



225 / 300 / 450 kg

SMALL



Your mobility solution

# About SODIMAS

SODIMAS (Société de Distribution de Matériel d'Ascenseur) was established as a family business in 1975, and in its 35 years has become France's foremost independent manufacturer of lift equipment. Today its products are distributed to around forty different countries throughout the world.

SODIMAS has developed and diversified its component sales business, and is now a designer, manufacturer and distributor of lift equipment. The company uses its know-how and expertise to manufacture complete lift systems for new buildings, replace older equipment, and modernise existing lifts while ensuring that all parts are compliant.

The company has an innovative research and development department, which is able to adapt to the most advanced technologies. All products are manufactured in France, either by the SODIMAS Group or under licence in partnership with major component manufacturers.

Through both its technical sales team and its design office, SODIMAS has resolutely focused its strategy on customer service. Its teams are trained in lift equipment technology and current regulations, allowing them to offer advice and meet the specific needs of lift installers, architects and property developers.

## Why choose SODIMAS ?

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- ↗ A company dedicated to innovation and technical expertise
- ↗ Thorough knowledge of applicable standards and legislation
- ↗ An independent strategy enabling reactivity and reliability over time
- ↗ Standard and non-standard products, offering an unlimited range of equipment
- ↗ Priority given to customer service and support

# SMALL by SODIMAS

Designed especially for the new regulation of accessibility requirement (introduced by the law n°2005-102 of February 11th, 2005), the lift SMALL proposes an innovative solution which applies to everyone needs : public building, housing board or private dwellings. It gives the advantages of a lift : safety, comfort, efficiency and take out all discrimination to the people with reduce mobility or aged people.

Due to strong survey on the parts constituting the SMALL, SODIMAS has created a standard range of product which presents a very competitive and attractive price.

However, quality has not been forgotten as all SODIMAS technologies have been integrated.

The SMALL complies with the various standards and new legislation applicable to lifts :

- ↗ Lift Directive 96/16/EC
- ↗ 81-70 standard
- ↗ EN 81-1/2 standard + A3 amendment
- ↗ Eco-label following VDI4707
- ↗ etc...



# The SMALL range



## Key figures

Car load	225 to 450 kg
Capacity	3 to 6 passengers
Travel	15 m
Access	Single or Double
Lift car surface	0,7 to 1,3 m <sup>2</sup>
Nominal speed	0,5 (or 0,15)* m/s <small>*consult us</small>

## All in One concept

SMALL is complete package, applying all the accessibility requirement :



- ↗ A half height mirror for a better visibility of the indicators and obstacles
- ↗ A sound signal along with the indicator
- ↗ A telephone system for a quick answer if necessary

- ↗ Automatic door to ease the way inside the car
- ↗ A full height door safety edge in order to avoid any impact with the door
- ↗ A landing indication and an accessible COP with embossment push button
- ↗ An handrail for the stability of the passenger

## A clever solution

SODIMAS developed SMALL in order to create a clever solution which is available in 2 different types for a better and more convenient need of the user :

### SMALL - Lift :

- ↗ Speed of 0,5 m/s
- ↗ It is compulsory to subscribe a lift maintenance contract
- ↗ Local GST/VAT applicable

### SMALL - Machine Directive : Same product with following specification : \*

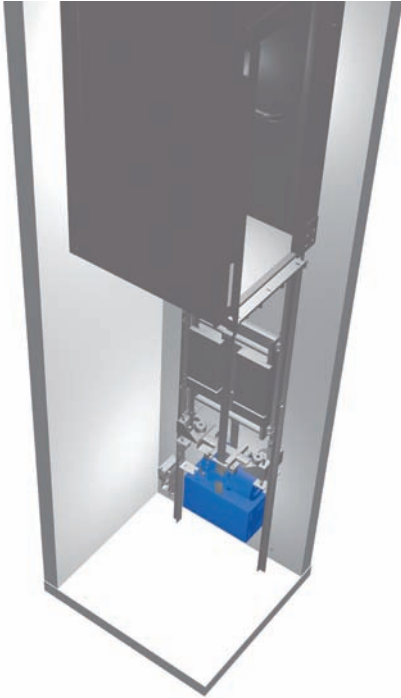
- ↗ Speed down to 0,15 m/s
- ↗ No need to subscribe a lift maintenance contract
- ↗ Local GST/VAT applicable to existing building

\* Note : for the building concerned by the law 2005-102 : the installation of the EPMD is forbidden in new building and only with local authority acceptance for existing



SODIMAS has adopted a strategy on price competitiveness and attractiveness, which will apply to all kind of market.

