

# UNICARRIERS®

UniCarriers Americas Corporation



## Diesel Powered Forklifts

Tier 4 Diesel

4,000 – 7,000 lbs. Capacities | Pneumatic Tire



# FK Series



# FK Series Applications

Designed and built for operations that demand greater economy, efficiency and value...and applications that require maximum power, torque and productivity.

- Lumberyards
- Warehouses
- Brickyards
- Factories
- Steelyards
- Recycling



**UNICARRIERS**<sup>®</sup>  
UniCarriers Americas Corporation

## 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.

That commitment can be seen in our FK Series Forklifts, powered by our ultra-efficient, ultra-reliable ZD30 Tier 4 Advanced Turbo Diesel (ATD) industrial engine. This workhorse combines higher torque and horsepower with lower emissions and fuel consumption. The FK Series comes standard with some of the most advanced performance, security and operator comfort features available anywhere. Plus, it's all backed by the best standard, limited warranty in the business.





# Power & Performance

At the heart of the FK Series is the GCT ZD30 4-cylinder 3.0L Advanced Turbo Diesel Engine. This turbocharged, 16-valve, double overhead camshaft industrial engine pours out power and torque...has emission levels below Tier 4 standards...10% greater fuel efficiency...and the superior performance and reliability you expect from UniCarriers.



## The Quick Glow System

Dramatically improves cold weather starting and reliability to reduce down time.



## Higher Power With Lower Emissions

The turbocharger, diesel oxidation catalyst and cooled exhaust gas recirculation system all work to reduce emission levels significantly below EPA Tier 4 standards. This system nearly eliminates particulate matter, reduces fuel consumption and improves power.

## Common Rail Fuel Injection System

Features an Engine Control Module (ECM), Vehicle Control Module (VCM) and multifunction LCD Display to optimize power, efficiency and fuel economy.

## Single-Speed Powershift Transmission

Combined with a full floating powertrain, it accelerates smoothly and minimizes vibration.



# Efficiency, Economy & Control

From advanced productivity and operator protection to ergonomic design and operator comfort, the FK Series delivers an extraordinary combination of reliability, economy and value.

## Economy Mode Button

Save money with economy mode that cuts fuel consumption by 10%.



## Single Handle Control Lever

Combines both lift and tilt functions for fast, smooth and fluid operation. Separate control handles are available at no additional charge.



## Optional Auto-Tilt Leveling System

Assists the operator during mast & fork positioning.



## Full-Suspension Seat

Absorbs shock and features adjustable lumbar support, operator restraint armrests and a non-cinching seatbelt.



## 3-Piece Overhead Guard

Designed to cut the cost of replacement — in labor, parts and downtime — compared to single-piece weld-on guards.



## Adjustable Steering Column

Provides adjustable tilt and telescoping for precise positioning to maximize comfort and control for any driver.



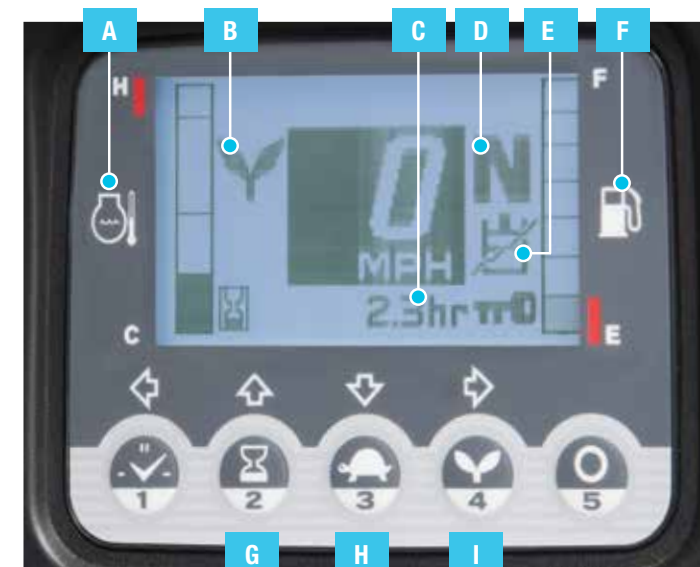
## Our Comprehensive Operator Presence System

- 1 A seat-actuated power interrupt with mast-lock automatically prevents lift and tilt operations if the operator leaves the seat.
- 2 A return to neutral feature minimizes forklift movement if the operator leaves the truck.
- 3 Audible and visual warnings alert the driver if the seatbelt is not engaged or the parking brake has not been applied when leaving the compartment.

