TEREX®

OPERATING WEIGHT	17.6 t
ENGINE OUTPUT	149 kW (199 HP)
BUCKET CAPACITY	3.0 – 4.5 m³
TIPPING LOAD, STRAIGHT	13.2 t
TIPPING LOAD, ARTICULATED	11.5 t

Wheeled Loader TL310

Technical data

Engine	
Manufacturer, model	Cummins, QSB 6.7
Type	6-cylinder, turbocharged diesel engine, COM III/EPA III
Combustion	4-stroke, Common Rail injection
Displacement	6700 cm³
Net power rating at 2200 rpm (ISO 9249)	149 kW (199 hp)
Cooling system	Water

Electrical system	
Nominal voltage	24 V
Lighting system in compliance with German and European standards.	

Power transmission

Hydrostatic drive, closed circuit, independent from loader hydraulics. Driving automatics, that is, automatic optimization and adjustment of drawbar pull and speed. The travel drive in closed circuit additionally acts as non-wearing service brake. Hydraulic motor power shift providing two speed ranges. Infinitely variable speed control forward and reverse. 4-wheel drive from reduction gear on rear axle via cardan shaft to front axle. One inch-brake-drive pedal for sensitive driving and stopping at high engine speed.

2 gears:	
"Speed range I"	0-6 km/h
"Speed range II"	0-40 km/h

Axles

Front axle: Rigid planetary final drive axle. Self-locking differential (45%) as standard.

Rear axle: Oscillating (with cushioning) planetary final drive axle, with integrated reduction gear. All-wheel drive through cardan shaft to front axle. Self-locking differential (45%) as standard.

Angle of oscillation ±	12°

Tires	
Standard	23.5 R25 VJT Bridgestone
Option	23.5 R25 XHA L3 Michelin
Option	23.5 R25 X Mine D2 L5 Michelin
Option	23.5 R25 XLDD2A L5 Michelin
Option	23.5 R25 VMT L3 Bridgestone
Option	23.5 R25 VSDL L5 Bridgestone
Non-standard tires available on request	

Brakes

Service brake: Hydraulically actuated two-circuit power brake system. Wet discs in both axles acting on all 4 wheels via four-wheel drive.

Auxiliary brake: Hydrostatic through closed-circuit travel drive.

Parking brake: Spring-loaded brake acting on the discs of the rear axle.

Steering

Fully hydraulic, proportionally acting articulated steering. 2 steering cylinders with final positioning damping on both sides, enabling powerful steering operations. The steering oil supply follows the load-sensing-system; this ensures that the working hydraulics oil volume is available to the steering system as needed, so that fast steering movements are possible even at low engine speeds.

Total steering angle	80 deg.

Capacities	
Fuel tank	240 l
Hydraulic system (incl. tank)	135 l

Operating data, standard equipment	
Operating weight (ISO 6016)	17,600 kg
Empty weight	17,300 kg
Tipping load, straight (ISO 14397-1), directly mounted / QAS	13,200 / 12,700 kg
Tipping load, articulated (ISO 14397-1), directly mounted / QAS	11,500 / 11,000 kg
Total length, bucket on ground	7600 mm
Total width	2680 mm
Turning radius at outside bucket edge	6475 mm
Turning radius at outside edge of tires	5900 mm
Turning radius at inside edge of tires	3065 mm
Wheelbase	3250 mm
Total height (top of cab)	3400 mm

Hydraulic system	
Max. pump capacity	220 l/min
Operating pressure	350 bar

Control unit: Proportional hydraulic valve with 3 control circuits and load-independent flow division (LIFD). Simultaneous, independent control of all movements. Sensitive maneuvers irrepective of loads. Control circuits "Lift / Lower" and "Tilt-back / Dump" pilot-operated. Additional control circuit electrically operated with preselection of flow rate and impulse/continous operation. Single, four-way control lever (multi-function lever) with integrated travel direction selector switch and switch for additional control circuit for ease of operation.

