



SCL 515 Compact Loader

Power and state-of-the-art engineering

Operating weight 3.35 t
Engine power 37 kW (50 HP)
Bucket capacity 0.50 m³



SCL 515 – The machine illustrated may include non-standard equipment



Technical data

Engine

Manufacturer	Deutz
Type	4-cylinder, diesel engine (EPA)
Combustion	4-stroke cycle, direct fuel injection
Displacement	2732 cm ³
Power rating acc. to ISO 9249 (DIN 70020) at 2300 rpm	37 kW/50 HP
Cooling system	Air/oil

Electrical system

Nominal voltage	12 V
Battery	12 V / 72 Ah / 420 A
Generator	12 V / 60 A
Starter	12 V / 2.2 kW (3.0 HP)

Power transmission

Hydrostatic drive with perfected driving automatics. Automatic adjustment of drawbar pull and speed. Infinitely variable speed control forward and reverse. 4-wheel drive from reduction gear on rear axle via cardan shaft to front axle.

2 speed ranges:

"Low"	0-6.0 km/h
"High"	0-20 km/h

Axles

Front: Rigid planetary final drive axle, self-lock differential.
Rear: Oscillating planetary final drive axle, with integrated reduction gear.

Oscillation ± 10 deg.

Tires

Standard 12-16.5 EM 14

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 on front axle.

Steering

Combination: standard & joystick steering. Proportionally acting articulated steering, fully hydraulic via Load-Sensing priority valve, quick and easy steering even at engine idle-running speed.

Total steering angle 80 deg.

Hydraulic system

Max. pump capacity 36.8 l/min
Operating pressure 250 bar
Control unit: Hydraulic valve with 2 control circuits; single, four-way control lever (multi-function lever) for lift and tilt cylinders with integrated travel direction switch. Float position in control circuit "Lowering", electro-hydraulically operated.

Optional additional control circuit:

Pump capacity	36.8 l/min
Operating pressure	250 bar
or	
Pump capacity	94.3 l/min
Operating pressure	175 bar

Loader frame

Loader-arm with Z-bar linkage and integrated mechanical quick-attach system.

General-purpose bucket acc. to ISO 7546	0.5 m ³
Lift capacity at ground level acc. to ISO 8313	24,260 N
Ripping force at bucket edge acc. to ISO 8313	39,820 N

Operating data, standard equipment

Operating weight acc. to ISO 6016	3350 kg
Tipping load, straight acc. to ISO 8313	2035 kg
Tipping load, articulated acc. to ISO 8313	1805 kg
Total length, bucket on ground	4320 mm
Total width	1700 mm
Turning radius at outside bucket edge, transport position	3510 mm
Wheel base	1680 mm
Total height (12-16.5 tires)	2030 mm
Total height (10.0/75-15.3 tires)	2000 mm
Total height (10-16.5 tires)	1990 mm

Fork lift attachment

Payload over the total lift and steering range	1100 (1200*) kg
Payload in transport position, approx. 300 mm above ground level, total steering range	1300 (1400*) kg
Width of fork carrier	1240 mm
Length pallet forks (100 x 40 mm)	900 mm
Stability factor on level and solid ground	1.25
Load center from fork attachment point	500 mm
Payload determined acc. to DIN 24094 and ISO 8313 respectively.	

Operator's seat

Human-engineered, open operator's seat with functional design, excellent all-round visibility and perfectly shaped operator controls. Removable canopy (ROPS-certified acc. to ISO 3471; FOPS**-certified acc. to ISO 3449).

Operator's seat with hydraulic cushioning and lap belt; weight, height and longitudinally adjustable. Tilt-adjustable steering wheel.

Noise emission ambient L_{WA} 101 dB (A)
Measured in dynamic measuring cycle according to EEC-directive 2000/14/EG.

