



WL54

Articulated Wheel Loaders

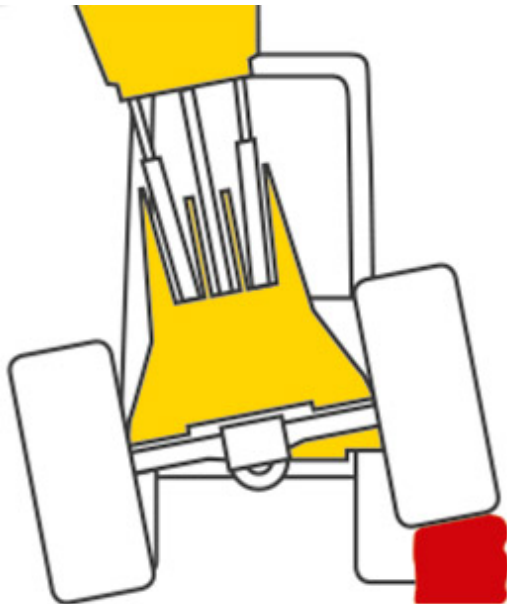


Convincing on every construction site

The powerful wheel loader WL54 convinces with high economic efficiency and power on the construction site. It maneuvers quickly and in a time-saving manner with a first-class work performance.

The WL54 achieves this through its large lifting and biting forces, a high stability as well as the up to 100% connectable differential lock. And all of this at a convincing price-performance ratio.

- 1.0 m³ bucket capacity at 1.3t/m³ bulk material density
- Powerful hydraulics with many options, such as the high flow option for various attachments
- Open service access to hydraulics, engine and air cleaner – shortens the maintenance and therefore also downtimes
- The tremendous reach of the load arm allows for central accumulation, even with a high loading sill



The articulated pendulum joint

The guarantee for the best possible stability and maneuverability. Due to the joint, all four wheels remain in constant contact with the ground and the machine moves with maximum traction. In addition, the machine is therefore uniquely maneuverable. It is therefore possible to turn curves at an angle of up to 45° degrees.



Differential lock

The 100% connectable differential lock reliability engages in order to work reliably on difficult terrain. The result: maximum shear forces with excellent ground grip. The lock is not enabled during normal driving operation. This protects the tires from unnecessary wear and also protects the ground being driven on.

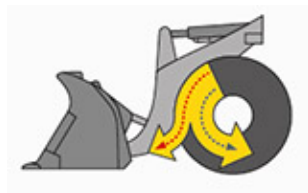


Inch brake pedal

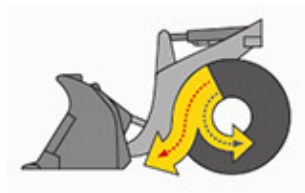
- Full power for the hydraulics and at the same time reducing the travel speed: To do this, you only need one pedal with the Wacker Neuson wheel loaders.
- You can regulate both mechanical as well as hydraulic braking ("inching") via the brake-inch pedal.
- The advantages are obvious: less wear of the service brake and optimal power distribution of the engine output.



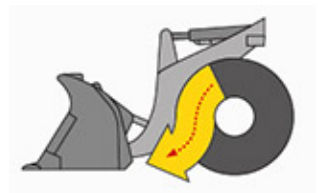
No pressure on inch brake pedal:
full power for the drive system



Lightly depressed inch brake pedal:
Speed is reduced, more force in the work hydraulics



Strongly depressed inch brake pedal:
The speed is reduced further, even more force into the work hydraulics



Fully depressed inch brake pedal:
The wheel loader stands still, full force into the work hydraulics

Two lift cylinders

- for even more stability of the loading system
- the hydraulic power is optimally distributed to the load arm





Choose your driver's cabin

- All three driver's cabins of the Wacker Neuson wheel loaders are perfectly designed for the requirements of everyday construction site life and meet high safety standards
- ROPS-protection (roll-over protective structure)
- FOPS-protection (falling object protective structure)
- An operator's canopy and cabin versions are available for the WL54



Comfort cabin (1-door)

- Ergonomic working area: Plenty of legroom, clearly arranged combination instruments, comfortable air-sprung driver's seat and an adjustable joystick console
- Large glass window on all sides for an optimal overview of the working area
- The cabin door can be opened 180°



Maintenance

Open service access to hydraulics, engine and air cleaner: You only need a few steps due to the easy-to-open service and maintenance covers. The quick maintenance shortens the time of standstills and you therefore save money.



