

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 in³
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 ft³
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

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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

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)

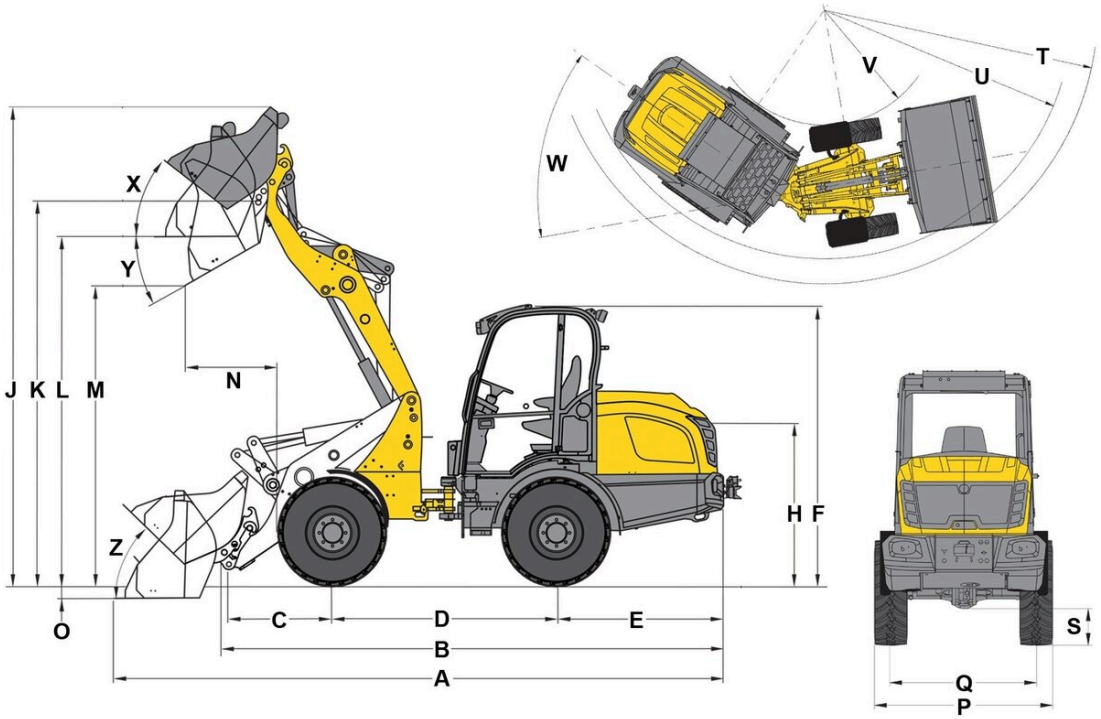
Other information

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	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 external 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 °

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