



**TEREX®**

**TL65**

# WHEEL LOADER



## Specifications

Operating weight	9,040 lbs (4,100 kg)
Engine power	49 HP (36.4 kW)
Bucket capacity	0.65-1.3 yd <sup>3</sup> (0.5-1.0 m <sup>3</sup> )
Tipping load, straight	6,560 lbs (2,975 kg)
Tipping load, articulated	5,790 lbs (2,625 kg)
Operating load, articulated	2,895 lbs (1,313 kg)

## Features

- ▶ Excellent all-round visibility
- ▶ Steel cab with perfectly designed operator's stand
- ▶ Easy service accessibility for minimized downtime
- ▶ Ergonomically designed controls for fatigue-free operation
- ▶ Self-locking differentials provide optimum traction
- ▶ Loader frame with proven parallel kinematics
- ▶ Fuel-efficient Deutz diesel engine
- ▶ Hydrostatic drive, independent from loader hydraulics.

**WORKS FOR YOU.™**

# SPECIFICATIONS

## OPERATING DATA, STANDARD EQUIPMENT

Operating weight (SAE J 1197)	9,040 lbs (4,100 kg)
Tipping load, straight at full reach	6,560 lbs (2,975 kg).
Tipping load, articulated at full reach	5,788 lbs (2,625 kg).
Operating load, fully articulated	2,984 lbs (1,313 kg)
Total length, bucket on ground	15' 8" (4,780 mm)
Total width	5' 7" (1,700 mm)
Turning radius at outside bucket edge	12' 8" (3,870 mm)
Wheelbase	6' 5" (1,950 mm)
Total height (top of cab)	8' 7" (2,610 mm)

## ENGINE

Manufacturer, model	Deutz, D 2011 L04
Type	4-cylinder diesel engine, EC phase III A, EPA Interim Tier 4
Combustion	4-stroke cycle, direct fuel injection
Displacement	189 in <sup>3</sup> (3,100 cm <sup>3</sup> )
Net power rating at 2300 rpm (SAE J1349)	49 hp (36.4 kW)
Cooling system	External oil cooling

## ELECTRICAL SYSTEM

Nominal voltage	12 V
Battery	12 V / 74 Ah / 400 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"	0-4 mph (0-7 kph)
"High"	0-13 mph (0-20 kph)

4 speed ranges (high-speed version optional):

"Low"	0-4 / 0-11 mph (0-6.5 / 0-18 kph)
"High"	0-9 / 0-22 mph (0-14 / 0-36 kph)

Drawbar pull	6,800 lbs (3,002 daN)
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## AXLES

Front: Planetary drive axle, rigidly mounted. Limited slip-type differential 45%.

Rear: Oscillating (with cushioning) planetary final drive axle, with integrated reduction gear. Limited slip-type differential 45%. Axle weights, 441 lbs (200 kg), standard.

Angle of oscillation	±12°
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## TIRES

Standard	365/70 R 18 SPT 9 Dunlop
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Optional tires available, see options section

## BRAKES

Service brake:	Hydraulically actuated center-mounted drum brake, acting on all 4 wheels via 4-wheel drive.
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Auxiliary brake:	Hydrostatic drive provides dynamic braking.
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Parking brake:	Mechanically actuated center-mounted drum brake on front axle.
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## STEERING

Articulated, 1 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	20 gal (75 l)
Hydraulic system (incl. tank)	15 gal (55 l)



## HYDRAULIC SYSTEM

Pump capacity	max.11 gpm (41 l/min)
Working pressure	3,625 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 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 (SAE J 742)	0.85 yd <sup>3</sup> (0.65 m <sup>3</sup> )
Lift capacity at ground level (SAE J 732)	7,420 lbf (33,000 N)
Breakout force at bucket edge (SAE J 732)	8,320 lbf (37,000 N)

## FORK LIFT ATTACHMENT

Operating load (SAE J 1197) over the total lift and steering range	2,350 lbs (1,066* kg)
Operating load in transport position, above ground level, total steering range	4,190 lbs(1,900* kg)
Width of fork carrier	4' 1" (1,240 mm)
Length fork tines 4" x 1.6" (100 mm x 40 mm)	35" (900 mm)
Stability factor	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 featuring two doors, electric windshield intermittent wipers and washer (front and rear), tinted panoramic safety glass, sliding window on left-hand side.

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

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

Air conditioning and radio pre-installation.

Tilt adjustable steering wheel.

2 working floodlights, front.

Sound level values in compliance with EC-directives.

