Forklift Truck 4.5t

Tailift Serie: PFD45 Diesel KUBOTA

EU Stage V

A forklift truck designed for intensive handling of heavy loads and reliable operation in demanding conditions.

DIESEL TECHNOLOGY

- Stable performance with heavy loads
- Fast refuelling, quick return to work
- 24/7 Ready for multi-shift operation



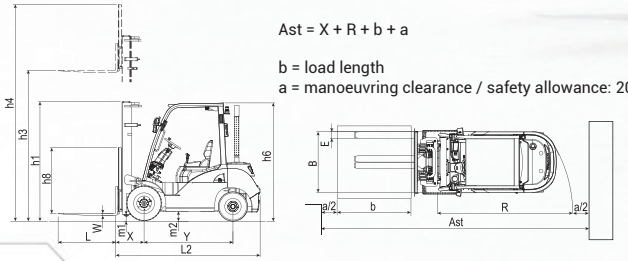
*Image for illustrative purposes only. Product specifications may vary depending on the selected configuration.

Müller Machinery, a brand owned by
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TECHNICAL SPECIFICATIONS	
Model	PFD45-4.800
Rated capacity	4,500 kg (3,000 mm duplex mast, without sideshift) 4,100 kg (4,800 mm triplex mast, with sideshift)
Load centre	600 mm
Maximum lift height (h3)	Triplex mast, 4,800 mm
Side shift	Yes
Free lift height (h5)	1,279 mm, including load backrest
Load backrest height (h8)	1,136 mm
Fork dimensions, thickness × width × length	50 × 122 × 1,220 mm
Mast tilt, forward × backward (α / β)	6° / 6°
Truck length (L2)	3,175 mm, excluding forks
Overall width (B)	1,490 mm
Lowered mast height (h1)	2,395 mm
Extended mast height (h4)	5,936 mm, including load backrest
Overhead guard height (h6)	2,270 mm
Operator seat height (h7)	1,312 mm
Fork carriage width	1,310 mm
Turning radius (R)	2,875 mm
Front axle to fork face (X)	570 mm
Working aisle width (Ast)	4,445 mm, with 800 × 1,200 mm pallet
Working aisle width (Ast)	4,645 mm, with 1,000 × 1,200 mm pallet
Travel speed, laden / unladen	20 / 25 km/h
Lifting speed, laden / unladen	480 / 500 mm/s
Lowering speed, laden / unladen	450 / 450 mm/s
Drawbar pull, laden / unladen	32,870 / 21,658 N
Maximum gradeability, laden	27% / 23%
Service weight	per quotation
Tyre size, front / rear	300-15, 20PR / 7.00-12, 12PR
Wheelbase	2,050 mm
Ground clearance, lowest point / centre	155 mm / 222 mm

TÜVRheinland CERTIFIED
Management System ISO 9001:2015
www.tuv.com ID 9108648208

CE



Ast = X + R + b + a

b = load length
a = manoeuvring clearance / safety allowance: 200 mm

TAILIFT DIESEL — READY FOR MORE

Stable performance. Durable construction. Ready for the next task.

Tailift internal-combustion forklift trucks are designed for intensive operation in manufacturing facilities, logistics centres, material storage yards and other environments where **reliability, high drawbar pull** and **efficient load handling are essential.**

The efficient drive system delivers **stable power under load, smooth acceleration** and **strong performance** on uneven surfaces and in demanding operating conditions. A wide range of available configurations makes it possible to adapt the truck to the fuel type, application and operating environment.

The truck design supports **operator safety and comfort.** Excellent visibility, an ergonomic workstation, a suspension seat, LED lighting and a manoeuvring camera—available on newer versions—help ensure **precise load handling** and **improved awareness of the surrounding area.**

A **durable chassis, convenient service access** and **equipment designed for everyday operation** make the truck well suited for intensive outdoor use and operation in properly ventilated industrial facilities.

