

# UNICARRIERS®

## □ FORKLIFT □



PD6 Series

### Engine Powered Forklifts

Diesel

13,000 / 15,500 / 17,500 / 22,000 lbs. Capacities |

Pneumatic Tire



# PD6 Series Applications

Rugged durability, innovative technology and proven reliability are the hallmarks of PD6 Series performance... and the traits that make it the ideal choice for:

- Lumberyards
- Brickyards
- Warehousing
- Recycling
- Manufacturing



Look for this symbol — it identifies a UniCarriers forklift feature that provides a proven performance advantage as compared to competitive trucks.



# NEVER QUIT.

**It defines our forklifts and the company that builds them.**

Over the course of a century, the company known as UniCarriers took shape. As we grew and evolved into a US manufacturer with a global reach in nearly 100 countries worldwide, much has changed, but one thing hasn't: our mission. UniCarriers is committed to providing you with the ultimate in reliability, performance, and value.

And that commitment can be seen in the PD6 Series. This workhorse is built for some of the biggest and toughest jobs as well as lifting and hauling heavy loads with amazing speed, productivity and reliability. The PD6 also delivers a low cost of ownership while offering low emissions. It's backed by the best standard, limited warranty in the business. And, for all its brute strength, the PD6 brings operators incredible comfort. So, if you're looking for a forklift that can handle your toughest of jobs, take a close look at the PD6.

# Up Your UpTime



Beyond its heavy-duty carriage and robust mast, you'll find that virtually every system on the NEW PD6 is designed to help deliver maximum uptime no matter how difficult the challenge. From proven technology to innovative features, the PD6 brings you a high level of servicing ease, extended component life, and greater protection to critical components. It's reliability you can count on — and profit from.



To learn more, and find a dealer near you, visit [UniCarriersAmericas.com](http://UniCarriersAmericas.com)





### Steering in the Right Direction

The PD6's rugged steer axle incorporates a steering cylinder housed inside it to protect against possible damage from obstacles on the road surface. It also features a simplified design with **fewer service points** for quicker, simpler maintenance.



### Protecting Your Investment

The **advanced Engine Protection System** on the PD6 automatically reduces engine speed in the event of overheating. The large meter panel also features a warning system that alerts the operator to help protect the machine's critical components. For example, the coolant level and air cleaner performance are constantly being monitored.



### Easier Access Means Easier Service

To cut maintenance time and costs, the PD6 offers fast, easy access to key systems. Components that require regular changing or inspection – such as filters, fluids, and batteries – can be accessed quickly and easily. The engine hood has gas-spring supports to open and close easily.

# Comfort Zone

When it comes to productivity, comfort isn't a luxury — it's a necessity. That's why the PD6 features enhancements throughout its design to help reduce operator fatigue, while improving operator performance. It begins with a spacious compartment, excellent visibility, and ergonomically designed and logically positioned controls. But that's only the beginning. From the moment your operators step into a PD6, they'll know they're stepping up to greater comfort and convenience.



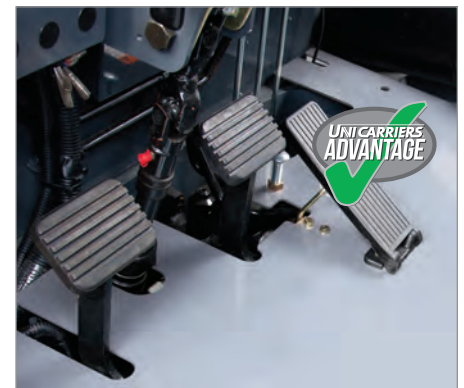
## A Step Up

The PD6 simplifies operator entry and exit with a convenient hand grip and an extra-wide 3-step entry that includes a diamond tread or non-skid step for sure footing.



### Visibility

Our super-wide carriage provides operators with excellent forward and fork tip visibility for greater security and enhanced productivity. The PD6 also provides the operator with generous headroom and plenty of foot and legroom. There are also automotive-type controls and a small diameter steering wheel — all to reduce operator fatigue, while boosting operator confidence.



