



**WACKER
NEUSON**
all it takes!

Wheeled Excavator

EW100





Innovative thinking: the wheeled excavator EW100.

	EW100
Shipping weight (kg)	10,320 – 11,550
Digging depth with long dipper stick (mm)	4,212
Engine output (kW)	55/100

Developed for the job site 4.0.

An overview of all the EW100's features.

Efficiency

- Optimal positioning of hydraulic components
- Grade Assist automatic grading function supports the machine on the construction site
- HMI (Human Machine Interface) saves different user settings and construction site information clearly and efficiently
- Attachment interfaces prepared as standard to communicate with other devices in the construction process

Environmental-friendliness

- Auto-stop function turns the machine off if not in use
- ECO automatic in Street mode and ECO mode with intelligent power splitting in construction site operation
- Low-emission stage 5 engine with automatic rpm

Versatility

- Pallet fork operation ex works
- Preparations for 2D and 3D control units ex works
- Preparations for assistance systems and attachment control ex works, without necessary conversions



Safety

- 360° stability - even with high loads the machine remains stable in all directions
- Very good all-round visibility due to low engine hood, deep-glazed windows and doors, as well as visible load edge
- Active Working Signal (AWS) at rear signalizes starting up, attachment change or machine braking when in Street mode
- Flexible piston rod protection protects against damage without needing to be changed
- Auto-brake function brakes automatically as soon as the foot is taken off the gas
- Entry, handles and steps in signal color

Performance

- Highest performance in all areas, including strongly increased auxiliary hydraulics and engine output
- Trailer operation, braked for up to 12t payload
- 40 km/h maximum speed
- Joystick steering
- 3-point kinematics for 200° dipper stick rotation angle and 20% higher excavation specifications
- 20% more swing power for tilt-rotator applications

Comfort

- Thermal management with auto warm-up and auxiliary heating
- Removable toolbox, incl. power connection and tank filler points at ideal operating height
- Easy fuel-filling from the ground

Highest performance across all areas.

With its strong engine output, the EW100 generates the best data for acceleration and top-speed of up to 40 km/h. The increased auxiliary hydraulic output also enables the use of a number of attachments.



Sets new standards for the future: the wheeled excavator EW100.

Attachment interface.

The EW100 is equipped ex works for the retrofitting an attachment interface. This enables an expansion to the machine software with future developments in the field of digitization, without needing to

perform retrofits to the machine itself. As a result, communication with attachments can be performed directly via the machine, and the construction process is optimized.



Preparations for assistance systems and attachment control units.

The machine is prepared ex works for any retrofitting of assistance systems or attachment control units. These can be retrofitted

through software updates with little effort. As a result, it is possible to avoid cost and time-intensive conversions.



Very good all-round visibility.

The design of the machine has been particularly optimized in terms of the field of visibility for the operator. For example, the right tyre is very easy to see from the normal seating position. Among other things, this increases the safety for the operator and the construction site surroundings.



Human Machine Interface.

The wheeled excavator EW100 stores individual settings and information for different operators and construction sites. The saved data can be retrieved by selection on the standard 10-inch touchscreen display and work can continue. The operator-based

machine settings store both personal key assignments for individual operating comfort, as well as attachment and flow rate settings per user.



360° stability.

Even at high weights, the machine stands firmly on the ground. As a result of the 360° stability, it is possible to move even large loads without the machine becoming unstable. Through

the optimal balance, the lateral stability of the machine is also increased by 25%.





Compact and powerful.

The EW100 combines the dimensions of a compact machine with the power of a 14-ton excavator. 20% more swing power for tilt rotator applications and the proven 3-point kinematics with swivel console provide even more freedom of movement in application



200° bucket angle of rotation, 20% better excavation data, and as a result 360° stability make the EW100 one of the most powerful construction site aids.



Many attachments, minimal effort.

Simple select, attach and get started. Attachments that are already saved can, in part, be automatically coupled and the operator need not leave the machine to do this. The machine

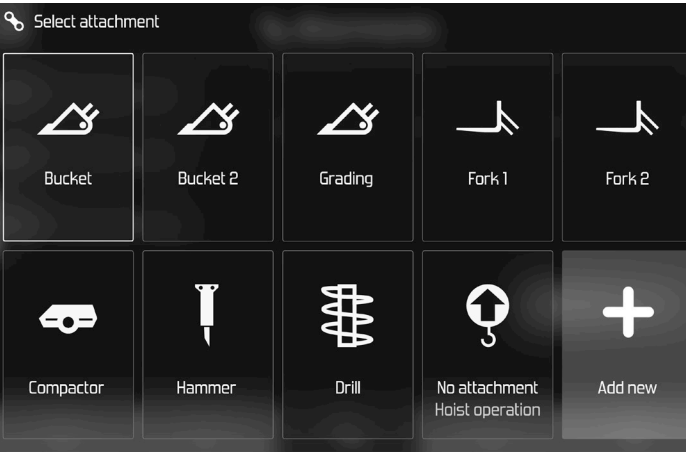
learns to recognize intelligent attachments and to communicate with them. Manual attachments can be stored once and then selected and recognized in future by just pressing on the display.

