



WL950

Wheel Loader

Cost-efficient entry-level model

These features characterize the WL950 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 WL950 is the ideal entry-level model in the wheel loader class with 0,85 m³ bucket volume. It combines power, reliable hydraulics and compact dimensions with sophisticated technology and a convincing price-performance ratio.

Highlights

- Comfortable Cab
- Perfectly matched Z-kinematics
- Robust central joint with optimized hose routing
- Motor installed transversely
- Service access front end

Technical Data

■ Standard engine data

Engine manufacturer	Kohler
Motor type	KDI1903TCR
Cylinder	3
Drive output	42 kW
Drive output	57 PS
at max. rpm	2,600 U/min
Maximum torque	225 Nm
Cylinder capacity	1,861 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)	0.85 m ³
Operating weight	5,000 - 5,200 kg
Tipping load with bucket – machine straight, loading frame horizontal	3,570 - 3,950 kg

Tipping load with bucket – machine pivoted, loading frame horizontal	3,070 - 3,410 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	2,960 - 3,260 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	2,560 - 2,830 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
Operating brake	Drum brake
Parking brake	drum brake (mechanical handbrake lever)
Differential lock	100 % front axle + rear axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	500 bar
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Work hydraulics discharge volume (max.)	74 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

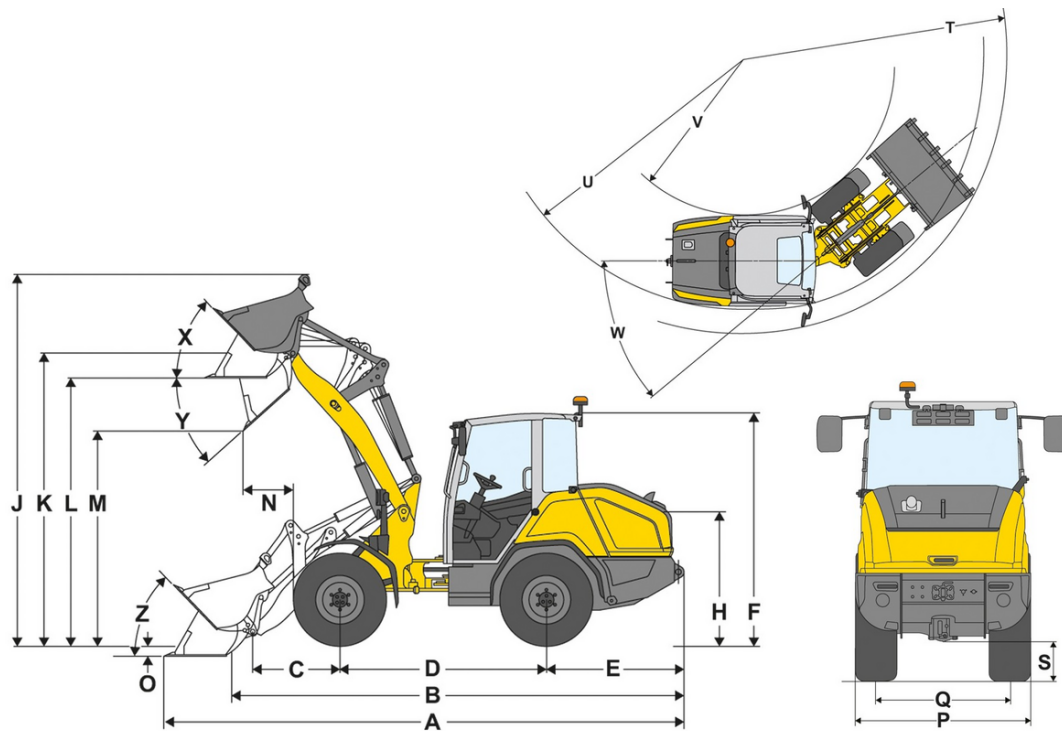
■ Noise characteristic values

Average sound power level LwA (cabin)	99.9 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	69 dB(A)

■ Other information

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

Dimensions



A	Total length	5,430 mm
B	Total length without bucket	4,670 mm
C	Bucket pivot point (to center of axle)	960 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	4,070 mm
K	Bucket pivot point (max. lift height)	3,250 mm
L	Load-over height	2,995 mm
M	Dumping height	2,450 mm
N	Reach (at M)	675 mm
O	Digging depth	85 mm
P	Total width	1,830 mm
Q	Track width	1,420 mm
S	Ground clearance	375 mm
T	Maximum radius	4,300 mm
U	Radius on the outer edge	3,935 mm
V	Inner radius	2,070 mm
W	Articulation angle	40 °
X	Rollback angle at max. lift height	66 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	44 °