



TEREX®

TL100

WHEEL LOADER



Specifications

Operating weight	13,288 lbs (6,000 kg)
Engine Output	73 hp (54 kW)
Bucket Capacity	1.31-2.03 yd ³ (1.0-1.55 m ³)
Tipping load, straight	10,540 lbs (4,780 kg)
Tipping load, articulated	9,305 lbs (4,221 kg)
Operating Load, articulated	4,653 lbs (2,110 kg)

Features

- ▶ Hydrostatic drive provides the high speed, low torque effort when you are traveling across a jobsite, then changes to high torque, low speed when you demand greater traction and more power.
- ▶ Transverse-mounted turbocharged diesel engine provides additional counterweight to the rear of the machine for greater stability and improved loader performance. Transverse mounting also provides ample access for easier engine service.
- ▶ Oscillating rear axle provides stable operation on uneven ground while maintaining 4-wheel traction for greater operator comfort and control.
- ▶ Single pin articulated joint provides a more stable platform and less need for adjustments and maintenance.
- ▶ Hydrostatic drive provides dynamic braking and helps increase service brake life.

WORKS FOR YOU.™

SPECIFICATIONS

OPERATING DATA, STANDARD EQUIPMENT

Operating weight (SAE J 1197)	13,288 lbs (6,000 kg)
Tipping load, straight at full reach	10,540 lbs (4,780 kg)
Tipping load, articulated at full reach	9,305 lbs (4,221 kg)
Total length, bucket on ground	17' 3" (5,270 mm)
Total width	6' 5" (1,950 mm)
Turning radius at outside bucket edge	14' 7" (4,445 mm)
Wheelbase	7' 3" (2,220 mm)
Total height (top of cab)	9' 1" (2,765 mm)

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	222 in ³ (3,620 cm ³)
Net power rating at 2,200 rpm (SAE J 1349)	73 hp (54 kW)
Cooling system	Water

ELECTRICAL SYSTEM

Nominal voltage	12 V
Battery	12 V / 100 Ah / 850 A

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"	0-3.7 mph (0-6 km/h)
"High"	0-12.4 mph (0-20 km/h)

4 speed ranges (high-speed version optional):

"Low"	0-3.7 mph (0-6 km/h) / 0-11.2 mph (0-18 km/h)
"High"	0-7.5 mph (0-12 km/h) / 0-22 mph (0-36 km/h)
Drawbar pull	9,873 lbs (4,388 daN)

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%. ?Rear axle weights, 662 lbs (300 kg), standard.?

Angle of oscillation	±12°
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TIRES

Standard	405/70 R 20 SPT 9 Dunlop
Optional tires available, see options section	

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°
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FLUID CAPACITIES

Fuel tank	29 gal (110 l)
Hydraulic system (incl. tank)	23 gal (88 l)



HYDRAULIC SYSTEM

Max. pump capacity	19 gpm (76 l/min)
Max. working pressure	3,626 psi (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 (SAE J 742)	1.31 yd ³ (1.00 m ³)
Lift capacity at ground level (SAE J 732)	13,713 lbs (61,000 N)
Breakout force at bucket edge (SAE J 732)	12,365 lbs (55,000 N)

FORK LIFT ATTACHMENT

Operating load (SAE J 1197), over the total lift and steering range	3,497 lbs (1,586 kg)*
Operating load in transport position, above ground level, total steering range	4,410 lbs (2,000 kg)*
Width of fork carrier	4' 1" (1,240 mm)
Length pallet forks 4" x 1.8" (100 mm x 45 mm)	3' 7" (1,100 mm)
Stability factor on level and solid ground	2
Load center from fork attachment point	22" (560 mm)

CAB

Rubber-mounted full-vision steel cab, ROPS (SAE J 1040) and FOPS** (SAE J 231) certified.

Cab features two doors, level entry to cab and easy-to-clean floor.

Cab featuring two doors, Electric windshield wipers and washer (front and rear), tinted panoramic safety glass and sliding window on left-hand side.

Operator's seat is weight adjustable and includes hydraulic cushioning and lap belt.

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

Radio and air conditioning wiring pre-installed.

Steering wheel with height and tilt adjustment.

2 front working floodlights, front.

Sound level values in compliance with EC-directives.

