



WL20e

Articulated Wheel Loaders



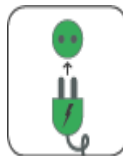
Innovative, electric, emission-free: WL20e – the wheel loader with electric drive

The WL20e wheel loader model is the first purely electrically operated wheel loader from Wacker Neuson. As with all of our wheel loaders, it convinces through first-class performance. Two electric engines, one for the drive system and one for the work hydraulics, ensure that the performance features of the WL20e correspond to those of the conventional machine. At the same time, the wheel loader works completely exhaust free and with significantly lower noise emissions. For the end user, this means greater flexibility in application, environmental protection and significant savings with operating costs.

- 100% emission-free thanks to wireless battery drive system
- Up to five hours of running time
- Comparable performance as with conventional wheel loaders
- Up to 41% savings in operating costs as well as cost advantages in maintenance and in the service intervals
- Significantly lower noise pollution



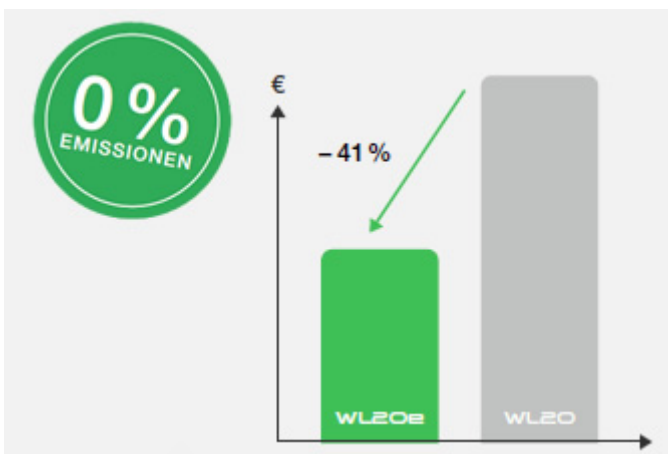
savings operating costs:
ca. 40 %



charging time:
ca. 8 h



run time:
up to 5 h





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all it takes!

Operating costs* for the WL20e:

The 20% higher investment costs are amortized with an average machine service life of . 2,800 hours of operation.

*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:

Everywhere charging: with the onboard charger at every 230V socket.

Charging in-between gets even more effective, it can be charged anywhere and anytime.

Over-night charging: in 6-8 hours the battery is fully charged.



The new AGM battery technology (Absorbent Glass Matt):

Virtually maintenance-free.



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Flexible intermediate charges are more efficiently through higher power flows and improved power consumption.

Charger "Onboard"! - Easy handling due to charge on common 230 V socket.

Extremely safe handling - no leakage possible, no explosive gas formation.

Low sensitivity to high or low outdoor temperatures.



Always in view:

The charge level of the battery is continuously indicated on the display.

Wheel loader expertise down to the last detail.



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Up to 5 hours of





ly available more powerful battery. The running time greatly depends on the type of application and can therefore vary.



ECO seal

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



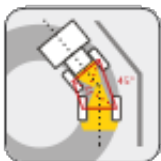
Innovative, electric, emission-free

The latest technology for sustainability in construction. Due to the emission-free drive system, it is perfect for applications in the urban sector as well as indoors.



Comfortable working area

The cabins and operator's canopies of our wheel loaders offer plenty of comfort due to their spacious design and outfitting details.



Maneuverable into the smallest angles

Due to the articulated pendulum joint, the machines are extremely maneuverable and always have good traction, even in uneven ground conditions.



Numerous connections for attachments

Use the wheel loaders from Wacker Neuson as you need them – the matching hydraulic connections make it possible.

Awards



demopark+demogolf 2015

The electric wheel loader WL20e from Wacker Neuson was awarded gold as a part of the innovation competition at the demopark+demogolf trade fair 2015 in Eisenach, Germany.



eCarTec Nominated 2015



The wheel loader WL20e was among the six finalists for the award of the eCarTec Awards 2015 for electromobility in the category of "Electric Vehicles."

European Rental Award 2016



The electric wheel loader WL20e reached the short list of the European Rental Awards in the "Rental Product of the Year" category. The jury highly recommended the wheel loader and praised the market-friendly solution from Wacker Neuson.

Plantworx Award 2017



The electric wheel loader WL20e has been awarded "Highly Commended" in the Environmental Innovation category of the Plantworx Innovation Awards 2017.





Technical specifications

WL20e

Engine / Motor	
Travel drive motor - capacity S2 (60 min.)	6.5 kW
Lifting motor - capacity S3 (15%)	9 kW
Electrical system	
Operating voltage	12 V
Weights	
Operating weight	2,350 kg
Tipping load with bucket - machine straight	1,509 kg
Tipping load with bucket - machine at angle	1,251 kg
Tipping load with pallet fork - machine straight	1,112 kg
Tipping load with pallet fork - machine at angle	916 kg
Vehicle data	
Bucket capacity Standard bucket	0.2 m ³
Traction drive	electrically via universal joint shaft
Axles	T80
Drivers cab (optional)	FSD (EPS, EPS Plus)
Speed	0 - 15 km/h
Speed Level	1
Standard tires	27 x 10.50-15 EM ET-5
Hydraulic system	
Operating hydraulics - operating pressure	225 bar
Operating hydraulics - discharge capacity	32 l/min
Filling capacities	
Hydraulic oil tank	18.5 l
Hydraulic system	37 l

