

# Low lifters

**AC**  
tech

7  
models



worldwide network

24/7  
support

MDW • MDE • PLF • PLR • PLS • ERGO ALL/XLL



 **Li-ION**

A family of low lifter trucks for

# High demands on productivity





**Your truck is important. Its operation is most important of all.**

That is why UniCarriers 360° is a complete solution for your business, covering service, fleet information, health & safety, training, tools, equipment and financing.

**We know how to optimise your operation.**

Manage your pallet loads with power and ease. From the shop floor to heavy-duty industrial environments, there's a UniCarriers truck designed to meet your precise needs in any situation. You can easily create a truck fleet to safeguard your operations. And with advanced technology and ergonomics, our family of low lifters is guaranteed to get the job done in all conditions. What's more, smart modular design using fewer components maximise uptime and contributes to low life-cycle costs.



## MDW

Compact and robust with high lift height

Model	MDW160	MDW180	MDW200
Lift capacity, kg	1,600	1,800	2,000
Load centre, mm	600	600	600
Truck width, mm	720	720	720



## MDE

Versatile and ergonomic

Model	MDE200
Lift capacity, kg	2,000/700
Load centre, mm	600
Truck width, mm	720



## Top features

- Sealed chassis offers protection against dirt, dust and other particles to reduce wear.
- Robust construction offers durability in all working conditions including outdoor operation.
- The oil-filled and sealed transmission is shock-resistant, quiet and requires little maintenance.
- Highly-efficient electronic system features waterproof components for maximum reliability – even in damp conditions.
- Robust forks with welded construction and rounded tips for effortless pallet entry, providing extra strength and durability.
- Market leading lift height of 220 mm from floor (lift moment 135 mm) allows easy handling on steep ramps and loading docks, even with damaged pallets.
- High level of stability ensured by use of two linked castor wheels next to the central drive wheel, in addition to the two load wheels.
- Versatile battery compartment accommodates DIN and BS size batteries with a variety of capacities for maximum compatibility with user's equipment and needs.
- Choice of two performance modes via key switch enhances safety, energy efficiency and productivity.

## Options

- Choice of drive and load wheels for different applications
- Pallet entry and exit rollers
- Wide variety of fork dimensions
- Cold store modification (Class III, -35°C)
- Load backrest
- LED working light (MDW and MDE)
- Multifunctional display with hour meter
- Equipment bar for mounting accessories
- Single load wheels (standard on MDW160)

Rapid and/or double battery change device (MDW180 and MDW200)



# PLF

Its unique damping and traction system make this power pallet truck the most efficient and ergonomic on your loading docks.



	PLF200	PLF250
Capacity, kg	2,000	2,500
Foldable platform	✓	✓
Foldable side protection bars	✓	✓
Mini, Junior or Senior chassis	✓	✓
TDS concept	✓	✓
Mechanical steering	✓	✓
Power steering	○	○
Power tiller arm	○	○

UniCarriers' low lifters are built with a shared component strategy to keep service costs and TCO down, and to ensure maximum uptime. The PLF/PLR/PLS features a heavy-duty chassis with integrated bumper and is available in three different sizes; Mini, Junior and Senior to suit your battery capacity requirements (both Li-ION and lead acid). The fork's lifting height is 220 mm, which is especially important on ramps and loading docks.

# PLR

Rear entry model with an electrically adjustable dampened platform for intense loading/unloading.



	PLR200	PLR250
Capacity, kg	2,000	2,500
Driver protected platform, rear entry	✓	✓
Mini, Junior or Senior chassis	✓	✓
TDS concept	✓	✓
Power steering	✓	✓
Power tiller arm	✓	✓
EControl steering arm	○	○

# PLS

Side entry model with an electrically adjustable dampened platform for various applications and order picking where driver safety is key.



