





# **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.

# 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	74.3 HP
at max. rpm	2,300 rpm
Cylinder capacity	176.97 in <sup>3</sup>
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)	30.02 ft <sup>3</sup>
Operating weight	11,244 lb
Tipping load with bucket – machine straight, loading frame horizontal	8,706 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	7,531 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	6,735 lb

Tipping load with pallet fork – machine pivoted, loading frame horizontal	5,633 lb
■ Driver's cab	
Driver's cab	Cab
Filling levels	
Tank capacity for fuel	21.66 US gal
Tank capacity for hydraulic oil	17.44 US gal
Drive system	
Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	PA 1400 (PA 1422)
Travel speed Standard	0-12.43 mph
Travel speed Option 1	0-18.64 mph
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.)	6,527 psi
Work hydraulics discharge volume (max.)	19.55 (21.93-30.38) gpm
Work hydraulics working pressure (max.)	3,191 psi

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

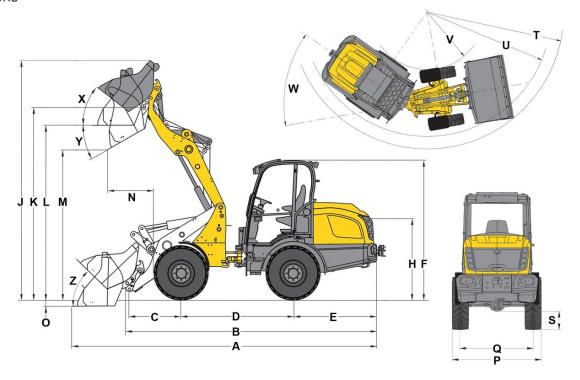
#### Kinematics

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 IS	SO 14397

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# Dimensions



Α	Total length	213.4 in
В	Total length without bucket	187.4 in
С	Bucket pivot point (to center of axle)	40.9 in
D	Wheel base	83.1 in
E	Rear overhang	60.2 in
F	Height with cab lowered	98.3 in
	Height with cab raised	105.5 in
Н	Seat height	62.6 in
J	Total working height	154.7 in
K	Bucket pivot point (max. lift height)	127.6 in
L	Load-over height	117.3 in
M	Dumping height	97.2 in
Ν	Reach (at M)	24.6 in
0	Digging depth	3.8 in
Р	Total width	71.3 in
Q	Track width	55.1 in
S	Ground clearance	14.6 in
Т	Maximum radius	166.9 in
U	Radius on the outer edge	151.6 in
V	Inner radius	75.2 in
W	Articulation angle	40 °
Χ	Rollback angle at max. lift height	71 °
Υ	Dumping angle	45 °
Z	Rollback angle on ground	43 °