

WHEEL LOADER



Specifications

Operating weight	7000 kg
Engine power	74.4 kW (101 HP)
Bucket capacity	1.2-1.8 m ³
Tipping load, straight	5000 kg
Tipping load, articulated	4400 kg

Features

- ▶ Maximum visibility from the cab
- ▶ Top-class quick-attach system
- ▶ Excellent parallel kinematics
- ▶ 2 doors
- ▶ Comfort cab with comfort steering
- ▶ Easy-handling joystick with third and fourth control circuit in one hand
- ▶ Terex Smart Control (TSC)
- ▶ Excellent service access
- ▶ Central pivot with floating axle, the same as on larger wheel loaders
- ▶ Automatic self-locking differentials in both axles

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SPECIFICATIONS

ENGINE

Manufacturer, model	Deutz, TCD3.6 L4
Type	4-cylinder turbo diesel engine with intercooler, EU Stage III B / Tier4i
Combustion	4-stroke cycle, Common Rail injection
Displacement	3600 cm ³
Net power rating at 2200 rpm (ISO 9249)	74.4 kW (101 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 / 0-19 kph
"High"	0-11 / 0-36 kph

AXLES

Front: Rigid planetary final drive axle, center-mounted drum brake. 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	±8°
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TIRES

Standard	405/70 R 20 SPT 9 Dunlop
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BRAKES

Service brake: Hydraulically actuated center-mounted drum brake, acting on all 4 wheels via 4-wheel drive.

Auxiliary brake: Hydrostatic through closed-circuit travel drive.

Parking brake: Mechanically actuated center-mounted drum 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°
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FLUID CAPACITIES

Fuel tank	110 l
Hydraulic system (incl. tank)	93 l

OPERATING DATA, STANDARD EQUIPMENT

Operating weight (ISO 6016)	7000 kg
Tipping load, straight at full reach (ISO 14397-1)	5000 kg
Tipping load, articulated at full reach (ISO 14397-1)	4400 kg
Total length, bucket on ground	5480 mm
Total width	2100 mm
Turning radius at outside bucket edge	4680 mm
Wheelbase	2290 mm
Total height (top of cab)	2780 mm



HYDRAULIC SYSTEM

Pump capacity	78 l/min
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 tilt and 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)	1.20 m ³
Lift capacity at ground level (ISO 14397-2)	71,000 N
Breakout force at bucket edge (ISO 14397-2)	59,000 N

FORK LIFT ATTACHMENT

Operating load over the total lift and steering range	2900 (3100*) kg
Operating load in transport position, approx. 300 mm above ground level, total steering range	3500 kg
Width of fork carrier	1240 mm
Length pallet forks (140x50 mm)	1120 mm
Stability factor	1.25

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

CAB

Rubber-mounted full-vision steel cab, ROPS (EN ISO 3471) and FOPS** (EN 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 MSG85 (standard version) 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.

Steering wheel with height and tilt adjustment.

2 working floodlights, front.

Sound power level L_{WA} 101 dB (A)

Sound pressure level L_{pA} 74 dB (A)

Sound level values measured in compliance with Directive 2000/14/EC and EN474.