Fluid capacities

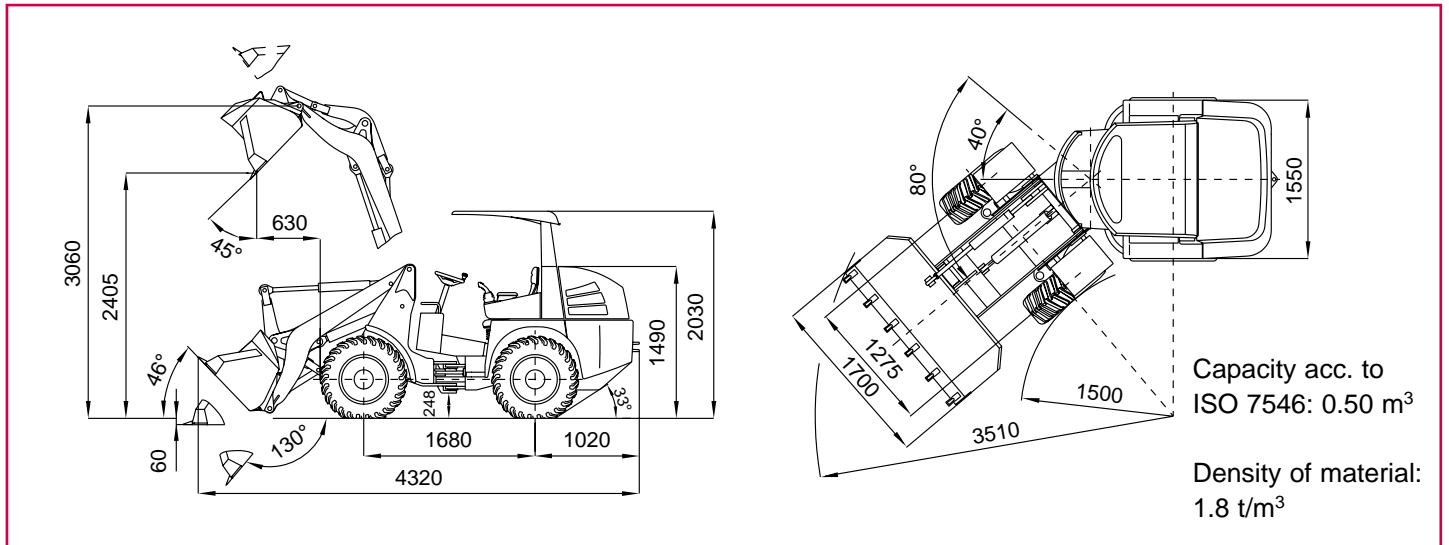
Fuel tank	62 l
Hydraulic system (includes tank)	58 l

* with rear axle weights

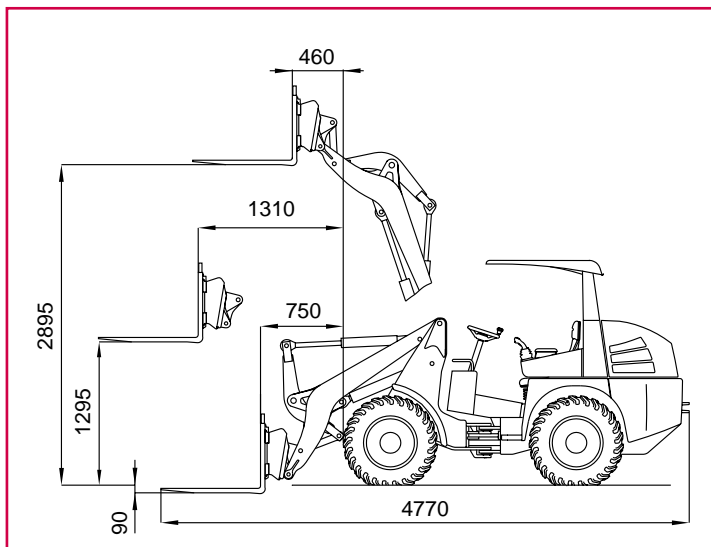
** OPS-approved only with skylight guard (option)

