

WHEEL LOADER



Specifications

| | |
|---------------------------|-------------------------|
| Operating weight | 5700 kg |
| Engine Output | 54 kW (74 HP) |
| Bucket Capacity | 1.0-1.55 m ³ |
| Tipping load, straight | 4400 kg |
| Tipping load, articulated | 3900 kg |

Features

- ▶ Excellent operator visibility
- ▶ Great working environment
- ▶ Minimum downtime
- ▶ Customised controls
- ▶ Improved stopping control
- ▶ Perfect balance

WORKS FOR YOU.[™]

SPECIFICATIONS

ENGINE

| | |
|--|---|
| Manufacturer, model | Deutz, TD 2011 L04 W |
| Type | 4-cylinder turbocharged diesel engine, EC phase III A, EPA Interim Tier 4 |
| Combustion | 4-stroke cycle, direct fuel injection |
| Displacement | 3,620 cm ³ |
| Net power rating at 2,200 rpm (ISO 9249) | 54 kW (74 HP) |
| Cooling system | Water |

ELECTRICAL SYSTEM

| | |
|-----------------|------|
| Nominal voltage | 12 V |
|-----------------|------|

Lighting system in compliance with German and European standards.

POWER TRANSMISSION

Hydrostatic drive, closed circuit, independent from loader hydraulics. Perfected driving automatics, automatic adjustment of drawbar pull and speed. 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. Brake inching pedal.

2 speed ranges:

| | |
|--------|----------|
| "Low" | 0-6 kph |
| "High" | 0-20 kph |

4 speed ranges (high-speed version optional):

| | |
|--------|-----------------|
| "Low" | 0-6 / 0-18 kph |
| "High" | 0-12 / 0-36 kph |

AXLES

Front: Rigid planetary final drive axle. Limited slip-type differential 45%.

Rear: Oscillating (with cushioning) planetary final drive axle, with integrated reduction gear. Limited slip-type differential 45%.

| | |
|----------------------|------|
| Angle of oscillation | ±12° |
|----------------------|------|

TIRES

| | |
|----------|--------------------------|
| Standard | 405/70 R 20 SPT 9 Dunlop |
|----------|--------------------------|

BRAKES

| | |
|------------------|--|
| Service brake: | Hydraulically actuated center-mounted disc brake, acting on all 4 wheels via 4-wheel drive |
| Auxiliary brake: | Hydrostatic drive provides dynamic braking |
| Parking brake: | Mechanically actuated center-mounted disc brake on front axle |

STEERING

Articulated, 2 steering cylinders with final positioning damping on both sides, fully hydraulic through Load-Sensing priority valve, quick and easy steering even at engine idle-running speed.

| | |
|----------------------|-----|
| Total steering angle | 80° |
|----------------------|-----|

FLUID CAPACITIES

| | |
|-------------------------------|-------|
| Fuel tank | 110 l |
| Hydraulic system (incl. tank) | 88 l |

OPERATING DATA, STANDARD EQUIPMENT

| | |
|---|-----------|
| Operating weight (ISO 6016) | 5,700 kg |
| Tipping load, straight, arms horizontal (ISO 14397-1) | 4,400 kg. |
| Tipping load, straight, arms horizontal (ISO 14397-1) | 3,900 kg. |
| Total length, bucket on ground | 5,270 mm |
| Total width | 1,950 mm |
| Turning radius at outside bucket edge | 4,445 mm |
| Wheelbase | 2,220 mm |
| Total height (top of cab) | 2,765 mm |



HYDRAULIC SYSTEM

| | |
|-----------------------|----------|
| Max. pump capacity | 76 l/min |
| Max. working pressure | 250 bar |

Control unit: Proportional hydraulic valve with 3 control circuits and high-speed control for tilting. Simultaneous, independent control of all movements. Single, four-way control lever (multi-function lever) for 1 tilt and 1 lift cylinder with integrated travel direction selector switch and switch for additional control circuit. Float position in control circuit "Lowering", electro-hydraulically operated. Additional control circuit including quick couplers and continuous operation function provided as standard.