## The Ultimate In Control

The interactive LCD meter panel provides the information you need to control the performance of your machine and your entire operation. The panel can be programmed to control:

- Max. Travel Speed
- Controlled Acceleration Modes (Power/Economy)
- On Board Diagnostics; no separate device needed to adjust or troubleshoot truck



The meter and warning indicator panels provide vital and operational data that include:

- |  |                              |                                    |
|--|------------------------------|------------------------------------|
| <b>A</b> Engine coolant temperature      | <b>E</b> LCD warning symbol  | <b>I</b> Power economy settings    |
| <b>B</b> Economy mode                    | <b>F</b> Fuel indicator      | <b>J</b> Seatbelt warning          |
| <b>C</b> Hour meter                      | <b>G</b> Hour meter settings | <b>K</b> Charge warning            |
| <b>D</b> Transmission position indicator | <b>H</b> Hi/Low speed option | <b>L</b> Check engine warning      |
|  |                              | <b>M</b> Multipurpose warning      |
|  |                              | <b>N</b> Parking brake warning     |
|  |                              | <b>O</b> Low oil pressure          |
|  |                              | <b>P</b> Glow plug indicator light |

# Make It Yours

Every business has its own way of operating and its own special needs — which is why you can customize your FK Series to maximize the efficiency and productivity of your operation. On these pages, you'll find a selection of the most popular options we offer (but not all we offer — so call your UniCarriers dealer if you don't see exactly what you're looking for).

- Vertical Exhaust
- Air-Intake Pre-Cleaner
- Strobe & Work Lights
- Special Protection Packages
  - + Anti-Dust
  - + Low Noise
  - + Corrosion-Resistance
- Solid or Dual Drive Pneumatic Tires



### Optional High/Low Speed Switch

Toggle from the high-speed pre-set in wide-open areas — then select the slow speed for tight environments.



### Rear LED Combination Lights

This high-visibility, vibration-resistant light package includes reflectors, turn signals, brake & backup lights.



### Tilt Cylinder Protection

Choose boots and/or covers.



### Swivel Seat

Rotates 15° in either direction.



### Overhead Guard Rain Cover

Protects operator from rain & debris.



### Rearview Mirrors

Improves workplace awareness.



# Option Availability

● Standard ○ Optional

DIESEL

VEHICLE MANAGEMENT	
Vehicle Control Module (VCM)	●
Operator security PIN access	●
Interactive LCD meter panel	●
On-board diagnostics and programmable service reminders	●
Engine coolant temperature gauge	●
Oil pressure, transmission fluid and low coolant warning lights	●
Fuel gauge - diesel	●
POWERTRAIN	
Electronic Engine Control System	●
Engine/transmission protection and warning system	●
Floating powertrain for reduced vibration (pneumatic)	●
Diesel oxidation catalyst	●
Cushioned stability control	●
Travel speed control (high/low speed selector)	○
Controlled acceleration (power/economy selector)	●
Radiator screen	○
Diffusion exhaust muffler	○
BRAKE	
Parking brake with warning buzzer	●
Parking brake transmission interlock	●
MAST	
Seat actuated auto-mast lock system	●
HYDRAULIC SYSTEM	
Single lift/tilt control lever	●
Separate lift & tilt control levers	○
Automatic fork leveling	○
OPERATOR CONVENIENCES	
Full suspension seat with weight & lumbar adjustment	●
Overhead guard-mounted LED headlights	●
Rearview mirrors	○
Rear LED combination light package (turn, stop, back-up)	○
Rear LED drive light	○
PROTECTION /SECURITY	
Operator Presence System with return-to-neutral and auto mast lock	●
Back-up warning alarm	●
Fire Extinguisher	○

# Specifications

Safety ratings available on select models/fuel types

## PNEUMATIC TIRE 4000 – 7000 LB. MODELS

SHORT MODEL CODES	PF40YD	PF50YD	PF60YD	PF70YD
Engine Models Available	GCT ZD30	GCT ZD30	GCT ZD30	GCT ZD30
Load Capacity - lb (kg)	4000 (1800)	5000 (2250)	6000 (2700)	7000 (3150)
Wheelbase - in (mm)	65.0 (1650)	65.0 (1650)	66.9 (1700)	66.9 (1700)
Overall Width - (single/dual tires) -in (mm)	45.3 (1150) / 64.6 (1640)	45.3 (1150) / 64.6 (1640)	49.2 (1250) / 65.6 (1665)	50.4 (1280) / 69.9 (1775)
Overall Length (no forks) - in (mm)	102.8 (2610)	105.3 (2675)	109.6 (2785)	112.8 (2865)
Overall Height (OHG) - in (mm)	84.1 (2135)	84.1 (2135)	85.0 (2160)	85.0 (2160)
Turning Radius (outside) - in (mm)	90.7 (2305)	92.9 (2360)	96.7 (2455)	99.2 (2520)

## ENGINES

ENGINE MODELS	GCT ZD30
Displacement - cu in (cm <sup>3</sup> )	180 (2953)
Rated Output - hp (kW) @ rpm	63 (47) @ 2400
Rated Torque - ft-lb (Nm) @ rpm	157.8 (214) @1900

# 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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