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 capacity	14.1 kWh
Battery weight	132 kg
On-board charging capacity (max.)	3 kW
Loading time (0-100%)	4 - 6* h
Loading time (20-80%)	2,9* h
Running time up to	2,98** h

Battery Option 1

Battery technology	Lithium-ion
Battery voltage class	48 V
Battery capacity	18.7 kWh
Battery weight	148 kg
On-board charging capacity (max.)	6 kW
Loading time (0-100%)	3 - 8* h
Loading time (20-80%)	1,9* h
Running time up to	4,61** h

Battery Option 2

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

Electric motor

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

Electrical system

Operating voltage	12 V

Weights

Bucket capacity (standard bucket)	0.30 m³
Operating weight	2,400 - 2,580 kg
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

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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)	85.1 dB(A)
Guaranteed sound power level LwA (operator's canopy)	87 dB(A)
Specified sound pressure level LpA (operator's canopy)	76 dB(A)
Average sound power level LwA (cabin)	85.1 dB(A)
Guaranteed sound power level LwA (cabin)	87 dB(A)
Specified sound pressure level LpA (cabin)	76 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.

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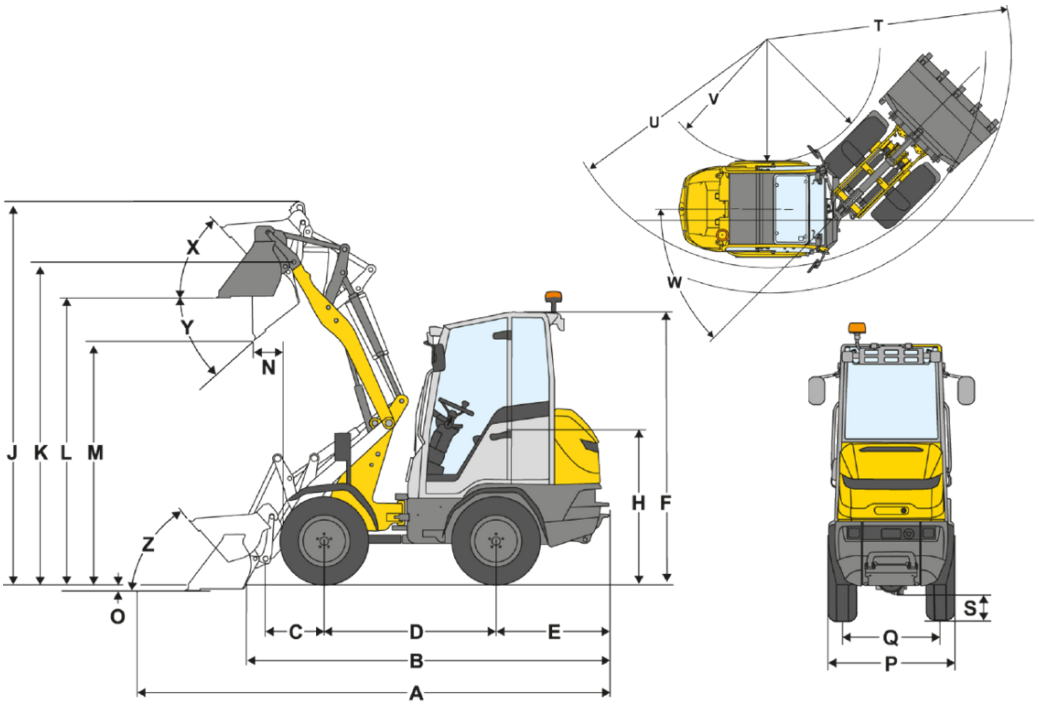
Dimensions



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

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