



WL20e

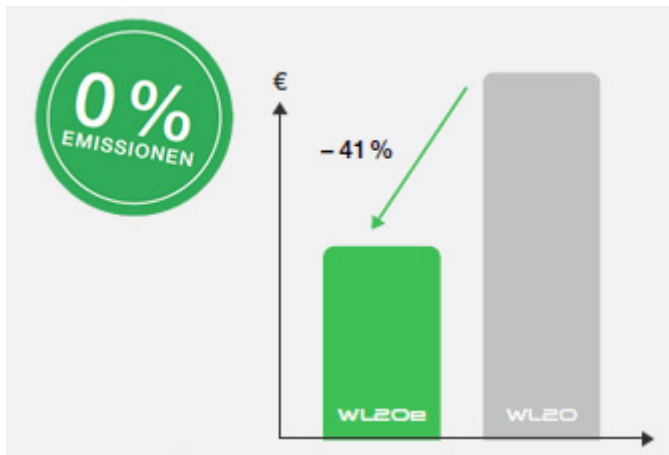
Articulated Wheel Loaders



Innovative, electric, emission-free: WL20e – the Wheel Loader with electric drive

The WL20e is the first fully electrically driven wheel loader model in the Wacker Neuson product range. Like all our other wheel loaders the WL20e convinces with its excellent performance. Two powerful electric motors provide operating performance attributes that are comparable to conventional machines. One motor provides the traveling drive, the other runs the working hydraulics. The WL20e operates completely emission-free and with significantly lower noise emissions. This means greater flexibility for the operator, environmental protection and significant savings in operating costs.

- 100% emission free and wireless battery-drive
- Up to 5 hours runtime
- Comparable performance as conventional wheel loaders
- Up to 41% operating cost savings and lowered expenses for maintenance and service-intervals
- Significantly lower noise emissions



Operating costs* for the WL20e:

The 20% higher investment costs are amortized with an average machine service life after about 2,800 operating hours.

*Taken into consideration are energy and service costs as well as a battery replacement for the WL20e after about 1,200 charging cycles.



Easy charging:

connect the battery with the charger via cable.

CO₂ emissions, noise and soot particles in buildings - that was yesterday! The WL20e banishes emissions from your daily work.

A lead-acid battery drives the WL20e to peak performance and requires only a power supply with 400 volts.



A choice of 2 optional batteries:

Runtime of 2 to 5 hours depending on the application.

The running times of the battery are strongly dependent on the respective application conditions, the job and the driving style. This may also mean that a longer running time can be achieved.

The specified running times may also fall short in extreme cases.

An interrupted operation (e.g. 30 min. driving, 30 min. standstill) prolongs the running time of the battery.



Battery status at a glance:

The current charging status of the battery is always displayed right in the face of the operator.



Wheel Loader expertise down to the last detail.



Up to 5 hours running time

are possible with the fully charged, optionally available stronger battery. The running time is strongly dependent on the respective application and thus may vary.



Innovative, electric, emission-free

State-of-the-art technology for sustainability at construction sites. The emission-free operation is perfect for working in inner-city areas as well as in interior spaces.



Maneuverable even in the smallest corners

Due to the articulated pendulum joint, the machine is extremely maneuverable and always has good traction, even in uneven ground conditions.



ECO-Seal

Wacker Neuson distinguishes particularly economical and environmentally-friendly products with the ECO seal.



Working comfortable

The spacious design and amenities of our wheel loader cabs offer plenty of user friendly comfort.



Numerous connections and attachments

Bring your Wheel Loader to its optimum benefit according to your needs by using the various hydraulic connections and attachments.



The electric wheel loader WL20e was awarded Gold as part of the innovation competition at the demopark+demogolf trade fair 2015 in Eisenach, Germany



The wheel loader WL20e was among the six finalists of the eCarTec Award 2015 for electric mobility in the category of "Electric Vehicles".

Technical specifications

Engine / Motor

Travel drive motor - capacity S2 (60 min.)	6.5 kW
Lifting motor - capacity S3 (15%)	9 kW



Electrical system

Weights

Operating weight	2,350 kg
Breakaway force max.	2,170 daN
Tipping load with bucket—equipment straight	1,348 kg
Tipping load with pallet fork—equipment straight	1,089 kg

Vehicle data

Bucket capacity (standard bucket)*	0.2 m ³
Traction drive	electrically via universal joint shaft
Drivers cab (optional)	FSD (eps)
Speed	0 - 15 km/h
Speed Level	1

Hydraulic system

Operating hydraulics - operating pressure	225 bar
Operating hydraulics - discharge capacity	32 l/min