“Next level” of the wheeled excavator:
be best-equipped now for the future.



Attachment operation up to 12 tons.

Thanks to its powerful output, the EW100 is prepared for attachment operation (braked up to 12 tons). With this, there is no need for additional transportation vehicles or smaller machines.



Select and get started.

Attachments that have already been configured and manually saved can be easily and intuitively changed at any time. In doing so, the operator is guided by the specific saving and setting options.



Customization made easy.

If desired, a specific user, the current construction site, and specific joysticks can be configured to guarantee the ideal work cycle with the guarantee of comfort. Thus the operator has all the important details immediately available. Different construction sites can be retrieved after entry, and all information on them can be retrieved.



Low in servicing and maintenance.

The increased maintenance intervals and an integrated self-check system greatly minimize the machine downtimes. If an error should arise, the performed troubleshooting saves high costs and via remote diagnostics can also provide information about the current machine status.

Configuration options.

Cab

Side mirror (rear-view mirror)	●
FOPS protective grating level 1	●
FOPS protective grating level 2*	○
1-door cabin (sliding window)	●
Automatic air conditioning	●
Air-cushioned operator's seat	○
Air-cushioned, heated seat	○
Radio installation	●
Radio incl. Bluetooth intercommunication station	●
Sun shade	●
Auxiliary heating	○
10-inch touchscreen display	●

Hydraulics

Automatic pressure release H1 & H2 (AUX I + AUX II)	●
Electric pressure setting H1 & H2 (AUX I + AUX II)	○
Flat-faced coupler	○
Leak oil line	○
Bio oil Shell Panolin	○
Auxiliary hydraulics proportional control (AUX I)	●
Overload valve for auxiliary hydraulics	○
Flow control valve 3rd control circuit	○
Control circuit for grapple (AUX V)	●
Safe load indicator Basic	–
Overload warning device Advanced	●
Preparation for Powertilt (H3 / AUX III)	○
Preparation for quick coupler system (Q / AUX IV)	○
Auxiliary hydraulic circuit (H1 / AUX I)	●
Auxiliary hydraulic circuit (H2 / AUX II)	●
3rd control circuit (AUX II)	●

Paint

Special paint 1 RAL	○
Custom paintwork 1 no RAL	○
Special paint cab/canopy RAL	○

Security

Security 24 C (2,000 h)	○
Security 36 C (3,000 h)	○
Security 48 C (4,000 h)	○
Security 60 C (5,000 h)	○

Other

All-wheel steering	○
Trailer operation complete	○
Trailer operation preparation	○
Attachment interface	○
Work light mounted to boom	●
Front and rear work lights	●
Auto-break function	●
Auto-stop function	○
Auto-warm-up function	○

* only with additional protective grate ● standard ○ option – not available

Other

AWS (Active Working Signal)	●
Counterweight	–
Balloon tyres	○
Diesel filling pump	○
Automatic RPM speed control	●
EquipCare 36 months (including app & manager)	○
Drive signal	○
Cruise control system	○
Rubber track*	–
Hybrid track*	–
Joystick steering	○
Long dipper stick	●
Optional joystick with option to configure	●
Pallet fork operation complete	○
Pallet fork operation preparation	●
Front or rear dozer blade	○
Front or rear stabilizer support	○
Rearview camera	●
Reverse alarm	○
LED rotating beacon	○
Green LED rotating beacon	○
Bucket cylinder hose breakage protection	○
Dirt trap	○
Lifting arm vibration dampening	○
Steel track*	–
Road traffic regulation accessories	○
ISO – SAE switch-over	○
Steering logic switch-over	○
Articulated boom	●
Assistance systems' operation	●
KAT immobilizer system	○
Tool box	○
Central lubrication system	○
Dual tyres	●
Twin tyres with intermediate ring	○
30 km/h	○
40 km/h	○