Standard bucket = digging bucket, 1,500 mm width

FSD = operator's canopy

EPS = Easy Protection System (fold-down operator's canopy)

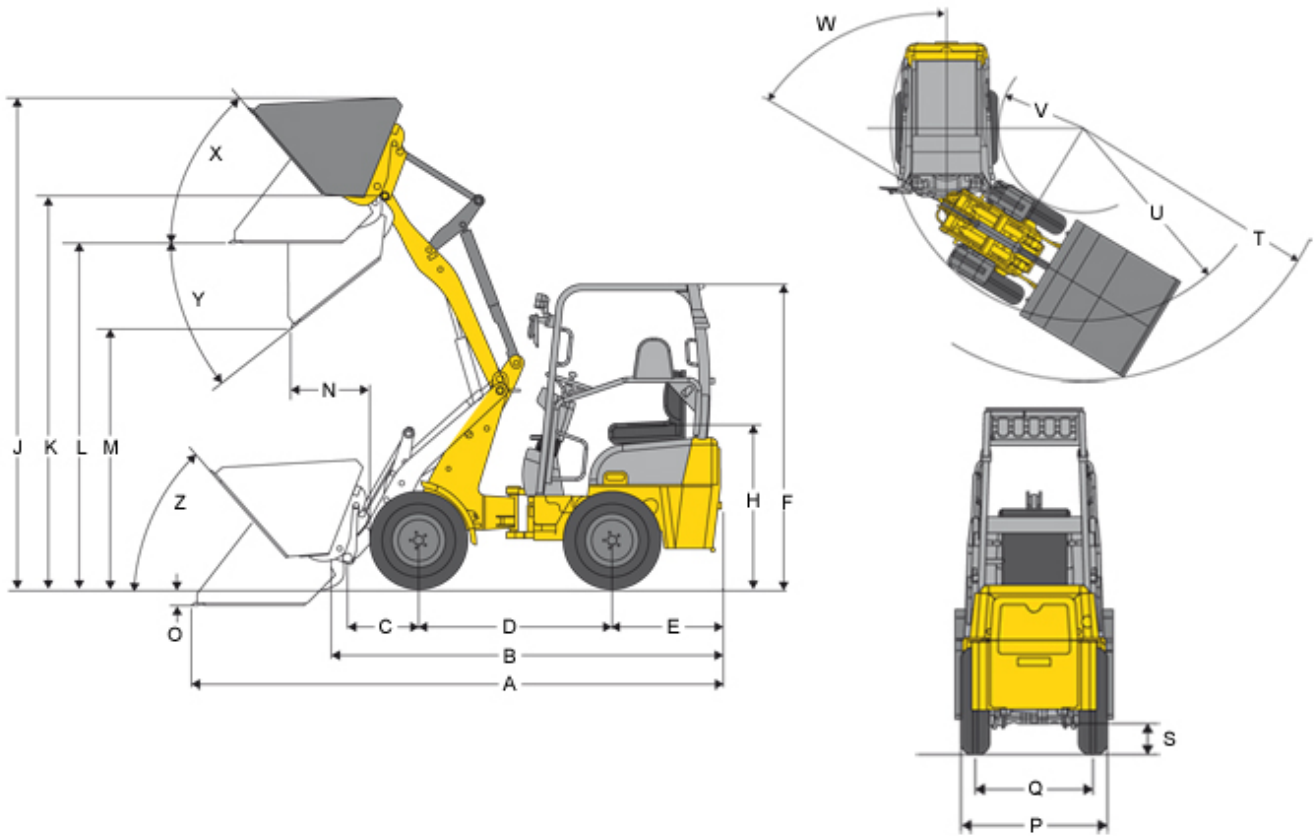
EPS Plus = Easy Protection System Plus (hydraulically lowerable operator's canopy)

Tipping load calculation according to ISO 14397-EN474-3

*The running times of the battery are strongly dependent on the respective application conditions, the task and the driving style. This may also mean that a longer running time can be achieved. The specified running times may also be fallen short of 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	3,721 mm
B	Overall length without bucket	3,063 mm
C	Bucket pivot point to axle center	508 mm
D	Wheelbase	1,468 mm
E	Rear overhang	975 mm
F	Height With operator's canopy	2,209 mm
F	Height With fold-down operator's canopy (EPS)	2,351 mm
F	Height With fold-down operator's canopy (EPS), folded-down	1,928 mm
F	Height With lowerable operator's canopy (EPS Plus)	2,255 mm



F	Height With lowerable operator's canopy (EPS Plus), lowered	1,961 mm
H	Seat height	1,245 mm
J	Total operating height	3,294 mm
K	Stroke height max. - bucket pivot point	2,713 mm
L	Overhead loading height	2,444 mm
M	Dump height max.	2,031 mm
N	Range with M	330 mm
O	Scraping depth	74 mm
P	Overall width	1,076 mm
Q	Track width	810 mm
S	Ground clearance	207 mm
T	Radius maximum	2,681 mm
U	Radius at outer edge max.	2,356 mm
V	Inside turning radius	1,219 mm
W	Articulation angle	45 °
X	Bucket rollback at max. stroke height	50 °
Y	Dump angle Maximum	38 °
Z	Bucket rollback at ground level	48 °

All values with standard bucket: Digging bucket 1,150 mm, 0.2 m³ and standard tires: 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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