

WL34

Wheel Loader

The ideal entry-level model

Low profile design, outstanding economic efficiency and maximum performance in loading and transporting are key benefits of the WL34 wheel loader. It is the ideal entry-level model in the compact class with 0.7 yd3 bucket capacity. It combines power, reliable hydraulics and compact dimensions with sophisticated technology and a convincing price-performance ratio. A durable tool that efficiently manages a high workload.

Highlights

- Maximum traction thanks to articulated pendulum joint
- High-quality powder coating
- 100 % connectible differential lock
- Perfectly tuned kinematics
- Easy entry and exit

Technical Data

Standard engine data

Engine manufacturer	Deutz
Motor type	TD 2.9 L4 S5
Cylinder	4
Drive output	45 kW
Drive output	60.3 HP
at max. rpm	2,300 rpm
Cylinder capacity	176.97 in³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF
Average sound power level LwA (operator's canopy)	98.5 dB(A)
Guaranteed sound power level LwA (operator's canopy)	99 dB(A)
Specified sound pressure level LpA (operator's canopy)	85 dB(A)
Average sound power level LwA (cabin)	98.5 dB(A)
Guaranteed sound power level LwA (cabin)	99 dB(A)
Specified sound pressure level LpA (cabin)	77 dB(A)

Engine data Option 1

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
Average sound power level LwA (operator's canopy)	100.1 dB(A)
Guaranteed sound power level LwA (operator's canopy)	101 dB(A)
Specified sound pressure level LpA (operator's canopy)	85 dB(A)
Average sound power level LwA (cabin)	100.1 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	78 dB(A)

Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	95 A

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Weights

Bucket capacity (standard bucket)	21.90 ft³
Operating weight	8,598 lb
Tipping load with bucket – machine straight, loading frame horizontal	6,449 - 6,735 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	5,386 - 5,598 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	5,765 - 5,988 lb
Tipping load with pallet fork – machine pivoted, loading frame horizontal	4,850 - 5,018 lb

Driver's cab

Driver's cab	FSD (cabin)

Filling levels

Tank capacity for fuel	17.17 US gal
Tank capacity for hydraulic oil	13.21 US gal

Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	PA 1200
Travel speed Standard	0-12.43 mph
Travel speed Option 1	0-17.40 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.)	15.19 (19.44) gpm
Work hydraulics working pressure (max.)	3,046 psi

Kinematics

Kinematics type	PZ
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

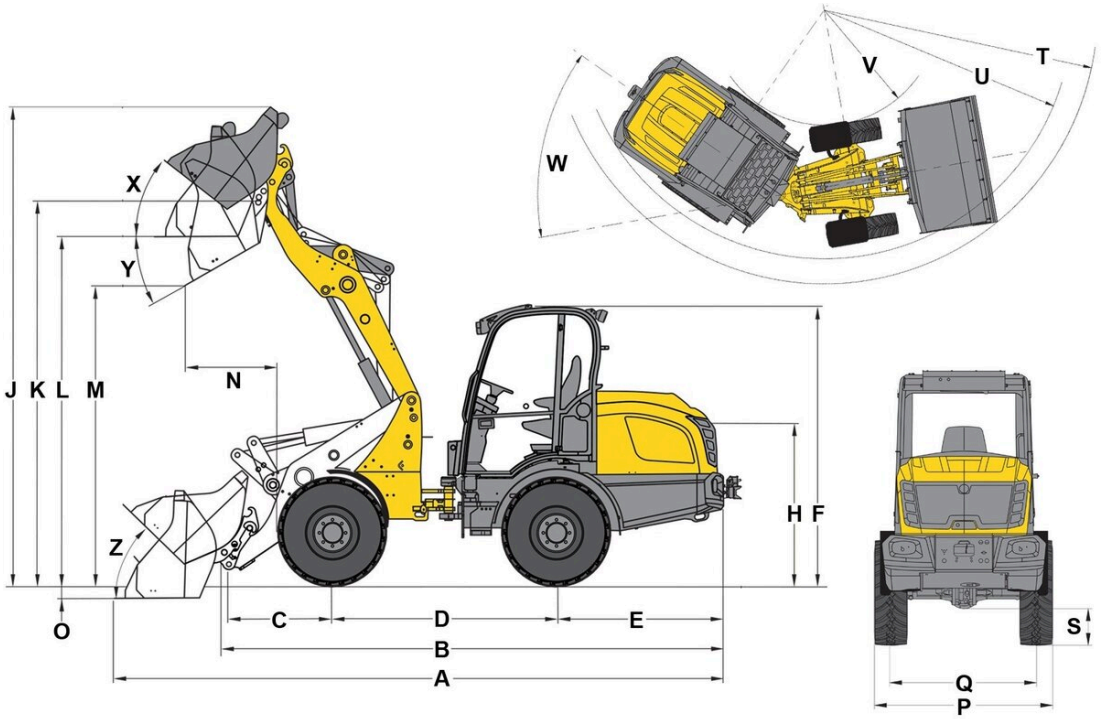
Other information

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	197.2 in
B	Total length without bucket	167.7 in
C	Bucket pivot point (to center of axle)	26.6 in
D	Wheel base	80.51 in
E	Rear overhang	56.3 in
F	Height with lowered operator's canopy	87.4 in
	Height with operator's canopy raised	93.7 in
F	Height with cab lowered	87.4 in
	Height with cab raised	95.3 in
H	Seat height	50.0 in
J	Total working height	154.7 in
K	Bucket pivot point (max. lift height)	128.7 in
L	Load-over height	116.9 in
M	Dumping height	96.9 in
N	Reach (at M)	5.6 in
O	Digging depth	1.7 in
P	Total width	61.0 in
Q	Track width	49.6 in
S	Ground clearance	12.6 in
T	Maximum external radius	142.1 in
U	Radius on the outer edge	131.9 in
V	Inner radius	66.1 in
W	Articulation angle	45 °
X	Rollback angle at max. lift height	49 °
Y	Dumping angle	43 °
Z	Rollback angle on ground	43 °

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