



<b>OPERATING WEIGHT</b>	<b>4.5 t</b>
<b>ENGINE OUTPUT</b>	<b>44 kW (60 HP)</b>
<b>BUCKET CAPACITY</b>	<b>0.8-1.2 m<sup>3</sup></b>
<b>TIPPING LOAD</b>	<b>3.3 t</b>
<b>TOTAL HEIGHT (TOP OF CAB)</b>	<b>2.48 m</b>



## Wheeled Loader TL80AS

### Technical data

Engine	
Manufacturer, model	Deutz, D 2011 L04 W
Type	4-cylinder diesel engine, EC phase III A, COM (2008)
Combustion	4-stroke cycle, direct fuel injection
Displacement	3,620 cm <sup>3</sup>
Net power rating at 2,200 rpm (ISO 9249)	44 kW (60 hp)
Cooling system	Water
Electrical system	
Nominal voltage	12 V
Lighting system in compliance with German and European standards.	
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.	
<b>2 speed ranges:</b>	
"Low"	0-7 km/h
"High"	0-20 km/h
Axles	
<b>Front:</b> Rigidly mounted planetary drive axle with self-locking differential and integrated center-mounted drum brake.	
<b>Rear:</b> Oscillating (with cushioning) planetary final drive axle, with integrated reduction gear. Limited slip-type differential.	
Oscillation	± 12°
Tires	
Standard	12.5-20 MPT TL 10PR MPT-04
Option	340/80 R 20 XMCL Michelin
Option	405/70 R 18 EM01 Mitas
Non-standard tires available on request	
Brakes	
<b>Service brake:</b> Hydraulically actuated center-mounted drum brake, acting on all 4 wheels via 4-wheel drive.	
<b>Auxiliary brake:</b> Hydrostatic drive provides dynamic braking.	
<b>Parking brake:</b> Mechanically actuated center-mounted drum brake on front axle.	
Steering	
All-Wheel-Steering, the oil flow is being provided through a load-sensing priority valve, quick and easy steering even at engine idle-running speed.	
Angle of steering lock	2 x 40°
Fluid Capacities	
Fuel tank	70 l
Hydraulic system (incl. tank)	55 l

### Operating data, standard equipment

Operating weight (ISO 6016)	4,500 kg
Tipping load (ISO 14397-1)	3,300 kg
Total length, bucket on ground	5,045 mm
Total width	1,850 mm
Turning radius at outside bucket edge	3,780 mm
Turning radius at outside of tire edge	2,575 mm
Wheelbase	1,995 mm
Total height (top of cab)	2,480 mm

### Hydraulic system

Max. pump capacity	64 l/min
Max. working pressure	250 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 1 lift cylinder with integrated travel direction selector switch and switch for additional control circuit. Float position in control circuit "Lowering", mechanically operated. Additional control circuit including quick couplers and continuous operation function provided as option.

### Loader frame

Loader installation featuring true parallel linkage and integrated mechanical (optionally hydraulic) quick-attach system.

General-purpose bucket (ISO 7546)	0.80 m <sup>3</sup>
Lift capacity at ground level (ISO 14397-2)	48,000 N
Breakout force at bucket edge (ISO 14397-2)	45,000 N

### Fork Lift Attachment

Payload over the total lift and steering range	2100 (2300*) kg
Payload in transport position, approx. 300 mm above ground level, total steering range	2500* kg
Width of fork carrier	1,240 mm
Length pallet forks (100x45 mm)	1,120 mm
Stability factor	1,25

Payload determined on level ground = 80 % of tipping load

### Cab

Rubber-mounted full-vision steel cab, ROPS (acc. to ISO 3471) and FOPS\*\* (acc. to ISO 3449) certified.

Cab featuring one door, electric windshield intermittent wipers and washer (front and rear), tinted panoramic safety glass. Right-hand side window can be opened 180 degs., arrestable ventilation positioning in stages.

Driver'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 (choice fresh air/recirculating air) and windshield defroster, front and rear. Heated rear window.

Air conditioning and radio pre-installation.

2 front and 2 rear working floodlights (option).

Sound level values in compliance with EC-directives.

