

WL20

Wheel Loader

Agile in the most confined spaces

The Wacker Neuson WL20 wheel loader can be used with great versatility – even in the narrowest passageway. And not only that: even in confined spaces, the wheel loader delivers first-class work results, impressive down the line. Beside high levels of working comfort and outstanding safety standards, the WL20 wheel loader offers exceptional maneuverability, off-road capability and speed, saving space in application.

MAT: 1000289510

Highlights

- Tiltable cabin and optimal service access
- The wheel loader as an attachment carrier
- EPS folding overhead guard (Easy Protection System)
- Maximum traction thanks to articulated pendulum joint
- Selectable operator's cab

Technical Data

Standard engine data

Engine manufacturer	Perkins
Motor type	403 J-11
Cylinder	3
Drive output	18.4 kW
Drive output	25 PS
at max. rpm	2,800 U/min
Cylinder capacity	1,131 cm³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	-

Electrical system

Operating voltage	12 V
Battery	77 Ah
Alternator	40 A

Weights

Bucket capacity (standard bucket)	0.19 m³
Operating weight	2,000 - 2,140 kg
Tipping load with bucket – machine straight, loading frame horizontal	1,220 - 1,440 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	980 - 1,210 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	900 - 970 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	720 - 870 kg

Driver's cab

Driver's cab	FSD (EPS, cabin)

Filling levels

Tank capacity for fuel	20 l
Tank capacity for hydraulic oil	20 l

Drive system

Type of drive	Hydrostatic
drive unit	universal joint shaft
Speed levels	2
Axle	T80 (T94)
Travel speed Standard	0-20 km/h
Operating brake	Hydrostatic drive system acting on all 4 wheels (wear-free)
Parking brake	Service and parking brake in the drive train
Differential lock	100% VA + HA (option)

Hydraulic system

Drive hydraulics working pressure (max.)	450 bar

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Work hydraulics discharge volume (max.)	30,8 l/min
Work hydraulics working pressure (max.)	225 bar

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	± 12 degree

Noise characteristic values

Average sound power level LwA (operator's canopy)	99 dB(A)
Guaranteed sound power level LwA (operator's canopy)	101 dB(A)
Specified sound pressure level LpA (operator's canopy)	84 dB(A)

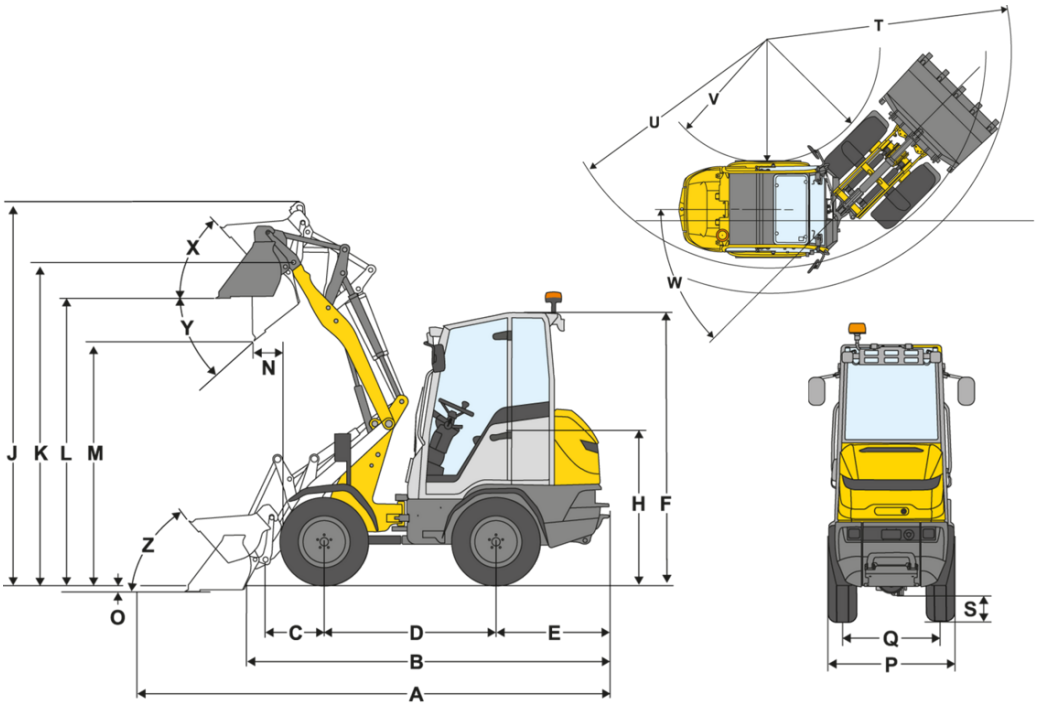
Other information

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

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Dimensions



A	Total length	3,721 mm
B	Total length without bucket	3,063 mm
C	Bucket pivot point (to center of axle)	508 mm
D	Wheel base	1,468 mm
E	Rear overhang	975 mm
F	Height with operator's canopy (fixed)	2,189 mm
	Height with fold-down operator's canopy (EPS)	2,293 mm
F	Height with fold-down operator's canopy (EPS), folded down	1,880 mm
	Height with lowerable operator's canopy (EPS Plus)	2,195 mm
F	Height with lowerable operator's canopy (EPS Plus), lowered	1,901 mm
	Height with cab	2,302 mm
H	Seat height	1,225 mm
J	Total working height	3,274 mm
K	Bucket pivot point (max. lift height)	2,693 mm
L	Load-over height	2,424 mm
M	Dumping height	2,011 mm
N	Reach (at M)	350 mm
O	Digging depth	94 mm
P	Total width	1,076 mm
Q	Track width	810 mm
T	Maximum external radius	2,681 mm
U	Radius on the outer edge	2,356 mm
V	Inner radius	1,219 mm
W	Articulation angle	45 °
X	Rollback angle at max. lift height	50 °
Y	Dumping angle	38 °
Z	Rollback angle on ground	48 °

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