

# Stackers

**AC**  
tech

11  
models



worldwide network

**PS**

pallet stackers

24/7  
support

ERGO A • ERGO X • PS • PSH • PSL • PSP  
PDP • PSD • ERGO XML • ERGO ATF • XTF



# The revolutionary UniCarriers Stackers

**11**  
models

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PS • PSH • PSL  
PSP • PDP • PSD  
ERGO XML  
ERGO ATF • XTF

**AC**  
tech

**PS**  
pallet stackers





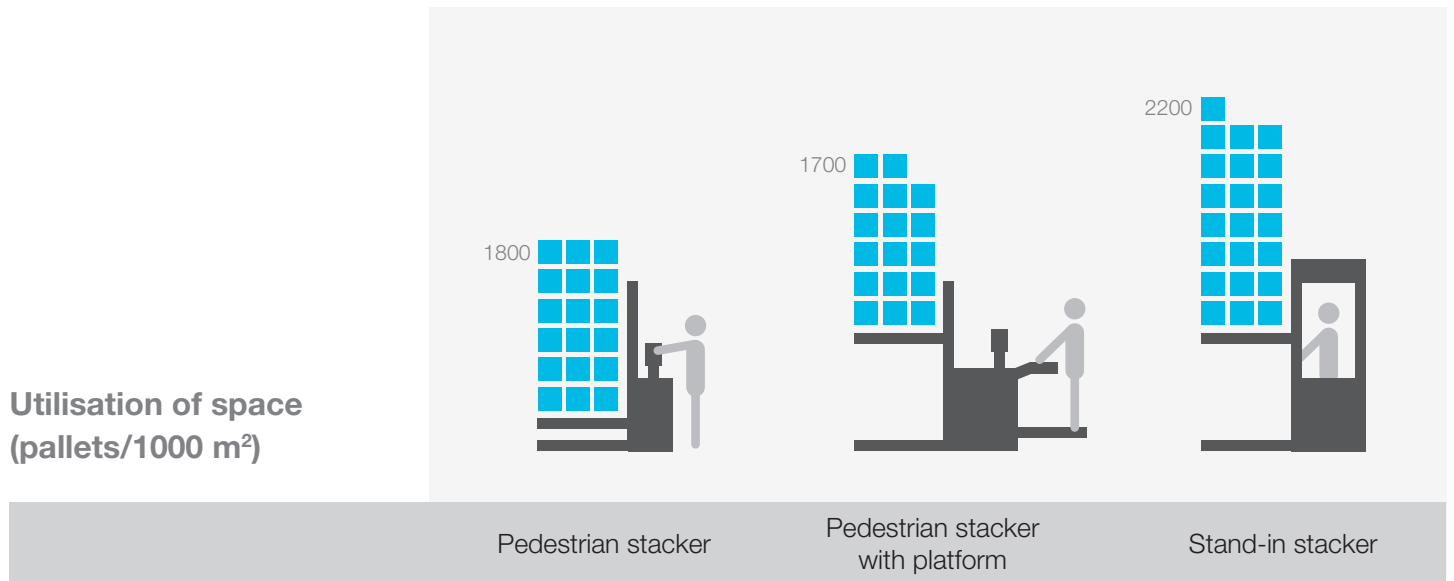
UniCarriers designs, manufactures and supports the most advanced material handling equipment. By integrating the three distinctive brands of Atlet, Nissan Forklift and TCM, UniCarriers is the perfect mixture of Japanese quality and technology as well as Swedish design and ergonomics. UniCarriers represents more than 65 years of industry experience, an unparalleled global reach and deep understanding of local markets.

