



## **Diesel forklift truck** **DFG 425s-435s**

Lift height: 2.900-7500 mm / Load capacity: 2.500-3500 kg

**JUNGHEINRICH**

# **The hydrostatic forklift with dynamic acceleration.**

## **High performance and low consumption.**

The economical and durable series 4s forklifts with hydrostaticDRIVE are designed for high driving and lifting performance in combination with excellent handling characteristics. They are particularly convincing when reversing while loading and unloading trucks, combining dynamic driving with fast changes of direction.

Benefit from a consistently high handling capacity with maximum riding comfort and maximum stability. Five selectable operating programmes allow flexible adaptation to a wide range of application requirements. The roof made of safety glass offers protection against weather and falling small parts.

In the Floating Cab, the generously sized workplace, the driver only senses low vibrations thanks to the decoupling of the cabin from the chassis. Other features such as the continuously adjustable steering column with memory function or the TFT full-colour display allow for relaxed and efficient work.

## **All benefits 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 benefits.



## Efficiency

Maximum performance with the most efficient trucks.

You dream is low consumption with maximum goods turnover? Then be convinced by our Diesel and LPG forklift trucks with hydrostaticDRIVE.

### 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 prerequisites for working safely.

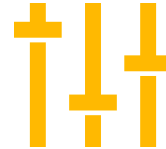
Take your intralogistics to a new level: The features of our hydrostatic forklifts offer maximum protection against weather, falling parts or damage.

### 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 forklift truck as individual as your business.

No work requirement too heavy: Standard and optional driver assistance systems allow extremely precise control of our converters.

### 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.

# Overview

The right solution for your applications:

Name	Load capacity/ load	Lift height (max.)	Travel speed	Aisle width (pal- let 800x1200 length)	Lift speed un- laden
DFG 425s	2.500 kg	7.500 mm	19.6 km/h	4.158 mm	0.56 m/s
DFG 430s	3.000 kg	7.500 mm	20.8 km/h	4.275 mm	0.56 m/s
DFG 435s	3.500 kg	7.500 mm	20.8 km/h	4.353 mm	0.48 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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