### A Smoother Ride

The PD6 features a **floating powertrain** that includes independent dampeners to reduce vibrations that can cause operator fatigue. Vibration is further reduced by rubber shock absorbers located throughout the truck, and a standard thick, rubber, non-slip floor mat.

### Greater Support

Operators can ride in comfort and maneuver with greater confidence from the **full-suspension seat**. The seat reclines, and adjusts easily to match its operator's weight. There are even side supports and fore-and-aft positioning for extra-customized comfort.

### Sure Stopping Power, Even in an Emergency

The low pedal angles allow **heel-to-toe movement** between the gas and brake pedals. Plus, the PD6 features a full hydraulic powered brake system for sure stops and less operator fatigue. The system even provides emergency braking power in the event the engine is stopped.



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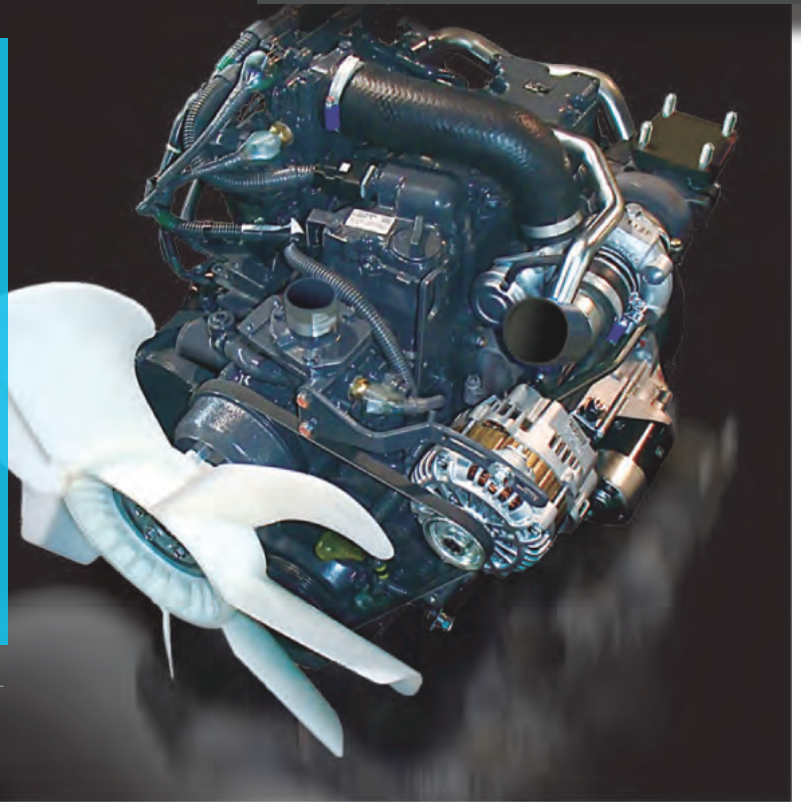


# Power & Performance

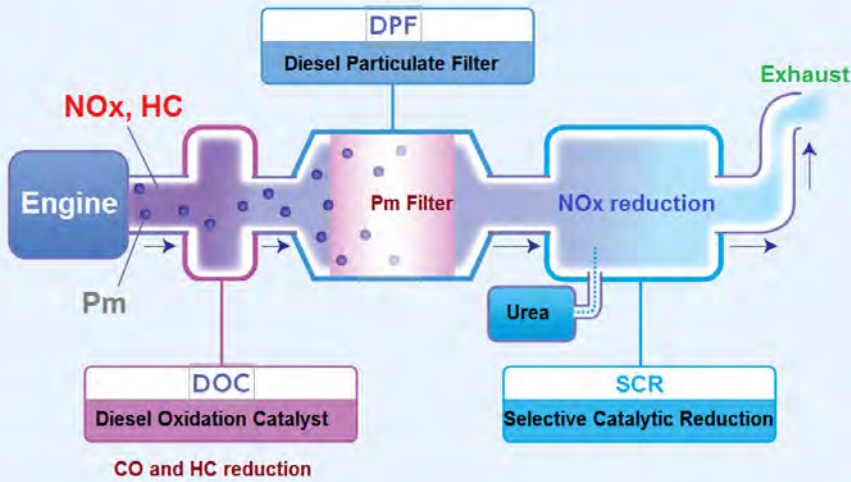
## Higher Performance Right from the Start

The PD6 features an Electronic Glow System for superior cold weather starting. And once a PD6 gets going, it moves fast thanks to a heavy-duty, electronic, two-speed transmission that delivers efficient power transfer.