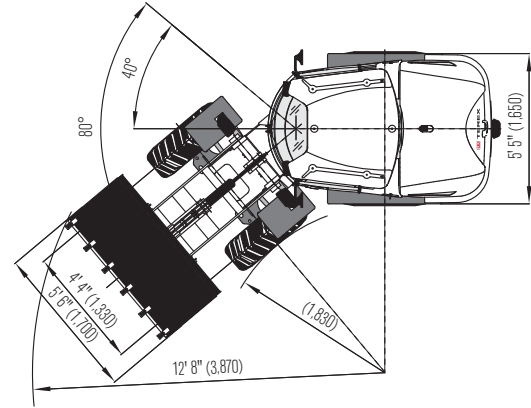
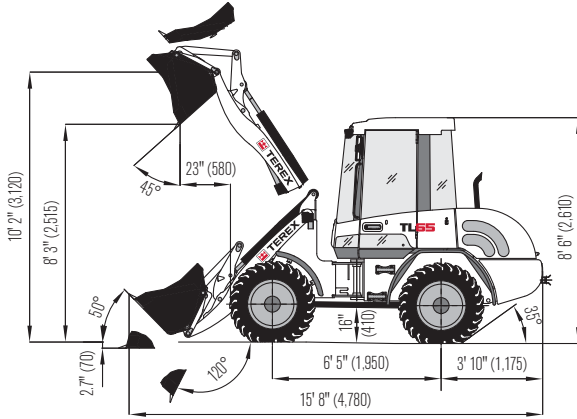
\*With rear axle weights

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

# DIMENSIONS GENERAL-PURPOSE BUCKET

**TL65**

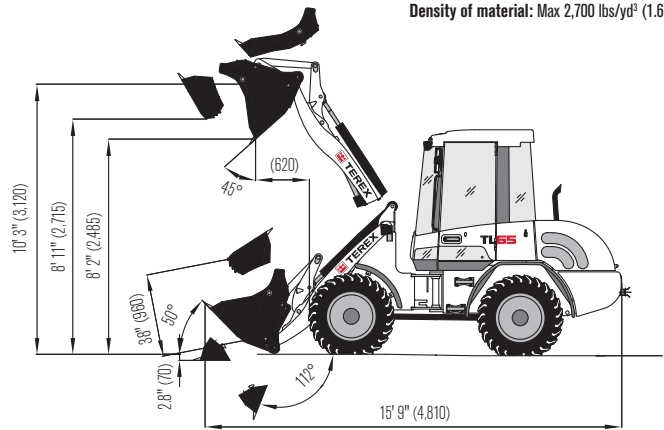
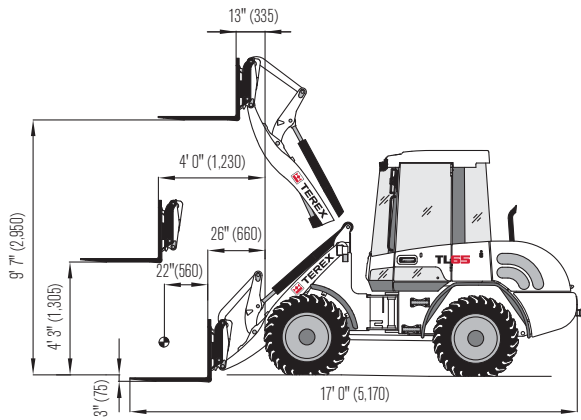
Capacity (SAE J 742): .85 yd<sup>3</sup> (0.65 m<sup>3</sup>)  
 Density of material: Max 3,000 lbs/yd<sup>3</sup> (1.8 t/m<sup>3</sup>)



## FORK LIFT ATTACHMENT

## MULTI-PURPOSE BUCKET

Capacity (SAE J 742): 0.78 yd<sup>3</sup> (0.60 m<sup>3</sup>)  
 Density of material: Max 2,700 lbs/yd<sup>3</sup> (1.6 t/m<sup>3</sup>)



Operating load over total lift range: 2,355 lbs (1,066 kg)\*  
 Operating load in transport position: 4,190 lbs (1,900 kg)\*  
\*With rear axle weights