Effective values of acceleration for whole body less than 0.5 m/s²

Effective values of acceleration for hand-arm less than 2.5 m/s²

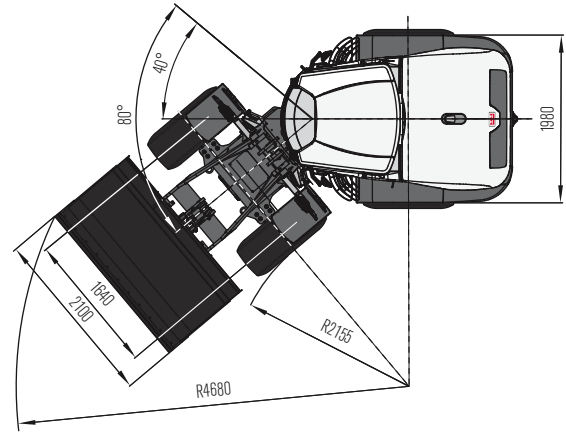
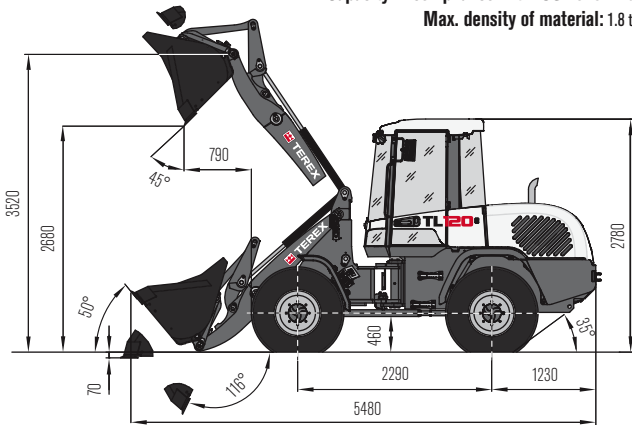
Vibration values measured in compliance with Directive 98/37/EEC and EN474.

*With rear axle weights

**FOPS-approved only with skylight guard (optional)

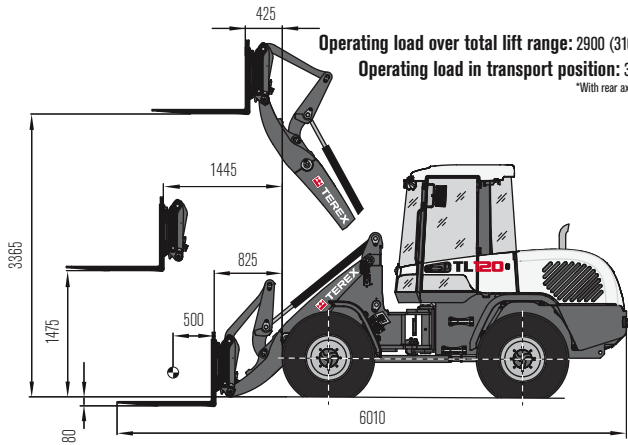
DIMENSIONS: GENERAL-PURPOSE BUCKET

Capacity in compliance with ISO 7546: 1.20 m³
Max. density of material: 1.8 t/m³



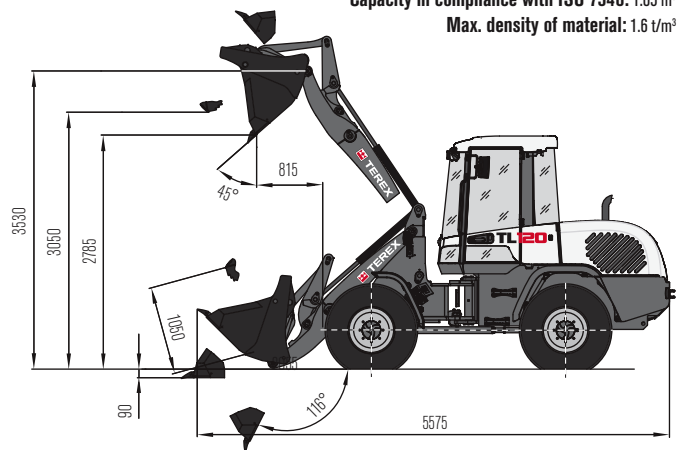
FORK LIFT ATTACHMENT

Operating load over total lift range: 2900 (3100*) kg
Operating load in transport position: 3500 kg
*With rear axle weights



