



WL300e

Wheel Loader

Electric, practical, powerful

The WL300e expands the zero emission portfolio of compact electric wheel loaders from Wacker Neuson. The built-in 48-volt lithium-ion battery is available in three power levels, so that running and charging times can be optimally adapted to the work requirements. The WL300e works on site completely exhaust-free and with significantly lower noise emissions. For the user, this means greater flexibility in use, environmental protection and significant savings in operating costs. The optionally available low front carriage in combination with a short loading arm ensure an excellent overview and a significantly increased tipping load.

Highlights

- Low front end and short loading swing arm
- The wheel loader as an attachment carrier
- Innovative technology, proven in the field
- Powerful lithium-ion battery
- Easy charging options

Technical Data

■ Standard battery

Battery technology	Lithium-ion	Battery voltage class	48 V
Battery voltage class	48 V	Battery capacity	23.4 kWh
Battery capacity	14.1 kWh	Battery weight	165 kg
Battery weight	132 kg	On-board charging capacity (max.)	6 kW
On-board charging capacity (max.)	3 kW	Loading time (0-100%)	4 - 10* h
Loading time (0-100%)	4 - 6* h	Loading time (20-80%)	2,4* h
Loading time (20-80%)	2,9* h	Running time up to	6,64** h
Running time up to	2,98** h		

■ Battery Option 1

Battery technology	Lithium-ion	■ Electric motor	
Battery voltage class	48 V	Motor traction drive (EN60034-1)	6,5 kW
Battery capacity	18.7 kWh	Motor work hydraulics (EN60034-1)	8.5 kW
Battery weight	148 kg		
On-board charging capacity (max.)	6 kW	■ Electrical system	
Loading time (0-100%)	3 - 8* h	Operating voltage	12 V
Loading time (20-80%)	1,9* h	■ Weights	
Running time up to	4,61** h	Bucket capacity (standard bucket)	0.30 m ³

■ Battery Option 2

Battery technology	Lithium-ion	Tipping load with bucket – machine straight, loading frame horizontal	1,650 - 2,270 kg
		Tipping load with bucket – machine pivoted, loading frame horizontal	1,360 - 1,910 kg
		Tipping load with pallet fork – machine straight, loading frame horizontal	1,290 - 1,690 kg
		Tipping load with pallet fork – machine pivoted, loading frame horizontal	1,060 - 1,420 kg

■ Driver's cab

Driver's cab	FSD (EPS, cabin)
--------------	------------------

■ Filling levels

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

■ Drive system

Type of drive	Electrical
---------------	------------

drive unit	universal joint shaft
------------	-----------------------

Speed levels	1
--------------	---

Axle	T80
------	-----

Travel speed Standard	0-15 km/h
-----------------------	-----------

Operating brake	Drum brake acting on all four wheels
-----------------	--------------------------------------

Parking brake	Electrical
---------------	------------

■ Hydraulic system

Work hydraulics discharge volume (max.)	36 l/min
---	----------

Work hydraulics working pressure (max.)	225 bar
---	---------

■ Kinematics

Kinematics type	P
-----------------	---

Lifting cylinder	1
------------------	---

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

Quick change system	hydraulic
---------------------	-----------

■ Steering

Steering type	hydraulically activated articulated pendulum steering
---------------	---

Steering cylinder	1
-------------------	---

Oscillating angle	± 10 degree
-------------------	-------------

■ Noise characteristic values

Average sound power level LwA (operator's canopy)	82.9 dB(A)
---	------------

Guaranteed sound power level LwA (operator's canopy)	85 dB(A)
--	----------

Specified sound pressure level LpA (operator's canopy)	68 dB(A)
--	----------

Average sound power level LwA (cabin)	82.9 dB(A)
---------------------------------------	------------

