



# DHOLLANDIA



## POCKET GUIDE PRODUCT RANGE 2015



**DHOLLANDIA**

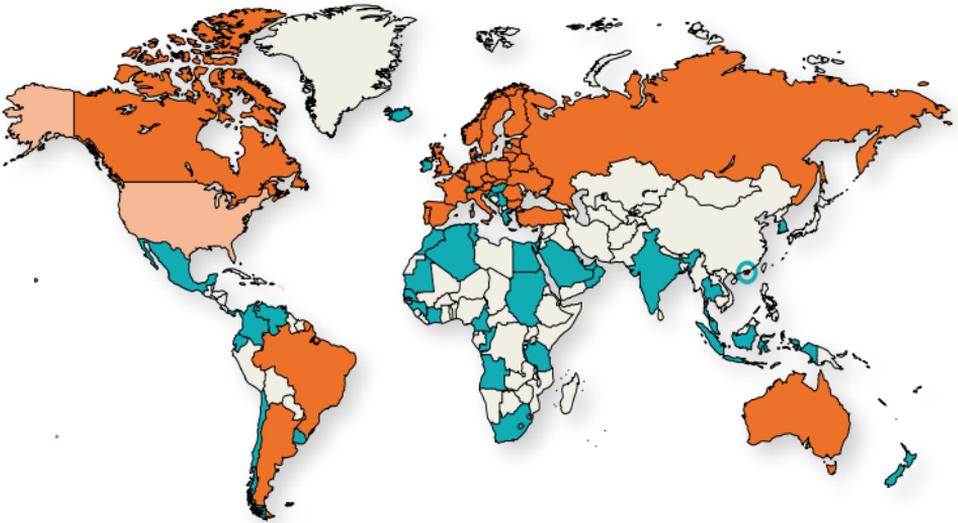
**POCKET GUIDE  
PRODUCT RANGE 2015**

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# DHOLLANDIA facts & figures

- Founded in 1968, more than 45 years of experience in the tail lift business
- Europe's N° 1 manufacturer of tail lifts, with production in excess of 35,000 units per year and more than 550,000 units sold since 1968
- Unparalleled product range with lift capacities ranging from 150 to 16,000 kg, all developed via internal growth
- Production sites in 5 countries
- Extensive vertical integration and technological leadership: more than 90% of mechanical, hydraulic and electrical parts used are manufactured in-house
- Professional network of DHOLLANDIA Area Sales & Service Centres (Europe) and independent distributors (outside Europe) in 6 continents and more than 60 countries worldwide



 DHOLLANDIA Group       Independent distributor



See [www.dhollandia.com](http://www.dhollandia.com) for our worldwide network.



# 6 good reasons to buy DHOLLANDIA



## 1- Safe & reliable



- No electronic components, exceptionally reliable
- Adapted to the intensive use and heavy duty work
- Strong & robust 4-cylinder tail lifts (\*)
- Electrical safety valves mounted to all cylinders (\*)
- Manual emergency back-up operation on all electro valves
- Level ride plus automatic tilt at ground level on most commercial lift models (\*)



## 2- Flexible & client-oriented

- Small enough to care, big enough to cope
- Wide range of standard products ranging from 150 to 16,000 kg
- Extensive vertical integration and technological leadership: more than 90% of all mechanical, hydraulic and electrical parts used are manufactured in-house
- Therefore perfectly geared up to develop and manufacture tailor-made lifts and creative client-oriented solutions



## 3- Superior finish

- Low maintenance bearings and grease nipples in all critical articulation points
- Piston rods in hard-chromed stainless steel for all cylinders exposed to adverse weather conditions
- Best possible protection against corrosion: **HOT-DIP ZINC PLATED finish** or **Protection PLUS finish** on the majority of lifts





#### **4- Economic & budget friendly**

- Optimum price-quality ratio
- Lifts designed to allow easy maintenance
- Attractive spare parts prices and low maintenance costs
- Longer life-time and durability



#### **5- Strong environmental focus**



- Use of Best Available Techniques in surface treatment and waste water treatment
- Use of rain water for industrial purposes
- Application of wind and solar energy to power manufacturing processes
- Maximum elimination of lost packaging material
- ISO 14001 certified



#### **6- The safe and clever buy**

- Modern lift range offering many safety features and functional options
- Professional service network in more than 60 countries across the world
- More than 550.000 units sold are the proof of customer satisfaction and loyalty
- Preferred choice of many transport companies, fleet-owners, rental companies and truck body manufacturers

(\*) Generic characteristics for most types of commercial lifts

# Best possible protection for your investment

DHOLLANDIA uses 2 premium surface treatment finishes for steel components, raising the quality and corrosion protection of the finished product to the absolute top in the tail lift industry.

Most popular commercial lifts are supplied in **HOT-DIP ZINC PLATED finish**, the less common lifts in **Protection PLUS finish**.



DHOLLANDIA's **Protection PLUS** paint finish combines innovative technologies to raise the quality and corrosion protection of its tail lifts to the highest level.

Protection PLUS incorporates 4 important steps:

1. Shot blasting of the steel substrate
2. 3-cation zinc phosphate
3. KTL cathodic dip epoxy coating (KTL = Katodische Tauch-Lackierung)
4. Polyester powder top coat

## E-coat (KTL)



## Polyester powder coat



**HOT-DIP ZINC PLATING** is based on the metallurgic bond between the steel parts and zinc, melted at 460 °C. The zinc-iron alloys formed in this way, offer a number of clear advantages:

**HOT-DIP  
ZINC PLATED**

- ▶ **Best possible protection against corrosion**
- ▶ Improved metallurgic characteristics
- ▶ Better protection against shocks and wear
- ▶ Protects the outside **and inside** of steel structures (unlike e-coat or conventional paint systems, whose effect is limited to the painted outside surfaces)

**Hot zinc melted at 460 °C**



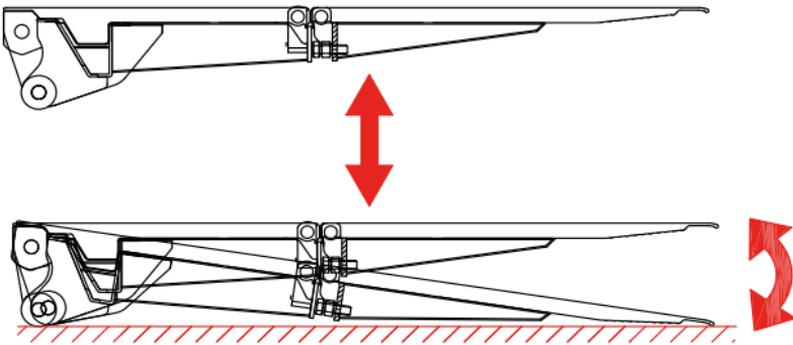
Green technology: life cycle assessments have proven that zinc-plating is the most environmentally friendly method of anti-corrosion protection.

# Different types of RIDE

The **RIDE** of a lift describes the movement that its platform goes through when lowering from the vehicle floor to the ground; or vice versa when lifting from the ground to the vehicle floor.