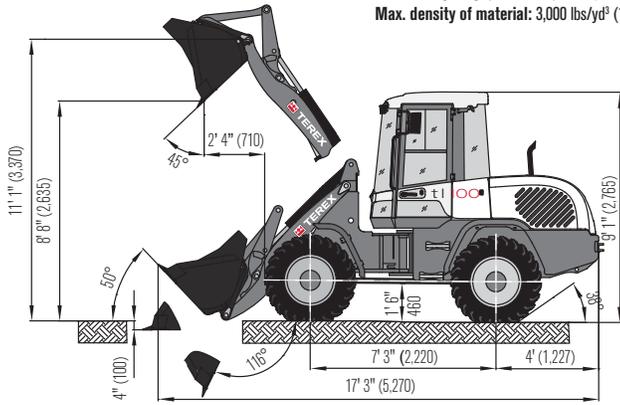
*With rear axle weights

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

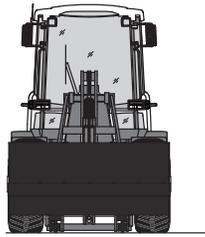
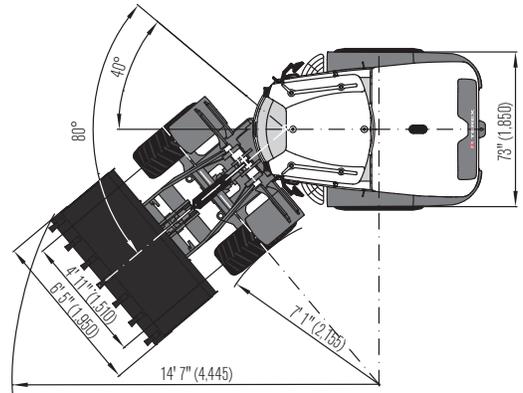
DIMENSIONS: GENERAL-PURPOSE BUCKET

TL100

Capacity (SAE J 742): 1.31 yd³ (1.00 m³)
 Max. density of material: 3,000 lbs/yd³ (1.8 t/m³)

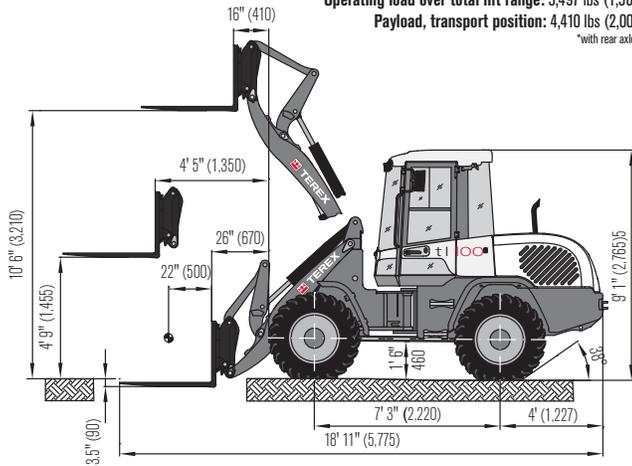


FRONT VIEW



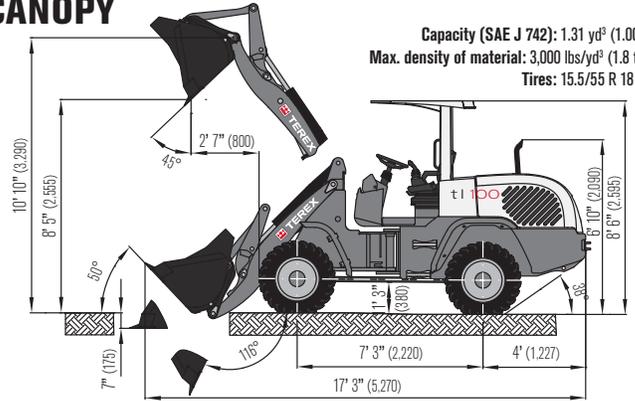
FORK LIFT ATTACHMENT

Operating load over total lift range: 3,497 lbs (1,586 kg)*
 Payload, transport position: 4,410 lbs (2,000 kg)*
*with rear axle weights



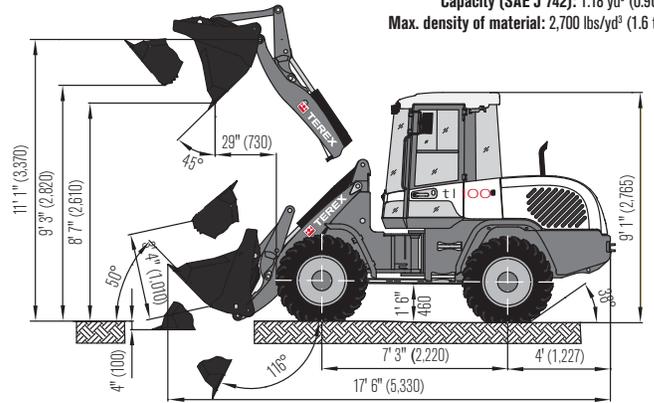
CANOPY

Capacity (SAE J 742): 1.31 yd³ (1.00 m³)
 Max. density of material: 3,000 lbs/yd³ (1.8 t/m³)
 Tires: 15.5/55 R 18 MPT



MULTI-PURPOSE BUCKET

Capacity (SAE J 742): 1.18 yd³ (0.90 m³)
 Max. density of material: 2,700 lbs/yd³ (1.6 t/m³)