LOADER FRAME

Loader installation featuring true parallel linkage and integrated mechanical (optionally hydraulic) quick-attach system.

| | |
|---|---------------------|
| General-purpose bucket (ISO 7546) | 1.00 m ³ |
| Lift capacity at ground level (ISO 14397-2) | 61,000 N |
| Breakout force at bucket edge (ISO 14397-2) | 55,000 N |

FORK LIFT ATTACHMENT

| | |
|--|-------------------|
| Payload over the total lift and steering range | 2,400 (2,600*) kg |
| Payload in transport position, approx. 300 mm above ground level, total steering range | 3,200* kg |
| Width of fork carrier | 1,240 mm |
| Length pallet forks (100x45 mm) | 1,100 mm |
| Stability factor | 1.25 |

Payload determined on level ground = 80 % of tipping load, articulated

CAB

Rubber-mounted full-vision steel cab, ROPS (acc. to ISO 3471) and FOPS** (acc. to ISO 3449) certified. Cab featuring two doors, electric windshield intermittent wipers and washer (front and rear), tinted panoramic safety glass, sliding window on left-hand side.

Driver's seat with hydraulic cushioning and lap belt, weight-adjustable, in compliance with ISO 7096 and ISO 6683.

Cab heating with 3-speed heater fan (choice fresh air/recirculating air) and windshield defroster, front and rear.

Air conditioning and radio pre-installation.

Height- and tilt-adjustable steering wheel.

2 working floodlights, front.

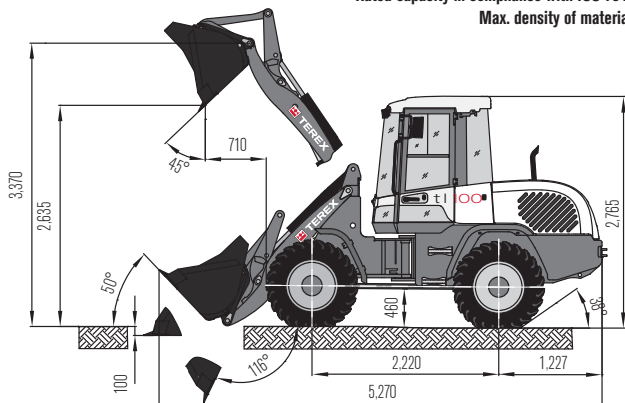
Sound level values in compliance with EC-directives.

*With rear axle weights

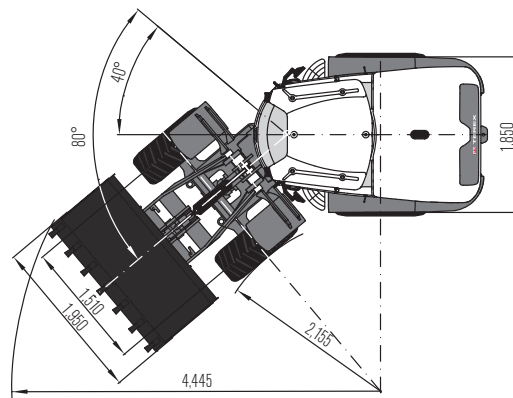
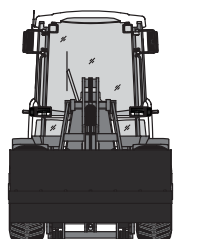
**FOPS-compliant only with protective roof grate (optional)

DIMENSIONS: GENERAL-PURPOSE BUCKET

Rated capacity in compliance with ISO 7546: 1.00 m³
Max. density of material: 1.8 t/m³