DHOLLANDIA mainly uses 3 types of rides.

## 1 Wedge or conical platform Level ride + automatic tilt at ground level



When lowering, the platform remains level from the vehicle floor down until the platform rollers touch the ground. Next, the platform tilts down to an inclined position that allows loading and unloading.

When lifting off the ground, the platform first tilts up from its inclined position on the ground to the horizontal level, then continues a level ride to the vehicle floor.

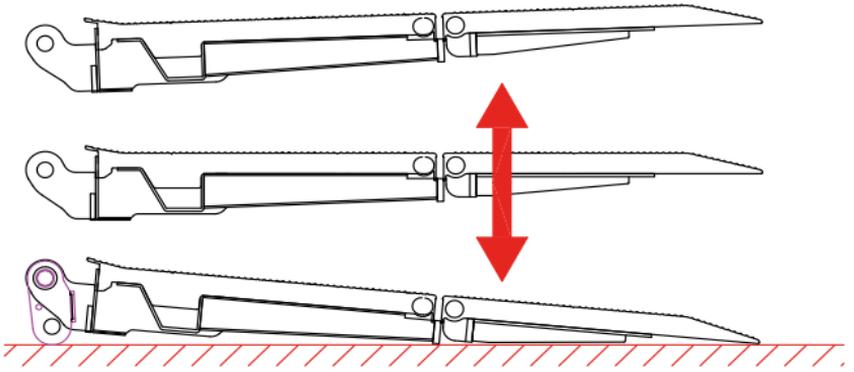
### Recommended for:

- ▶ higher capacity applications, heavier loads
- ▶ applications where easy on- and off-loading of pallets with pallet jacks is required
- ▶ applications where adjustable platform orientation is required (tilt cylinders)

### Used on:

DH-L and DH-S lifts, most DH-R lifts

## ② Half-dip ride



When lowering, the platform progressively tilts down from a level position at the vehicle floor to an inclined position at the ground. (And vice versa when lifting).

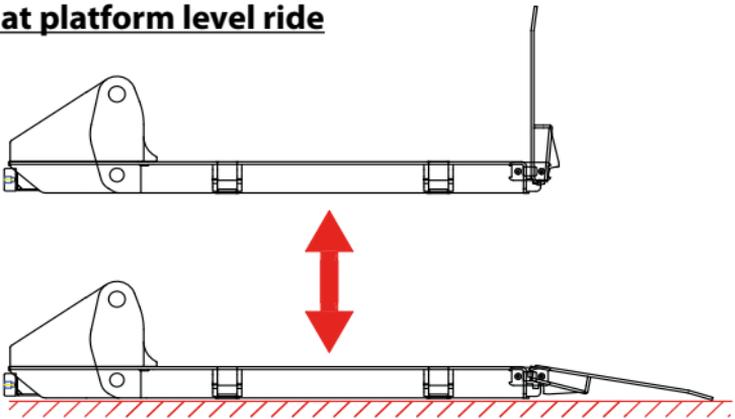
### Recommended for:

- ▶ applications where the load is stable on the platform: parcels, tyres, boxes, white & brown goods, drums, etc...
- ▶ Low-budget, low-maintenance environment

### Used on:

DH-RP lifts

## ③ Flat platform level ride



The platform remains level during the full lifting / lowering cycles. The rear end of the platform can be a fixed leading edge, or hinged ramps which adjust more easily to uneven surfaces.

### Recommended for:

applications where the load is unstable on the platform: roll-cages, tall and top-heavy objects

### Used on:

DH-LK and DH-SK lifts, most column lifts, most passenger lifts

# Control units for all applications...



DHOLLANDIA offers a wide variety of different control units to suit particular lift models, special applications and the client's individual requirements. Instructions for mounting and risk analysis are available in the mounting instructions.

## Most popular auxiliary controls



OAE001



OAE005



OAE011



OAE015



OAE060



E0452 / E0453

## Most commonly used exterior control boxes

(conform with CE safety regulations, all exterior control boxes sold in Europe have mandatory 2-hand control)



### **OAE030.BT**

Exterior control box with joy-stick, safety switch and main battery isolator switch



### **OAE031.Z (OAE035.Z)**

3+1 button (or 4+1 button) control unit, integrated in the body panel, or mounted under the vehicle body, without isolator switch



### **OAE039.BP**

Exterior control unit incorporated in the cover of the pump unit, with joy-stick, safety switch and main battery isolator switch



### **OAE041.BP**

Arctic exterior control box with IP67 rated push buttons, safety switch and main battery isolator switch



### **OAE043.BT**

Slim-line arctic exterior control box with IP67 rated toggle switches and main battery isolator switch



## ... and an endless list of options to choose from



**DHOLLANDIA** offers an almost endless list of electrical, hydraulic and mechanical options to fine-tune the lift to the client's individual requirements.

The most popular options involve:

- ▶ Control & ergonomics: various main and auxiliary controls
- ▶ Visibility: flashing platform lights & flags
- ▶ Load handling: roll-stops for pallets and roll cages
- ▶ Stability: hydraulic and mechanical stabilising legs
- ▶ Access: side loading ramps
- ▶ Operator safety: safety rails and fall protection, anti-slip platform surface finish & coatings
- ▶ Installation: quick-fit mounting solutions, plug & play connections
- ▶ Independence: battery & charging systems
- ▶ Finish: HOT-DIP ZINC PLATING, Protection Plus or individualised RAL colour schemes



# Reading help

## Lift capacity

Hydraulic tail lifts are not designed to LIFT / LOWER weights corresponding to their nominal capacity over the full surface of the platform. The nominal capacity is valid at a certain distance or centre of gravity, measured behind the rear of the vehicle body. Behind that centre, which is marked on the platform, the maximum safe working load of any brand of tail lifts diminishes according to specific load diagrams supplied with the lift.

Since lifts are being sold in many capacities and with various centres of gravity, it may seem a difficult task to make an objective comparison. Therefore, the concept load moment combines the nominal lift capacity with the applicable centre of gravity. It allows us to compare the total performance of the machine and to get some appreciation of its ability to endure heavy duty conditions over a longer time period.

Load moment = lift capacity x centre of gravity

Example: 2 lifts with identical capacity but different centre of gravity:

### Type DH-LM.20 :

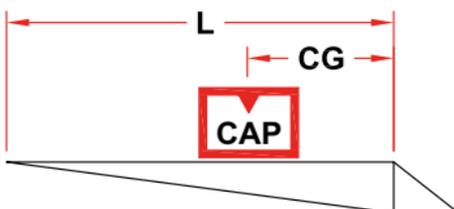
CAP	CG	LM
1500 kg	750 mm	11.25 kNm
2000 kg	750 mm	<b>15 kNm</b>

### Type DH-LM.30 :

CAP	CG	LM
1500 kg	1000 mm	15 kNm
2000 kg	1000 mm	<b>20 kNm</b>
2500 kg	1000 mm	25 kNm
3000 kg	1000 mm	30 kNm



$$2000 \text{ kg} \times 750 \text{ mm}$$
$$20 \text{ kN} \times 0.75\text{m} = 15 \text{ kNm}$$



$$\text{LM} = \text{CAP} \times \text{CG}$$

CAP = nominal lift capacity  
CG = centre of gravity  
LM = load moment = CAP x CG

## Units of measurement

Unless stated otherwise within the text, all weights are expressed in kg and all dimensions in mm.