## BUCKET TYPE

	Capacity	Density	Width	Dump height
General-purpose bucket, quick-attach system (QAS), teeth	.85 yd <sup>3</sup> (0.65 m <sup>3</sup> )	3,000 lbs/yd <sup>3</sup> (1.8 t/m <sup>3</sup> )	5' 7" (1,700 mm)	8' 3" (2,515 mm)
General-purpose bucket, QAS, bolt-on cutting edge	.85 yd <sup>3</sup> (0.65 m <sup>3</sup> )	3,000 lbs/yd <sup>3</sup> (1.8 t/m <sup>3</sup> )	5' 7" (1,700 mm)	8' 2" (2,480 mm)
Earth bucket, QAS, teeth	.94 yd <sup>3</sup> (0.72 m <sup>3</sup> )	2,700 lbs/yd <sup>3</sup> (1.6 t/m <sup>3</sup> )	5' 7" (1,700 mm)	8' 1" (2,455 mm)
Earth bucket, QAS, bolt-on cutting edge	.94 yd <sup>3</sup> (0.72 m <sup>3</sup> )	2,700 lbs/yd <sup>3</sup> (1.6 t/m <sup>3</sup> )	5' 7" (1,700 mm)	7' 11" (2,420 mm)
Light-material bucket, QAS, bolt-on cutting edge	1.05 yd <sup>3</sup> (0.80 m <sup>3</sup> )	2,000 lbs/yd <sup>3</sup> (1.2 t/m <sup>3</sup> )	5' 7" (1,700 mm)	7' 11" (2,420 mm)
Light-material bucket, QAS, bolt-on cutting edge	1.31 yd <sup>3</sup> (1.00 m <sup>3</sup> )	1,333 lbs/yd <sup>3</sup> (0.8 t/m <sup>3</sup> )	6' 1" (1,850 mm)	7' 10" (2,380 mm)
Multi-purpose bucket, QAS	.79 yd <sup>3</sup> (0.60 m <sup>3</sup> )	2,700 lbs/yd <sup>3</sup> (1.6 t/m <sup>3</sup> )	5' 7" (1,700 mm)	8' 2" (2,485 mm)
Side-dump bucket, QAS, without teeth	.65 yd <sup>3</sup> (0.50 m <sup>3</sup> )	3,000 lbs/yd <sup>3</sup> (1.8 t/m <sup>3</sup> )	6' 9" (1,750 mm)	8' 2" (2,480 mm)
High-tip bucket, QAS, without teeth	.85 yd <sup>3</sup> (0.65 m <sup>3</sup> )	2,000 lbs/yd <sup>3</sup> (1.2 t/m <sup>3</sup> )	6' 1" (1,850 mm)	11' 1" (3,390 mm)
Quarry bucket, QAS	.72 yd <sup>3</sup> (0.55 m <sup>3</sup> )	3,000 lbs/yd <sup>3</sup> (1.8 t/m <sup>3</sup> )	6' 1" (1,850 mm)	8' 2" (2,500 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> )		

## OPTIONAL EQUIPMENT

### TIRES

340/80 R 18 XCML Michelin

365/70 R 18 MPT 70 E Conti

365/70 R 18 EM 01 Mitas

Non-standard tires available on request

### FRONT ATTACHMENTS

General-purpose bucket*	.85 yd <sup>3</sup> (0.65 m <sup>3</sup> )
Earth bucket*	.94 yd <sup>3</sup> (0.72 m <sup>3</sup> )
Light-material bucket*	1.05 yd <sup>3</sup> (0.80 m <sup>3</sup> )
Light-material bucket*	1.31 yd <sup>3</sup> (1.00 m <sup>3</sup> )
High-tip bucket*	.85 yd <sup>3</sup> (0.65 m <sup>3</sup> )
Side-dump bucket	.65 yd <sup>3</sup> (0.50 m <sup>3</sup> )
Multi-purpose bucket*	.79 yd <sup>3</sup> (0.60 m <sup>3</sup> )
Quarry bucket	.72 yd <sup>3</sup> (0.55 m <sup>3</sup> )

Front ripper with 3 prongs

Fork lift attachment with forks: Carrier: 49" (1,240 mm) wide

Fork tines: 35" (900 mm) long, 4" (100 mm) wide, 1.6" (40 mm) tall

Fork tines: 44" (1,120 mm) long, 4" (100 mm) wide, 1.8" (45 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	4th control circuit, proportional
Hydraulic outlet for front hand-held hammer	4th control circuit, electrical

### CAB

FOPS-skylight guard	Pressurized cab
Sliding window, right side door	Independent diesel heating with timer
Working floodlight, rear	Air conditioning
Rotating beacon, yellow	Height- and tilt-adjustable steering wheel
Open ROPS/FOPS canopy, less cab	

### OTHER OPTIONAL EQUIPMENT

High-speed travel option 22.4 mph (36 kph)	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 <sup>rd</sup> 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	Terex Track (gps locator)

Further optional equipment available on request

[www.terex.com](http://www.terex.com)

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