



WL1150

Wheel Loader

The power type

These features characterise the WL1150 wheel loader: Comfort cabin with excellent ergonomics and 360° visibility, electronically controlled drive system with various operating modes, sturdy load arm with an optimal view of the attachment, large range of options and a modern machine design. The transversely installed engine and the optimised arrangement of components ensure very good maintenance access. The WL1150 is the ideal model in the wheel loader class with 1.00 m³ bucket volume. It combines power, reliable hydraulics and compact dimensions with well-engineered technology and an excellent 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 cm³
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 m³
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

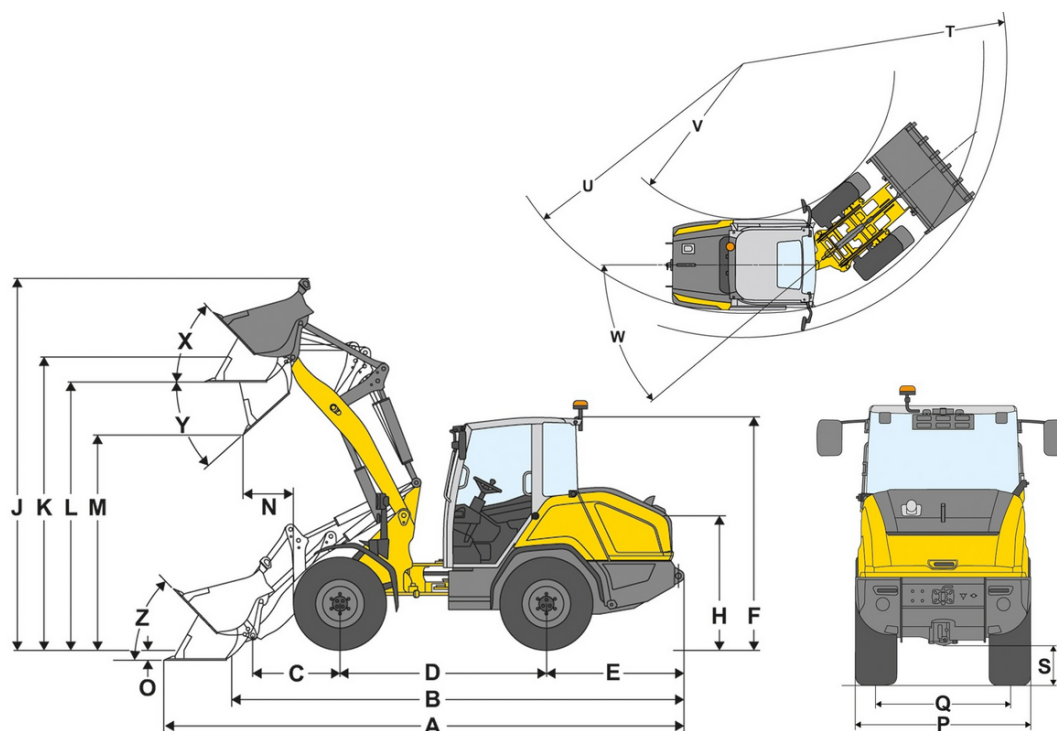
■ Noise characteristic values

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 °