**WACKER
NEUSON**
all it takes!



Interior of cabin



**Maintenance accesses to
the interior of the cabin**



Easy to open engine hood



**Service flap on the outside
of the comfort cabin**



Technical specifications

WL54

	Operator's canopy	Cabin*
Engine / Motor		
Engine / Motor manufacturer	Deutz	Deutz
Engine / Motor type	TCD 2.9 L4	TCD 2.9 L4
Cylinder	4	4
Engine performance kW	55.4	55.4
at rpm Maximum rpm	2,300	2,300
Displacement cm ³	2,900	2,900
Coolant type	Water $\frac{7}{10}$ charge air	Water $\frac{7}{10}$ charge air
Electrical system		
Operating voltage V	12	12
Battery Ah	95	95
Alternator A	95	95
Weights		
Operating weight kg	5,800	5,800
Tipping load with bucket - machine straight kg	3,270	3,583
Tipping load with bucket - machine at angle kg	2,761	3,045
Tipping load with pallet fork - machine straight kg	3,035	3,270
Tipping load with pallet fork - machine at angle kg	2,599	2,813
Vehicle data		
Bucket capacity Standard bucket m ³	1	1
Traction drive	Hydrostatic via universal joint shaft	Hydrostatic via universal joint shaft
Axles	PA1422	PA1422
Drivers cab	FSD (cabin)	Cabin
Speed (optional) km/h	0-20 (30)	0-20 (30)
Speed Level	2	2
Standard tires	12.5-20 MPT ETO	500/45-20 AS ETO
Hydraulic system		
Driving hydraulics - operating pressure bar	445	445
Operating hydraulics - operating pressure bar	210	210
Operating hydraulics - discharge capacity l/min	64	64



	Operator's canopy	Cabin*
Operating hydraulics - discharge capacity (optional up to) l/min	115	115
Filling capacities		
Fuel tank capacity l	82	82
Hydraulic oil tank l	66	66
Sound level		
Guaranteed sound power level L _{WA} dB(A)	101	101