Loader frame	
Loader frame with TSP-linkage, attachments directly mounted.	
General-purpose bucket (ISO 7546)	3.10 m³
Payload in general-purpose bucket 3.0 m³, QAS	5400 kg
Payload in general-purpose bucket 3.1 m³, directly mounted	5580 kg
Lift capacity at ground level (ISO 14397-2)	232,000 N
Breakout force at bucket edge (ISO 14397-2), QAS	128,900 N
Breakout force at bucket edge (ISO 14397-2), directly mounted	153,600 N

Fork lift attachment	
Payload over the total lift and steering range	9000 kg
Width of fork carrier	1900 mm
Length pallet forks (150 x 70 mm)	1200 mm
Stability factor	1.25
Payload determined on level ground = 80 % of tipping load, articulated	

Cab

Detachable driver's cab, ROPS (acc. to ISO 3471) and FOPS (acc. to ISO 3449) certified. FOPS-compliant only with protective roof grate. Tinted panoramic safety glass, sky-light window. Cab featuring two doors, 180 deg. aperture angle and foldable rear mirrors. 2 front and 2 rear working floodlights. Sliding window on left-hand side door as standard. Electrical windshield wiper with front and rear washing system. Hot water cab heating with 3-speed heater fan, windshield defroster - front and rear -, two adjustable nozzles each for windshield, footwell and rear window. Heating blower convertible from circulating to fresh air mode. Fresh air filter with a dust filtration unit of 2.8 µm.

Ergonomically designed driver station with functional design, very good circumferential visibility and optimally designed control elements. All operating functions are ergonomically arranged. Driver's seat with hydraulic cushioning, progressively adjustable to operator's weight, lap belt, longitudinal and height adjustment, in compliance with ISO 7096 and ISO 6683. Level and elastically mounted driver cab floor makes entry and exit as well as cab cleaning easier.

Climate control as standard. Radio pre-installation.

Height and tilt-adjustable steering wheel.

Holders and deposit for on-board tools, first-aid kit and operating manuals.

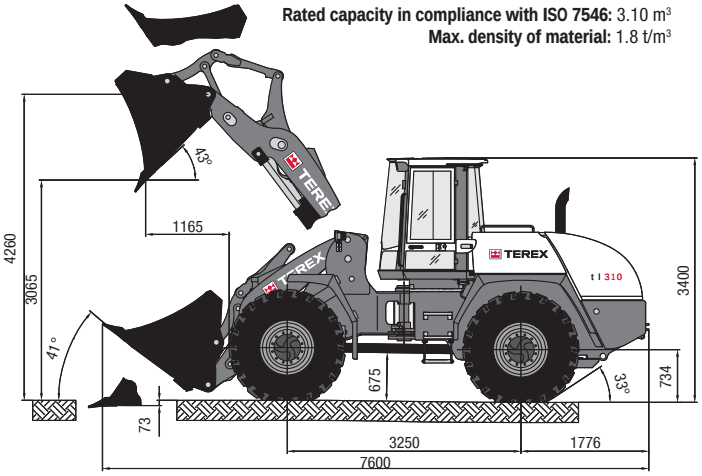
Sound level values in compliance with EC-directives.