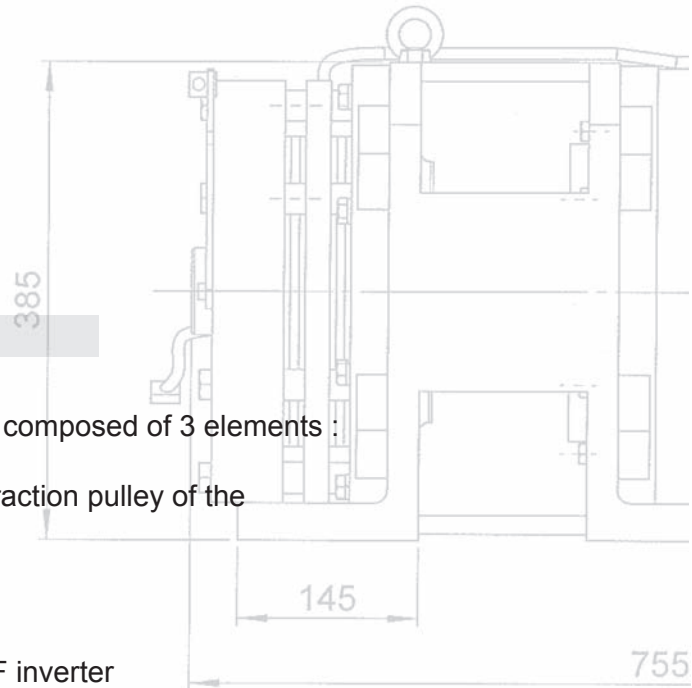
# A range of lifts bringing



## A simplified installation for limited adaptation works

The studies conducted by the R&D Department of SODIMAS have optimized the place of every parts in the machine room and their position in the shaft, which allows us to propose today a lift avoiding the machine room and giving the maximum space for the car.

The installation of the SMALL does not need the structural modification of the building since needing low pit and headroom. For example, the installation in a new building of a SMALL requires only 2500mm headroom.



## A Gearless machine VM serie

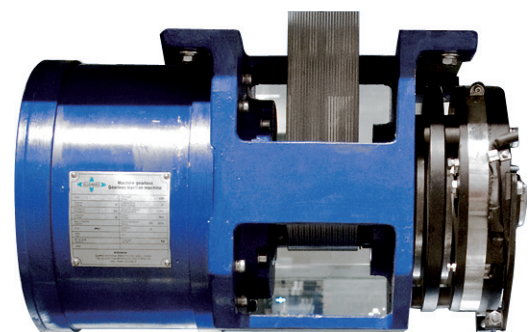
Today, the technologic solution SODIMAS motorisation is composed of 3 elements :

- ↗ The machine without gearbox, called "Gearless" : the traction pulley of the car being directly motorized and fitted with a brake
- ↗ The synchronous motor with permanent magnets
- ↗ The drive and control of the motor speed through a 3VF inverter

The SMALL got a motor consumption of 1,5 kW and use a 230V single phase socket 16A in order to avoid any complicated and additional adaptation.

## Advantages

- ↗ High output, low consumption
- ↗ Noise disturbance eliminated
- ↗ Optimization of the energy consumption
- ↗ Small and compact machine room
- ↗ Comfort and stop accuracy



# new technologies together

## A flat belt in polyurethane

The SMALL is equipped with a belt of very high technicity which combines smoothness and grip of the polyurethane with the strenght of the stranded steel ropes, avoiding the traditionnal steel ropes.



### Advantages

- ↗ Maximum output of the power
- ↗ Comfort in car improved, noise disturbances eliminated
- ↗ Perfect line in time : longer lifetime of your product

## A new electrical solution : NG240 controller

The NG240 board has been designed for Eco-conception and has been therefore classified by the VD14707 German energy saving referential class A. Its communication with all peripheral components through Can Open Bus technology offers a great flexibility and evolution.