The UniCarriers warehouse revolution began in 1961 when we pioneered the ergonomic and efficient stand-in stacker. This opened new possibilities for economical storage and efficient handling. And today, that revolution is more vital than ever. Our range of stackers are designed to be the perfect tool for your unit load operations. World-class ergonomics contribute to more efficient and contented drivers, improved logistics and overall cost justification. High performance ensures your warehousing efficiency, while smart modular design maximises uptime and keeps down your Total Cost of Operation (TCO). TCO is the result of:

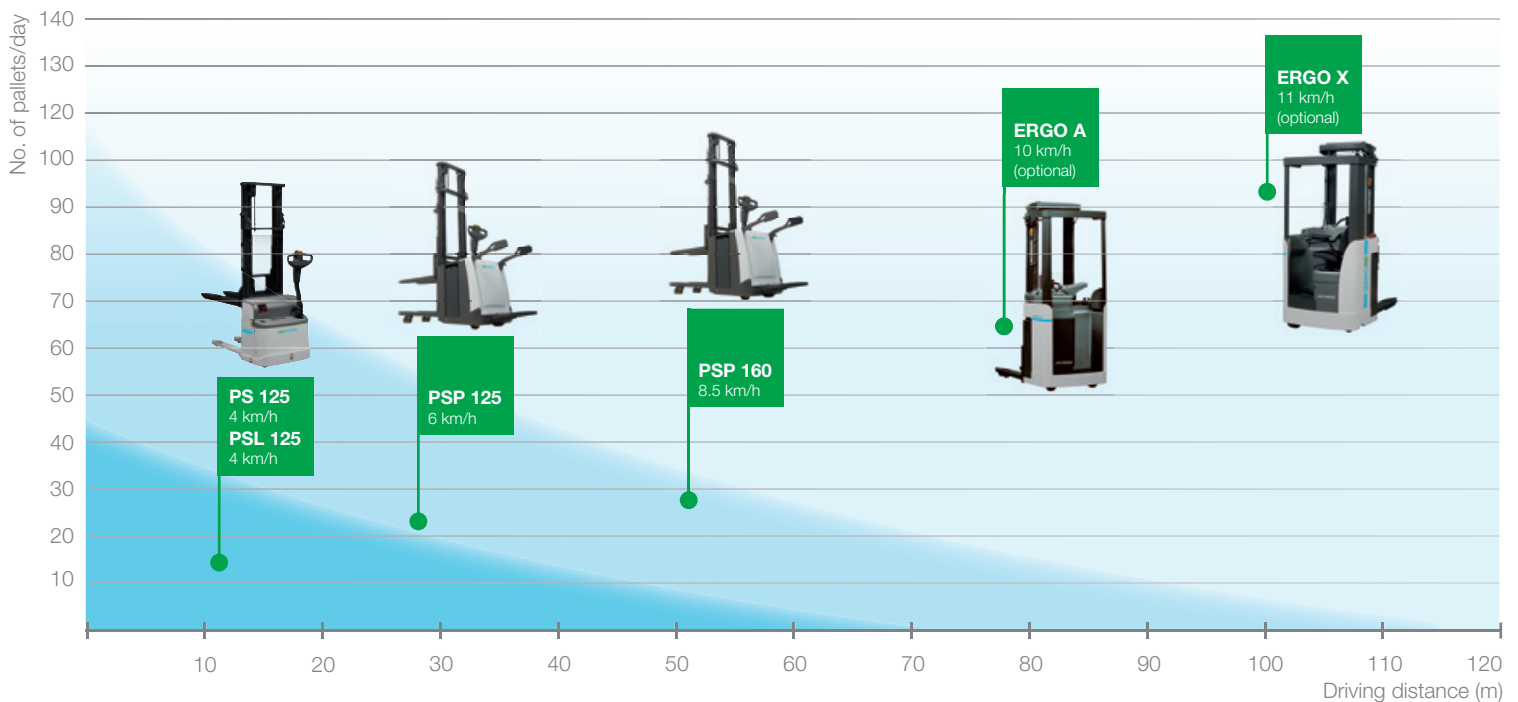
- Storage costs – Buildings and interior equipment
- Handling costs – Machines plus operators
- Administrative costs – All other costs, systems etc.
- Financial costs – Return on investment plus inventory

## Fast, safe and space-efficient

The stand-in stacker can work in narrower aisles with higher stacking. Contributing to better space and volume utilisation.



