



TEREX®

TL160

Wheel Loader

OPERATING WEIGHT	20,283 lbs (9,200 kg)
NET ENGINE POWER	102 hp (74.5 kW)
BUCKET CAPACITY	2.0 – 4.0 yd ³ (1.5 – 3.0 m ³)
DRAWBAR PULL	15,300 lbs (6,800 daN)



WHEEL LOADER
TL160

Operating Data, Standard Equipment*

Operating weight (SAE J 1197)	20,283 lbs (9,200 kg)
Tipping load, straight at full reach	15,986 lbs (7,251 kg)
Tipping load, articulated at full reach	14,002 lbs (6,351 kg)
Operating load, fully articulated	7,001 lbs (3,176 kg)
Total length, bucket on ground	21' 11" (6.69 m)
Total width	7' 7" (2.30 m)
Turning radius at outside bucket edge, transport position	17' 8" (5.40 m)
Wheelbase	9' 1" (2.76 m)
Height (top of cab)	9' 11" (3.03 m)

*With rear axle weights.

Specifications

Engine

Manufacturer, model	Perkins 1104C-44T
Type	4-cylinder turbocharged diesel engine, Com II/EPA II
Combustion	4-stroke cycle, direct fuel injection
Displacement	268 in (4.4 L)
Net power rating at 2,200 rpm (to SAE J 1349)	102 hp (74.5 kW)
Cooling system	Water

Electrical System

Nominal voltage	24 V
Battery	2 x 12 V / 74 Ah / 660 A

Power Transmission

Hydrostatic drive, 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 forward and reverse. 4-wheel drive from reduction gear on rear axle via drive 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 / 0-12.4 mph (0-6 / 0-20 km/h)
"High"	0-7.5 / 0-24.8 mph (0-12 / 0-40 km/h)
Drawbar pull	15,300 lbs (6,800 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.

Oscillation	±12°
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Tires

Standard	15.5 R 25 EM 60 12 PR
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Brakes

Service brake: Hydraulically actuated two-circuit power brake system and oil-immersed multi-disc brakes in both axles, acting on all 4 wheels via 4-wheel-drive.

Auxiliary brake: Hydrostatic drive provides dynamic braking.

Parking brake: Spring-loaded brake acting on multi-disc brakes on both axle shafts.

Steering

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

Total steering angle	80°
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Fluid Capacities

Fuel tank	37 gal (140 L)
Hydraulic system (includes tank)	25 gal (93 L)

Hydraulic System

Pump capacity	26 gpm (99 Lpm)
Maximum working pressure	4,061 psi (280 bar)

Control unit: Proportional hydraulic valve with 3 control circuits. Simultaneous, independent control of all movements. Single, four-way control lever (multi-function lever) for 1 tilt and 2 lift cylinders with integrated travel direction selector switch and switch for additional control circuit. Float position in control circuit "lowering," electro-hydraulically operated. Additional control circuit electrically operated with preselection of flow rate an impulse/continuous operation.

Loader Frame

Loader frame with modified parallel lift linkage. Direct mount (pin-on) buckets and attachments. Optional hydraulic quick-mount hitch (QMH) available.

General purpose bucket (ISO 7546)	2.1 yd ³ (1.6 m ³)
Lift capacity at ground level (ISO 8313)	19,221 lbs (85,500 N)
Breakout force at bucket edge (ISO 8313)	19,334 lbs (86,000 N)

Fork Lift Attachment

Payload over the total lift and steering range	7,055 lbs (3,200 kg)*
Payload in transport position, approx. 12" (300 mm) above ground level, total steering range	7,716 lbs (3,500 kg)
Width of fork carrier	6' 3" (1.90 m)
Length pallet forks (5.5" x 2.0" / 140 x 50 mm)	3' 8" (1.12 m)
Stability factor on level and solid ground	1.25
Payload determined in compliance with DIN 24094 and ISO 8313.	

Operator Station

Rubber-mounted full-vision steel cab, ROPS (to ISO 3471) and FOPS (SAE J31) certified.

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

Operator'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 (fresh air or recycled air) and windshield defroster, front and rear.

Automatic climate control.

Tilt adjustable steering wheel.

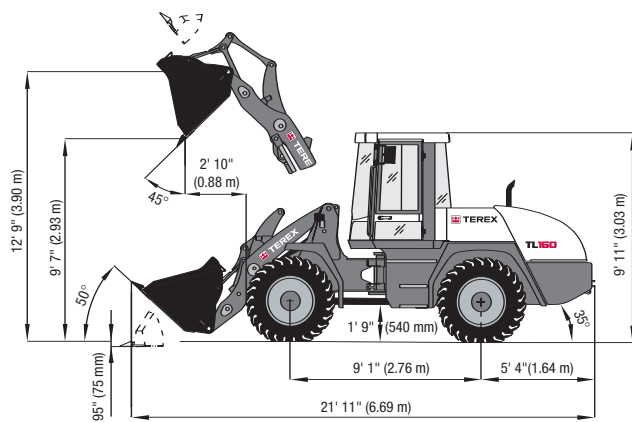
Wiring for radio pre-installed.

2 front and 2 rear working floodlights.

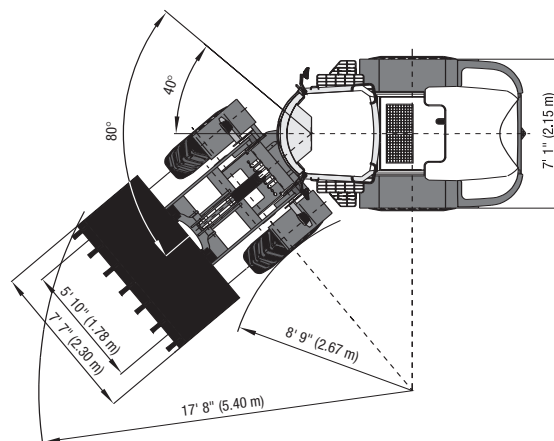
Sound level values in compliance with EC-directives.