EQUIPMENT

- Four-valve hydraulic system
- Front and rear LED lighting
- Adjustable suspension seat with safety belt
- Adjustable steering column
- Clear LCD instrument display
- Rear assist handle with horn button
- Anti-slip access step
- Optional mast function lock system

DRIVE AND MOTOR PARAMETERS	
Capacity class	4.5 t
Drive type	Diesel
Engine manufacturer	Kubota
Engine model	3307-CR, Stage V
Maximum engine power	74 hp at 2 400 obr./min
Cylinders / displacement	4 / 3 331 cm³
Electrical system voltage	12 V
Battery capacity	85 Ah

Tailift MATERIAL HANDLING TAIWAN CO. LTD.
TOYOTA INDUSTRIES GROUP

This data sheet has been prepared with reference to the offered forklift truck configuration and is intended as supplementary information to the commercial offer. The technical parameters correspond to the configuration specified in the offer; however, selected values may change depending on the final equipment, attachments used, manufacturer updates or individual technical arrangements.
The stated data are nominal values and may vary within the tolerances resulting from the machine design, drive system, working systems and typical operating conditions. In the event of any discrepancy, the commercial offer, final technical specification and manufacturer's documentation shall prevail.

Technical data, Stage V information, CE marking and ISO 9001 certificate: as stated by the manufacturer Tailift Material Handling Taiwan Co., Ltd.

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MODEL FEATURES
EVERY DETAIL MATTERS

Tailift combines solid construction, refined ergonomics and solutions designed to support the operator in everyday work.

A well-designed workstation, excellent visibility, an efficient drive system and practical equipment help maintain smooth operation, control and safety throughout the entire shift.

These trucks are built for demanding operating cycles — durable, predictable and ready for the next task.

Every component has been designed with reliability, ease of operation and high productivity in a wide range of working conditions in mind.



REINFORCED CHASSIS
The bolt-free frame construction, made of high-carbon German steel, provides high rigidity, durability and resistance to heavy loads and elevated temperatures.



ENGINE

EMISSIONS COMPLIANCE
The engine meets stringent EPA/CARB Tier 4 Final and EU Stage V requirements, supporting cleaner and more efficient operation.

DPF TECHNOLOGY
The advanced diesel particulate filter enables automatic regeneration even at low engine speeds, reducing exhaust emissions and downtime.

HIGH PERFORMANCE
The engine delivers responsive acceleration, high torque and stable power when handling heavy loads.

SMOOTH AND STABLE OPERATION
The common-rail system with high-pressure fuel injection optimises combustion while reducing noise and vibration.

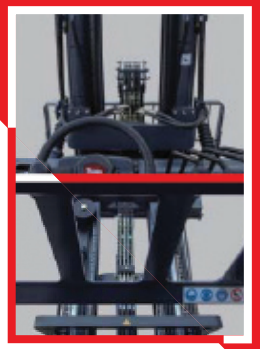
EFFICIENT FUEL CONSUMPTION
An efficient exhaust aftertreatment system and optimised regeneration process help reduce fuel consumption and pollutant emissions.

ADVANCED EXHAUST AFTERTREATMENT
The applied solutions reduce pollutant emissions and support compliance with applicable emission standards.

EASY MAINTENANCE
The compact, integrated engine design and convenient access to inspection points simplify routine checks and maintenance.



LED LIGHTING
High-performance LED lighting improves visibility during operation, consumes less energy and offers a longer service life.



EXCELLENT VISIBILITY
The carefully designed mast, overhead guard and rear section of the truck improve all-round visibility and support precise manoeuvring.



REVERSE DRIVING FEATURES
The rear assist handle with horn button and LED indicators supports safer reversing and manoeuvring in confined spaces.



ANTI-SLIP ACCESS STEP
The perforated access step improves safety when entering and leaving the truck, particularly on wet or dirty surfaces.



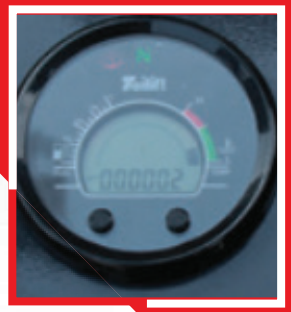
SUSPENSION SEAT
The suspension seat with safety belt improves operator comfort and helps reduce fatigue during extended working periods.



ERGONOMIC STEERING COLUMN
The adjustable steering column allows the workstation to be adapted to the operator and supports comfortable truck operation.



CONCEALED TILT CYLINDERS
The internal positioning of the tilt cylinders reduces the risk of damage, improves access to the working area and contributes to a cleaner overall design



CLEAR INSTRUMENT DISPLAY
The display provides the operator with key operating information, including battery status and the truck's basic functions.

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