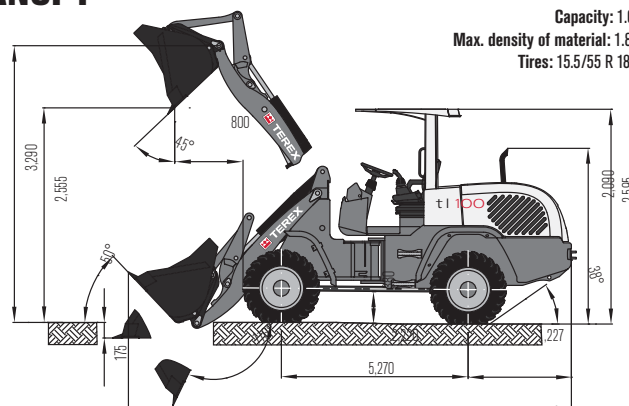


FRONT VIEW



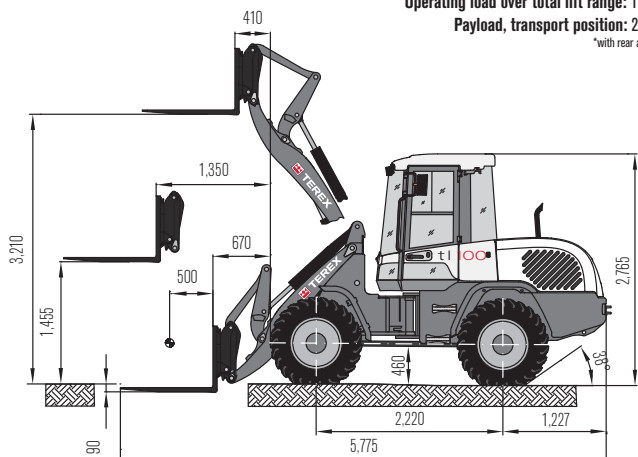
CANOPY

Capacity: 1.00 m³
Max. density of material: 1.8 t/m³
Tires: 15.5/55 R 18 MPT



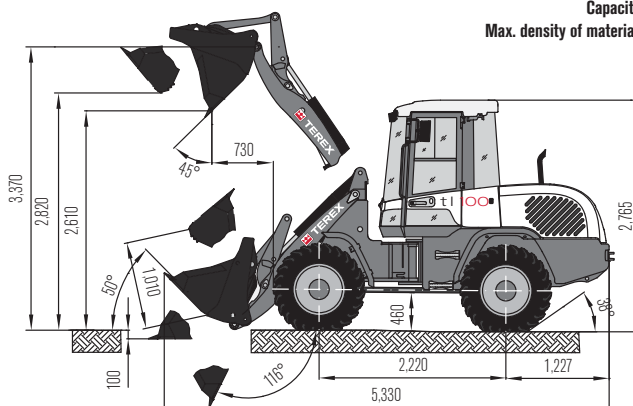
FORK LIFT ATTACHMENT

Operating load over total lift range: 1,586 kg*
Payload, transport position: 2,000 kg*
*with rear axle weights



MULTI-PURPOSE BUCKET

Capacity: 0.90 m³
Max. density of material: 1.6 t/m³



BUCKET TYPE

| Bucket Type | Capacity | Density | Width | Dump height |
|--|---------------------|----------------------|----------|-------------|
| General-purpose bucket, quick-attach system (QAS), teeth | 1.00 m ³ | 1.8 t/m ³ | 1,950 mm | 2,635 mm |
| General-purpose bucket, QAS, bolt-on cutting edge | 1.00 m ³ | 1.8 t/m ³ | 1,950 mm | 2,595 mm |
| Earth bucket, QAS, teeth | 1.10 m ³ | 1.6 t/m ³ | 1,950 mm | 2,585 mm |
| Earth bucket, QAS, bolt-on cutting edge | 1.10 m ³ | 1.6 t/m ³ | 1,950 mm | 2,545 mm |
| Light-material bucket, QAS, bolt-on cutting edge | 1.35 m ³ | 1.2 t/m ³ | 2,050 mm | 2,510 mm |
| Light-material bucket, QAS, bolt-on cutting edge | 1.55 m ³ | 0.8 t/m ³ | 2,200 mm | 2,485 mm |
| Multi-purpose bucket, QAS | 0.90 m ³ | 1.6 t/m ³ | 1,950 mm | 2,610 mm |
| Side-dump bucket, QAS, without teeth | 0.85 m ³ | 1.8 t/m ³ | 2,050 mm | 2,515 mm |
| High-tip bucket, QAS, without teeth | 1.00 m ³ | 1.2 t/m ³ | 2,050 mm | 3,835 mm |
| Quarry bucket, QAS | 0.90 m ³ | 1.8 t/m ³ | 2,050 mm | 2,610 mm |
| Loading bucket with 4 prongs | 1.05 m ³ | 1.8 t/m ³ | 2,050 mm | 2,625 mm |