The diagram shows which stacker is the most cost-efficient in different working areas depending on how many pallets are handled per day and the average driving distance.



# Designed to meet your requirements

- How many pallets do you move per day?
- What is your average driving distance?
- What is your maximum and average lift height?

These are the questions you need to answer before you choose the truck which will meet all your requirements.

## Low investment

In relation to its handling capacity the stacker is an economic alternative to reach trucks.

## Safety and comfort for the driver

In the stand-in and sit-on stacker the driver is protected against collisions from above and from the sides. The whole body is inside the truck. The driver position is flexible and ergonomic.

## High productivity

The rider stacker is quick and easy to manoeuvre and it is ergonomic. It has impressive drive and lift speeds. It all adds up to outstanding performance compared with a pedestrian stacker. It can even beat a reach truck on shorter drive distances.

## Flexible handling

- Internal transports
- In production
- Perfect feeding truck to NA systems, roller conveyors, etc.
- Stacking in the warehouse
- Many variations
- A cost-efficient handling operation

## Powerful AC motor

The energy-efficient AC motor ensures that the truck responds to the slightest command from the operator, while regenerative braking saves energy and provides good braking capability. This gives the operator total control of acceleration and braking, even on slopes.

## Max uptime is in the DNA

Sharing many components, all UniCarriers trucks are modularly built on flexible technical platforms. This means fewer components are used, which contributes to 98% uptime for your operations. And by only having to deal with a limited number of components, our mobile service engineers can complete over 95% of all repairs on the first visit.

## The ERGO family: Versatile and

The versatile, space-saving and safe ERGO is perfect for stacking, internal transport and, when equipped with straddle lift, double-pallet handling. The operator is effectively protected by the overhead guard and OHG pillars. The driver's compartment has well positioned, intuitive, and easily accessible controls. Steering is power-assisted. The truck handles open load carriers with standard straddle legs, and closed load carriers in between wide straddle legs. To improve stability and increase residual capacity the truck can be equipped with foldable side stabilisers.

### World-class safety

The operator is safely positioned within the truck contours and its protective overhead guard pillars. A robust overhead guard protects against falling objects.

### Junior and Senior version

Depending on the needs of your operation, we can offer different chassis lengths in order to minimise operating aisle.

## ERGO A

### Stand-in stacker

High drive and lift/lowering speeds add to high throughput and productivity – as does the ergonomic design.

### Nimble chassis

Nimble chassis, 940 mm width, facilitates material handling in confined spaces.



ERGO A	A 160
Lift capacity, kg	1600/2000
Truck width	940
Max lift height, mm	6750
Mast types	T, TFV, DTFV

# space-saving

## ERGO X

### Sit-on stacker

The cost-effective ERGO X sit-on stacker is designed for mixed handling, such as stacking and internal transportation. Ideally suited to intensive operations and where space is at a premium. The advanced ergonomic design – including our unique power-assisted mini steering wheel and fully adjustable armrest, seat and floor – facilitates handling and maximises comfort. The operator is fully protected within the chassis and has excellent vision which allows safe and precise handling. The truck has ATC T4, OnBoard truck management and PIN code entry to protect against unauthorised use.

#### Hands-free direction control

By using the accelerator pedal to change travel direction, forward or reverse, the operator can focus on the right hand for using up to three hydraulic functions simultaneously.

#### Lifting/lowering function

Direct and controlled lifting and lowering with electric proportional valve.