	PLS200	PLS250
Capacity, kg	2,000	2,500
Driver protected platform, side entry	✓	✓
Mini, Junior or Senior chassis	✓	✓
TDS concept	✓	✓
Power steering	✓	✓
EControl steering arm	✓	✓



## Safety

- Excellent driver protected platform with adjustable damping system
- Dynamic Cornering Control
- Active spin reduction (ASR)
- Foot protection (only on PLR)
- Drive wheel grip – best in class

## Unique TDS concept (patent pending)

Loading and unloading is the most demanding application for truck and driver. Requirements like maximum traction, damping and stability (TDS) are not usually easy to combine, but our new TDS concept provides excellent traction even in wet conditions. In addition to that, the truck also offers outstanding damping when travelling over uneven surfaces and great stability when cornering, even with high loads. It was possible to solve these difficult challenges through a deep understanding of the application and the development of new, advanced technologies.

## Excellent ergonomics for driver comfort

The foldable platform is well dampened to provide a high level of comfort for the driver. Quickly and easily foldable side protection bars come as standard for increased drive speed and safety. The side- and rear entry driver protected platforms are dampened and customised damping for individual preferences is available on an optional basis.

## Battery change possibilities

PLF/PLR/PLS come with a lift out battery as standard. Batteries on rollers are optional for quick and easy battery change in multishift operations.



Power steering



Mechanical steering



EControl steering



All three models are equipped with well-dampened platforms as standard. The PLR and PLS are also available with the option of adjustable platform damping, which allows the driver to configure the hardness of the dampening according to their preference.



## Features and options for more efficient handling

Simplify the truck driver's tasks



Equipment bar for the attachment of different accessories, e.g. writing desk, working lights.



LED working lights to illuminate forks when driving in poor lighting conditions.



Multipurpose tray allows for storage of cylindrical objects, e.g. shrink wrap holder.



Marking on forks to ensure correct position of pallet.



Foot protection option stops the truck automatically when the driver's feet move off the platform.



Multifunction display – advanced graphical display with keypad allows operator to interact with display.



### Ergonomic tiller head and optimised steering options

PL-range low lifters come with a rigid "heavy duty" tiller head which takes ergonomics to new levels. Its scientifically designed, optimised and angled cross-section handle, throttle wheel shape, hand space and big horn buttons make steering and controls easy to reach and touch for improved safety and manoeuvrability. Naturally, it is IP 65 protected for outstanding durability in harsh conditions. Three different steering options are available depending on the truck model; Standard tiller arm, Power tiller arm and EControl steering, all designed for optimised driver position.



# ERGO ALL

Fast, compact and tough

Model ERGO	ALL 200	ALL 300
Lift capacity, kg	2,000	3,000
Load centre, mm	600	600
Truck width, mm	940	940

## Safety and ergonomics for productivity

The operator is fully enclosed in the truck for maximum safety. The operator's area is spacious with fully adjustable steering wheel height and right-hand armrest. A low step-up height into the vehicle and a dampened floor help the operator to work efficiently for the whole shift.

## Stand-in versatility

This versatile heavy-duty stand-in transporter provides the operator with an ergonomic position with excellent all-round visibility – your perfect partner for long handling cycles and heavy goods flows. Its compact design makes it ideal for confined spaces.



# ERGO XLL

Comfortable and speedy

Model ERGO	XLL 200	XLL 300
Lift capacity, kg	2,000	3,000
Load centre, mm	600	600
Truck width, mm	1,010	1,010

## Sit-on comfort and efficiency

Designed for intensive heavy-duty operations, the Ergo XLL is a comfortable sit-on transport truck for all types of loads. UniCarriers' unique mini steering wheel with armrest reduces strain on the back, shoulders and neck. The fully adjustable armrest, seat and floor make it easy to find the perfect driving position.

## Optimised performance

Powered with a high performance AC drive motor, the high travel speed of the XLL – loaded or unloaded – ensures fast operation. Our Stability Support System S3 ensures industry-leading safety performance by automatically controlling the speed when manoeuvring.

It's all about  
the price.  
**But what  
price?**

## **Reduce your Total Cost of Operation with UniCarriers**

We agree. Price is everything. Or to be more specific: your Total Cost of Operation (TCO). That's why we're so focused on cutting costs and improving your material handling. The truck and its performance play an important role, but this is even more about how we can support you in optimising your warehouse operations to give you the best value for your money. Which – in the long run – is what creates a winner.

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