BUCKET TYPE

	Capacity	Density	Width	Dump height
General-purpose bucket, quick-attach system (QAS), teeth	1.31 yd ³ (1.00 m ³)	3,000 lbs/yd ³ (1.8 t/m ³)	6' 5" (1,950 mm)	8' 8" (2,635 mm)
General-purpose bucket, QAS, bolt-on cutting edge	1.31 yd ³ (1.00 m ³)	3,000 lbs/yd ³ (1.8 t/m ³)	6' 5" (1,950 mm)	8' 6" (2,595 mm)
Earth bucket, QAS, teeth	1.44 yd ³ (1.10 m ³)	2,700 lbs/yd ³ (1.6 t/m ³)	6' 5" (1,950 mm)	8' 6" (2,585 mm)
Earth bucket, QAS, bolt-on cutting edge	1.44 yd ³ (1.10 m ³)	2,700 lbs/yd ³ (1.6 t/m ³)	6' 5" (1,950 mm)	8' 4" (2,545 mm)
Light-material bucket, QAS, bolt-on cutting edge	1.77 yd ³ (1.35 m ³)	2,000 lbs/yd ³ (1.2 t/m ³)	6' 9" (2,050 mm)	8' 3" (2,510 mm)
Light-material bucket, QAS, bolt-on cutting edge	2.03 yd ³ (1.55 m ³)	1,333 lbs/yd ³ (0.8 t/m ³)	7' 3" (2,200 mm)	8' 2" (2,485 mm)
Multi-purpose bucket, QAS	1.18 yd ³ (0.90 m ³)	2,700 lbs/yd ³ (1.6 t/m ³)	6' 5" (1,950 mm)	8' 7" (2,610 mm)
Side-dump bucket, QAS, without teeth	1.11 yd ³ (0.85 m ³)	3,000 lbs/yd ³ (1.8 t/m ³)	6' 9" (2,050 mm)	8' 3" (2,515 mm)
High-tip bucket, QAS, without teeth	1.31 yd ³ (1.00 m ³)	2,000 lbs/yd ³ (1.2 t/m ³)	6' 9" (2,050 mm)	12' 7" (3,835 mm)
Quarry bucket, QAS	1.18 yd ³ (0.90 m ³)	3,000 lbs/yd ³ (1.8 t/m ³)	6' 9" (2,050 mm)	8' 7" (2,610 mm)
Loading bucket with 4 prongs	1.37 yd ³ (1.05 m ³)	3,000 lbs/yd ³ (1.8 t/m ³)	6' 9" (2,050 mm)	8' 7" (2,625 mm)

EXAMPLES OF MATERIAL DENSITIES

Earth (top soil):	2,550 lbs/yd ³ (1,512 kg/m ³)	Clay (dry), clay & gravel (wet), earth with sand & gravel:	3,100 lbs/yd ³ (1,839 kg/m ³)
Earth (dry):	2,650 lbs/yd ³ (1,572 kg/m ³)	Gravel (sandy), gravel (wet):	3,700 lbs/yd ³ (2,195 kg/m ³)
Earth (moist), clay with gravel (dry):	3,000 lbs/yd ³ (1,780 kg/m ³)	Clay (natural bed), clay (wet)	3,500 lbs/yd ³ (2,077 kg/m ³)
Earth (compacted), gravel (dry):	3,000 lbs/yd ³ (1,780 kg/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 Wide base tires
Non-standard tires available on request

LOADER ATTACHMENTS

General-purpose bucket*	1.31 yd ³ (1.00 m ³)
Earth bucket*	1.44 yd ³ (1.10 m ³)
Light-material bucket*	1.77 yd ³ (1.35 m ³)
Light-material bucket*	2.03 yd ³ (1.55 m ³)
Side-dump bucket*	1.11 yd ³ (0.85 m ³)
High-tip bucket*	1.31 yd ³ (1.00 m ³)
Multi-purpose bucket*	1.18 yd ³ (0.90 m ³)
Quarry bucket	1.18 yd ³ (0.90 m ³)
Compost bucket	1.37 yd ³ (1.05 m ³)
Front ripper with 4 prongs	
Fork lift attachment with forks: Carrier: 49" (1,240 mm) wide Forks: 44" (1,120 mm) long, 5.5" (140 mm) wide, 2" (50 mm) tall	
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	
Bale spear 2,000 lbs (907 kg) capacity	
Bucket teeth	
Cutting edges for buckets	
*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
Alternative fuels available on request.	

HYDRAULIC SYSTEM

Pressureless open return line	4 th control circuit, proportional
Automatic bucket return positioner with high lift limiter	4 th control circuit, electrical
„High flow“ hydraulic pump, 120 l/min, 175 bar	Open ROPS/FOPS canopy, less cab

CAB

FOPS-skylight guard	Pressurized cabin
Sliding window, right side door	Independent cab heater (diesel) with timer
Working floodlight, rear	Air conditioning
Rotating beacon, yellow	

OTHER OPTIONS

High-speed travel option 22 mph (36 km/h)	Immobilizer (anti-theft device)
Filling with biodegradable hydraulic oil, ester-based, BIO-E-HYD-HEES	Creeper drive
Electrical tank refilling pump	Spare wheel with tire
Pilot-controlled hose-rupture protection 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 with transmission deactivated	Special paint color
Belly guard, heavy duty	SSL quick attach system, manual (less hydraulic QMH system)
Loader lock-out bar	Z-Bar loader linkage (less parallel lift linkage)
Terex Track (gps locator)	
Further attachments available on request	

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Effective Date: 2010, august 1. 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 and sale and 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. © 2010 Terex Corporation.

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