At the heart of the PD6 is an all new Kubota V3800 engine, one of the most powerful, durable and efficient diesels in its class. This turbocharged, electronically controlled engine pours out massive torque at low rpm — producing very low emissions. We've matched this rugged power plant with an arsenal of proven components, like a rugged transmission, triple hydraulics, and an extra large cooling system — all to turn the power of the PD6 into profits for your business.







## Common Rail Fuel Injection for Uncommon Performance

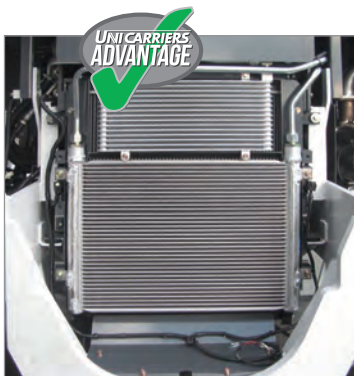
The PD6's advanced Selective Catalytic Reduction system converts harmful gasses into harmless nitrogen and water – thanks to this innovative technology, the PD6 emits low exhaust emissions levels.

\*only available on FD60-4, FD70-4, FD80-4, FD100-4



## More Power with Lower Fuel Consumption

The PD6's new Kubota engine provides power while reducing fuel consumption. In addition, the engine's turbocharger creates more power by compressing the inlet air and forcing it into the chamber. This constant pressure boost occurs over the entire rpm range, for greater torque at even low speeds.



## Another Cool Idea

The highly reliable cooling system on the PD6 is designed to keep its cool even under heavy usage and high temperatures. The system includes a large, heavy-duty radiator that is rubber mounted to **reduce flexing and absorb vibration**.



## A Mast That Can Lift Your Entire Business

Robust mast construction features larger rail dimensions to more easily handle heavy loads, and provides exceptional reliability and excellent visibility to the load for greater operator confidence.

# Sweet Savings

The PD6 offers you a lot of power, including the power to save money. Whether it's the durability of its chassis and mast, its heavy-duty components, its design innovations that simplify and extend maintenance, or its ergonomic compartment layout that lifts productivity, the PD6 is engineered to raise your profits, while lowering your costs.



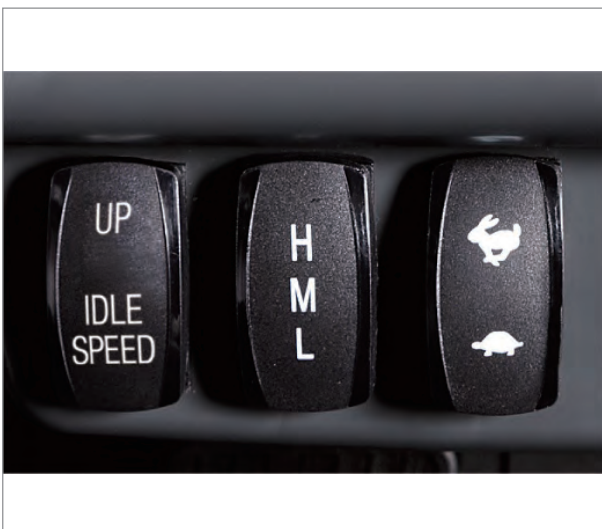


## Our Overhead Guard Reduces Your Overhead

Beyond ample headroom, the five-piece overhead guard takes **75% less time to make needed replacements** versus competitive designs using a single-piece, welded-on guard. That cuts downtime and costs.

## Boltless Floorboards

Ready access to key components can save you time and money during routine maintenance. That's why the PD6 makes those components readily accessible. The front and rear floorboards can be removed and reinstalled quickly and easily without any tools to gain access to the transmission and hydraulics.