Filling capacities

Hydraulic oil tank	18.5 l
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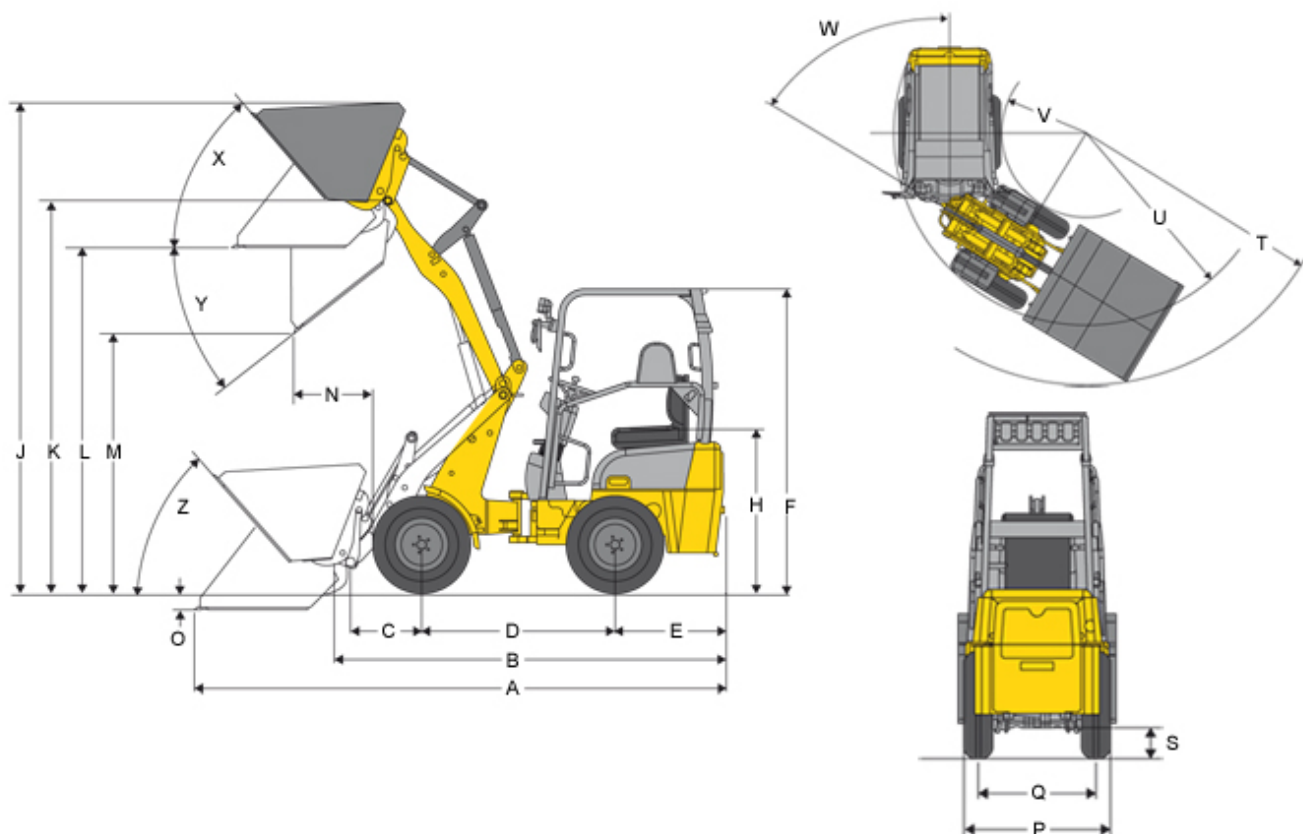
Sound level

Average sound power level L _{WA}	91.8 dB(A)
Guaranteed sound power level L _{WA}	92 dB(A)
Specified sound pressure level L _{pA}	76 dB(A)

*Standard bucket = earth bucket, 1,150 mm width **The running times of the battery are strongly dependent on the respective application conditions, the job and the driving style. This may also mean that a longer running time can be achieved. The specified running times may also fall short in extreme cases. An interrupted operation (e.g. 30 min. driving, 30 min. standstill) prolongs the running time of the battery.



Dimensions



Standard tires	27 x 10.5-15 EM ET-5
A Overall length mm	3,721
B Overall length without bucket mm	3,063
C Bucket pivot point to axle center mm	508
D Wheelbase mm	1,468
E Rear overhang mm	975
F Height with driver's canopy mm	2,209
H Seat height mm	1,245
J Total operating height mm	3,294
K Stroke height max. - bucket pivot point mm	2,713
L Overhead loading height mm	2,444
M Dumping height mm	2,031
N Range at M mm	330



O	Scraping depth mm	94
P	Overall width mm	1,076
Q	Track width mm	810
S	Ground clearance mm	207
T	Radius maximum mm	2,681
U	Radius at outer edge max. mm	2,356
V	Inside turning radius mm	1,219
W	Articulation angle °	45
X	Reverse roll angle at max. stroke height °	50
Y	Tip-out angle max. °	38
Z	Reverse roll angle at ground level °	48

All measures with standard bucket: earth bucket 1150 mm, 0.2 m³ and standard tyres: 27 x 10.5-15 EM ET-5

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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