



## **Diesel forklift truck**

### **DFG 540s-S50s**

Lift height: 2480-7500 mm / Capacity: 4000-5000 kg

**JUNGHEINRICH**

# **The high-performance forklift with excellent driving skills.**

**For maximum handling and ride comfort.**

Our powerful and ergonomic series 5s forklift trucks are at their best when reversing, for example during loading processes. They are perfect for moving the heaviest loads as well as loading and unloading trucks. Advanced hydrostaticDRIVE technology brings their true strengths to the fore: fast reversing, dynamic acceleration and excellent handling.

Highest stability and consistently high handling capacity qualify our forklifts for a multitude of transporting tasks. The trucks can be optimally adapted to every application via five operating programmes. A safety glass roof offers protection against weather and falling small parts.

In the Floating Cab, the ergonomically designed workplace, the driver hardly feels any vibration due to the decoupling of the cabin from the chassis. The continuously adjustable steering column with memory function and the TFT full-colour display make this cockpit a perfect workplace.

## **All the advantages at a glance**

- hydrostaticDRIVE for maximum performance and efficiency
- High drive dynamics due to continuous power transmission
- Highly sensitive braking
- Optimum visibility thanks to compact mast design
- Ergonomic workstation for flexible operating concept

# Your Jungheinrich forklift for maximum customer benefit.



## Efficiency

Maximum performance with the most efficient vehicles.

High stability, low consumption and excellent driving skills: With these trucks every journey is a success.

### Performance and drive characteristics

- Powerful low consumption engines of the latest generation, which clearly undercut the strict critical values of the legislation.
- hydrostaticDRIVE offers the best energy efficiency coupled with maximum throughput performance – particularly when reversing.
- Continuous power transmission and high starting torques.
- Electronic control for precise adjustment of drive and hydraulic functions.
- 5 electronically selectable operating/travel programs ensure optimum.
- Performance parameters for every application.
- Automatic motor speed increase during lifting and lowering.
- Very precise control of travel speed.
- Low maintenance costs due to direct drive without wearing parts, such as clutch, differential and gears.

### Intelligent controls and electronics

- Software and hardware for controls developed and produced in-house.
- Sensitive adjustment of hydraulic functions via electromagnetic valves.
- Splash-proof electronic drive and hydraulic controls in CAN-Bus design.



## Safety

Best prepared for safe warehouse operations.

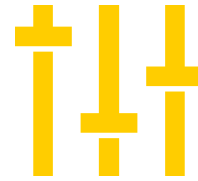
Versatile standard and optional equipment options offer the best possible protection for people and load.

### Standard safety equipment

- Comprehensive safety equipment for high drive dynamics and performance.
- Deactivation of the hydraulic functions if seat is unoccupied.
- No uncontrolled roll-back on ramps or inclines due to the automatic parking brake, even with the engine switched off.
- Excellent stability due to extremely low centre of gravity and high pivot steer axle.
- Damping on mast and tilt cylinders for increased handling safety.

### High performance filter system

- Working hydraulics with variable displacement pump for optimised efficiency and on-demand oil supply.
- Full-flow hydraulic oil filtration with suction and return filter for maximum oil purity and long life span of all components.
- Hydraulic tank integrated in frame.
- Ventilation of hydraulic tank via filter.
- Pressure relief valves protect against excess pressure and overloading.



## Individuality

A truck as individual as your business.

In addition to the individually adjustable operating concept and excellent visibility low vibrations in the cockpit make relaxed work possible.

### Ergonomic operator workstation

- Comfortable operator seat with excellent suspension.
- Continuous single-point adjustment of the armrest in 2 axial directions.
- Compact nested profile package with excellent visibility.
- Entry and exit via a deep, wide step, which is clearly visible from the operator seat.
- Large, strong grab handle welded to the overhead guard.
- Handy steering wheel with hydraulic steering booster offset to the left.
- Large, level footwell with vibration-absorbing floor mat.
- Sturdy hydraulic levers positioned for easy use even when wearing gloves.

### Wear-free brakes

- Frequent brake pedal operation is no longer necessary.
- Parking brake – sprung-loaded, laminated oil immersed parking brake as a maintenance-free, enclosed system.

### Optional assistance systems

- accessCONTROL: The access control system allows operation of the forklift only if the "seat occupied" and belt lock detection systems have been activated in a defined sequence.
- driveCONTROL: Speed control, which automatically reduces the speed both when cornering and from a defined lift height.
- liftCONTROL (includes driveCONTROL): The tilt speed of the mast is automatically reduced from a defined lift height and the tilt angle is shown on a separate display.

# Model overview

The suitable model for your applications:

Name	Capacity/load	Lift height (max.)	Travel speed	Aisle width (pallet 800x1200 length)	Lift speed unladen
DFG 540s	4.000 kg	7.500 mm	21 km/h	4.605 mm	0.56 m/s
DFG 545s	4.500 kg	7.500 mm	21 km/h	4.665 mm	0.55 m/s
DFG 550s	4.990 kg	7.500 mm	21 km/h	4.675 mm	0.53 m/s
DFG S50s	5.000 kg	7.500 mm	21 km/h	4.730 mm	0.53 m/s

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



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