ERGO X	X 160
Lift capacity, kg	1600/2000
Truck width	1010
Max lift height, mm	6750
Mast types	T, TFV, DTFV

## Versatile stackers for your needs

The right truck for the job: There's a wide selection of UniCarriers stacker trucks. For quick, internal transport and efficient pallet handling, or for smooth loading or unloading on the loading bay. For light or heavy loads, short or long distances, for walking, stand-on, stand-in or sit-in operations – there's a UniCarriers stacker for each challenge.







### Personal PIN code settings

The PIN code protected settings ensure that the operator has access to the right performance depending on driving skills. These settings also prevent unauthorised use.

### Tiller head

Easy accessible keyboard and ATC Display for driver information at a glance. Large rocker buttons for lifting and lowering of forks and straddle lift. Speed control designed to be activated by different finger grips. All functions are reachable with one hand.

### ATC T4 – the OnBoard truck management

The control panel at the tiller arm clearly displays information on battery status, hour meter, date, clock and warning messages. The ATC truck computer has built-in service functions to reduce downtime. The PIN code configures the truck to the performance settings for each and every operator's skill and experience.

# Comfortable and powerful for faster working – the compact range

The comfortable and safe way of walking alongside the truck enables the user to work faster and more efficiently.

## PS/PSH

### Compact pedestrian stacker

The PS is a robust, powerful and handy pedestrian stacker for flexible use, light to medium operations, and in tight spaces with lift heights up to 4190 mm. PSH is a heavy-duty stacker which is ideal for internal transportation. Equipped with straddle lift, double-pallet handling, order picking and stacking up to 5400 mm. The low chassis and the offset tiller arm of PS and PSH improve visibility and safety – the operator has a clear view of the load and can walk beside the truck. The ergonomic tiller head is designed for ambidextrous use and features easily accessible controls to facilitate handling. The unique fork design on the PSH contributes to high handling speeds and easy access into load carriers.



#### The UniCarriers PS, a multi-purpose power tool

- For short travel distances
- In tight spaces
- In stores (e.g. order picking)
- In production areas

#### Are you picking up and putting away pallets in very confined areas?

The tiller arm in the upright position (tiller-up drive option) makes it possible to work in even tighter areas.

PS / PSH	PS 125	PSH 160	PSH 200
Lift capacity, kg	1250	1600	2000
Truck width	800	895	
Max lift height, mm	4190	5400	
Mast types	TV, TFV	T, TFV, DTFV	



# PSL

## Compact pedestrian stacker

The PSL pedestrian stacker is ideal for shop-floor replenishing, stacking, order picking and short distance internal transportation, for example in warehouses, supermarkets and production areas. Are you picking up and putting away pallets up to 2090 mm in very confined areas? Then the PSL might just be your perfect partner. Adding the optional tiller-up drive with the tiller arm in the upright position, the PSL can work in even tighter spaces.

### Useful on higher floors

Due to low truck weight the PSL is useful on mezzanine floors.



PSL	PSL 125
Lift capacity, kg	1250
Truck width	660
Max lift height, mm	2090
Mast types	T

## Versatile stacker with platform

The typical customer truck fleet often holds a mix of low lifters, double stackers and counterbalance trucks. Our pedestrian stackers fit well in the application segment of cross-docking, which means loading/unloading and short, medium and long internal transportation including double-pallet handling.

### PSP

#### Pedestrian stacker

Extremely versatile members of the stacker family are the PSP125 and PSP160 pedestrian stackers with foldable platform. The trucks are ideal for medium height stacking applications in narrow spaces, short, medium and long distance travel, for occasional order picking and, when equipped with straddle lift, double-pallet handling. The foldable platform with low step-up height is cast in order to withstand deformations from collisions and has excellent dampers for suspension. The optional side protection bars unfold quickly and easily for excellent efficiency. There are several types of fixed platform options and overhead guard to improve the efficiency and add to the safety of the operator.