## Matching Work Conditions

The PD6 features a switch that changes the shift speed pattern of the transmission, allowing your operator to **select the best mode for the current working conditions**. Operators can choose a Medium Mode, Low Mode for working on slopes with heavy loads, and a High Speed Mode for longer trips. This feature improves both operating efficiency and fuel economy.



# Play It Safe

Safety is everybody's business, and when it comes to safety the PD6 is all business. From excellent visibility to exceptional reliability, the PD6 helps you create a safe and highly productive workplace.



## Operator Presence System

This safety system includes a **seat-actuated power interrupt** with **mast-lock**, automatically preventing lift and tilt operations if the operator leaves the seat. The **return-to-neutral** feature minimizes forklift movement if the operator leaves the truck while still in gear. Other audible and visual warnings come standard, including a **parking brake alarm**.





### A Good Start

A **neutral start** mechanism prevents the engine from being started unless the directional control lever is in the neutral position. This helps prevent the truck from moving abruptly when the starter switch is turned.



### A Less Fatigued Operator

The PD6 includes an array of features designed to help minimize operator fatigue: from the adjustable, **full suspension seat** to responsive **hydrostatic steering**, to heavy insulation that reduces noise and engine heat, to ergonomically positioned controls, to our floating powertrain that reduces vibration, the PD6 is designed to help keep operators alert and in control.



### Right In View

Designed for maximum clarity, and featuring indicators that are brightly lit with long-life LEDs, the instrument panel is easy to use—so operators can focus on their jobs.



### Deluxe Light Package Is Our Standard

The PD6 features overhead guard-mounted headlights to enhance operator visibility in low light conditions. Our Deluxe Light Package includes front turn signals mounted on front pillars for high visibility, and a rear light combination that includes brake, turn, and backup lights, as well as reflectors. There are also dual rearview mirrors to help supplement direct visibility when reversing.

# Control Freak

The PD6 is engineered to give you and your operators more control. When it comes to your operation, the PD6 can help you better control costs, downtime, and workflow. For your operators, it offers innovations that give them more control when handling loads, maneuvering, and servicing the vehicle. Whether you're running the operation or operating the forklift, you're always in the driver's seat with a PD6.







### Information At A Glance

The easy-view meter panel enhances driving ease and provides constant status on critical systems. The highly visible gauges give an accurate readout on fuel and coolant temperatures, and include an hour meter and error codes. The bright LED warning lights give up-to-the-second alerts on:

- Speedometer
- Low engine oil pressure
- Coolant level
- Battery charge
- Check engine
- Maintenance monitor
- Fuel gauge
- Seatbelt
- Neutral transmission
- Air cleaner
- Rear tire steer angle indicator
- Engine pre-heating glow plug
- Engine coolant temperature
- Parking brake
- DPF sedimentation indicator (only 81 kw models)
- UREA SCR indicator (only 81 kw models)



### Adjustable Steering Column

The PD6 is equipped with a highly adjustable tilt steering wheel – its small diameter design and spinner knob give drivers precise control of the machine during travel.



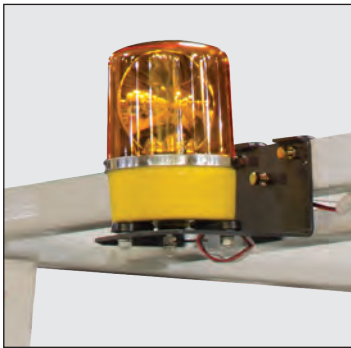
### Greater Maneuverability

With rugged, dual drive, pneumatic tires, the PD6 offers **ground hugging traction and smooth handling when traveling**. The hydrostatic power steering system also provides superb maneuverability, with fast, precise response to navigate loads through tight areas.

# Make It Yours

The rugged PD6 comes with a wide array of standard features that maximize uptime and productivity. We also offer a complete menu of options to customize your forklift to your specific requirements. Check out this list, and if you don't see what you're looking for, contact your UniCarriers dealer for more options.