Standard bucket = digging bucket, 1,900 mm width

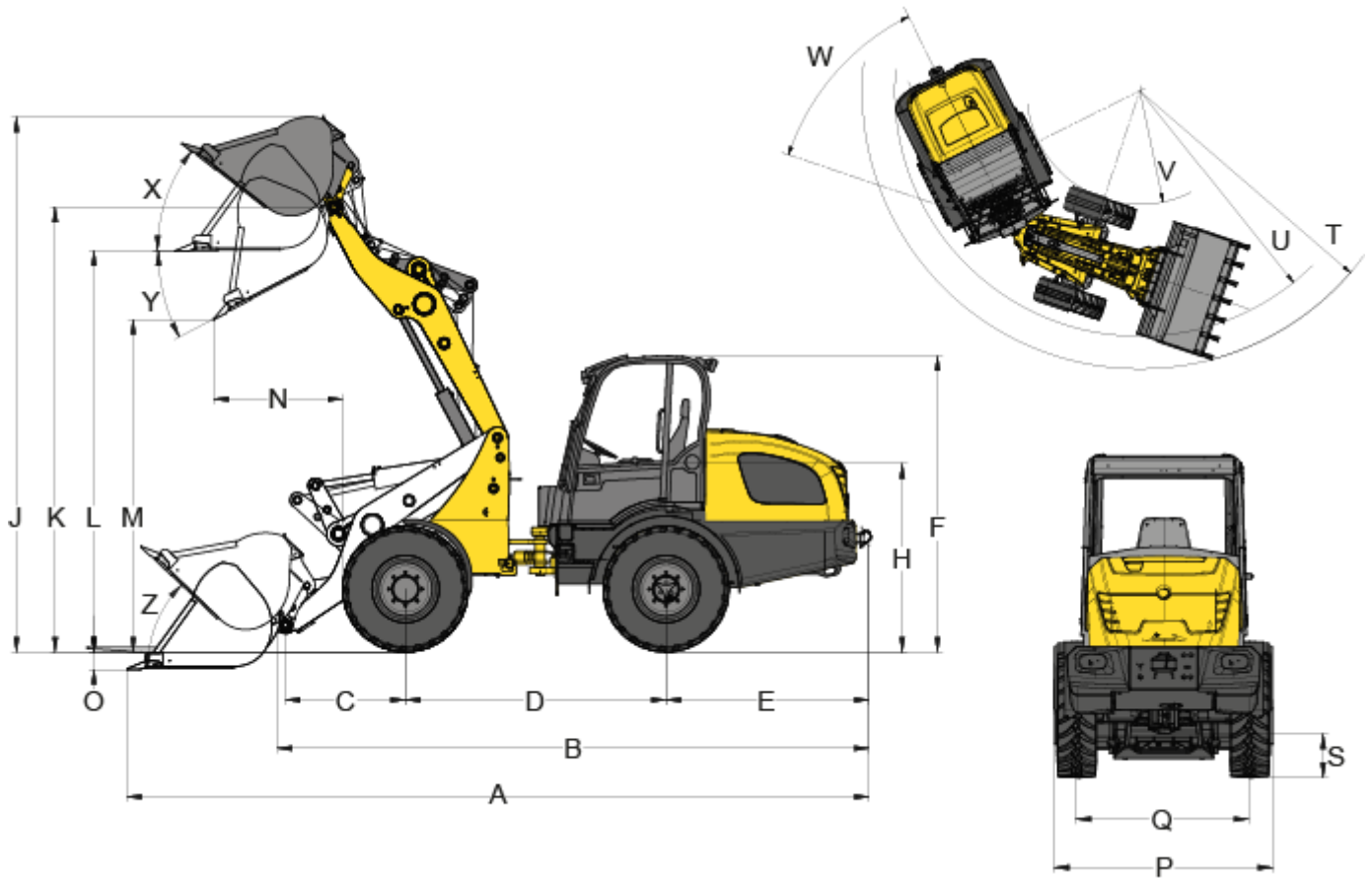
FSD = Operator's canopy

Tipping load calculation according to ISO 14397-EN474-3

*Equipment version (cabin, counterweight floor plate 118 kg, tires 500/45-20 AS ET0)



Dimensions



	Standard tires	12.5-20 MPT ETO
A	Overall length	5,760 mm
B	Overall length without bucket	4,828 mm
C	Bucket pivot point to axle center	991 mm
D	Wheelbase	2,150 mm
E	Rear overhang	1,531 mm
F	Height With operator's canopy	2,495 mm
F	Height With cabin	2,553 mm
H	Seat height	1,495 mm
J	Total operating height	4,561 mm



K	Stroke height max. - bucket pivot point	3,671 mm
L	Overhead loading height	3,335 mm
M	Dump height max.	2,864 mm
N	Range with M	875 mm
O	Scraping depth	114 mm
P	Overall width	1,742 mm
Q	Track width	1,432 mm
S	Ground clearance	352 mm
T	Radius maximum	4,242 mm
U	Radius at outer edge	3,785 mm
V	Inside turning radius	1,914 mm
W	Articulation angle	42 °
X	Bucket rollback at max. stroke height	44 °
Y	Dump angle Maximum	28 °
Z	Bucket rollback at ground level	38 °

All values with standard bucket: Digging bucket 1,900 mm, 1.0 m³ and standard tires: 12.5-20 MPT ETO

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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