Dimensions

SCL 515 General purpose bucket

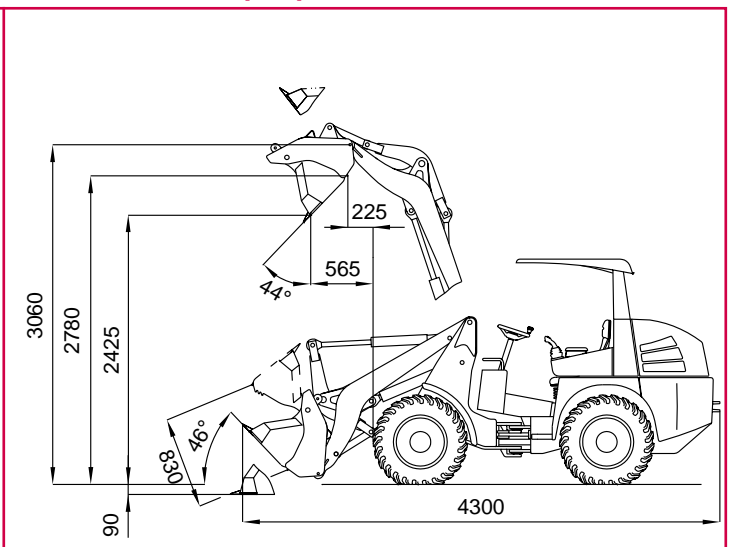


SCL 515 Fork lift attachment



Payload, complete lift range: 1100 (1200*) kg
Payload, transport position: 1300 (1400*) kg
* with rear axle weights

SCL 515 Multi-purpose bucket



Bucket type

	Capacity m ³	Density of M. t/m ³	Width mm	Dump height mm
General-purpose bucket	0.50	1.8	1700	2405
Gen.-purp. bucket w. bolt-on cutting edge	0.50	1.8	1700	2380
Multi-purpose bucket (4 in 1)	0.45	1.6	1700	2425
Multi-purp. bucket w. bolt-on cutting edge	0.45	1.6	1850	2400

Examples material densities:

Granite, sand (damp), gravel (damp): 1.8 t/m³
Earth (damp), sand (dry), gravel (dry): 1.6 t/m³

Coal, slate: 1.2 t/m³
Coke, wood chips (dry): 0.8 t/m³

Options and extras

Tires

10.0/75-15.3

10-16.5

Special tires available on request

Front attachments

Fork lift attachment with forks, 900 mm long

Multi-purpose bucket. Bolt-on cutting edge. Load hook attachable to pallet forks

Suitable for the complete range of attachments of US-manufactured compact loaders

Operator's stand

Fold-down roll bar (instead of canopy)

Additional rear window for version "canopy"

FOPS-skylight guard

Working floodlight, front

Working floodlight, rear

Yellow rotating beacon

Intermittent windshield wiper

Diesel supplementary heating with timer

Fire extinguisher

Vandal guard for instrument panel

Diesel engine – Optional equipment

Diesel exhaust cleaner

Catalyst

Alternative fuels available on request

Operator's cab

Removable, rubber-mounted full-vision steel cab, ROPS (to ISO 3471) and FOPS (to ISO 3449 - only with optional skylight guard fitted) certified.

Two doors, level entry to cab, electric windshield wipers and washer, front and rear, tinted panoramic safety glass.

Oil heating with windshield defroster, front and rear, adjustable nozzles for front windows, foot area and rear windows.

Further options

Filling with biodegradable hydraulic oil, Ester Base VI 68

Electrical tank refilling pump

Outlet for hydraulic hand-held hammer

Back-up alarm for reverse travel

Special creep speed versions available on request

Immobilizer

Hydraulic piping and quick couplings for 3rd control circuit on lift frame (required for work attachments with hydraulically operated additional functions)

Further attachments available on request

Subject to change without further notice