*With rear axle weights 1,100 lbs. (500 kg)

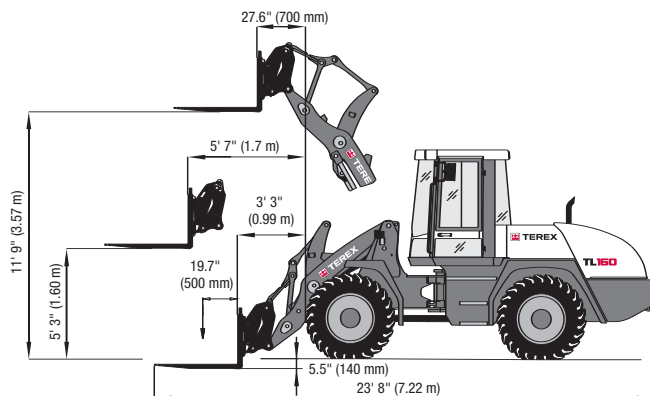
Dimensions: General Purpose Bucket



Rated capacity in compliance with SAE J 742: 2.0 yd³ (1.60 m³)
Maximum density of material: 2,700 lbs/yd³ (1.8 t/m³)

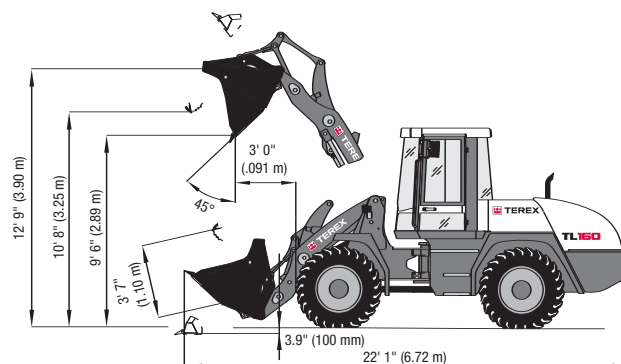


Fork Lift Attachment



Payload over total lift range: 7,055 lbs (3,200 kg)
Payload in transport position: 9,920 lbs (4,500 kg)

Multi-Purpose Bucket



Rated capacity in compliance with SAE J 742: 1.6 yd³ (1.25 m³)
Maximum density of material: 2,400 lbs/yd³ (1.6 t/m³)

Bucket Type

	Capacity	Width	Product Code
General purpose bucket with bolt-on edge, Direct Mount	2.00 yd ³ (1.53 m ³)	96" (2,450 mm)	18TL160B20GPPW1
General purpose bucket with bolt-on edge, QMH Mount	2.00 yd ³ (1.53 m ³)	96" (2,450 mm)	18TL160B20GPCW1
Light material bucket with bolt-on edge, Direct Mount	3.50 yd ³ (2.68 m ³)	96" (2,450 mm)	18TL160B35LMPW1
Light material bucket with bolt-on edge, QMH Mount	3.50 yd ³ (2.68 m ³)	96" (2,450 mm)	18TL160B35LMCW1
Multi-purpose bucket with bolt-on edge, Direct Mount	1.50 yd ³ (1.15 m ³)	96" (2,450 mm)	18TL160B15MPPW1
Multi-purpose bucket with bolt-on edge, QMH Mount	1.50 yd ³ (1.15 m ³)	96" (2,450 mm)	18TL160B15MPCW1

*QMH = Quick-Mount Hitch

Examples of Material Densities

Earth (top soil)	2,550 lbs/yd ³	Clay (dry), Clay & Gravel (wet), Earth with Sand & Gravel	3,100 lbs/yd ³
Earth (dry)	2,650 lbs/yd ³	Gravel (sandy), Gravel (wet)	3,700 lbs/yd ³
Earth (moist), Clay with Gravel (dry)	3,000 lbs/yd ³	Clay (natural bed), Clay (wet)	3,500 lbs/yd ³
Earth (compacted), Gravel (dry)	3,000 lbs/yd ³		

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Optional Attachments / Accessories

Tires

16/70-20 EM 10 PR E 91-2 Dunlop
405/70 R 20 XZSL, Michelin
405/70 R 20 SPT 9 Dunlop
405/70 R 20 MPT E-70 Continental

Front Attachments

General purpose bucket*	2.1 yd ³ (1.6 m ³)
Earth bucket*	2.2 yd ³ (1.7 m ³)
Light-material bucket*	2.9 yd ³ (2.2 m ³)
Light-material bucket*	3.4 yd ³ (2.6 m ³)
Multi-purpose bucket*	1.6 yd ³ (1.25 m ³)
High-tip bucket	2.0 yd ³ (1.5 m ³)
Fork lift attachment with forks	
Load hook attachable on pallet forks	
Load hook integrated in quick-attach system	
Sweeper, snow blade	

Quick-Mount Hitch (QMH)

QMH-Hydraulically actuated

Operator's Stand

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

Diesel Engine - Optional Equipment

Diesel exhaust cleaner
Catalyst

Cab - Optional Equipment

Right-hand door with sliding window
Yellow beacon
Independent diesel heating with timer

Further Options

High-speed version	40 km/h
Filling with biodegradable hydraulic oil / Ester Base BIO-E-HYD-HEES	
Ride control system	
Outlet for hydraulic hand-held hammer	
Special creep versions available on request	
Immobilizer (anti-theft device)	
Quick couplers (flat face) for 3rd control circuit on lift frame	

Further attachments available on request.

*Optional bolt-on cutting edge



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