



Diesel forklift truck

DFG 316s-320s

Lift height: 2900-7500 mm / Capacity: 1600-2000 kg

 JUNGHEINRICH

The reliable classic for precise manoeuvres.

Ideal for loading and unloading lorries.

The dynamic and robust 3s series forklifts with hydrostaticDRIVE go through thick and thin with you: Whether rapid changes of direction, dynamic acceleration, rapid reversing or precise manoeuvring – the modern drive technology guarantees maximum driving comfort and highest throughput. Especially in reverse operations when loading and unloading trucks, they outmanoeuvre the competition.

Worldwide tried-and-tested motors from the automotive industry allow precise work with optimum performance thanks to their electronic control. Another advantage is their low CO₂ output. A regulated 3-way catalytic converter for LPG trucks and a soot filter systems for diesel trucks are optionally available. Sensitive brakes and a roof made of safety glass provide a high level of safety.

Five selectable operating programmes and a workstation that satisfies ergonomic and personal demands make working with these reliable forklift trucks extremely easy and convenient.

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.

Masterpieces of precision on four wheels: Our reliable forklift trucks with high stability and low consumption.

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.

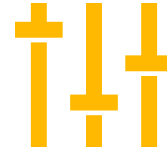
Benefit from various optional features which ensure high driving dynamics and maximum protection – for drivers, forklifts and loads.

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.

Intuitive adaptation to every task: Flexible vehicle and operating concepts make our Diesel and LPG forklifts so universally applicable.

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 suitable solution for your applications:

Name	Capacity/load	Lift height (max.)	Travel speed	Aisle width (pallet 800x1200 length)	Lift speed unladen
DFG 316s	1.600 kg	7.500 mm	19.5 km/h	3.846 mm	0.62 m/s
DFG 320s	2.000 kg	7.500 mm	19.5 km/h	3.864 mm	0.62 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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