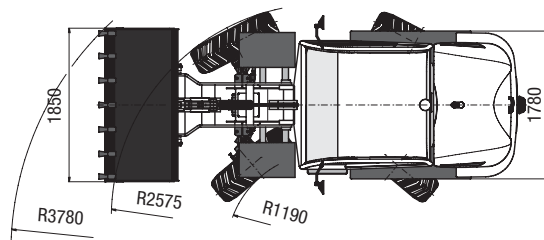
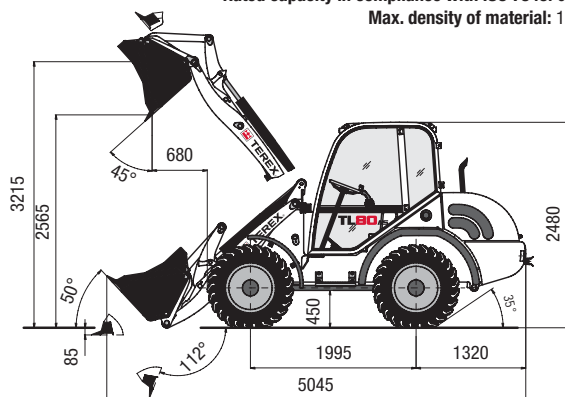
\*With rear axle weights

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

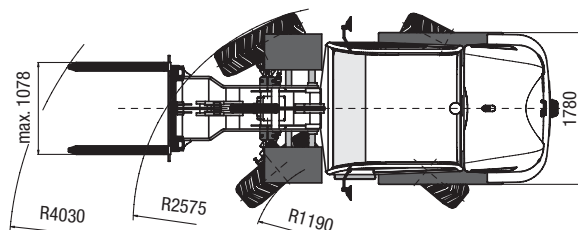
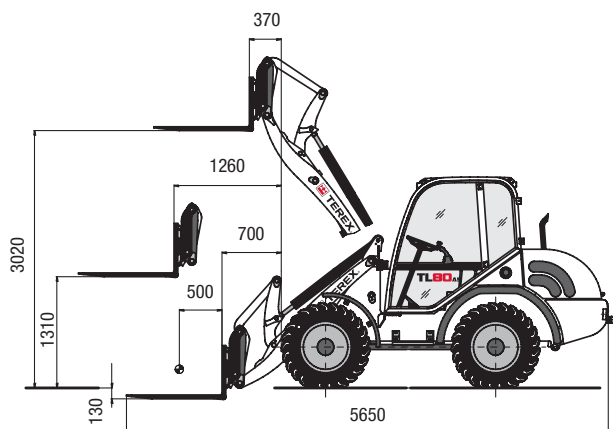
# Wheeled Loader TL80AS

## Dimensions: General-Purpose Bucket

Rated capacity in compliance with ISO 7546: 0.80 m<sup>3</sup>  
Max. density of material: 1.8 t/m<sup>3</sup>



## Fork Lift Attachment



Payload over total lift range: 2,100 (2,300\*) kg

Payload, transport position: 2,500\* kg

\*With rear axle weights

## Bucket Type

	Capacity	Density	Width	Dump height
General-purpose bucket, QAS, teeth	0.80 m <sup>3</sup>	1.8 t/m <sup>3</sup>	1,850 mm	2,515 mm
General-purpose bucket, QAS, bolt-on cutting edge	0.80 m <sup>3</sup>	1.8 t/m <sup>3</sup>	1,850 mm	2,525 mm
Earth bucket, QAS, teeth	0.90 m <sup>3</sup>	1.6 t/m <sup>3</sup>	1,850 mm	2,500 mm
Earth bucket, QAS, bolt-on cutting edge	0.90 m <sup>3</sup>	1.6 t/m <sup>3</sup>	1,850 mm	2,460 mm
Light-material bucket, QAS, bolt-on cutting edge	1.00 m <sup>3</sup>	1.2 t/m <sup>3</sup>	1,850 mm	2,450 mm
Light-material bucket, QAS, bolt-on cutting edge	1.20 m <sup>3</sup>	0.8 t/m <sup>3</sup>	1,950 mm	2,410 mm
Multi-purpose bucket, QAS	0.75 m <sup>3</sup>	1.6 t/m <sup>3</sup>	1,850 mm	2,540 mm
Side-dump bucket, (QAS), without teeth	0.70 m <sup>3</sup>	1.8 t/m <sup>3</sup>	1,850 mm	2,465 mm
High-tip bucket, (QAS), without teeth	0.70 m <sup>3</sup>	1.2 t/m <sup>3</sup>	1,850 mm	3,555 mm
Quarry bucket, QAS	0.70 m <sup>3</sup>	1.8 t/m <sup>3</sup>	1,850 mm	2,545 mm
<b>Examples of Material Densities</b>				
Granite, Basalt, Sand (damp), Gravel (damp), Slate:	1.8 - 2.2 t/m <sup>3</sup>	Topsoil, Clay, Mineral coal:	1.1 - 1.6 t/m <sup>3</sup>	
Sandstone, Gypsum, Limestone, Soil (damp), Sand (dry), Gravel (dry):	1.5 - 1.8 t/m <sup>3</sup>	Wood chips (dry), Compost, Coke:	0.2 - 1.0 t/m <sup>3</sup>	



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Ref.-No.: 5777432012