The ergonomic tiller arm with all controls close at hand makes the PSP easy to handle and puts the operator firmly in control. The keypad for individual truck driver settings and anti crush button are all combined in the tiller head. Drive speed up to 8.5 km/h gives the truck class-leading performance. Easy service access, extended service intervals and all sensors with IP65 or IP67 classification for reduced maintenance and improved uptime.



PSP	PSP 125	PSP 160
Lift capacity, kg	1250	1600
Truck width	770	770
Max lift height, mm	4190	5400
Mast types	TV, TFV	T, TFV, DTFV



# The double stacker range

## PDP

### Double stacker with platform

With a truck width less than a Euro-pallet and designed to fit in your tough environment, the PDP 200 gives you low TCO and high safety for the operator. The PDP 200 fits ideally to the needs of cross-docking, facilitating a broad range of applications and short, medium and long internal transportation. The excellent control of drive and lift systems and intuitive handling put the operator firmly in control. The foldable platform with low step-up height is designed in order to withstand deformations from collisions and has excellent dampers for suspension. Excellent stability, high drive and lift/lowering speeds, foldable side protection bars, and the fly-by-wire power steering option all adds to the efficiency. Easy service access and extended service intervals reduce down-time to the minimum. There are several types of fixed platform options and a classified overhead guard to improve efficiency and add to the safety of the operator. Drive speeds up to 12.5 km/h give the truck class-leading performance. All sensors have IP65 or IP67 classification for reduced maintenance and improved uptime.

PDP	PDP 200
Lift capacity, kg	2000
Truck width	770
Max lift height, mm	2090
Mast types	T



# PSD

## Compact pedestrian stacker for double-pallet handling

The PSD is an all-round flexible, double-pallet handling pedestrian stacker. It is ideal for loading/unloading on dock levellers, double-pallet handling, order picking/replenishment and short distance internal transportation in warehouses, supermarkets and production areas. The patented 4-point Friction Force chassis ensures drive wheel pressure on uneven surfaces. The narrow chassis makes it cost-efficient and enables it to pick up and put away pallets in confined areas. Improving safety and visibility, the offset tiller arm allows the operator to walk beside the truck.



PSD	PSD 125
Lift capacity, kg	1250
Truck width	660
Max lift height, mm	2090
Mast types	T

# ERGO XML

## Sit-on double stacker

XML	XML
Lift capacity, kg	1600
Truck width	1010
Max lift height, mm	1500
Mast types	T

The ERGO XML sit-on double-pallet stacker is ideal for feeding production lines and in cross docking applications. When handling double-pallets, the XML becomes a fast, safe ride on double stackers which offers highly efficient operation. It is a forklift for intensive goods handling and long internal transportation distances. It allows continuous driving time and works in narrow aisles. The advanced ergonomic design – including our unique power-assisted mini steering wheel and fully adjustable armrest, seat and floor – facilitates handling and maximises comfort. The operator is fully protected within the chassis and has an excellent overview which allows safe and precise handling. For multi-shift applications the battery is placed on rollers for quick and easy changing.

# Save up to 30 % floor space

## ERGO ATF/XTF

### Stand-in and sit-on stackers with telescopic forks

Pioneered by UniCarriers, the ERGO Telereach stacker allows you to stack double deep. The ability to handle two pallets in depth from the same side of the aisle means you can save up to 30% floor space.

The ERGO ATF/XTF forklifts are for stacking and internal transportation. They can handle all kinds of pallets and load carriers. The telescopic forks allow you to reach double pallet depth into racks. In some applications, this function can replace a small reach truck. This is also very useful when extra reach is needed to load/unload vehicles.