EXAMPLES OF MATERIAL DENSITIES

| | | | |
|--|----------------------------|----------------------------------|----------------------------|
| Granite, Basalt, Sand (damp), Gravel (damp), Slate: | 1.8 - 2.2 t/m ³ | Topsoil, Clay, Mineral coal: | 1.1 - 1.6 t/m ³ |
| Sandstone, Gypsum, Limestone, Soil (damp), Sand (dry), Gravel (dry): | 1.5 - 1.8 t/m ³ | Wood chips (dry), Compost, Coke: | 0.2 - 1.0 t/m ³ |

OPTIONAL EQUIPMENT

TIRES

| |
|---|
| 405/70 R 20 EM 01 Mitas |
| 400/70 R 20 IT530 Goodyear |
| 380/75 R 20 XMCL Michelin |
| 405/70 R 20 MPT E-70 Conti |
| 405/70 R 20 PG75RCL Dunlop |
| 500/45-20 J331 Breitreifen |
| Non-standard tires available on request |

FRONT ATTACHMENTS

| | |
|---|---------------------|
| General-purpose bucket* | 1.00 m ³ |
| Earth bucket* | 1.10 m ³ |
| Light-material bucket* | 1.35 m ³ |
| Light-material bucket* | 1.55 m ³ |
| Side-dump bucket* | 0.85 m ³ |
| High-tip bucket* | 1.00 m ³ |
| Multi-purpose bucket* | 0.90 m ³ |
| Quarry bucket | 0.90 m ³ |
| Compost bucket | 1.05 m ³ |
| Front ripper with 4 prongs | |
| Fork lift attachment with forks | |
| Load hook attachable on fork arms | |
| Load hook integrated in quick-attach system | |
| Crane jib with rigid arm | |
| Crane jib, telescopic (mechanical) | |
| Sweeper, snow blade | |
| *optionally with bolt-on cutting edge | |

DRIVER'S STAND

Air-cushioned driver's comfort seat with orthopedic lumbar support and adjustable armrests and headrest

ENGINE

| | |
|------------------------|----------|
| Diesel exhaust cleaner | Catalyst |
|------------------------|----------|

HYDRAULIC SYSTEM

| | |
|---|---|
| Open return | 4 th control circuit, proportional |
| Hydraulic outlet for front hand-held hammer | 4 th control circuit, electrical |
| „High flow“ hydraulics, 120 l/min, 175 bar | |

CAB

| | |
|-------------------------------------|---------------------------------------|
| FOPS-skylight guard | Pressurized cabin |
| Right-hand door with sliding window | Independent diesel heating with timer |
| Working floodlight, rear | Air conditioning |
| Yellow beacon | |

OTHER OPTIONAL EQUIPMENT

| | |
|---|--|
| High-speed version 36 km/h | Anti-teft device (immobilizer) |
| Filling with biodegradable hydraulic oil, ester-based, BIO-E-HYD-HEES | Special creep versions available on request |
| Electrical tank refilling pump | Rear axle weights |
| Pilot-controlled hose-rupture valves for lift and tilt cylinders | Quick couplers (flat face) for 3 rd control circuit on lift frame |
| Back-up alarm for reverse travel | Ride control system |
| Central lubrication system | Battery disconnecter |
| Manual throttle, transmission deactivated | |
| Further optimal equipment available on request | |

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Ref.-No.: TEREX570UK

Terex Compact
Schaeffstr. 8, D-74595 Langenburg
Tel: +49 (0)7905 / 58-0 Fax : +49 (0)7905 / 58114
Email: info@terex-schaeff.com www.terex.de



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