. The purchaser shall hold KIDE harmless from any claim which may be made against it by third parties for any reason other than that of a manufacturing defect in the products, in addition to all expenses incurred in defending against such claims.

### **4. Review of the material and acceptance.**

The purchaser shall be duty bound to review the products on reception thereof. If, once the goods have been received, they are not duly checked and the delivery note is signed as having been accepted, or within a period of 24 hours the relevant claim should fail to be made, KIDE shall not be liable for any obvious defects. The purchaser is duty bound to sign the delivery note of the material and/or record of acceptance of the installations once it has been received; in any event, the material shall be deemed as having been unconditionally accepted from the time of commencement of use thereof.

### **5. Jurisdiction.**

The relevant courts covering the area of jurisdiction of the registered office of KIDE shall apply Spanish law for the purpose of settling any matter or dispute which may arise among the parties regarding the interpretation, validity, execution and/or discharge of the contract.

### **6. Note.**

KIDE shall not be liable for any error or misinterpretation of the information contained in the posted values. It also reserves the right to modify the details and values contained herein without prior notice. Said details do not constitute any contractual guarantee.

Notes

Handwriting practice lines consisting of 20 horizontal dotted lines.





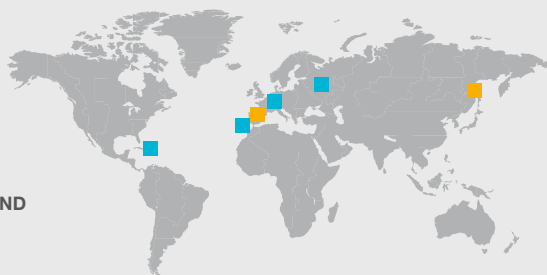
## KIDE IN THE WORLD

### COMMERCIAL OFFICE

- Cuba
- France
- Portugal
- Russia

### PRODUCTION FACILITY AND COMMERCIAL OFFICE

- Spain
- China



# kide

## HEADQUARTERS

Polígono Gardotza s/n  
48710 BERRIATUA  
Bizkaia (Spain)

Tel: +34 94 603 62 08  
Fax: +34 94 603 62 21

e-mail: [kide@kide.com](mailto:kide@kide.com)  
[www.kide.com](http://www.kide.com)

