



## TL100 COMPACT WHEEL LOADER



### Brief Specifications\*

Operating Weight	13,230 lbs (6,001 kg)
Net Engine Power	73.5 hp (54.8 kW)
Tipping Load, straight	10,540 lbs (4,780 kg)
Tipping Load, artic.	9,305 lbs (4,221 kg)
Operating Load, artic.	4,653 lbs (2,110 kg)
Bucket Capacities	1.1-2.0 yd <sup>3</sup> (0.9-1.55 m <sup>3</sup> )

\* With 662 lbs. (300 kg) rear axle weights.

- 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.



## Specifications

### Operating Specifications (standard equipment)

Operating weight (SAE J 1197)*	13,230 lbs (6,001 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)
Operating load, fully articulated*	4,653 lbs (2,110 kg)
Total length, bucket on ground	17' 5" (5.31 m)
Total width	6' 4" (1.95 m)
Turning radius at outside bucket edge	14' 6" (4.45 m)
Wheelbase	87" (2.21 m)
Height (top of cab)	9' 1" (2.77 m)

### Engine

Manufacturer, model	Deutz, TD 2011 L04W
Type	4-cylinder diesel engine
Combustion	4-stroke cycle, direct fuel injection, turbocharged
Displacement	219 in <sup>3</sup> (3.6 L)
Net power rating at 2,200 rpm (SAE J 1349)	75 hp (56 kW)
Cooling system	Water

### Electrical System

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

### Power Transmission

Hydrostatic drive is closed circuit and independent from loader hydraulics. Automatic adjustment of drawbar pull and speed. Hydraulic motor power shift providing two speed ranges. Infinitely variable speed control in forward and reverse. 4-wheel drive from reduction gear on rear axle via drive shaft to front axle. Braking 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 with integrated center-mounted drum brake. Limited slip-type differential.	
Rear: Oscillating (with cushioning) planetary final drive axle with integrated reduction gear. Limited slip-type differential. Axle weights, 662 lbs. (300 kg), standard.	
Rear axle oscillation	±12°

### Tires

Standard	405/70 R 20 EM 01 Mitas
Optional tires available, see options section	

\* With 662 lbs. (300 kg) rear axle weights.

### Brakes

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

**Auxiliary brake:** Hydrostatic drive provides dynamic braking.

**Parking brake:** Mechanically operated drum brake at front axle.

### Steering

Articulated, 2 steering cylinders with final position damping on both sides, fully hydraulic through load-sensing priority valve, quick and easy steering even at engine idle speed.

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

### Service Refill Capacities

Fuel tank	29 gal (110 L)
Hydraulic system (including tank)	23 gal (88 L)

### Hydraulic System

Maximum pump capacity	19 gpm (72 Lpm)
Working pressure	3,625 psi (250 bar)

**Control unit:** Proportional hydraulic valve with 3 control circuits and high-speed valve for dumping; single, four-way control lever (multi-function lever) for lift and tilt cylinders with integrated travel direction selector switch and switch for additional control circuit. Float position in control circuit "lowering" and electro-hydraulically operated. Additional control circuit includes quick couplers and continuous operation function provided as standard.

### Loader Frame

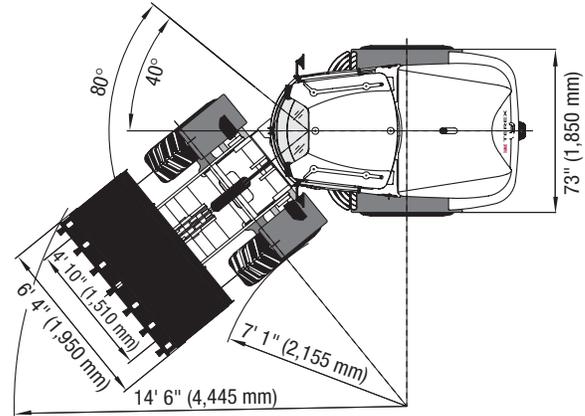
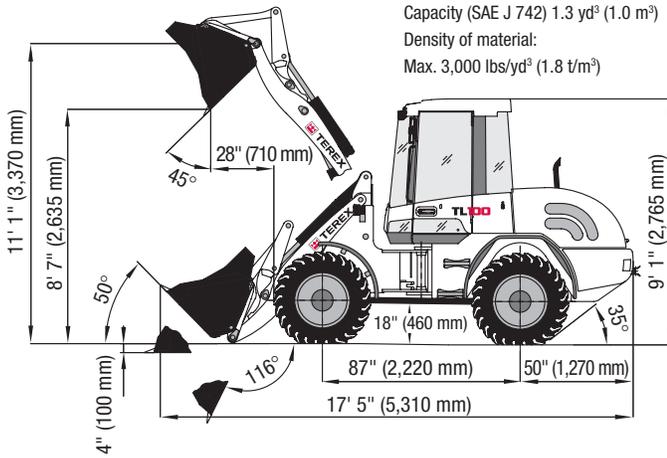
Loader frame with true parallel linkage and integrated hydraulic quick-mount hitch (QMH). Z-bar loader linkage available as an option.

