



WL54

Wheel Loader

Robust design and impressive performance

The efficient WL54 wheel loader offers an impressive high economic efficiency and power. It maneuvers quickly, saving time, thus offering first-class work performance. The wheel loader WL54 achieves this with its high lifting and breakout forces as well as high stability – all at a convincing price-performance ratio.



Highlights

- Maximum traction thanks to articulated pendulum joint
- High-quality powder coating
- 100 % connectible differential lock
- High hydraulic performance
- Large lifting height

Technical Data

Standard engine data

Engine manufacturer	Deutz
Motor type	TCD 2.9 L4 S5
Cylinder	4
Drive output	55.4 kW
Drive output	75 PS
at max. rpm	2,300 U/min
Cylinder capacity	2,900 cm ³
Type of coolant	Water/charge air
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF

Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	85 A

Weights

Bucket capacity (standard bucket)	0.90 m ³
Operating weight	5,800 kg
Tipping load with bucket – machine straight, loading frame horizontal	3,270 - 3,583 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	2,761 - 3,045 kg

Tipping load with pallet fork – machine straight, loading frame horizontal	3,035 - 3,270 kg
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Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,599 - 2,813 kg
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Driver's cab

Driver's cab	FSD (cabin)
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Filling levels

Tank capacity for fuel	82 l
Tank capacity for hydraulic oil	66 l

Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	PA 1422
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Operating brake	Hydrostatic drive system acting on all 4 wheels (wear-free)
Parking brake	Service and parking brake in the drive train acts on all 4 wheels
Differential lock	100 % front axle + rear axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	445 bar
Work hydraulics discharge volume (max.)	64 (74-115) l/min
Work hydraulics working pressure (max.)	210 bar

■ Kinematics

Kinematics type	Z
Lifting cylinder	2
Tipping cylinder	1
Quick change system	hydraulic

■ Steering

Steering type	hydraulically activated articulated pendulum steering
Steering cylinder	1

Oscillating angle	±12 degree
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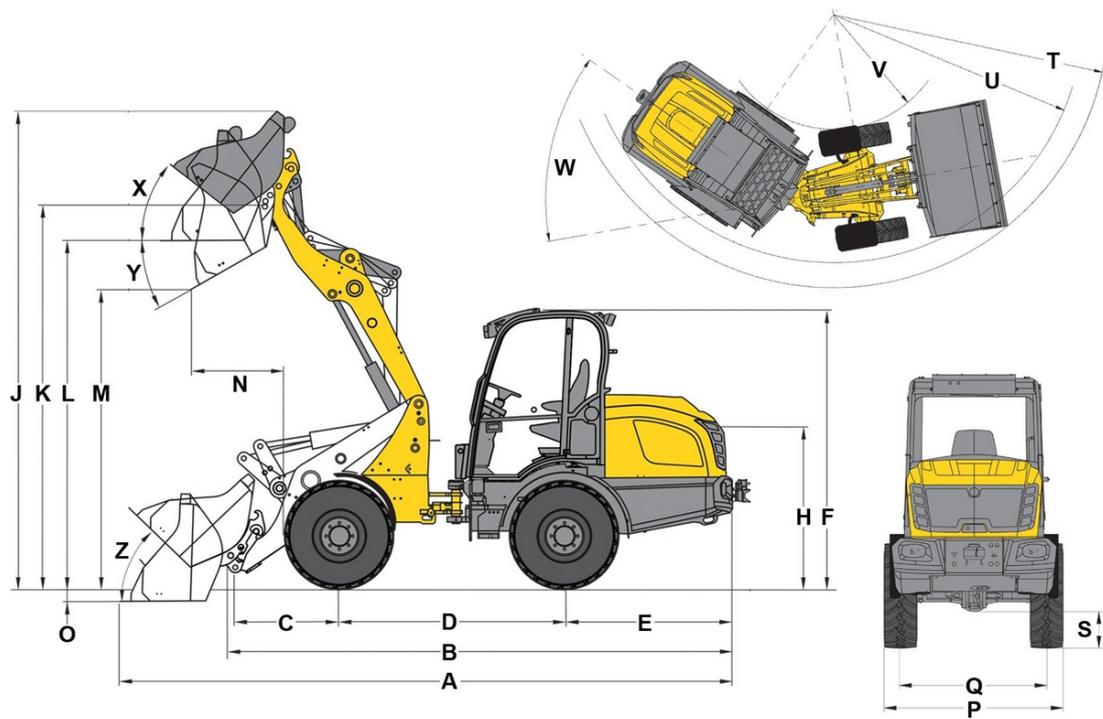
■ Noise characteristic values

Average sound power level L _{WA} (operator's canopy)	99.9 dB(A)
Guaranteed sound power level L _{WA} (operator's canopy)	101 dB(A)
Specified sound pressure level L _{pA} (operator's canopy)	84 dB(A)
Average sound power level L _{WA} (cabin)	99.9 dB(A)
Guaranteed sound power level L _{WA} (cabin)	101 dB(A)
Specified sound pressure level L _{pA} (cabin)	80 dB(A)

■ Other information

FSD = overhead guard
 DPF = diesel particulate filter
 DOC = diesel oxidation catalyst
 SCR = selective catalytic reduction
 Tipping load calculation pursuant to ISO 14397

Dimensions



A	Total length	5,760 mm
B	Total length without bucket	4,828 mm
C	Bucket pivot point (to center of axle)	991 mm
D	Wheel base	2,150 mm
E	Rear overhang	1,531 mm
F	Height with operator's canopy raised	2,495 mm
	Height with cab raised	2,553 mm
H	Seat height	1,495 mm
J	Total working height	4,561 mm
K	Bucket pivot point (max. lift height)	3,671 mm
L	Load-over height	3,335 mm
M	Dumping height	2,864 mm
N	Reach (at M)	870 mm
O	Digging depth	114 mm
P	Total width	1,847 mm
Q	Track width	1,522 mm
S	Ground clearance	352 mm
T	Maximum external radius	4,242 mm
U	Radius on the outer edge	3,785 mm
V	Inner radius	1,674 mm
W	Articulation angle	42 °
X	Rollback angle at max. lift height	38 °
Y	Dumping angle	28 °
Z	Rollback angle on ground	44 °