



WL 50

Wheel Loaders: bucket capacity 0.7-1.8 m³

WL 50 Articulated Wheel Loader

The WL 50 offers high payloads to provide better breakout force and lifting capacities. Its ergonomic design enhances operator comfort and improves productivity. Operating elements, including a multifunctional single lever control and an additional lever for third control circuit, are conveniently arranged next to the driver's seat for easy operation. Driver's cab features excellent visibility and an infinitely adjustable steering column. This unit features a hydraulically operated centrally-articulated pendulum steering system. The WL 50 provides a tight turning radius for added maneuverability in small areas.

- 100% on demand differential lock provides the operator with superior traction in slippery wet conditions or when driving into a pile of material.
- PZ kinematics system ensures that power and speed are always optimum when raising and lowering the lift arms.
- Excellent service access with tiltable cab and engine hood that opens 90-degrees, allowing full access to all engine and hydraulic components.
- Economical 74 hp turbo charged Deutz engine provides the necessary power to complete the most demanding jobs.
- Hydraulic quick-hitch system and standard auxiliary hydraulics allow for efficient changing from one attachment to another.

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Technical specifications

Engine / Motor

Engine / Motor manufacturer	Deutz
Engine / Motor type	TD2011 L04w
Cylinder	4
Engine performance	74 hp
at rpm maximum	2,300 rpm
Displacement	221 in ³
Coolant type	Water

Operating data and Weights

Operating weight	10,660 lb
Speed Level 1	0-4.6 mph
Speed Level 2	0-12.4 mph
Bucket capacity Standard bucket	0.98 yd ³
Lifting force maximum	9,761 lb
Breakaway force maximum	7,713 lbf
Tipping load with bucket - machine straight	6,867 lb
Tipping load with bucket - machine at angle	5,609 lb
Tipping load with pallet fork - machine straight	5,708 lb
Tipping load with pallet fork - machine at angle	4,665 lb
Tipping load with bucket - machine at angle (40°)	5,767 lb
Tipping load with pallet fork - machine at angle (40°)	4,797 lb

Hydraulic system

Driving hydraulics - operating pressure	6,454 psi
Driving hydraulics - discharge capacity	34 US gpm
Operating hydraulics - operating pressure	3,336 psi
Operating hydraulics - discharge capacity	17 US gpm



Filling capacities

Tank capacity (fuel)	24 US gal
Engine oil	11.1 US qt
Hydraulic oil tank	84.5 US qt
Hydraulic system	105.7 US qt
Coolant	10.6 US qt
Front axle	4.4 US qt
Rear axle	5.2 US qt

Electrical system

Operating voltage	12 V
Battery	95 Ah
Alternator	95 A
Cabin - specified sound pressure level LpA	78 dB(A)
Sound level (LwA)	101 dB(A)

Standard bucket = digging bucket, width 1900 mm



Dimensions



A	Overall length	213 in
B	Overall length without bucket	179 in
C	Bucket pivot point to axle center	40.6 in
D	Wheelbase	78.9 in
E	Rear overhang	57 in
F	Height with cab	102.4 in
H	Seat height	61.5 in
J	Total operating height	161 in
K	Bucket pivot point max.stroke height	131.3 in
L	Overhead loading height	121.8 in
M	Dumping height	101.1 in
N	Range at M	28.5 in
O	Scraping depth	2 in
P	Overall width	72.4 in
Q	Track width	55.1 in
S	Ground clearance	14.8 in
T	Radius maximum	153.9 in
U	Radius at outer edge	135.8 in
V	Inside turning radius	60.9 in
W	Articulation angle	44 °
X	Reverse roll angle at max.stroke height	45 °
Y	Tip-out angle maximum	38 °
Z	Reverse roll angle at ground level	43 °

Information on suitable accessories can be found on our website.

The right to make changes is reserved in the interests of ongoing further developments. You can find more information on the engine power in the operator's manual. The actual power output figures may vary due to specific operating conditions.

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