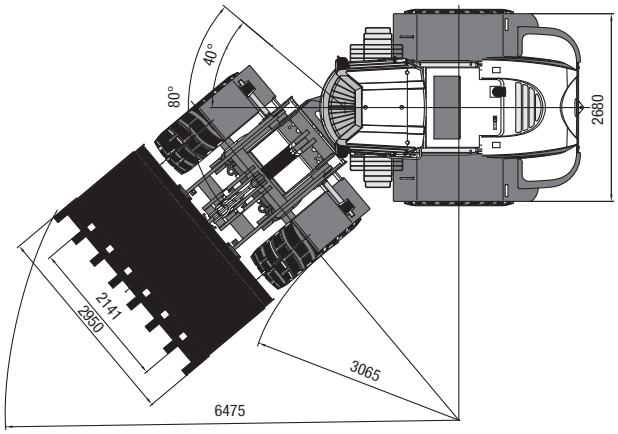
Wheeled Loader

TL310

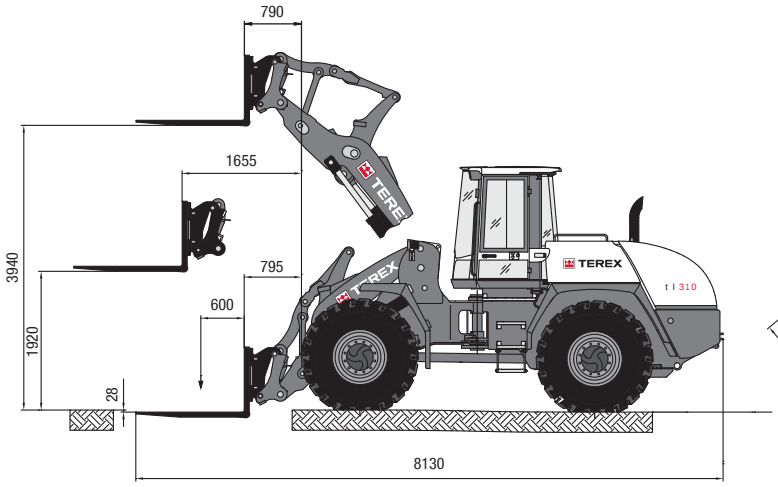
Dimensions: General-Purpose Bucket

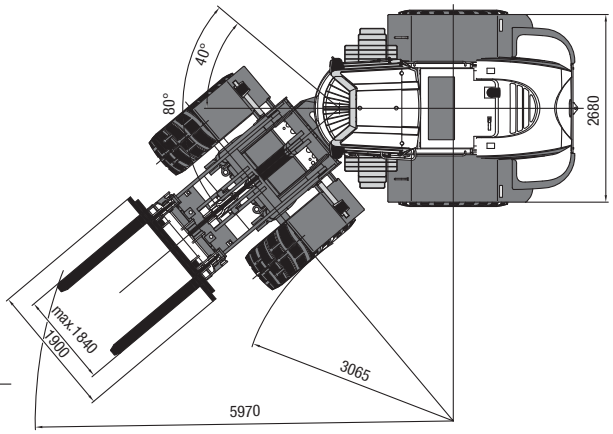
Rated capacity in compliance with ISO 7546: 3.10 m³
Max. density of material: 1.8 t/m³





Fork lift attachment





Payload over total lift range: 9000 kg

Bucket Type

	Capacity	Density	Width	Dump height
General-purpose bucket, QAS, teeth	3.00 m³	1.8 t/m³	2950 mm	3065 mm
General-purpose bucket, QAS, bolt-on cutting edge	3.00 m³	1.8 t/m³	2950 mm	3065 mm
General-purpose bucket, directly mounted, teeth	3.10 m³	1.8 t/m³	2950 mm	approx. 3135 mm
General-purpose bucket, directly mounted, bolt-on cutting edge	3.10 m³	1.8 t/m³	2950 mm	approx. 3165 mm
Earth bucket, QAS, teeth	3.30 m³	1.6 t/m³	2950 mm	approx. 3025 mm
Earth bucket, QAS, bolt-on cutting edge	3.30 m³	1.6 t/m³	2950 mm	approx. 3025 mm
Earth bucket, directly mounted, teeth	3.30 m³	1.6 t/m³	2950 mm	approx. 3095 mm
Light-material bucket, QAS, bolt-on cutting edge	3.80 m³	1.2 t/m³	2950 mm	approx. 2885 mm
Light-material bucket, QAS, bolt-on cutting edge	4.50 m³	0.8 t/m³	2950 mm	approx. 2675 mm
Examples of Material Densities				
Granite, Basalt, Sand (damp), Gravel (damp), Slate:	1.8 - 2.2 t/m³	Topsoil, Clay, Mineral coal:		1.1 - 1.6 t/m³
Sandstone, Gypsum, Limestone, Soil (damp), Sand (dry), Gravel (dry):	1.5 - 1.8 t/m³	Wood chips (dry), Compost, Coke:		0.2 - 1.0 t/m³

Terex GmbH Schaeffstrasse 8
D-74595 Langenburg, Germany
TEL +49 (0)7905 / 58-0 **FAX** +49 (0)7905 / 58114
EMAIL info@terex-schaeff.com **WEB** terex.com

Ref.-No.: TEREX625UK