Its EPROM integrates a mini web server enabling to save all history of your operation and feature of the NG240 in time and therefore to follow up and report all function. It is also an open product, like its integrated basic tool, which gives an easy installation and friendly and accessible maintenance to everyone.

Finally, its optional possibility to work with an absolute shaft sensor ( on top of the traditional one) gives the opportunity of very shot trip between floors (up to 30mm).

### Advantages

- ↗ Flexible and easy installation/maintenance
- ↗ Optimal energy consumption
- ↗ Smooth and accurate position and travel
- ↗ Open technology and friendly



# Eco performance



## 1 - The car

All lift cars in the SODIMAS range are fitted with **LED lights**, which are less energy-hungry and have a longer service life.

## 2 - GEARLESS machine

Firstly, gearless traction machines do not use lubricant, as permanently greased bearings are used to turn the drive pulley.

Secondly, the combination of a gearless traction machine, a synchronous motor and a VVVF inverter provides **energy savings of around 50%**.

## 3 - Controller

The intelligent SODIMAS technologies reduce energy consumption by **switching off** the landing indicators and lift car lights when the lift is on standby or has stopped.

These functions are reactivated immediately.

## 4 - Power Supply

The SMALL machine is only 1,5 kW and need only a 230V single phase 16 Amps socket for a **lower electrical consumption**.



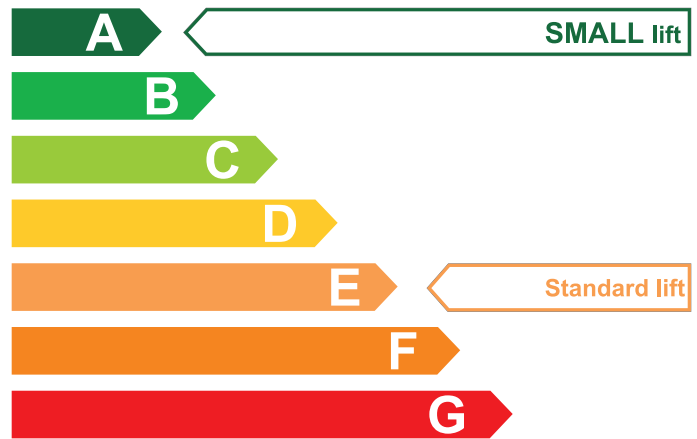
## Proven energy savings

SODIMAS products, particularly those in the SMALL range, have been awarded an excellent energy saving classification, (based on the German standards establishing the VDI4707 guidelines).

This classification takes different criteria into account, such as a lift's load, speed and frequency of use, to judge its energy efficiency.

SMALL is in A classification, reflecting its very low energy consumption.

Another study carried out in Grenoble on new, high environmental quality buildings, has confirmed the high energy performance of SODIMAS' lift systems : See box below.



Classified based on VDI4707 guidelines

### Consumption of lift per flat



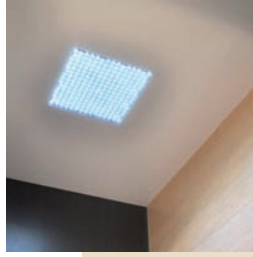
We note, [...], that the two lifts to consume the least are of the Sodimas make. This company based in Pont de l'Isère in the Drôme is not one of the sector's leading four companies. It has nonetheless developed original technologies (replacing the reducers with cable and pulley systems), which are perhaps also the most efficient, which it will be up to other audits to confirm.



