



TL80 COMPACT WHEEL LOADER



Brief Specifications*

Operating Weight	11,464 lbs (5,200 kg)
Net Engine Power	59 hp (44 kW)
Tipping Load, straight	8,576 lbs (3,890 kg)
Tipping Load, artic.	7,562 lbs (3,430 kg)
Operating Load, artic.	3,781 lbs (1,715 kg)
Bucket Capacities	1.0-1.60 yd ³ (0.8-1.20 m ³)

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

- 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 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)*	11,464 lbs (5,200 kg)
Tipping load, straight at full reach*	8,576 lbs (3,890 kg)
Tipping load, articulated at full reach*	7,562 lbs (3,430 kg)
Operating load, fully articulated*	3,781 lbs (1,715 kg)
Total length, bucket on ground	16' 3" (4.96 m)
Total width	6' 1" (1.85 m)
Turning radius at outside bucket edge	13' 7" (4.14 m)
Wheelbase	83" (2.10 m)
Height (top of cab)	8' 9" (2.67 m)

Engine

Manufacturer, model	Deutz D 2011 L04W
Type	4-cylinder diesel engine
Combustion	4-stroke cycle, direct fuel injection
Displacement	219 in ³ (3.6 L)
Net power rating at 2,300 rpm (SAE J 1349)	59 hp (44 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. Forward and reverse selected from joystick. Infinitely variable speed control in forward and reverse. 4-wheel drive from reduction gear on rear axle via drive shaft to front axle.

2 speed ranges:		
Low	0-4 mph (0-7 km/h)	
High	0-13 mph (0-20 km/h)	
Optional high-speed version with 4 speed ranges:		
Low	0-4 mph (0-7 km/h)	0-11 mph (0-18 km/h)
High	0-8 mph (0-13 km/h)	0-22 mph (0-36 km/h)
Drawbar pull	9,395 lbs (4,175 daN)	

Axles

Front: Rigid planetary final drive axle, 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 18 EM Mitas
Optional tires available, see options section	

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

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 with final position 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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Service Refill Capacities

Fuel tank	20 gal (75 L)
Hydraulic system (including tank)	14.5 gal (55 L)

Hydraulic System

Pump capacity (standard)	16.9 gpm (64 Lpm)
Maximum working pressure	3,625 psi (250 bar)
Hi-Flow hydraulics (optional)	16.9 + 13.2 gpm (114 Lpm)
Maximum working pressure	2,538 psi (175 bar)

Control unit: Proportional hydraulic valve with 3 control circuits and high-speed valve for tilting; single, four-way lever (multi-function lever) for lift and dump cylinders with integrated travel direction selector switch. 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 frame with true parallel linkage and integrated hydraulic quick-mount hitch (QMH).

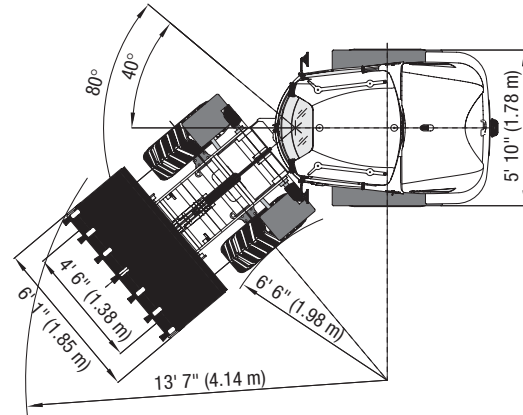
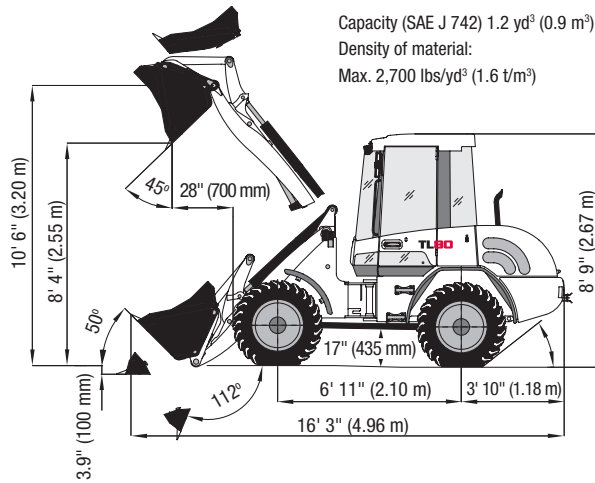
Z-bar loader linkage available as an option.

