

WL52

Wheel Loader

Strong machine performance

Beside powerful hydraulics, the WL52 wheel loader offers extremely easy-to-use joystick pilot control. The cab is characterized by outstanding ergonomics, clear arrangement and comfort. This makes fatigue-free work possible for the operator even on long workdays. The WL52 is a powerhouse, impressive with high breakout forces and large tipping cylinders. Ideally suited for frequent material transport and many loading cycles.

MAT: 1000414055

Highlights

- High productivity thanks to the low front carriage
- Ergonomic cockpit
- The wheel loader as an attachment carrier
- Variety of equipment
- Joystick console spring-mounted on the operator's seat

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 cm³
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)	0.85 m³
Operating weight	5,100 kg
Tipping load with bucket – machine straight, loading frame horizontal	3,949 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	3,416 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	3,055 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,555 kg

Driver's cab

Driver's cab	Cab

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 1400 (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

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Hydraulic system

Drive hydraulics working pressure (max.)	450 bar
Work hydraulics discharge volume (max.)	73,6 (83-115) l/min
Work hydraulics working pressure (max.)	220 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

Noise characteristic values

Average sound power level LwA (cabin)	99.9 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	74 dB(A)

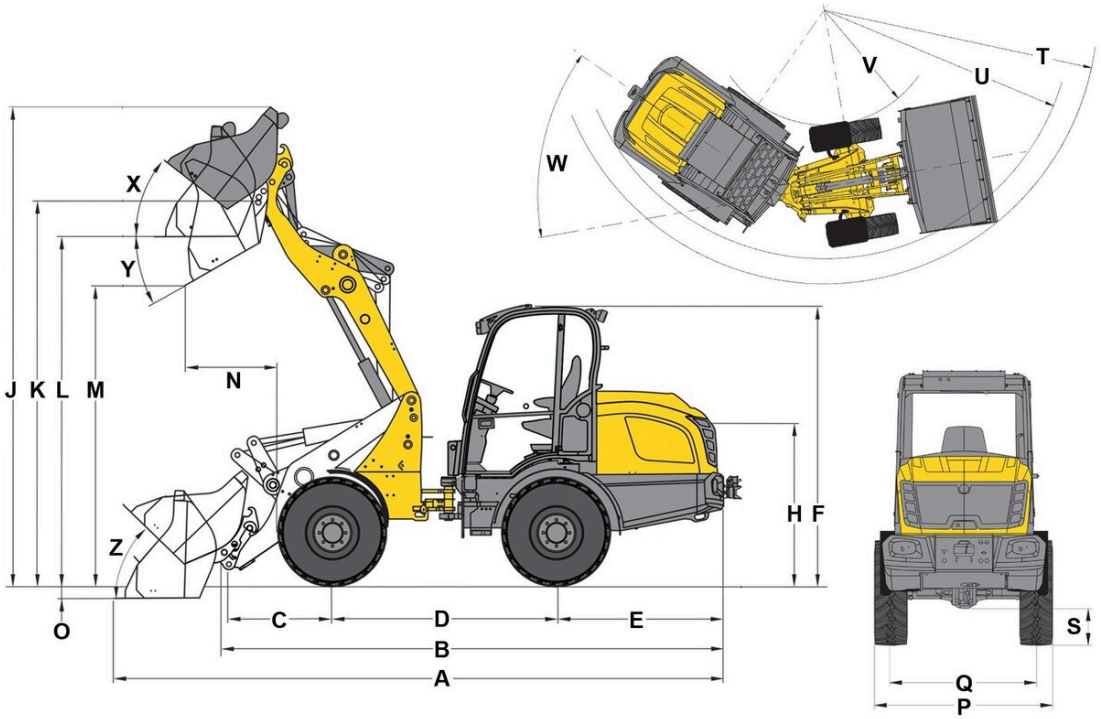
Other information

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

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Dimensions



A	Total length	5,420 mm
B	Total length without bucket	4,760 mm
C	Bucket pivot point (to center of axle)	1,040 mm
D	Wheel base	2,110 mm
E	Rear overhang	1,530 mm
F	Height with cab lowered	2,498 mm
	Height with cab raised	2,680 mm
H	Seat height	1,590 mm
J	Total working height	3,930 mm
K	Bucket pivot point (max. lift height)	3,240 mm
L	Load-over height	2,980 mm
M	Dumping height	2,470 mm
N	Reach (at M)	626 mm
O	Digging depth	96 mm
P	Total width	1,810 mm
Q	Track width	1,400 mm
S	Ground clearance	370 mm
T	Maximum external radius	4,240 mm
U	Radius on the outer edge	3,850 mm
V	Inner radius	1,910 mm
W	Articulation angle	40 °
X	Rollback angle at max. lift height	71 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	43 °

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