	ERGO ATF	ERGO XTF
Lift capacity, single deep, kg	1000	1000
Lift capacity, double deep, kg	800	1000
Truck width	940	1010
Max lift height, mm	5700	6300
Mast types	TFV, DTFV	



		PSD 125	PSL 125	PS 125	PSH 160	PDP 200	PSP 125	PSP 160	ERGOA 160	ERGOX 160	XML 160	ATF 100	XTF 100
<b>Lift height</b>	≤ 1500 mm										x		
	≤ 2090 mm	x	x			x							
	≤ 4190 mm			x			x						
	≤ 5400 mm				x			x					
	≤ 5700 mm											x	
	≤ 6300 mm												x
	≤ 6750 mm							x	x				
<b>Capacity</b>	≤ 1000 kg											x	x
	≤ 1250 kg	x	x	x			x						
	≤ 1600 kg				x			x	x	x	x		
	≤ 2000 kg	•			•	x			•	•			
<b>Mast</b>	T	x	x		x	x		x	x	x	x		
	TV			x			x						
	TFV			x	x		x	x	x	x		x	x
	DTFV				x			x	x	x		x	x
<b>Battery sizes</b>	≤ 230 Ah	x	x	x									
	≤ 345 Ah				x								
	≤ 400 Ah					x	x	x					
	≤ 775 Ah								x	x	x	x	x
<b>Junior or Senior version</b>								•	•	•	•	•	
<b>ATC T4</b>	x	x	x	x	x	x	x	-	x	x	-	x	
<b>High speed/ creep speed buttons</b>	x	x	x	x	x	x	x	-	x	x	-	x	
<b>PIN code log in</b>	x	x	x	x	x	x	x	-	x	x	-	x	
<b>Speed regulated lift motor</b>	-	-	x	x	x	x	x	-	-	-	-	-	
<b>Proportional valve for lowering</b>	-	-	x	x	x	x	x	x	x	x	x	x	
<b>Friction Force system</b>	x	-	-	-	x	-	-	-	-	-	-	-	
<b>Battery on rollers</b>	-	-	-	x	x	x	x	x	x	x	x	x	
<b>Adjustable width over forks</b>	-	-	-	•	-	-	•	•	•	x	-	-	
<b>Bogie wheels</b>	x	•	•	x	x	•	x	x	x	x	-	-	
<b>Straddle lift / double stacking</b>	x	-	-	•	x	•	•	•	•	x	-	-	
<b>Telescopic forks</b>												x	x
<b>Wide straddle option</b>	-	-	-	•	-	-	•	•	•	-	-	-	
<b>Tiller up drive</b>	•	•	•	•	•	•	•	•	-	-	-	-	
<b>Foldable platform</b>	-	-	-	-	x	x	x	-	-	-	-	-	
<b>Fixed platform</b>	-	-	-	-	•	•	•	-	-	-	-	-	
<b>Side protection bars</b>	-	-	-	-	x	•	•	•	-	-	-	-	
<b>Electric power steering</b>	-	-	-	-	•	•	•	x	x	x	x	x	
<b>Key switch entry</b>	•	•	•	-	•	•	•	x	•	•	x	•	
<b>OHG</b>	-	-	-	-	•	•	•	x	x	x	x	x	
<b>Load backrest</b>	•	•	•	•	•	•	•	•	•	•	•	•	
<b>12V DC Power socket</b>	-	-	-	-	•	•	•	-	-	-	-	-	
<b>Built-in charger</b>	•	•	•	•	•	•	•	•	-	-	-	-	
<b>Side castor wheels</b>	-	-	-	-	-	-	-	•	•	-	-	-	
<b>Side stabilisers</b>	-	-	-	-	-	-	-	•	•	-	-	-	
<b>Increased drive speed</b>	-	-	-	-	•	-	-	•	•	•	•	•	
<b>Hand operated direction control</b>	-	-	-	-	-	-	-	•	•	•	-	•	
<b>Equipment bar</b>	-	-	-	-	•	•	•	-	-	-	-	-	
<b>RAM holder</b>	-	-	-	-	•	•	•	-	-	-	-	-	
<b>Writing desk</b>	-	-	-	-	•	•	•	-	•	•	-	•	
<b>Cold store design</b>	•	•	•	•	•	•	•	•	•	•	•	•	

x standard features • optional equipment - not available for this type

## How personal do you want to be?

We designed the world's most personal stackers to help the operator perform optimally. And to make your UniCarriers stackers even more you, there's a wide range of specially designed standard features and optional equipment. So whatever the needs of your operations, there's a UniCarriers stacker that's 100% you.

