



OPERATING WEIGHT	4.5 t
ENGINE OUTPUT	44 kW (60 hp)
BUCKET CAPACITIES	0.8-1.2 m³
TIPPING LOAD, STRAIGHT	3.3 t
TOTAL HEIGHT (TOP OF CAB)	2.48 m



Wheeled Loader TL80AS

Technical data

Engine	
Manufacturer, model	Deutz, F4M 2011
Type	4-cylinder diesel engine, COM II/EPA II
Combustion	4-stroke cycle, direct fuel injection
Displacement	3100 cm ³
Net power rating at 2400 rpm (ISO 9249)	44 kW (60 hp)
Cooling system	external oil cooling
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.	
2 speed ranges:	
"Low"	0-7 km/h
"High"	0-20 km/h
Axles	
Front: Rigidly mounted planetary drive axle with self-locking differential and integrated center-mounted drum brake.	
Rear: 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	
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 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)	4500 kg
Tipping load, straight, arms horizontal (ISO 14397-1)	3300 kg
Total length, bucket on ground	5045 mm
Total width	1850 mm
Turning radius at outside bucket edge	3780 mm
Turning radius at outside of tire edge	2575 mm
Wheelbase	1995 mm
Total height (top of cab)	2480 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 ³
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	1240 mm
Length pallet forks (100x45 mm)	1120 mm
Stability factor	1.25
Payload determined on level ground = 80 % of tipping load	

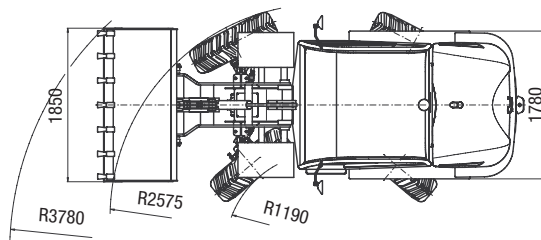
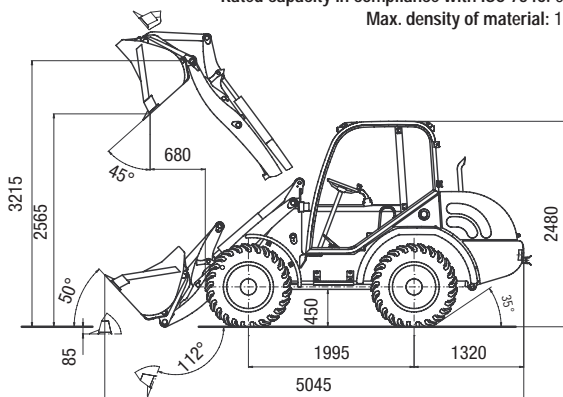
Cab

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., also arrested 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)	

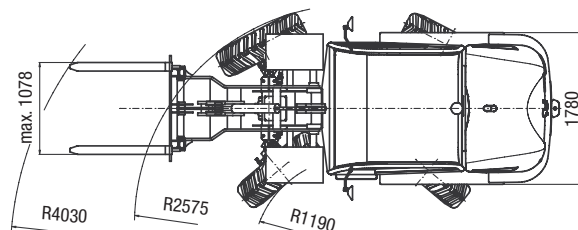
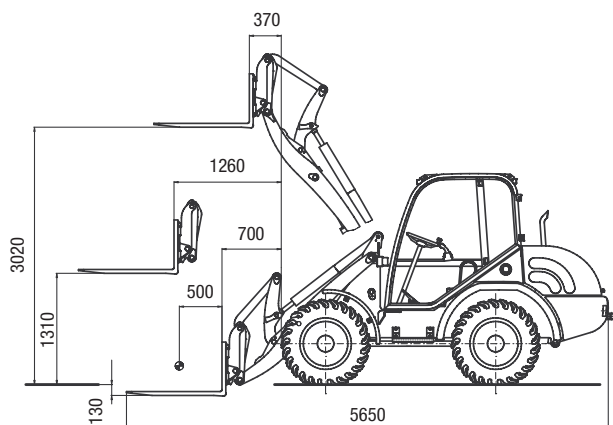
Wheeled Loader TL80AS

Dimensions: General-Purpose Bucket

Rated capacity in compliance with ISO 7546: 0,80 m³
Max. density of material: 1.8 t/m³



Fork Lift Attachment



Payload over total lift range: 2100 (2300*) kg

Payload, transport position: 2500* kg

*With rear axle weights

Bucket Type

	Capacity	Density	Width	Dump height
General-purpose bucket, QAS, teeth	0,80 m ³	1,8 t/m ³	1850 mm	2515 mm
General-purpose bucket, QAS, bolt-on cutting edge	0,80 m ³	1,8 t/m ³	1850 mm	2525 mm
Earth bucket, QAS, teeth	0,90 m ³	1,6 t/m ³	1850 mm	2500 mm
Earth bucket, QAS, bolt-on cutting edge	0,90 m ³	1,6 t/m ³	1850 mm	2460 mm
Light-material bucket, QAS, bolt-on cutting edge	1,00 m ³	1,2 t/m ³	1850 mm	2450 mm
Light-material bucket, QAS, bolt-on cutting edge	1,20 m ³	0,8 t/m ³	1950 mm	2410 mm
Multi-purpose bucket, QAS	0,75 m ³	1,6 t/m ³	1850 mm	2540 mm
Side-dump bucket, (QAS), without teeth	0,70 m ³	1,8 t/m ³	1850 mm	2465 mm
High-tip bucket, (QAS), without teeth	0,70 m ³	1,2 t/m ³	1850 mm	3555 mm
Quarry bucket, QAS	0,70 m ³	1,8 t/m ³	1850 mm	2545 mm
Examples of Material Densities				
Granite, Basalt, Sand (damp), Gravel (damp), Slate:	1,8 - 2,2 t/m ³	Topsoil, Clay, Mineral coal:	1,1 - 1,6 t/m ³	
Sandstone, Gypsum, Limestone, Soil (damp), Sand (dry), Gravel (dry):	1,5 - 1,8 t/m ³	Wood chips (dry), Compost, Coke:	0,2 - 1,0 t/m ³	



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