

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 35.31 ft³ 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	Rehlko
Motor type	KDI2504TCR
Cylinder	4
Drive output	55.4 kW
Drive output	74.29 HP
at max. rpm	2,300 rpm
Cylinder capacity	151.46 in³
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)	35.31 ft³
Operating weight	12,522 - 13,448 lb
Tipping load with bucket – machine straight, loading frame horizontal	8,223 - 8,951 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	6,945 - 7,716 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	7,253 - 7,871 lb
Tipping load with pallet fork – machine pivoted, loading frame horizontal	6,195 - 6,812 lb

Driver's cab

Driver's cab	Cab

Filling levels

Tank capacity for fuel	21.13 US gal
Tank capacity for hydraulic oil	8.45 US gal

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	0-12.43 mph
Operating brake	disc brake
Parking brake	Disc brake (mechanical handbrake lever)
Differential lock	100 % front axle + rear axle

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Hydraulic system

Drive hydraulics working pressure (max.)	7,252 psi
Work hydraulics discharge volume (max.)	20.08 (24.04) gpm
Work hydraulics working pressure (max.)	3,408 psi

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)	99.8 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	71 dB(A)

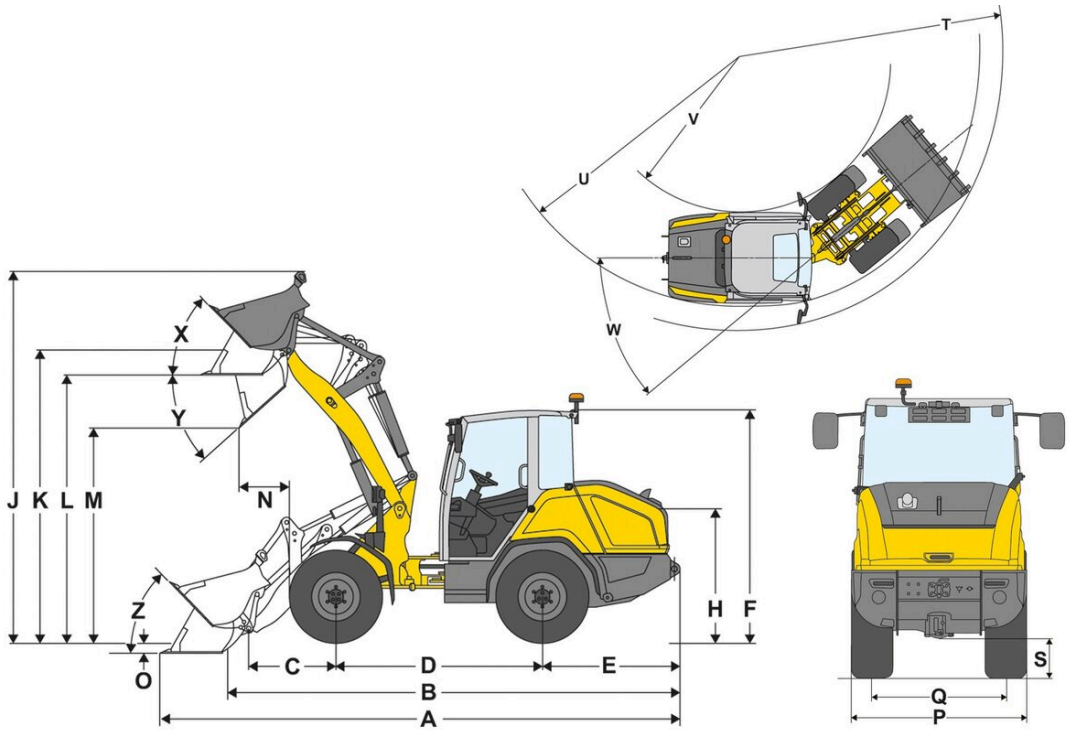
Other information

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

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Dimensions



A	Total length	224.6 in
B	Total length without bucket	191.1 in
C	Bucket pivot point (to center of axle)	44.1 in
D	Wheel base	84.6 in
E	Rear overhang	56.5 in
F	Height with cab	98.8 in
H	Seat height	58.5 in
J	Total working height	169.5 in
K	Bucket pivot point (max. lift height)	134.8 in
L	Load-over height	125.0 in
M	Dumping height	100.2 in
N	Reach (at M)	34.6 in
O	Digging depth	4.1 in
P	Total width	72.0 in
Q	Track width	55.9 in
S	Ground clearance	14.4 in
T	Maximum external radius	175.2 in
U	Radius on the outer edge	157.1 in
V	Inner radius	81.5 in
W	Articulation angle	40 °
X	Rollback angle at max. lift height	65 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	45 °

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