WL250

Wheel Loader

Compact and powerful

The WL250 wheel loader has an overall lower height and compact dimensions. As a result, the machine can pass through clearance heights of below 78.74 in without the need to fold down the operator's canopy. The machine's low center of gravity ensures very good stability and allows the handling of heavy loads. The wheel hub drive also includes the powerful and efficient drive concept, with which all four wheels are directly driven. This purely hydraulic wheel hub drive ensures an increase in efficiency, excellent acceleration, and therefore enables a responsive driving behavior as well as high thrust power.

Highlights

- Powerful wheel hub drive
- Construction height under {2 m}{78.7 in}
- Compact dimensions for optimal maneuverability
- Easy entry and exit
- Engine without exhaust after-treatment

Technical Data

Standard engine data

Engine manufacturer	Perkins
Motor type	403 J-17
Cylinder	3
Drive output	18.4 kW
Drive output	24.7 HP
at max. rpm	2,800 rpm
Cylinder capacity	101.48 in³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	-

Electrical system

Operating voltage	12 V
Battery	77 Ah
Alternator	85 A

Weights

Bucket capacity (standard bucket)	7.42 ft³
Operating weight	3,968 - 4,960 lb
Thrust force (max.)	2,069 - 2,582 daN
Lift capacity (max.)	1,779 - 2,395 daN
Tipping load with bucket – machine straight, loading frame horizontal	2,557 - 3,726 lb
Tipping load with bucket – machine pivoted, loading frame horizontal	2,161 - 3,175 lb
Tipping load with pallet fork – machine straight, loading frame horizontal	1,962 - 2,778 lb
Tipping load with pallet fork – machine pivoted, loading frame horizontal	1,631 - 2,381 lb

Driver's cab

Driver's cab	FSD (cabin)

Filling levels

Tank capacity for fuel	4.8 US gal
Tank capacity for hydraulic oil	4.8 US gal

Drive system

drive unit	Hydrostatic via four wheel hub motors
Speed levels	1
Travel speed Standard	0-12.43 mph
Operating brake	Hydrostatic drive system acting on all 4 wheels
Parking brake	Electro-hydraulic multi-disc brake on the rear axle

Hydraulic system

Drive hydraulics working pressure (max.)	6,092 psi
Work hydraulics discharge volume (max.)	11.8 gpm
Work hydraulics working pressure (max.)	2,683 psi

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Kinematics

Kinematics type	P
Lifting cylinder	2
Tipping cylinder	1
Quick change system	hydraulic

Steering

Steering type	hydraulically activated articulated pendulum steering
Steering cylinder	1
Oscillating angle	± 8 degree

Noise characteristic values

Average sound power level LwA (operator's canopy)	99.4 dB(A)
Guaranteed sound power level LwA (operator's canopy)	101 dB(A)
Specified sound pressure level LpA (operator's canopy)	84 dB(A)
Average sound power level LwA (cabin)	99.4 dB(A)
Guaranteed sound power level LwA (cabin)	101 dB(A)
Specified sound pressure level LpA (cabin)	80 dB(A)

Other information

FSD = Fahrerschutzdach
EPS = Easy Protection System (klappbares Fahrerschutzdach)
DPF = Dieselpartikelfilter
DOC = Dieseloxidationskatalysator
Kipplastberechnung nachISO 14397

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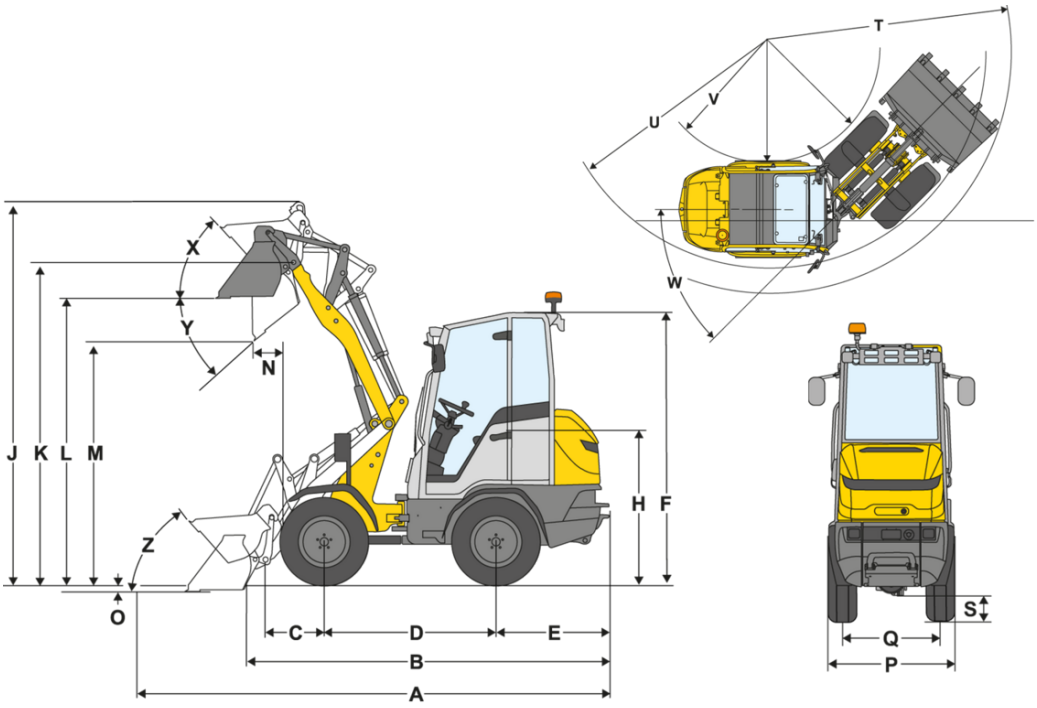
Dimensions



A	Total length	150.8 in
B	Total length without bucket	127.6 in
C	Bucket pivot point (to center of axle)	19.9 in
D	Wheel base	65.7 in
E	Rear overhang	37.6 in
F	Height with operator's canopy (fixed)	78.0 in
	Height with cab	78.3 in
H	Seat height	39.4 in
J	Total working height	120.1 in
K	Bucket pivot point (max. lift height)	98.8 in
L	Load-over height	87.4 in
M	Dumping height	70.5 in
N	Reach (at M)	3.1 in
O	Digging depth	4.7 in
P	Total width	38.6 in
Q	Track width	30.0 in
S	Ground clearance	8.2 in
T	Maximum radius	122.0 in
U	Radius on the outer edge	107.5 in
V	Inner radius	63.4 in
W	Articulation angle	43 °
X	Rollback angle at max. lift height	49 °
Y	Dumping angle	45 °
Z	Rollback angle on ground	48 °

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