



WL70

Wheel Loader

The powerhouse

Thanks to cutting-edge engine technology in accordance with the most current emission standard, the WL70 wheel loader offers an extremely efficient but still high-performance engine, making this machine a powerhouse in application. This is supported by a very sturdy load arm design. Lift height and engine output are at the top of the 7 t wheel loader class. This makes quick and efficient material handling possible. The 40 km/h option also allows the machine to be relocated quickly and is thus flexible and efficient in application.



Highlights

- {30/40 km/h}{18.64/24.85 mph} speed
- The wheel loader as an attachment carrier
- Clear 3.5-inch digital display
- Comfortable working environment
- Joystick console spring-mounted on the operator's seat

Technical Data

■ Standard engine data

Engine manufacturer	Perkins
Motor type	904J-E36TA
Cylinder	4
Drive output	100 kW
Drive output	136 PS
at max. rpm	2,200 U/min
Cylinder capacity	3,621 cm ³
Type of coolant	Water/charge air
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF/SCR

■ Electrical system

Operating voltage	12 V
Battery	135 Ah
Alternator	85 A

■ Weights

Bucket capacity (standard bucket)	1.10 m ³
Operating weight	7,140 kg
Tipping load with bucket – machine straight, loading frame horizontal	4,762 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	3,926 kg

Tipping load with pallet fork – machine straight, loading frame horizontal	4,254 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	3,559 kg

■ Driver's cab

Driver's cab	Cab
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■ Filling levels

Tank capacity for fuel	105 l
Tank capacity for hydraulic oil	95 l
Tank capacity for urea solution	19 l

■ Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	PA 1422/2
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Travel speed Option 2	0-40 km/h
Operating brake	Disc brake (combined with parking brake)
Parking brake	Service and parking brake in the drive train acts on all 4 wheels
Differential lock	100 % front axle + rear axle

■ Hydraulic system

Drive hydraulics working pressure (max.)	455 bar
Work hydraulics discharge volume (max.)	100 (115-150) l/min
Work hydraulics working pressure (max.)	210 bar

■ Kinematics

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

■ Steering

Steering type	hydraulically activated articulated pendulum steering
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Steering cylinder	2
Oscillating angle	±12 degree

■ Noise characteristic values

Average sound power level LwA (cabin)	101.4 dB(A)
Guaranteed sound power level LwA (cabin)	103 dB(A)
Specified sound pressure level LpA (cabin)	74 dB(A)

■ Other information

FSD = overhead guard
 DPF = diesel particulate filter
 DOC = diesel oxidation catalyst
 SCR = selective catalytic reduction
 Tipping load calculation pursuant to ISO 14397

Dimensions



A	Total length	5,898 mm
B	Total length without bucket	4,780 mm
C	Bucket pivot point (to center of axle)	991 mm
D	Wheel base	2,150 mm
E	Rear overhang	1,676 mm
F	Height with cab	2,693 mm
H	Seat height	1,609 mm
J	Total working height	4,536 mm
K	Bucket pivot point (max. lift height)	3,686 mm
L	Load-over height	3,375 mm
M	Dumping height	2,840 mm
N	Reach (at M)	850 mm
O	Digging depth	74 mm
P	Total width	1,829 mm
Q	Track width	1,422 mm
S	Ground clearance	375 mm
T	Maximum radius	4,341 mm
U	Radius on the outer edge	3,686 mm
V	Inner radius	1,666 mm
W	Articulation angle	42 °
X	Rollback angle at max. lift height	33 °
Y	Dumping angle	33 °
Z	Rollback angle on ground	39 °