General purpose bucket (SAE J 742)	1.3 yd <sup>3</sup> (1.00 m <sup>3</sup> )
Lift capacity at ground level (SAE J 732)	13,725 lbs (61,051 N)
Breakout force at bucket edge (SAE J 732)	12,375 lbs (55,036 N)

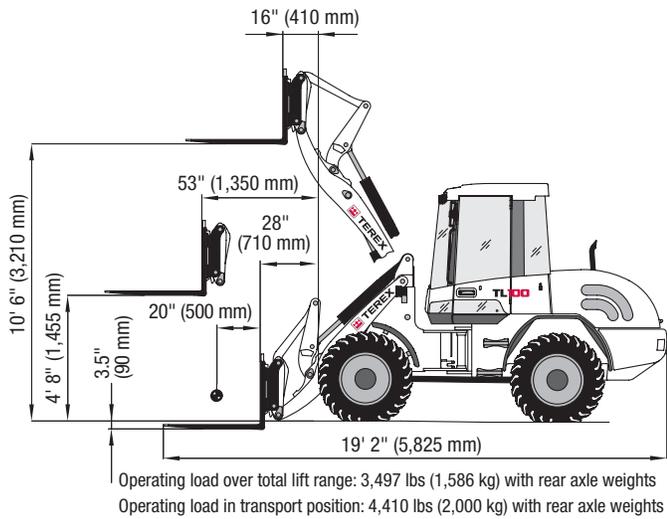
### Fork Lift Attachment (optional)

Operating load (SAE J 1197)*	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	49" (1,240 mm)
Fork tines:	44" (1,120 mm) long 5.5" (140 mm) wide, 2" (50 mm) tall
Stability factor on level and solid ground	2
Load center from fork attachment point	22" (560 mm)