Guaranteed sound power level LwA (cabin)	85 dB(A)
--	----------

Specified sound pressure level LpA (cabin)	70 dB(A)
--	----------

■ Other information

FSD = operator's canopy

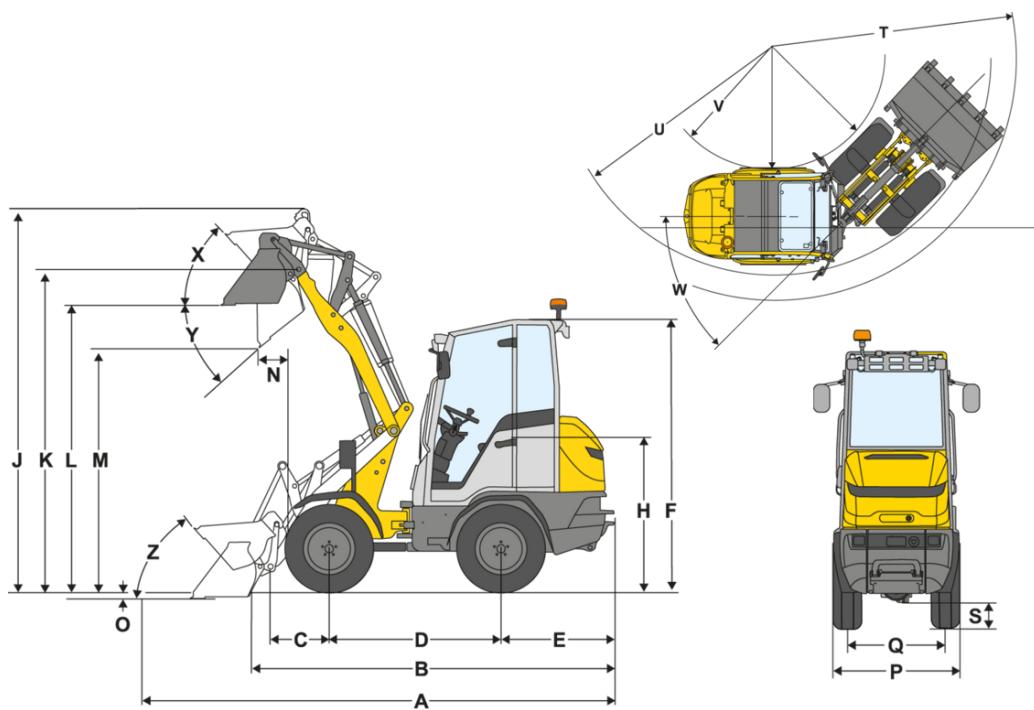
EPS = Easy Protection System (fold-down operator's canopy)

Tipping load calculation according to ISO 14397

*The charging time is dependent on the different charging options. On-board battery charger 3 kW (standard), with additional on-board battery charger total 6 kW (option). The following charging plug options are available: 230 V / 10 A Schuko, 230 V / 16 A CEE (blue, 3-pole), 400 V / 16 A CEE (red, three-phase AC current, 5-pole), 400 V / 16 A (Type 2 plug wall box, IEC 62196), and other adapter plugs.

** The running times of the battery are 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 undercut in extreme cases. The specified running times refer to uninterrupted operation and working with the machine.

Dimensions



A	Total length	4,015 mm	3,974 mm
B	Total length without bucket	3,283 mm	3,243 mm
C	Bucket pivot point (to center of axle)	578 mm	514 mm
D	Wheel base	1,620 mm	1,645 mm
E	Rear overhang	971 mm	971 mm
F	Height with operator's canopy (fixed)	2,244 mm	2,244 mm
	Height with fold-down operator's canopy (EPS)	2,321 mm	2,321 mm
F	Height with fold-down operator's canopy (EPS), folded down	1,924 mm	1,924 mm
	Height with cab	2,286 mm	2,286 mm
H	Seat height	1,277 mm	1,277 mm
J	Total working height	3,383 mm	2,851 mm
K	Bucket pivot point (max. lift height)	2,793 mm	2,266 mm
L	Load-over height	2,498 mm	1,967 mm
M	Dumping height	2,007 mm	1,448 mm
N	Reach (at M)	351 mm	322 mm
O	Digging depth	114 mm	141 mm
P	Total width	1,070 mm	1,070 mm
Q	Track width	814 mm	814 mm
S	Ground clearance	204 mm	204 mm
T	Maximum radius	2,896 mm	2,880 mm
U	Radius on the outer edge	2,505 mm	2,542 mm
V	Inner radius	1,418 mm	1,445 mm
W	Articulation angle	45 °	45 °
X	Rollback angle at max. lift height	45 °	49 °
Y	Dumping angle	42 °	47 °
Z	Rollback angle on ground	47 °	51 °