General purpose bucket (SAE J 742)	1.2 yd ³ (0.90 m ³)
Lift capacity at ground level (SAE J 732)	10,800 lbs (48,000 N)
Breakout force at bucket edge (SAE J 732)	10,128 lbs (45,000 N)

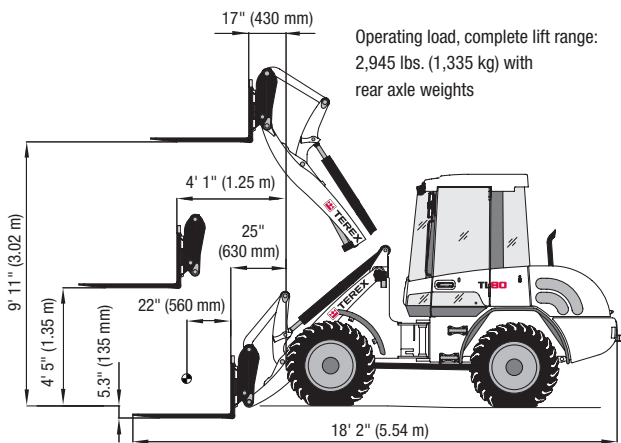
Fork Lift Attachment*

Operating load (SAE J 1197)	2,945 lbs (1,335 kg)
Width of fork carrier	49" (1,240 mm)
Fork tines:	44" (1,120 mm) long 4" (100 mm) wide, 1.8" (45 mm) tall
Stability factor on level and solid ground	2
Load center from fork attachment point	22" (560 mm)

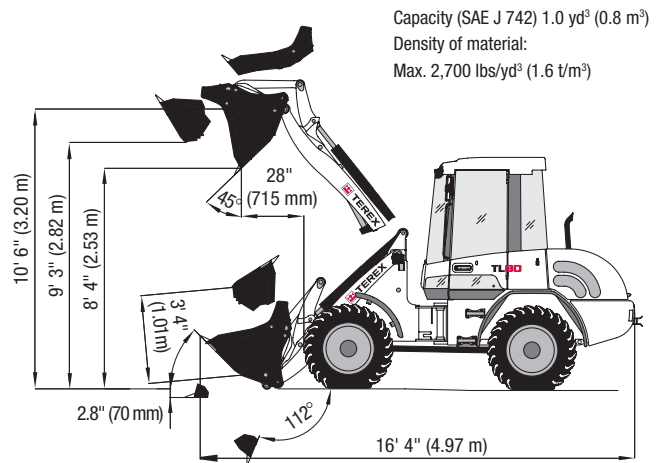
Dimensions: General Purpose Bucket



Dimensions: Fork Lift Attachment



Dimensions: Multi-Purpose Bucket



Dimensions: Buckets

	Capacity	Width
General purpose bucket with bolt-on edge	1.0 yd ³ (0.75 m ³)	73" (1,850 mm)
General purpose bucket with bolt-on edge	1.2 yd ³ (0.92 m ³)	73" (1,850 mm)
General purpose bucket with teeth	1.2 yd ³ (0.92 m ³)	73" (1,850 mm)
High-tip bucket with bolt-on edge	1.0 yd ³ (0.75 m ³)	81" (2,050 mm)
Light material bucket with bolt-on edge	1.60 yd ³ (1.20 m ³)	77" (1,950 mm)
Multi-purpose bucket with bolt-on edge	1.0 yd ³ (0.75 m ³)	73" (1,850 mm)
Multi-purpose bucket with teeth	1.0 yd ³ (0.75 m ³)	73" (1,850 mm)
Side dump bucket with bolt-on edge or teeth	0.85 yd ³ (0.65 m ³)	81" (2,050 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		

Operator Station

Rubber-mounted full-vision steel cab, ROPS (SAE J 1040) and FOPS* (SAE J 231) certified
Cab featuring two doors, level entry to cab, easy to clean cab 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

*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 jib with rigid arm	
Cutting edges for buckets	
Fork lift attachment with forks:	Carrier: 49" (1,240 mm) wide Tines: 44" (1,120 mm) long, 4" (100 mm) wide, 1.8" (45 mm) tall
Front ripper with four prongs	
Load hook attachable on pallet forks	

Optional Equipment / Accessories

Tires

405/70 R 18 SPT 9 Dunlop
340/80 R 20 XMCL Michelin
335/80 R 20 MPT E-70 Conti

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	16.9 + 13.2 gpm (114 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.

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