# A comfortable and harmonious atmosphere

## Ceiling

White epoxy finish  
with LED panel  
(integrated emergency lighting)



**Sills and skirtings,**  
natural anodized aluminium

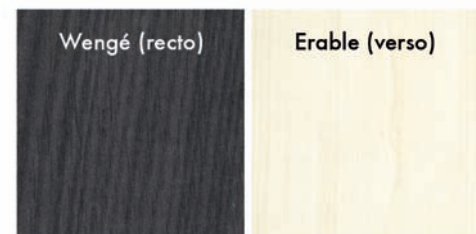
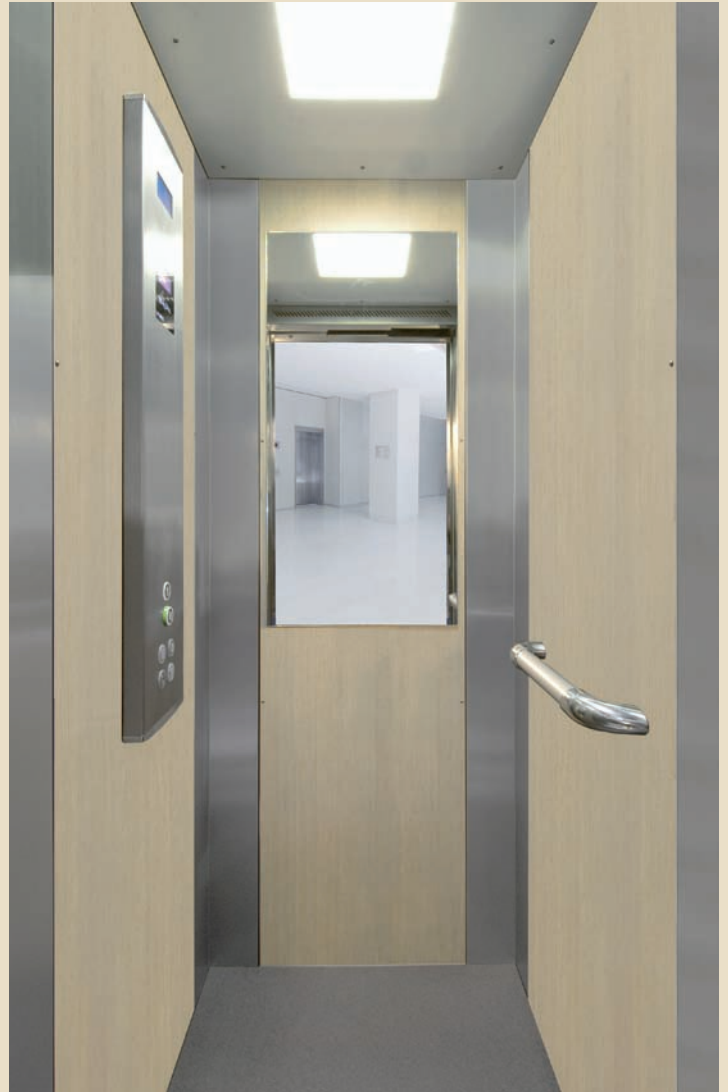


**Entrance and panels,**  
in brushed stainless steel

**Floor covering**  
PVC (U2S,P2)



**Half height mirror**



**Wood wall finishes**  
Thick-choice (plain or two-colored)  
Melamine faced panels, 14 mm

## Control panel in brushed stainless steel

- ↗ CYNTRA micro switch push buttons  
(according to the 81.70 standard)
- ↗ 4" LCD can level indicator  
with voice synthesizer
- ↗ Printing on backlight
- ↗ Three-phonetic telephone
- ↗ Digicode



# SODIMAS extras

## Available options for the SMALL range (please contact us for details) :

↗ **Steel structure** (gladding by yourself) or internal or external **glass or metal covered tower**, epoxy finish

↗ **Emergency landing device** :

Controller for automatic evacuation in the event of a power failure

↗ **GSM telephone** :

Quadband, integrated battery, AFNOR approved and compliant with new european regulations

## Our high-quality service



↗ Permanent support : our design office, sales team, after-sales service and training staff are all available to help you



↗ As an SME in a favourable geographical location, SODIMAS is always available to respond to your needs.

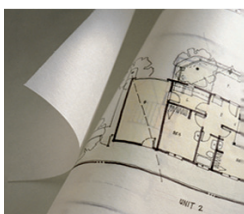
↗ SODIMAS also guarantees the permanent availability of its equipment, thanks in particular to its large stock of products



Module H - European Directive 95/16/EC



FABRICATION FRANCAISE



↗ An online customer space providing a set of services for your own use

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