## Weight indications of the lifts

### Weights:

#### **STEEL platform**

1750 mm	? kg
2000 mm	? kg

#### **ALU platform**

1800 mm	? kg
2000 mm	? kg

DHOLLANDIA lifts are available with a wide choice of different lift arms, lift frames and mounting plates, to allow integration to a wide variety of vehicles in optimum circumstances. Furthermore, most lifts are available with different platform designs and a long list of options to adapt the lift to the client's individual needs.

As a consequence, the weights mentioned in our sales literature are indicative and must be read : "from ... kg onwards". The real weights might vary according to the type of vehicle and the execution of the lift. Ask your national DHOLLANDIA distributor for further detail.

## Voltage

Unless stated otherwise within the text, all systems mentioned are designed for 12V - 24V commercial vehicles. Other voltage systems are available on request.

## Half width platforms, foldable platforms

All types of cantilever lifts (see chapter 3) are available with the standard platform, covering the full width of the vehicle body. But certain types are also available with half width or partial width platforms and vertically foldable platforms.

This possibility is indicated as follows:



Full width platform available



Half / partial width platform available



Half width frame + foldable platform available



Half / partial width platform not available



Half width frame + foldable platform not available



# 2

## Lifts for factory built panel vans





→ Tail lift for factory built panel vans

## DH-P1.03 • 300 kg



The DH-P1 is a **linear 1-arm lift**, suitable for mounting inside the rear or side doors of a wide range of Multi Passenger Vehicles and vans.

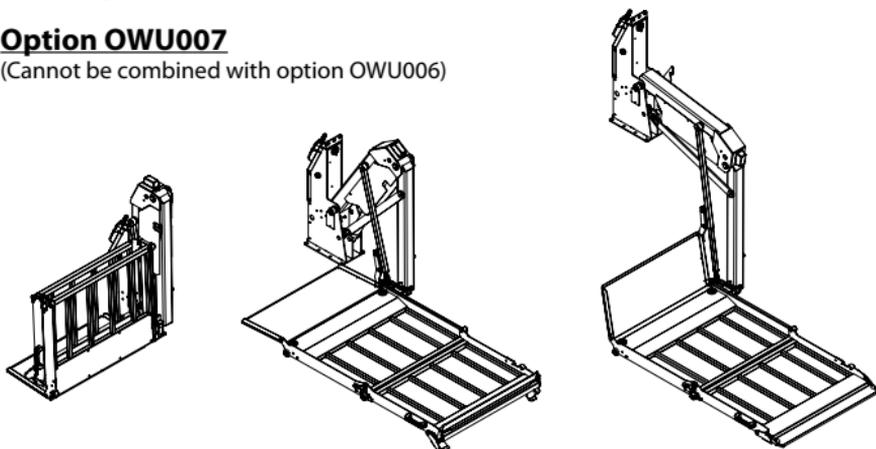
In its standard configuration, the DH-P1 has its travel position just inside the doors of the vehicle. As an option, it can be equipped with an **articulated frame**, that allows to stow the platform against the side of the body, keeping the access through the vehicles doors free.

The platform is **flat**, so that goods, such as roll-cages, white & brown goods, small machinery,..., can be loaded with minimal effort.

The DH-P1 can be mounted at the rear doors or at the side door; at the left or right side in the door aperture.

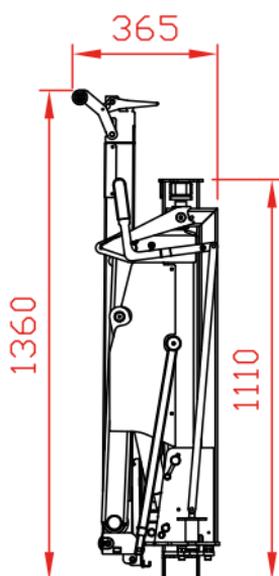
### **Option OWU007**

(Cannot be combined with option OWU006)

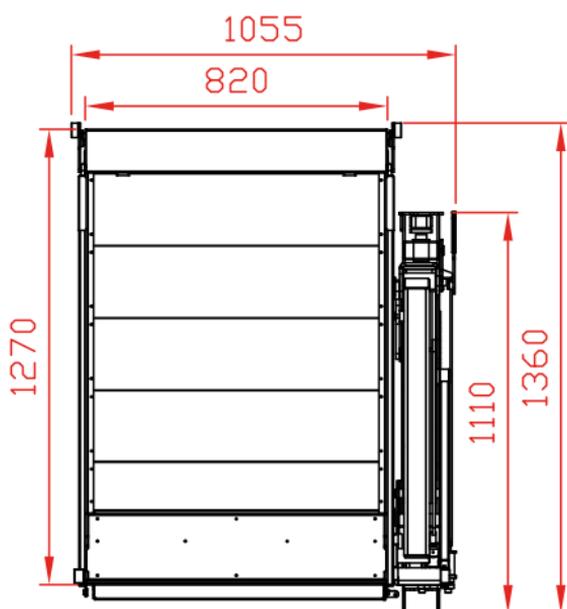


# Step-in model, easy to use and flexible

OWU006 in travel position  
mounted right side



OWU006 in work position  
mounted right side



## Lift capacity

CAP	CG	LM
300 kg	500 mm	1.5 kNm

## Weights [see pg. 15]

	Standard	OWU006
	1260 mm	123 kg
		139 kg

## Fitting dimensions

ARM	600	700
K max.	700	950

## Technical specifications

Lift frame	<ul style="list-style-type: none"> <li>• 1 lift arm</li> <li>• Standard = fixed frame: the closed platform stands in the door aperture</li> <li>• Option OWU006 = articulated frame: the platform can be stowed in a travel position against the side of the body</li> </ul>
Cylinders	1 lift cylinder
Type of ride [see pg. 8-9]	Flat platform, level ride
Platform material	Steel frame + aluminium profiles
Platform equipment	<ul style="list-style-type: none"> <li>• Automatic roll-stop at the rear edge of the platform</li> <li>• Automatic bridge plate and toe-guard at the front edge of the platform</li> </ul>
Standard platform depths	1080 - 1170 - 1260 mm Other depths on request (OWP002.L)
Standard platform widths	820 standard / 720 optional (OWP002.W)
Standard control unit [see pg. 10]	OAE001
Standard finish of the lift frame	Protection PLUS [OAT102]



→ Tail lift for factory built panel vans

## DH-P2.04 • 450 kg

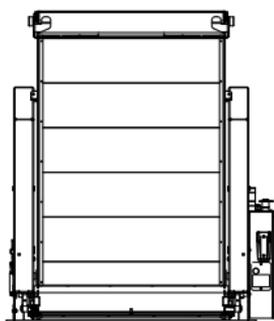


The DH-P2 is a fully automatic linear lift, suitable for mounting **inside the cargo space** of the vehicle. It can be mounted at the rear doors or at the side doors of a wide range of Multi Passenger vehicles and vans.

