



WL44

Articulated Wheel Loaders



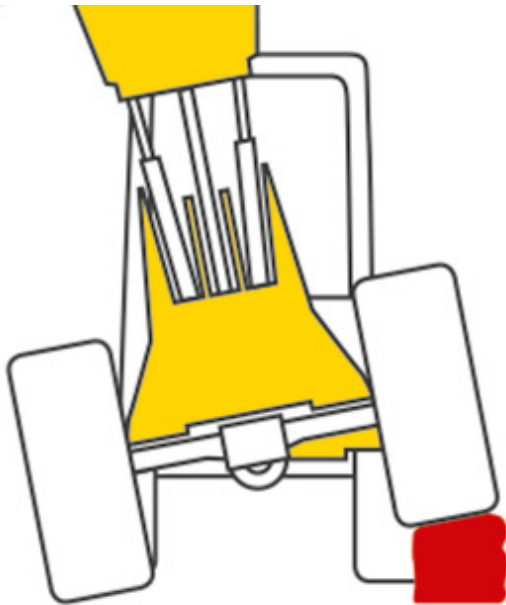
Allrounder for daily maximum performances

The articulated wheel loader WL44 offers you power, maneuverability and efficiency in one machine. It properly takes care of business – and with every application. Compact dimensions combined with innovative technology and a convincing price-performance ratio result in a perfect combination of power and economic efficiency.

- 0.8 m³ bucket capacity at 1.3 t/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
- Various engine outputs available for any field of application
- High breakout forces for large volumes due to Z-kinematics

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.

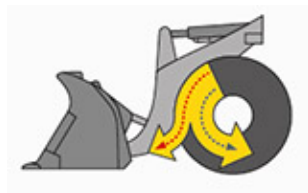


Inch brake pedal

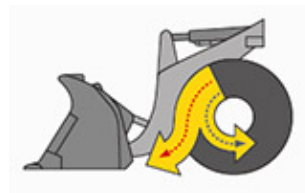
- Full power for the hydraulics and at the same time reducing the travel speed: To do this, you only need one pedal with the Wacker Neuson wheel loaders.
- You can regulate both mechanical as well as hydraulic braking ("inching") via the brake-inch pedal.
- The advantages are obvious: less wear of the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



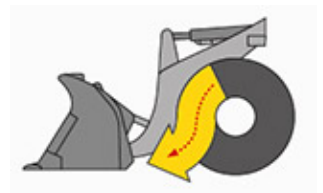
No pressure on inch brake pedal:
full power for the drive system



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)
- Various operator's canopy and cabin versions are available for the WL44



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.



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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

WL44

	Engine standard	Optional engine	Optional engine*
Engine / Motor			
Engine / Motor manufacturer	Perkins	Perkins	Deutz
Engine / Motor type	404 D-22	404 F-22T	TCD 2.9 L4
Cylinder	4	4	4
Engine performance kW	35.7	44.7	55.4
at rpm Maximum rpm	2,600	2,800	2,300
Displacement cm ³	2,216	2,216	2,900
Coolant type	Water	Water	Water $\frac{1}{2}$ / $\frac{1}{2}$ charge air
Electrical system			
Operating voltage V	12		12
Battery Ah	95		95
Alternator A	85		85
Weights			
Operating weight kg	4,600		4,600
Tipping load with bucket - machine straight kg	2,626		3,043
Tipping load with bucket - machine at angle kg	2,173		2,577
Tipping load with pallet fork - machine straight kg	2,258		2,546
Tipping load with pallet fork - machine at angle kg	1,896		2,164
Vehicle data			
Bucket capacity Standard bucket m ³	0.8		0.8
Traction drive	Hydrostatic via universal joint shaft		Hydrostatic via universal joint shaft
Axles	PA1400		PA1400
Drivers cab	FSD (cabin)		Cabin
Speed (optional) km/h	0-20 (30)		0-20 (30)
Speed Level	2		2
Standard tires	12.5-18 MPT ET-50		405/70 R 18 EM ET0
Hydraulic system			
Driving hydraulics - operating pressure bar	445		445
Operating hydraulics - operating pressure bar	210		210
Operating hydraulics - discharge capacity l/min	58.5		58.5



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	Engine standard	Optional engine	Optional engine*
Operating hydraulics - discharge capacity (optional up to) l/min	70		70
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