### Optional equipment

#### 1. Electric power steering

Steer by wire solution with hydraulic steering damper for excellent feedback.

AVAILABLE FOR PSP/PDP

#### 2. Heavy-duty tiller head

Keyboard and display protected from external damage. Protective cover can easily be removed for using the keyboard or cleaning the display window.

AVAILABLE FOR ALL PEDESTRIAN STACKERS (EXCEPT PSH)

#### 3. Equipment bar

For all extra equipment we offer many alternatives. Adjustable RAM holders in different lengths for the computer keyboard, display and scanner, which can be placed on the equipment bar. It's all about your own preferences.

AVAILABLE FOR PSP/PDP

#### 4. Writing desk

Conveniently mounted on the equipment bar, the writing desk brings order to the OnBoard office.

AVAILABLE FOR PSP/PDP/ERGO X

#### 5. 12V power outlet

Power outlet for the extra equipment or just for charging your mobile phone.

AVAILABLE FOR PSP/PDP

#### 6. Side stabilisers

Swivelling wheels on stabilisers with built-in suspension for increased residual capacity.

AVAILABLE FOR ERGO A&X

#### 7. Straddle lift

Option which gives you the possibility to move double pallets and/or operate on ramps and gradients due to increased ground clearance.

AVAILABLE FOR PSH/PSP/PDP/ERGO A&X

#### 8. Driver protected platform

Improves safety for the driver and increases handling efficiency.

AVAILABLE FOR PSP/PDP

#### 9. Load backrest

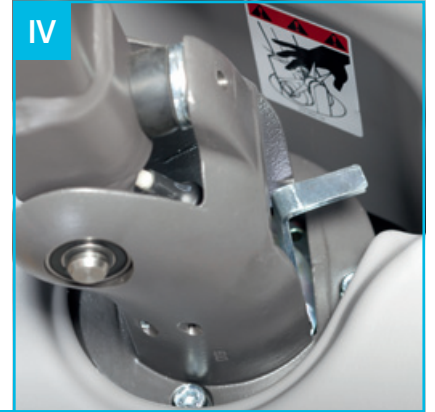
AVAILABLE FOR ALL STACKERS (EXCEPT PS)

#### 10. Cold store design (-35°C)

Cold store design includes a wide range of modifications for durability and maximum uptime in these conditions.

AVAILABLE FOR ALL TRUCKS





## 11. ProVision

ProVision mast design for optimised vision over fork.

AVAILABLE FOR ALL STACKERS

## 12. Classified overhead guard

AVAILABLE FOR PSP/PDP

## 13. Battery on rollers

AVAILABLE FOR ALL STACKERS  
(EXCEPT PS, PSD AND PSL)

## 14. Wide straddles

Wide straddles for handling closed load carriers in between wide straddle legs.

AVAILABLE FOR ERGO A&X/PSH/PSP160

## Standard features

### I. Lifting/lowering function

Direct and controlled lifting and lowering with electric proportional valve.

AVAILABLE FOR ERGO X

### II. One-piece housing

One-piece machine housing cover for easy access and serviceability.

AVAILABLE FOR PSP/PDP

### III. Unique fork design

Unique fork design to simplify entering and exiting pallets.

AVAILABLE FOR ERGO A&X/PSH/PSP

### IV. Switch off magnetic brake

The parking brake is easily released by the release lever under the tiller arm. If the truck stops working, it is possible to move it without lifting with another truck.

AVAILABLE FOR PS/PSL/PSD



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.

### **UNICARRIERS CORPORATION**

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