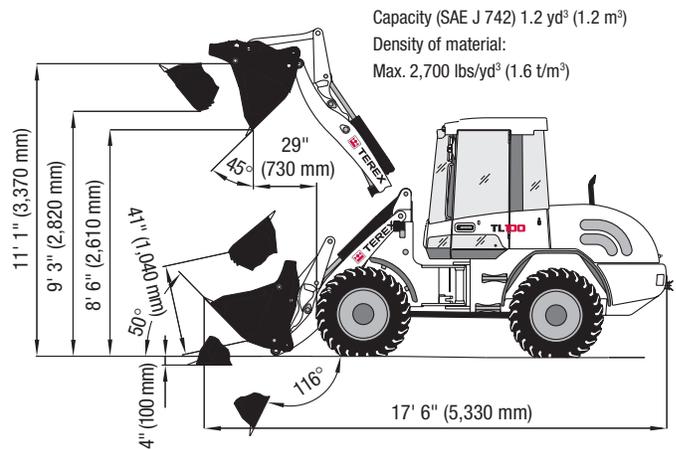
**Dimensions: General Purpose Bucket**



**Dimensions: Fork Lift Attachment**



**Dimensions: Multi-Purpose Bucket**



**Dimensions: Buckets**

	Capacity	Width
General purpose bucket with bolt-on edge	1.3 yd <sup>3</sup> (1.00 m <sup>3</sup> )	77" (1,950 mm)
General purpose bucket with bolt-on edge	1.4 yd <sup>3</sup> (1.10 m <sup>3</sup> )	77" (1,950 mm)
General purpose bucket with teeth	1.3 yd <sup>3</sup> (1.00 m <sup>3</sup> )	77" (1,950 mm)
General purpose bucket with teeth	1.4 yd <sup>3</sup> (1.10 m <sup>3</sup> )	77" (1,950 mm)
Light material bucket with bolt-on edge	1.8 yd <sup>3</sup> (1.38 m <sup>3</sup> )	77" (1,950 mm)
Light material bucket with bolt-on edge	2.0 yd <sup>3</sup> (1.53 m <sup>3</sup> )	87" (2,200 mm)
Multi-purpose bucket with bolt-on edge	1.2 yd <sup>3</sup> (0.92 m <sup>3</sup> )	77" (1,950 mm)
Multi-purpose bucket with teeth	1.2 yd <sup>3</sup> (0.92 m <sup>3</sup> )	77" (1,950 mm)

**Examples of Material Densities**

Earth (top soil)	2,550 lbs/yd <sup>3</sup> / 1,512 kg/m <sup>3</sup>	Clay (dry), clay & gravel (wet), earth with sand & gravel	3,100 lbs/yd <sup>3</sup> / 1,839 kg/m <sup>3</sup>
Earth (dry)	2,650 lbs/yd <sup>3</sup> / 1,572 kg/m <sup>3</sup>	Gravel (sandy), gravel (wet)	3,700 lbs/yd <sup>3</sup> / 2,195 kg/m <sup>3</sup>
Earth (moist), clay with gravel (dry)	3,000 lbs/yd <sup>3</sup> / 1,780 kg/m <sup>3</sup>	Clay (natural bed), clay (wet)	3,500 lbs/yd <sup>3</sup> / 2,077 kg/m <sup>3</sup>
Earth (compacted), gravel (dry)	3,000 lbs/yd <sup>3</sup> / 1,780 kg/m <sup>3</sup>		

## Operator Station

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.

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).

Steering wheel with tilt adjustment

Radio and air conditioning wiring pre-installed.

2 front working floodlights, front

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

## Optional Equipment / Accessories

### Operator Station / Cab

Air conditioning

Air-cushioned operator's seat with orthopedic lumbar support, adjustable armrests and headrest

FOPS-skylight guard

Independent cab heater (diesel) with timer

Open ROPS/FOPS canopy, less cab

Rotating beacon, yellow

Sliding window, right side door

Tilt and height adjustable steering wheel

Working floodlight (rear)

### Loader Attachments

Bale spear 2,000 lbs (907 kg) capacity

Bucket teeth

Crane job with rigid arm

Cutting edges for buckets

Fork lift attachment with forks: Carrier: 49" (1,240 mm) wide  
Tines: 44" (1,120 mm) long, 5.5" (140 mm) wide, 2" (50 mm) tall

Front ripper with 4 prongs

Load hook attachable on forks

## Optional Equipment / Accessories

### Tires

16/70-20 EM 10PR E 91-2 Dunlop

405/70 R20 SPT 9 Dunlop

380/75 R20 XMCL Michelin

405/70 R20 MPT E-70 Continental

### Diesel Engine - optional equipment

Diesel exhaust cleaner

Alternative fuels available on request.

### Other Options

Automatic bucket return positioner with high lift limiter

Auxiliary outlet for hand-held hydraulic hammer

Back-up alarm, activated on demand

Belly guard, heavy duty

Biodegradable hydraulic oil / Ester Base VI 68

Creeper drive

Electric refueling pump

High flow hydraulic pump 19 + 11 gpm (114 + 41.6 Lpm)

High-speed travel option 22 mph (36 km/h)

Immobilizer (anti-theft device)

Loader lock-out bar

Manual throttle with transmission deactivated

Pilot-controlled hose-rupture protection valves for lift and tilt cylinders

Pressureless open return line

Ride control system

Spare wheel with tire

Special paint color

SSL quick attach system, manual (less hydraulic QMH system)

Terex Track (gps locator)

Z-Bar loader linkage (less parallel lift linkage)

Other attachments and tire options available on request.

Effective date: May, 2009. 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. Copyright © 2009 Terex Corporation.

Terex Corporation  
840 Lily Lane, Grand Rapids, MN 55744  
Tel +1 (800) 346-5954 Fax +1 (218) 327-2376  
www.terex.com