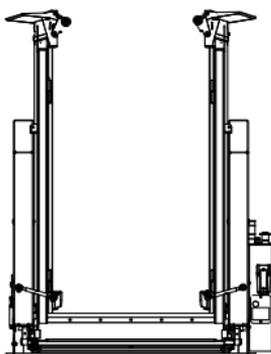
In comparison to the 1-arm model DH-P1, the reinforced construction with 2 lift arms provides additional lift capacity and maximum platform stability. It increases the stability of the load on the platform, and the safety of the operators.

The platform is **flat**, so that goods, such as roll-cages, white & brown goods, small machinery,..., can be loaded with minimal effort.

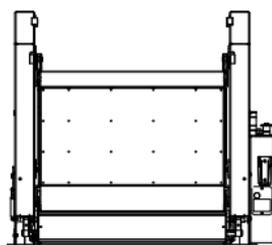
Standard



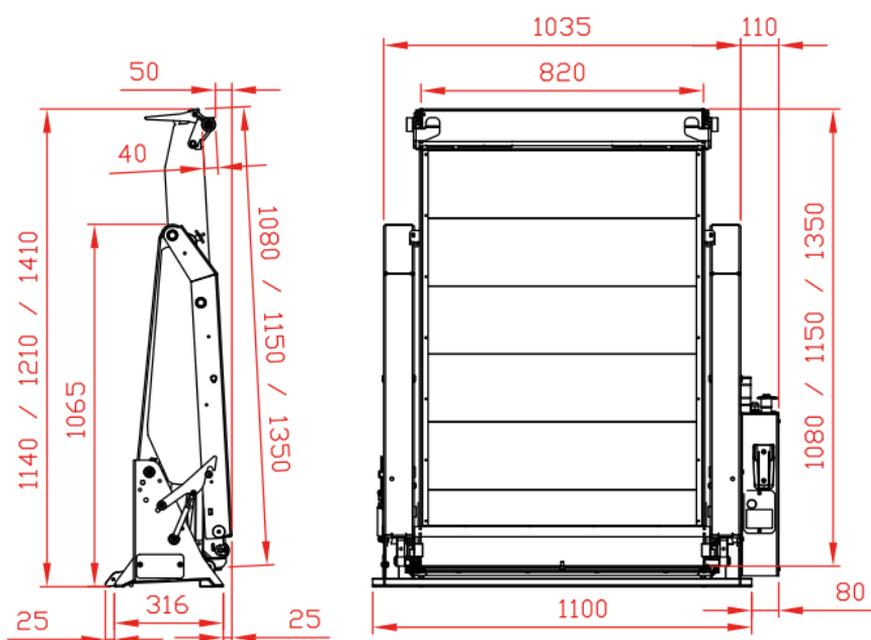
Option OWU001 / OWU002



Option OWU003



# Standard 450 kg internally mounted linear 2-arm lift



## Lift capacity

<b>CAP</b>	450 kg
<b>CG</b>	500 mm
<b>LM</b>	2.25 kNm

## Weights [see pg. 15]

Alu platform	
1350 x 820	137 kg
1150 x 820	133 kg
1080 x 820	131 kg
S953	+10 kg
S957	+6 kg

## Fitting dimensions

ARM	700
K max.	900

## Technical specifications

Lift frame	2 lift arms
Cylinders	2 lift cylinders
Type of ride [see pg. 8-9]	Flat platform, level ride
Platform material	Steel frame + aluminium profiles
Platform equipment	<ul style="list-style-type: none"> <li>Automatic roll-stop at the rear edge of the platform</li> <li>Automatic bridge plate and toe-guard at the front edge of the platform</li> </ul>
Standard platform depths	1080 - 1150 - 1350 mm Other depths on request (OWP002.L)
Standard platform widths	820 standard / 920 optional (OWP002.W)
Standard control unit [see pg. 10]	OAE001
Standard finish of the lift frame	Protection PLUS [OAT102]



→ Lift for vans, trucks, trailers and semi-trailers

## DH-P2.07 • 750 kg



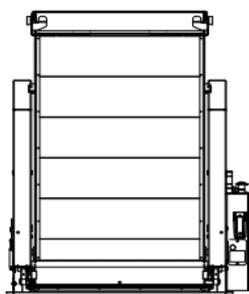
The DH-P2.07 is the **heavy-duty execution** of the DHOLLANDIA range of internally mounted lifts. It offers:

- a more powerful lift mechanism with **500-750 kg** lift capacity (subject to vehicle restrictions. Ask our advice)
- **larger platforms** up to 1600 mm long and 920 mm wide
- **increased lifting height** up to 1150 mm.

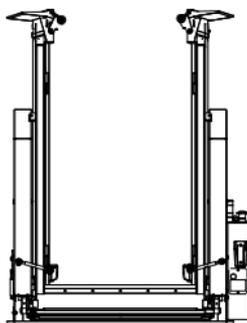
Hence, the DH-P2.07 is not only designed for factory built panel vans, but also suits larger trucks, trailers and semi-trailers.

The heavy duty linear lift is available in 2 executions: a standard full-closure platform; and a vertical split platform (option OWU001).