MULTI-PURPOSE BUCKET

Capacity in compliance with ISO 7546: 1.05 m³
Max. density of material: 1.6 t/m³



BUCKET TYPE

	Contents	Density	Width	Dump height
General-purpose bucket, quick-attach system (QAS), teeth	1.20 m ³	1.8 t/m ³	2100 mm	2750 mm
General-purpose bucket, QAS, bolt-on cutting edge	1.20 m ³	1.8 t/m ³	2100 mm	2710 mm
Earth bucket, QAS, teeth	1.35 m ³	1.6 t/m ³	2100 mm	2700 mm
Earth bucket, QAS, bolt-on cutting edge	1.35 m ³	1.6 t/m ³	2100 mm	2660 mm
Light-material bucket, bolt-on cutting edge	1.55 m ³	1.2 t/m ³	2100 mm	2610 mm
Light-material bucket, bolt-on cutting edge	1.80 m ³	0.8 t/m ³	2200 mm	2550 mm
Multi-purpose bucket, QAS	1.05 m ³	1.6 t/m ³	2100 mm	2785 mm
Side-dump bucket, QAS, without teeth	0.85 m ³	1.8 t/m ³	2100 mm	2665 mm
High-tip bucket, QAS, without teeth	1.20 m ³	1.2 t/m ³	2100 mm	3970 mm
High-tip bucket, QAS, without teeth	1.80 m ³	0.6 t/m ³	2200 mm	4030 mm
Quarry bucket, QAS	0.95 m ³	2.15 t/m ³	2100 mm	2780 mm
Compost bucket	1.20 m ³	1.2 t/m ³	2100 mm	2750 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 XZSL Michelin
16/70-20 EM E 91-2 Dunlop
420/75 R 20 XMCL Michelin
405/70 R 20 MPT E-70 Conti
Non-standard tires available on request

FRONT ATTACHMENTS

General-purpose bucket*	1.20 m ³
Earth bucket*	1.35m ³
Light-material bucket*	1.55 m ³
Light-material bucket*	1.80 m ³
Side-dump bucket*	0.85 m ³
High-tip bucket*	1.20 m ³ / 1.80 m ³
Multi-purpose bucket*	1.05 m ³
Quarry bucket	0.95 m ³
Compost bucket	1.20 m ³
Front ripper with 4 prongs	
Fork lift attachment: Fork carrier, 1240 mm wide	
Forks, 1120 mm long, 140 mm wide, 50 mm high	
Load hook, attachable on fork arms	
Load hook, integrated in quick-attach system	
Crane jib with rigid arm	
Crane jib, telescopic (mechanical)	
Snow blade	

*optionally with bolt-on cutting edge

DRIVER'S STAND

Operator's seat MSG 85 (comfort version), hydraulic damping, extra-high backrest, weight-adjustable, lap belt

Air-cushioned operator's seat MSG 95 (premium version) with orthopedic lumbar support, extra-high backrest, adjustable armrests, seat and backrest heating

HYDRAULIC SYSTEM

Open return 4th control circuit, electrical, proportional front

Hydraulic outlet for front hand-held hammer 4th control circuit, electrical, proportional rear

"High flow" hydraulics, 116 l/min, 180 bar

CAB

FOPS-skylight guard Yellow beacon

Right-hand door with sliding window Engine-independent diesel heater with timer

Working floodlight, rear Air-conditioning

OTHER OPTIONAL EQUIPMENT

High-speed version 36 kph Manual throttle, transmission deactivated

Filling with biodegradable hydraulic oil, ester-based, BIO-E-HYD-HEES Anti-theft device (immobilizer)

Electrical tank refilling pump Rear axle weights

Pilot-controlled hose-rupture valves for lift and tilt cylinders Ride control system

Back-up alarm for reverse travel Battery disconnecter

Central lubrication system

Further optional equipment available on request

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Effective Date: Wednesday, May 01, 2013. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product. Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. "Terex" is a registered trademark of Terex Corporation in the USA and many other countries. Copyright © 2013 Terex Corporation (R6_211113) Ref. no.: TEREX571EN

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