- Wide Hook Type Carriage – 94.9 in. (2410mm) Wide (6-8 tons only)
- Integral Sideshifter – 66.9 in. (1700mm) Wide
- 5-Spool Valve & Lever\* (Not available on FD100-4 model)
- Mast Tilt Gauge
- Tilt Cylinder Boots
- Radiator Screen
- Air Intake Pre-Cleaner
- Rear Work Light
- Rotating Beacon – Amber
- LED Safety line light
- Center Rear View mirror
- Horn Button with Rear assist grip



**Rotating Beacon**



**Air Intake Pre-Cleaner**



**Rear Work Light**

## Specifications

Model	Load Capacity lbs. (kg)	Overall Width in. (mm)	Min. Outside Turning Radius in. (mm)	3.8 Liter 4-Cylinder, 16-Valve Diesel Engine		
				Displacement cu in. (L)	Output Hp (KW) @ rpm	Torque ft-lb (Km) @ rpm
FD60-4L	13000 (6000)	78.9 (2005)	133.9 (3400)	230 (3.8)	74 (55)	229 (310)
FD60-4	13000 (6000)	78.9 (2005)	133.9 (3400)	230 (3.8)	111 (83)	284 (385)
FD70-4L	15500 (7000)	78.9 (2005)	136.2 (3460)	230 (3.8)	74 (55)	229 (310)
FD70-4	15500 (7000)	78.9 (2005)	136.2 (3460)	230 (3.8)	111 (83)	284 (385)
FD80-4	17500 (8000)	85.6 (2175)	146.1 (3710)	230 (3.8)	111 (83)	284 (385)
FD100-4	22000 (10000)	88.4 (2245)	155.5 (3950)	230 (3.8)	111 (83)	284 (385)



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\* Not available on FD100-4 model

# Standard Equipment



Here is just a partial list of the standard features on the PD6.

## Vehicle Management

Engine Control Module (ECM) to monitor engine performance  
Easy-view meter panel with critical system checks & warnings

## Durability Features

Wide carriage  
Robust mast

## Servicing Ease

5-piece overhead guard  
Boltless floorboards  
Gas spring assist engine hood  
Easy-access filter/fluid service points  
Gas spring radiator cover

## Powertrain

DOC/DPF muffler (81 kW)  
UREA SCR muffler (81 kW)  
DOC muffler (55kW)  
Automatic 2-speed transmission  
Engine temperature protection system  
Floating powertrain for reduced vibration  
Transmission mode selector  
Heavy-duty, cushion-mounted radiator  
Hydraulic oil cooler  
Large engine oil filter and dual diesel fuel filters  
Electric glow system  
Cyclone air cleaner  
Large capacity battery  
Engine CCV heater

## Protection/Security

Operator Presence System:

- Seat actuated auto-mast lock system
- Automatic return-to-neutral
- Seatbelt warning
- Parking brake warning

## Steering System

Adjustable tilt steering column  
Small diameter steering wheel with spinner knob  
Hydrostatic power steering  
Rugged steer axle steering cylinder  
Synchronized steering mechanism (SRS)  
Tire direction indicator

## Brake

Parking brake with warning buzzer  
Wet disc brakes with pressure accumulator  
Inching pedal

## Hydraulic System

3-spool hydraulic control valve  
Hydraulic load sensing valve system  
Quadruple hydraulic pumps mounted on transmission to reduce power consumption

## Operator Conveniences

Full suspension seat  
Deluxe standard light package with:

- Overhead Guard mounted headlights/front turn signals
- Rear combination lights – tail, brake, and back-up

Back-up alarm  
Rearview mirrors  
Cushioned floor mat  
Heel-to-toe pedal design  
Access-assisted handgrip (front/rear)  
Eco/Power mode select  
Speed limit mode  
Idling Rev/Up switch  
Rear Pillar high-mount air inlet



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# Reliability.

It's the defining trait of our company and our forklifts.



UniCarriers' roots extend back over 100 years, and over that time, strong, reliable performance has always been the hallmark of our organization, our people and our equipment.

Today, our unrivaled reliability continues to provide UniCarriers' customers with a competitive edge. And together, we move the merchandise that moves world commerce with greater efficiency, economy and reliability.

When it comes to providing forklifts that make a difference for our customers and theirs...



## We Never Quit.

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[ **FORKLIFT** ]  
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