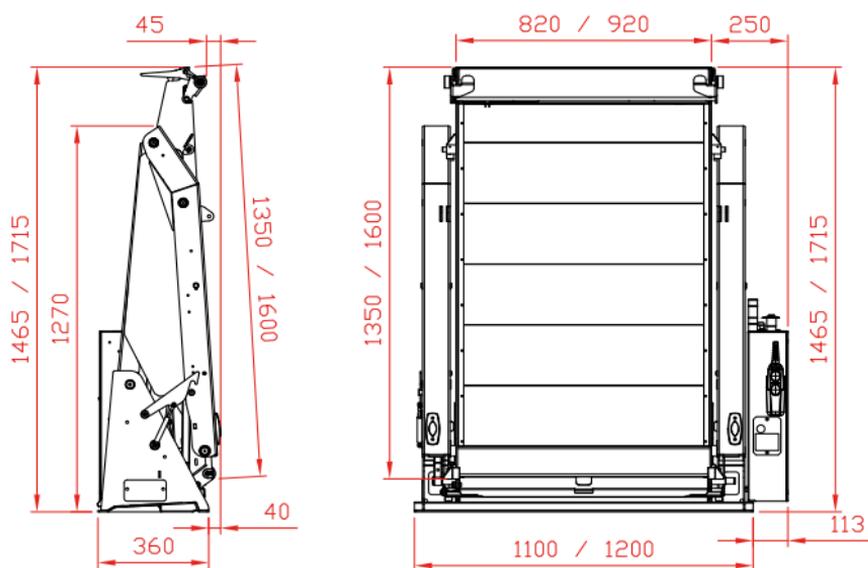
Standard



Option OWU001



# Heavy duty 750 kg internally mounted linear 2-arm lift



## Lift capacity

<b>CAP</b>	750 kg
<b>CG</b>	500 mm
<b>LM</b>	3.75 kNm

## Weights [see pg. 15]

Alu platform	
1350 x 820	180 kg
1600 x 920	190 kg
OWU001	+15 kg

## Fitting dimensions

ARM	800
K max.	1150

## Technical specifications

Lift frame	Reinforced lift frame with 2 lift arms
Cylinders	2 lift cylinders
Type of ride [see pg. 8-9]	Flat platform, level ride
Platform material	Steel frame + aluminium profiles
Platform equipment	<ul style="list-style-type: none"> <li>Automatic roll-stop at the rear edge of the platform</li> <li>Automatic bridge plate and toe-guard at the front edge of the platform</li> </ul>
Standard platform depths	1350 - 1600 mm Other depths on request (OWP002.L)
Standard platform widths	820 standard / 920 optional (OWP002.W)
Standard control unit [see pg. 10]	OAE001
Standard finish of the lift frame	Protection PLUS [OAT102]



→ Tail lift for factory built panel vans

## DH-LSP.07.04 • 500 - 750(\*) kg



The DH-LSP was the first external lift ever in the tail lift industry, **engineered to suit factory built panel vans**. DHOLLANDIA still continues to lead the innovations in this field today. The intelligent shape of the lift arms **eliminates the need to cut** in the vehicle chassis or rear floor cross member, and **maximises the ground clearance** under the lift.

The passage from the platform to the vehicle floor is realised by an articulated bridge plate, available as option on this lift (OAM008).

The DH-LSP is externally mounted, it doesn't occupy any useful cargo space inside the vehicle. It offers the largest possible platform surface on factory built panel vans, and is suitable for all types of cargo, including pallets.

### Lift capacity

CAP	CG	LM
350 kg	600 mm	2.1 kNm
500 kg	600 mm	3 kNm
750 kg (*)	600 mm	4.5 kNm

### Weights [see pg. 15]

ALU platform	
1300 mm	185 kg
1550 mm	192 kg

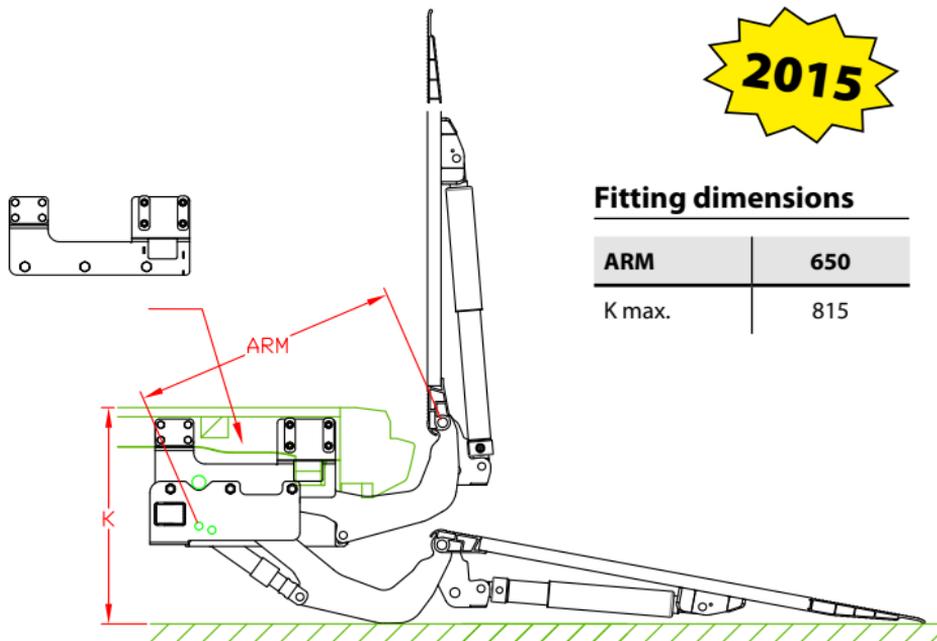
(\*) Depends on vehicle restrictions.  
Ask advice from DHOLLANDIA.

# Largest possible platform surface on factory built panel vans

**2015**

## Fitting dimensions

<b>ARM</b>	<b>650</b>
K max.	815



## Technical specifications

Lift frame	Compact frame for max. ground clearance
Cylinders	2 lift cylinders + 1 tilt cylinder
Type of ride [see pg. 8-9]	Wedged platform. Level ride + automatic tilt at ground level
Platform material	Light-weight aluminium
Standard platform depths	Alu: 1300 - 1550 mm Longer platforms on request (OAP302.A)
Standard platform widths	Alu: 1450 mm Free up to 1550 in steps of 5 mm
Lift arm lengths	650 mm
Lift arm widths CA	240 (LSPZ half width) - 674 mm Power pack premounted for CA=240 and CA=674. Ask confirmation from DHOLLANDIA.
Standard control unit [see pg. 11]	OAE031.Z
Standard finish of the lift frame	Protection PLUS [OAT102]

## Special mounting brackets are available for type 04:

- Citroën Jumper / Relay
- Fiat Ducato
- Ford Transit FWD
- Mercedes Sprinter / Vito
- Peugeot Boxer
- Renault Master FWD / Trafic
- Opel Movano FWD / Vivaro
- Volkswagen Crafter / LT / Transporter
- Nissan NV400 / NV200
- LDV Maxus V80



→ Tail lift for factory built panel vans

## DH-LSP.07 • 500 - 750<sup>(\*)</sup> kg



The DH-LSP.07 types 02 and 03 are derived from the basic model DH-LSP.05. Types 02 and 03 **solve a number of mounting issues** for well-defined types of vans, that couldn't be solved elegantly with the standard model.

The **innovating shape of the lift arms** is specially designed for vans where the vertical distance between the loading floor of the vehicle and the under side of the doors is significantly above average, and eliminates the necessity to cut in the steel construction of the body.

The passage from the platform to the vehicle floor is realized by an articulated bridge plate, available as option on this lift (OAM008).

Most frequently, type 02 is mounted to Iveco Daily, Renault Master RWD and equivalent vehicles; type 03 is specially adapted to Ford Transit RWD.