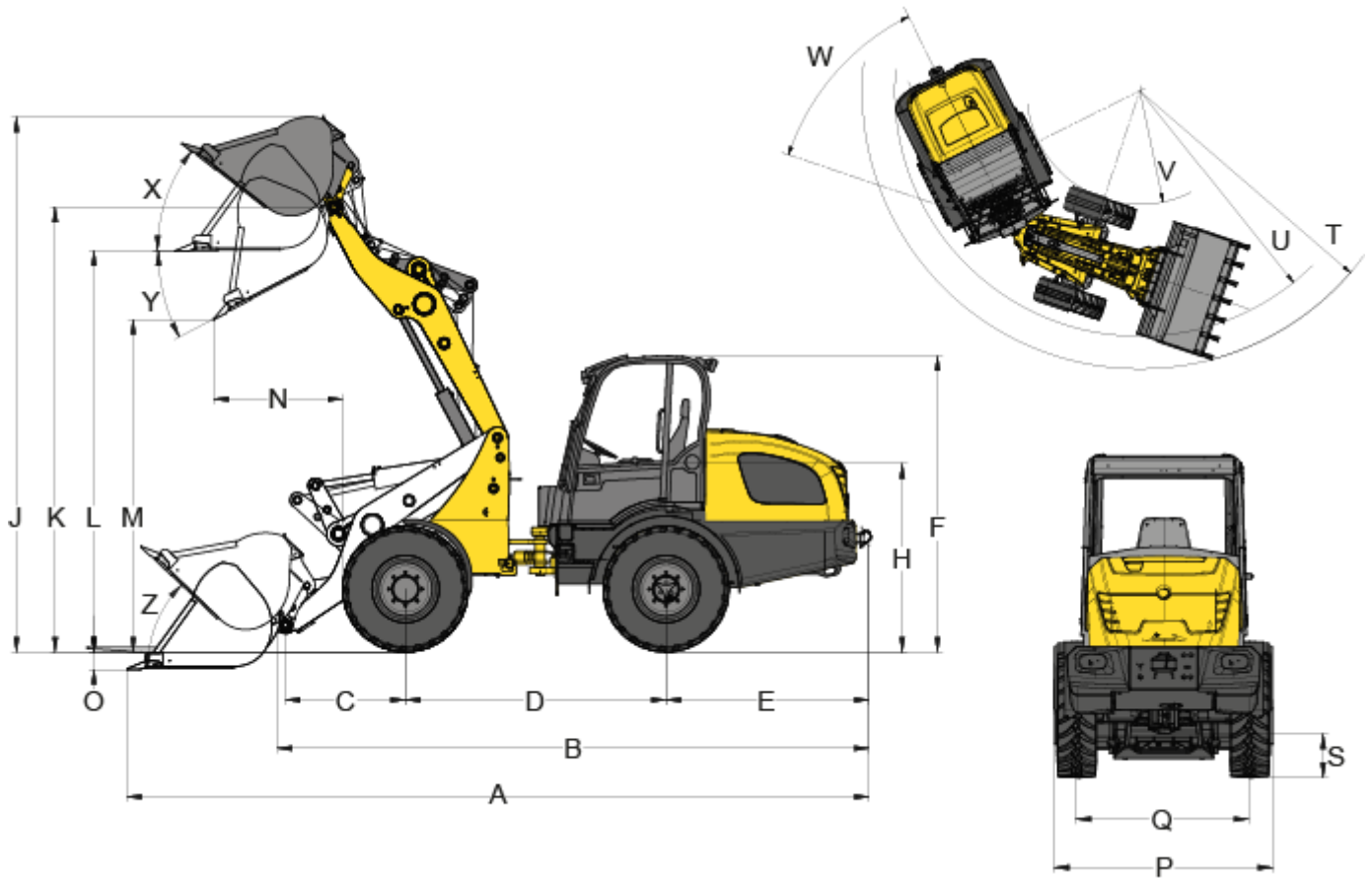
FSD = Operator's canopy

Tipping load calculation according to ISO 14397-EN474-3

*Equipment version (large engine, cabin, tires 405/70 R 18 EM ET0)



Dimensions



	Standard tires	12.5-18 MPT ET-50
A	Overall length	5,542 mm
B	Overall length without bucket	4,647 mm
C	Bucket pivot point to axle center	1,027 mm
D	Wheelbase	2,005 mm
E	Rear overhang	1,531 mm
F	Height with low operator's canopy	2,334 mm
F	Height with high operator's canopy	2,472 mm
F	Height With cabin	2,530 mm
H	Seat height	1,471 mm



J	Total operating height	4,057 mm
K	Stroke height max. - bucket pivot point	3,353 mm
L	Overhead loading height	3,020 mm
M	Dump height max.	2,475 mm
N	Range with M	694 mm
O	Scraping depth	123 mm
P	Overall width	1,825 mm
Q	Track width	1,500 mm
S	Ground clearance	358 mm
T	Radius maximum	4,275 mm
U	Radius at outer edge	3,587 mm
V	Inside turning radius	1,685 mm
W	Articulation angle	42 °
X	Bucket rollback at max. stroke height	43 °
Y	Dump angle Maximum	39 °
Z	Bucket rollback at ground level	42 °

All values with standard bucket: Digging bucket 1,900 mm, 0.80 m³ and standard tires: 12.5-18 MPT ET-50

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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