



WL1150

Wheel Loader

Powerful entry-level model

These features characterize the WL1150 wheel loader: Comfort cab with excellent ergonomics and all-round visibility, electronically controlled travel drive with various travel modes, robust loader arm with the best view of the attachment, wide range of options and a modern machine design. The transversely installed motor and the optimized arrangement of components ensure very good maintenance accessibility. The WL1150 is the ideal entry-level model in the wheel loader class with 1,00 m³ bucket volume. It combines power, reliable hydraulics and compact dimensions with sophisticated technology and a convincing price-performance ratio.



Highlights

- Comfortable Cab
- Robust central joint with optimized hose routing
- Service access front end
- Motor installed transversely
- Electronically regulated drive system

Technical Data

■ Standard engine data

Engine manufacturer	Kohler
Motor type	KDI 2504 TCR
Cylinder	4
Drive output	55.4 kW
Drive output	75 PS
at max. rpm	2,300 U/min
Maximum torque	315 Nm
Cylinder capacity	2,482 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF

■ Electrical system

Operating voltage	12 V
Battery	100 Ah
Alternator	120 A

■ Weights

Bucket capacity (standard bucket)	1.00 m ³
Operating weight	5,700 - 6,100 kg
Tipping load with bucket – machine straight, loading frame horizontal	3,730 - 4,060 kg

Tipping load with bucket – machine pivoted, loading frame horizontal	3,150 - 3,500 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	3,290 - 3,570 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,810 - 3,090 kg

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	80 l
Tank capacity for hydraulic oil	32 l

■ Drive system

Type of drive	electronically controlled
drive unit	hydrostatic via transfer gearbox and universal joint shaft
Speed levels	2
Axle	PA1422
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Operating brake	disc brake
Parking brake	Disc brake (mechanical handbrake lever)
Differential lock	100 % front axle + rear axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	500 bar
Work hydraulics discharge volume (max.)	77 (95) l/min
Work hydraulics working pressure (max.)	235 bar

■ Kinematics

Kinematics type	Z
Lifting cylinder	1
Tipping cylinder	1
Quick change system	hydraulic

■ Steering

Steering type	hydraulically activated articulated pendulum steering
Steering cylinder	1

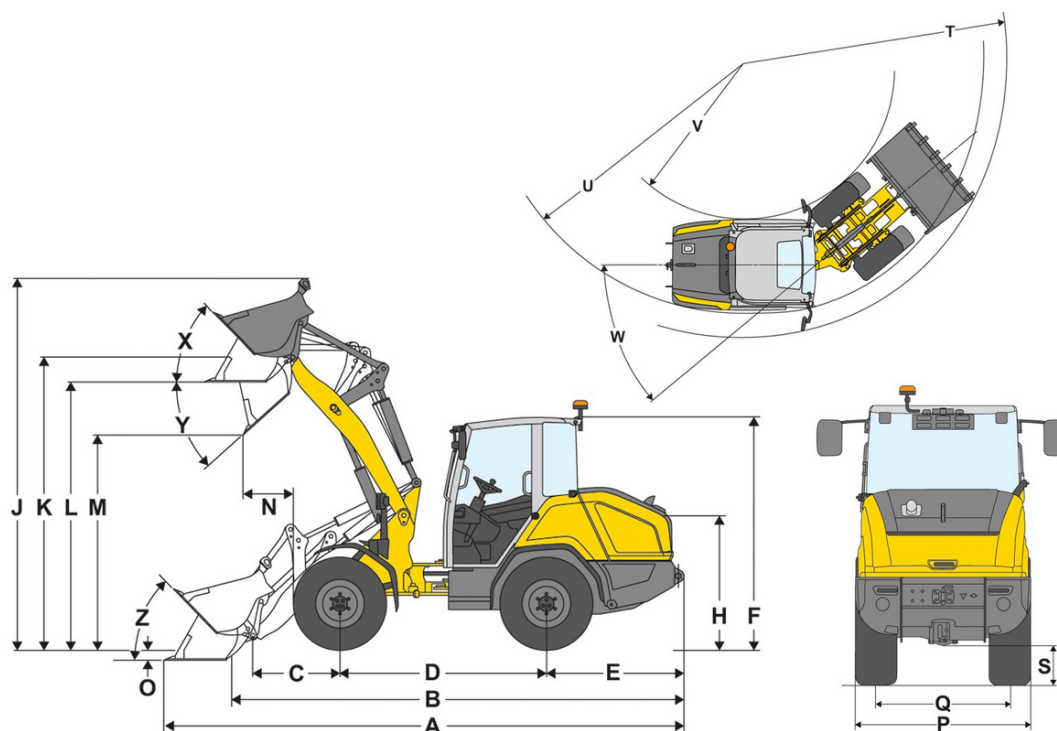
■ Noise characteristic values

Average sound power level L _{WA} (cabin)	99.8 dB(A)
Guaranteed sound power level L _{WA} (cabin)	101 dB(A)
Specified sound pressure level L _{pA} (cabin)	71 dB(A)

■ Other information

DPF = diesel particulate filter
DOC = diesel oxidation catalyst
Tipping load calculation pursuant to ISO 14397

Dimensions



A	Total length	5,705 mm
B	Total length without bucket	4,855 mm
C	Bucket pivot point (to center of axle)	1,120 mm
D	Wheel base	2,150 mm
E	Rear overhang	1,435 mm
F	Height with cab	2,510 mm
H	Seat height	1,485 mm
J	Total working height	4,305 mm
K	Bucket pivot point (max. lift height)	3,425 mm
L	Load-over height	3,175 mm
M	Dumping height	2,545 mm
N	Reach (at M)	880 mm
O	Digging depth	105 mm
P	Total width	1,830 mm
Q	Track width	1,420 mm
S	Ground clearance	365 mm
T	Maximum radius	4,450 mm
U	Radius on the outer edge	3,990 mm
V	Inner radius	2,070 mm
W	Articulation angle	40 °
X	Rollback angle at max. lift height	65 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	45 °