### Lift capacity

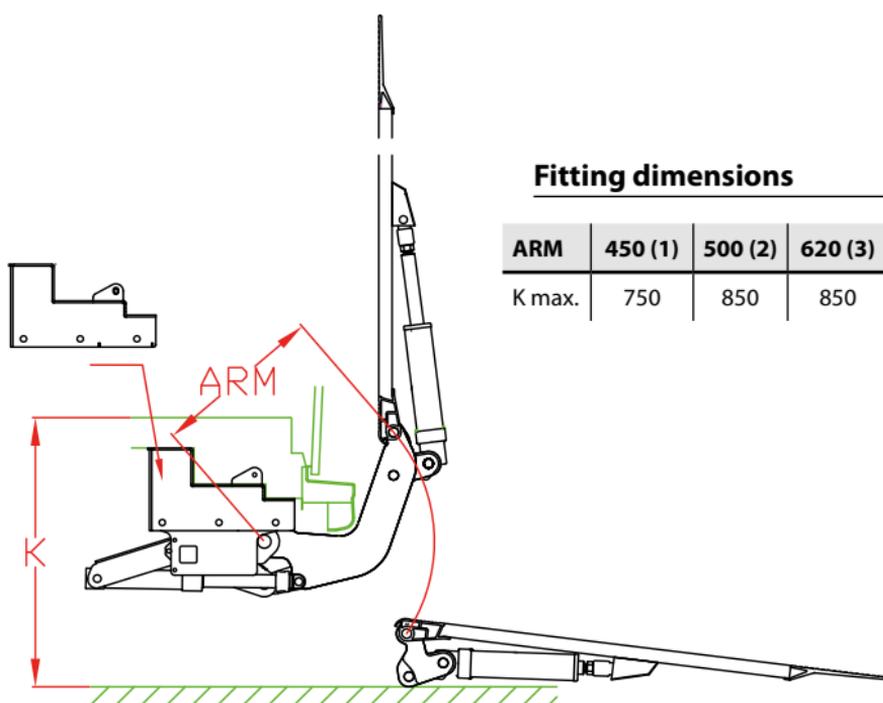
CAP	CG	LM
500 kg	600 mm	3 kNm
750 kg (*)	600 mm	4.5 kNm

### Weights [see pg. 15]

ALU platform	
1300 mm	183 kg
1550 mm	190 kg

(\*) Depends on vehicle restrictions.  
Ask advice from DHOLLANDIA.

# Largest possible platform surface on factory built panel vans



## Fitting dimensions

ARM	450 (1)	500 (2)	620 (3)
K max.	750	850	850

- (1) Renault Master RWD, Opel Movano RWD, Nissan NV400 RWD  
 (2) Iveco Daily  
 (3) Ford Transit RWD

## Technical specifications

Lift frame	Compact frame for max. ground clearance
Cylinders	2 lift cylinders + 1 tilt cylinder
Type of ride [see pg. 8-9]	Wedged platform. Level ride + automatic tilt at ground level
Platform material	Light-weight aluminium
Standard platform depths	Alu: 1300 - 1550 mm Longer platforms on request (OAP302.A)
Standard platform widths	Alu: 1450 mm Free up to 1550 in steps of 5 mm
Lift arm lengths	450 - 500 mm
Lift arm widths CA	240 (LSPZ half width) - 674 mm
Standard control unit [see pg. 11]	OAE031.Z
Standard finish of the lift frame	Protection PLUS [OAT102]

## Special mounting brackets are available for:

- Renault Master RWD (T2)
- Opel Movano RWD (T2)
- Iveco Daily (T2)
- Nissan NV400 RWD (T2)
- Ford Transit RWD (T3)



→ Tail lift for factory built panel vans

## **Option OAT200**

**Kit without  
rear doors**



## **DH-LSPZ**

**Folding  
platform,  
free access**



## **Option OAF202**

**Mounting system  
for ball coupling**



# DH-LSP special executions

The option OAT200 is designed for the height H2 of most brands of factory built panel vans. The longer platform and the purpose built body kit **replace the original rear doors** of the vehicle.

It offers increased surface to manoeuvre loads around on the platform, and simplifies the routine of opening & closing the lift. Whilst offering excess platform surface, the applicable centre of gravity must still be observed.

In this configuration, the platform arrives flush at the loading floor. No bridge plate (OAM008) is needed. The kit and platform dimensions depend on the type of vehicle.

The DH-LSPZ is available as **half-width platform**, or with a **folding full-width platform** (option OAP406).

When the platform stands in its travel position, the driver has **free access** to the cargo space inside the van.

When large or heavy loads must be handled, the platform can be opened into horizontal work position, and unfolded to a full width platform in a matter of seconds (OAP406).

## Weights [see pg. 15]

1/2 width	
1300 mm	160 kg
1550 mm	164 kg

## Weights [see pg. 15]

OAP406	
1300 mm	190 kg
1550 mm	199 kg

The option OAF202 is a certified mounting system for **ball couplings for trailers**, with following specifications:

- Max. D-value = 20,2 kN
- Max. vertical load S at the coupling point = 150 kg

In most mounting situations, it is recommended to use a demountable ball coupling system (Rockinger Variobloc or equivalent).



→ Tail lift for factory built panel vans

## DH-LC.15 • 1000 - 1500 kg



The DH-LC.15 offers 1500 kg lift capacity for the **higher capacity factory built panel vans** from 4.5 up to 7.5T GVW (e.g. Mercedes Vario, Iveco Daily,...).

The passage from the platform to the vehicle floor is realised by an articulated bridge plate, available as option on this lift (OAM008).

The lift concept has been engineered to maximize the ground clearance under the lift and to reduce the cut-outs in the rear cross member of the vehicle floor to a negligible minimum.

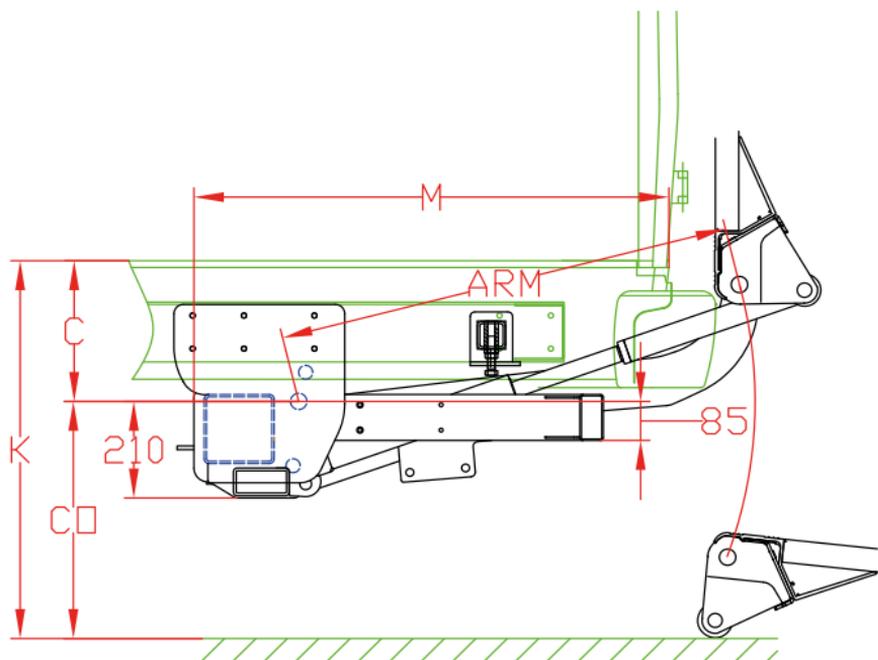
### Lift capacity

CAP	CG	LM
1000 kg	600 mm	6 kNm
1500 kg	600 mm	9 kNm

### Weights [see pg. 15]

ALU platform	
1250 mm	330 kg
1450 mm	337 kg
1600 mm	342 kg

# For the trucks among the factory built panel vans



## Fitting dimensions

ARM	980
K max.	1500
C max.	850
C min.	300
CO max.	650
M at C max.	650
M at C min.	1015

