



WL20e

Wheel Loader

Electric, practical, emission-free

The WL20e is the first exclusively electric-powered wheel loader by Wacker Neuson. Its performance characteristics correspond to those of a conventional diesel-powered machine. The installed 48-volt lithium-ion battery is optionally available in three power levels, so that running and charging times can be optimally matched to the work requirements. The WL20e works fully emissions-free on site and with significantly lower noise pollution. For the end user, this means greater flexibility in application, environmental protection and significant savings on operating costs.

Highlights

- Innovative technology, proven in the field
- Powerful lithium-ion battery
- Easy charging options
- Comfortable cab
- EPS folding overhead guard (Easy Protection System)

Technical Data

■ Standard battery

Batterietechnologie	Lithium-ion
Batteriespannungsklasse	48 V
Batteriekapazität	14.1 kWh
Battery weight	132 kg
Onboard Ladeleistung (max.)	3 kW
Ladezeit (0-100%)	4 - 6* h
Ladezeit (20-80%)	2,9* h
Laufzeit bis zu	3,27** h

■ Battery Option 1

Batterietechnologie	Lithium-ion
Batteriespannungsklasse	48 V
Batteriekapazität	18.7 kWh
Battery weight	148 kg
Onboard Ladeleistung (max.)	6 kW
Ladezeit (0-100%)	3 - 8* h
Ladezeit (20-80%)	1,9* h
Laufzeit bis zu	5,07** h

■ Battery Option 2

Batterietechnologie	Lithium-ion
---------------------	-------------

Batteriespannungsklasse	48 V
Batteriekapazität	23.4 kWh
Battery weight	165 kg
Onboard Ladeleistung (max.)	6 kW
Ladezeit (0-100%)	4 - 10* h
Ladezeit (20-80%)	2,4* h
Laufzeit bis zu	7,30** h

■ Electric motor

Motor Fahrtrieb (EN60034-1)	6,5 kW
Motor work hydraulics (EN60034-1)	8.5 kW

■ Electrical system

Operating voltage	12 V
-------------------	------

■ Weights

Bucket content (standard bucket)	0.19 m ³
Operating weight	2,170 - 2,350 kg
Tipping load with bucket – machine straight, loading frame horizontal	1,550 - 1,620 kg
Tipping load with bucket – machine pivoted, loading frame horizontal	1,210 - 1,320 kg
Tipping load with pallet fork – machine straight, loading frame horizontal	1,110 - 1,160 kg
Tipping load with pallet fork – machine pivoted, loading frame horizontal	860 - 940 kg

■ **Filling levels**

Tank capacity for hydraulic oil	20 l
---------------------------------	------

■ **Drive system**

Travel speeds increase/reduction	1
axle	T80
Travel speed Standard	0-15 km/h

■ **Hydraulic system**

Work hydraulics discharge volume (max.)	32 l/min
Work hydraulics working pressure (max.)	225 bar

■ **Kinematics**

Kinematics type	P
Lifting cylinder	2

Tipping cylinder	1
------------------	---

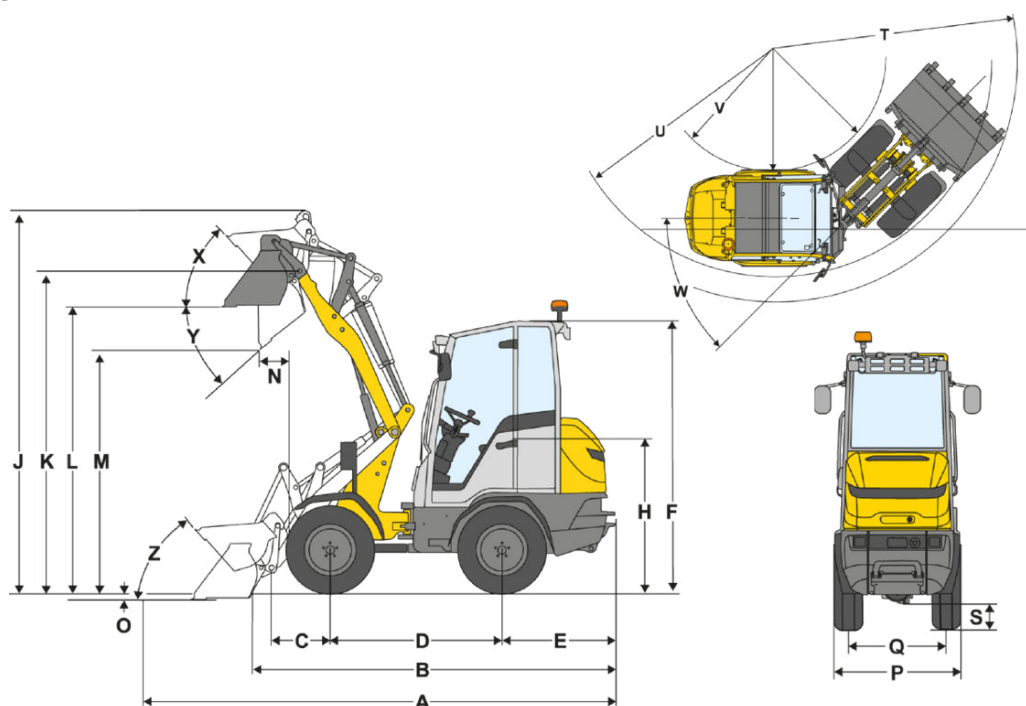
■ **Steering**

Steering cylinder	1
Oscillating angle	± 12 degree

■ **Noise characteristic values**

Gemittelter Schallleistungspegel LwA (Fahrschutzdach)	85.1 dB(A)
Garantierter Schallleistungspegel LwA (Fahrschutzdach)	87 dB(A)
Angegebener Schalldruckpegel LpA (Fahrschutzdach)	76 dB(A)
Gemittelter Schallleistungspegel LwA (Kabine)	85.1 dB(A)
Garantierter Schallleistungspegel LwA (Kabine)	87 dB(A)
Angegebener Schalldruckpegel LpA (Kabine)	75 dB(A)

Dimensions



A	Total length	3,697 mm
B	Total length without bucket	3,061 mm
C	Bucket pivot point (to center of axle)	509 mm
D	Wheel base	1,468 mm
E	Rear overhang	971 mm
F	Height with operator's canopy (fixed)	2,259 mm
	Height with fold-down operator's canopy (EPS)	2,336 mm
	Height with fold-down operator's canopy (EPS), folded down	1,939 mm
	Height with cab	2,301 mm
H	Seat height	1,292 mm
J	Total working height	3,248 mm
K	Bucket pivot point (max. lift height)	2,710 mm
L	Load-over height	2,436 mm
M	Dumping height	2,017 mm
N	Reach (at M)	296 mm
O	Digging depth	83 mm
P	Total width	1,052 mm
Q	Track width	804 mm
S	Ground clearance	219 mm
T	Maximum radius	2,645 mm
U	Radius on the outer edge	2,379 mm
V	Inner radius	1,205 mm
W	Articulation angle	45 °
X	Rollback angle at max. lift height	50 °
Y	Dumping angle	40 °
Z	Rollback angle on ground	49 °