



## 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
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#### ■ Driver's cab

Driver's cab	Cab
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#### ■ 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

■ **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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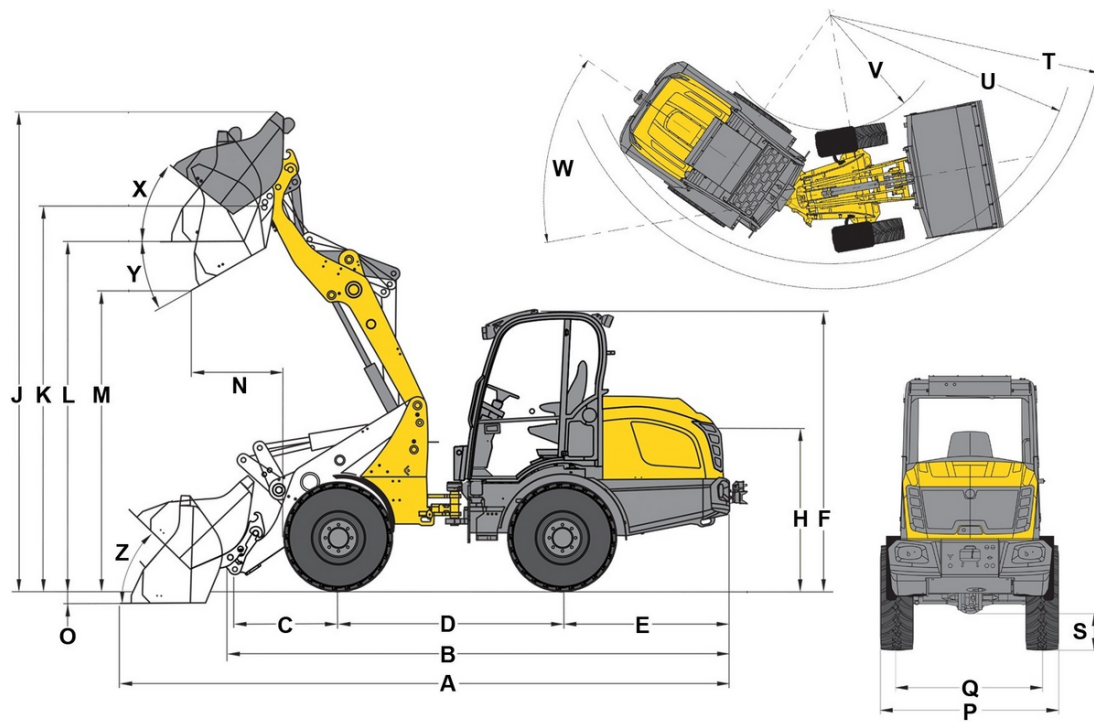
■ **Noise characteristic values**

Average sound power level 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

## Dimensions



A	Total length	213.4 in
B	Total length without bucket	187.4 in
C	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
H	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
N	Reach (at M)	24.6 in
O	Digging depth	3.8 in
P	Total width	71.3 in
Q	Track width	55.1 in
S	Ground clearance	14.6 in
T	Maximum radius	166.9 in
U	Radius on the outer edge	151.6 in
V	Inner radius	75.2 in
W	Articulation angle	40 °
X	Rollback angle at max. lift height	71 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	43 °