## Technical specifications

Lift frame	150 x 150 mm
Cylinders	1 lift cylinder + 2 tilt cylinders
Type of ride [see pg. 8-9]	Wedged platform. Level ride + automatic tilt at ground level
Platform material	Light-weight aluminium
Standard platform depths	Alu: 1250 - 1450 - 1600 mm Longer platforms on request (OAP302.A)
Standard platform widths	Free up to 1600 in steps of 5 mm
Lift arm lengths	980 mm
Lift arm widths	500 mm
Standard control unit [see pg. 11]	OAE031.Z
Standard finish of the lift frame	Protection PLUS [OAT102]

## Special mounting brackets are available for:

- Mercedes Vario



→ Cassette lift for factory built panel vans

## DH-C001.03 • 300 kg



The cassette lift DH-C001 stows neatly in a sealed cassette box under the loading floor of the vehicle. This solution keeps the **access through the rear doors free** and **occupies no space inside the vehicle**.

The DH-C001 can be mounted to most types of commercial vans with a max. floor height of 850 mm.

The flat platform is suitable to handle roll-cages, small machines & equipment, white & brown goods, etc... It is not suitable to manipulate pallets.

To keep this lift light, simple and budget friendly, the retraction of the platform is done by hand.

### Lift capacity

CAP	CG	LM
300 kg	500 mm	1.5 kNm

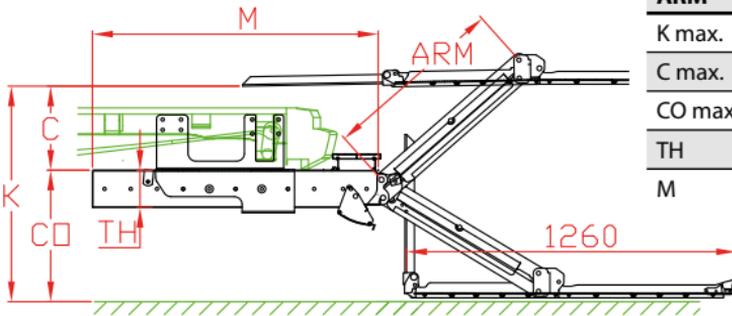
### Weights [see pg. 15]

ALU platform	
Std.	145 kg

# Handy to have on board, for the occasional use



## Fitting dimensions



ARM	700
K max.	850
C max.	350
CO max.	500
TH	145
M	1090

## Technical specifications

Lift frame	2 lift arms
Cylinders	2 lift cylinders + 2 fixed stabilisers
Type of ride [see pg. 8-9]	Flat platform, level ride
Retraction in / out	<ul style="list-style-type: none"> <li>• Manual</li> <li>• Automatic retraction possible with model DH-CH001.03</li> </ul>
Platform material	Steel frame + aluminium profiles
Platform equipment	<ul style="list-style-type: none"> <li>• Fixed platform point</li> <li>• Automatic roll-stop as option (OWH100)</li> <li>• Bridge plate and toe-guard at the front edge of the platform</li> </ul>
Standard platform dimensions	1270 x 800 mm
Standard control unit [see pg. 10]	OAE001
Standard finish of the lift frame	Protection PLUS [OAT102]



→ Lift for vans, trucks, trailers and semi-trailers

## DH-VZ.03 • 300 kg



The interior column lift DH-VZ is designed to suit a wide range of Multi Passenger Vehicles, vans, and even larger commercial vehicles.

In its travel position, the platform is **stowed against the side panel** of the vehicle. Upon use, the lift frame is turned to a work position outside the vehicle. Then the platform is opened by hand. The hydraulic lift functions are operated by means of 2 buttons integrated in the lift column.

The standard platform is made of 1 single section. **Foldable platforms** (option S719) are available for vehicles with insufficient door aperture, or in order to increase the overall useful platform surface.

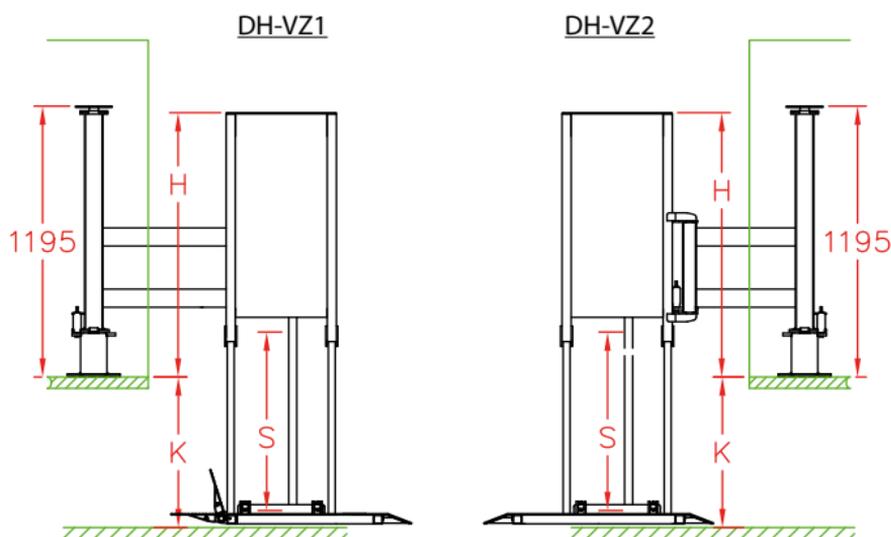
### Lift capacity

CAP	CG	LM
300 kg	500 mm	1.5 kNm

### Weights [see pg. 15]

ALU platform	
Std.	140 kg

# Column lift with free access through the doors



## Fitting dimensions

Stroke S	750	1150 (1)	1550 (2)
K max.	700	1100	1500
H	1165	1565	1965

(1) Option S716    (2) Option S717

## Technical specifications

Lift frame	<ul style="list-style-type: none"> <li>• Column lift with single pillar</li> <li>• VZ1: frame with 1 articulation point. In work position the platform stands right behind the body</li> <li>• VZ2: frame with 2 articulation points. The platform can pivot towards the pavement</li> </ul>
Cylinders	1 lift cylinder
Type of ride [see pg. 8-9]	Flat platform, level ride
Platform material	Steel frame + aluminium anti-slip top plate
Platform details	<ul style="list-style-type: none"> <li>• VZ1: hinged bridge plate at the front edge of the platform</li> <li>• VZ2: platform in 1 single section</li> </ul>
Standard platform dimensions	VZ1: 900x800 mm • VZ2: 900x1000 mm Other dimensions (S718) & foldable platforms (S719) available on request
Standard control unit	2-button control integrated in the lift column
Standard finish of the lift frame	Protection PLUS [OAT102]



→ Lift for vans, trucks, trailers and semi-trailers

## DH-VZS.03 • 350 kg



In its travel position, the interior lift **DH-VZS** is stowed against the side of the body and offers the driver **quick and free access** through the vehicle doors. Upon use, the platform is simply pulled out and opened by hand. As the platform slides straight towards the door exit, the floor space beside it can be fully occupied (as opposed to the DH-VZ.03). A wander lead with spiral cable is used to operate the platform up and down.

The DH-VZS is perfectly suitable to handle roll cages, small machines and equipment, white & brown goods, packages, e-business,...

It fulfils the needs of the professionals of the **urban distribution**, the vehicle **rental business** and the **occasional user** wanting to maximize the flexibility of his vehicle.

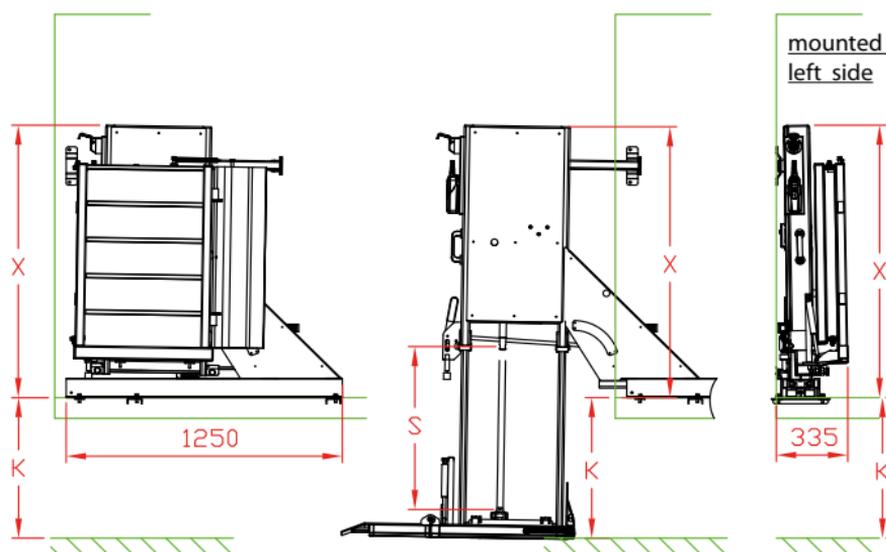
### Lift capacity

CAP	CG	LM
350 kg	500 mm	1.75 kNm

### Weights [see pg. 15]

ALU platform	
1000x820 mm	155 kg

# Offering free access & maximum interior loading space



## Fitting dimensions

Stroke S	750	850	1150	1550 (*)
K max.	620	720	1020	1420
X	1250	1350	1650	2050

(\*) optional

## Technical specifications

Lift frame	Telescopic lift frame, sliding in / out on a rail mounted to the vehicle floor
Cylinders	1 lift cylinder
Type of ride [see pg. 8-9]	Flat platform, level ride
Retraction in / out	Manual, the platform is pulled out and opened by hand
Platform material	Steel frame + aluminium anti-slip top plate
Standard platform dimensions	1000x820 mm or 1050x1030 mm Other dimensions on request
Platform specifications	<ul style="list-style-type: none"> <li>• Flat platform for easy access</li> <li>• Fixed leading edge at rear side</li> <li>• Articulated bridge plate at the front side</li> <li>• Platform is folding for compact storage</li> </ul>
Fitting	<ul style="list-style-type: none"> <li>• Easy, universal mounting to a wide range of commercial vehicles</li> <li>• Can be mounted left or right, at the rear doors or side doors</li> </ul>
Standard control unit [see pg. 10]	OAE001
Standard finish of the lift frame	Protection PLUS [OAT102]



→ Lift for vans, trucks, trailers and semi-trailers

## DH-VZG.01 • 150 kg



The DH-VZG is a safe and easy-to-use compact interior lift, designed to handle **small loads** (parcels, boxes, barrels, small machinery,...).

Option S970 is specially adapted for **gas bottles**. It includes a smaller platform and a bottle holder to secure the bottles in vertical position.

The DH-VZG is available with a fixed frame or an articulated frame (see right page).

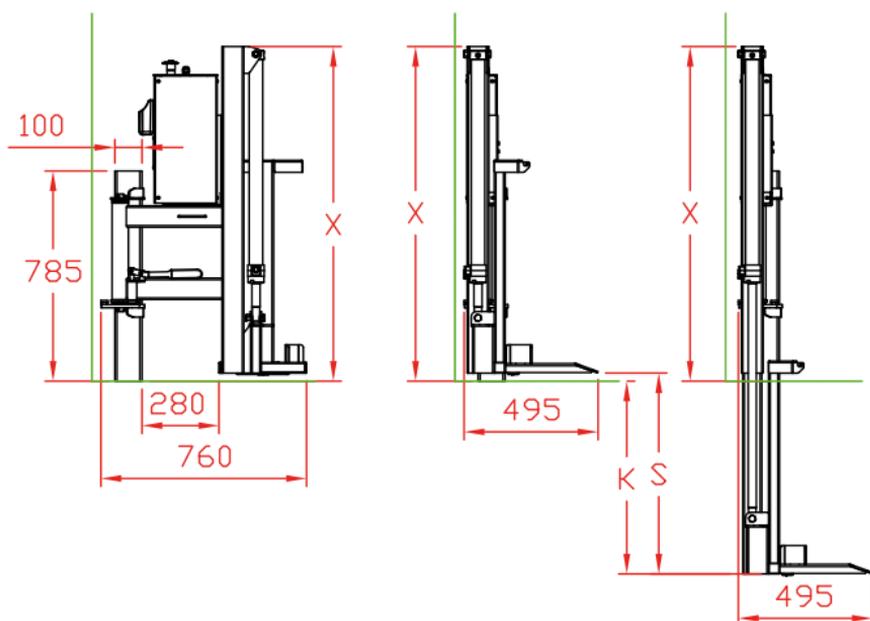
### Lift capacity

CAP
150 kg

### Weights [see pg. 15]

Steel platform	
Std.	70 kg

# Compact, simple lift for the smallest loads



## Fitting dimensions

<b>Stroke S</b>	<b>750</b>
K max.	725
X	1250

## Technical specifications

Lift frame	Single column with telescopic lift mechanism
Type 1: <b>fixed frame</b>	The platform travels straight up / down from its mounting position in the vehicle (only suitable for chassis with body, not for factory built panel vans)
Type 2: <b>articulated frame</b>	The platform can pivot from a travel position inside the vehicle to a work position outside the vehicle, then go up / down (can be fitted at the rear or side doors, suitable for factory built panel vans)
Cylinders	1 lift cylinder
Type of ride [see pg. 8-9]	Flat platform, level ride
Standard platform dimensions	<ul style="list-style-type: none"> <li>• 600x480 mm</li> <li>• Option S970 GAS lift: 315x340 mm</li> </ul>
Platform specifications	Flat platform for easy access, steel
Fitting	Single column, to be mounted to the vehicle floor and to the side of the vehicle body
Standard control unit [see pg. 10]	OAE001
Standard finish of the lift frame	Protection PLUS [OAT102]

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