Assembled attachments

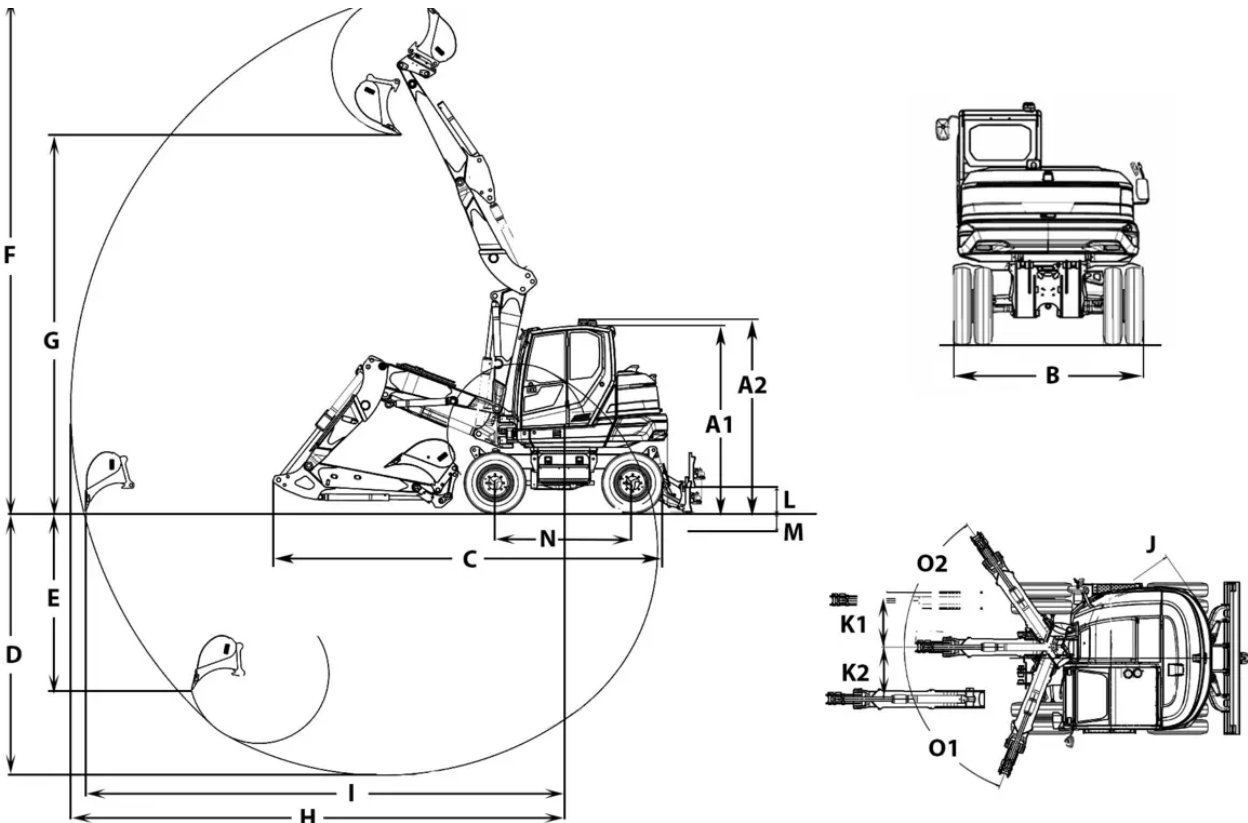
Easy Lock	○
Easy Lock + Powertilt	○
Easy Lock + Powertilt + load hook	○
Hyd. Lehnhoff quick hitch system + load hook	○
Hyd. Lehnhoff quick hitch system + Powertilt + load hook	○
Mechanical quick hitch system	○
OilQuick + load hook	○
OilQuick + Powertilt + load hook	○

* different widths possible ● standard ○ option – not available

Dimensions.

	Unit	
A Height	mm	2,963
B Width of travel gear, retracted (track / tires)	mm	2,450
C Transport length (short dipper stick)	mm	–
C Transport length (long dipper stick)	mm	6,707
D Max. digging depth (short dipper stick)	mm	–
D Max. digging depth (long dipper stick)	mm	4,212
E Max. vertical insertion depth (short dipper stick)	mm	–
E Max. vertical insertion depth (long dipper stick)	mm	3,039
F Max. insertion height (short dipper stick)	mm	–
F Max. insertion height (long dipper stick)	mm	8,069
G Max. dumping height (short dipper stick)	mm	–
G Max. dumping height (long dipper stick)	mm	6,260
H Max. digging radius (short dipper stick)	mm	–
H Max. digging radius (long dipper stick)	mm	7,713
I Max. reach at ground level (short dipper stick)	mm	–
I Max. reach at ground level (long dipper stick)	mm	7,503
J Min. tail swing radius	mm	1,690
K Max. boom offset to center of bucket (right/left)	mm	940 / 625
L Max. stacking height of the dozer blade above subgrade (short/long)	mm	390
M Max. scraping depth of dozer blade under subgrade (short/long)	mm	136
N Total track length	mm	3,193
O Max. swing angle of arm system to the right	°	55
P Max. swing angle of arm system to the left	°	70
Q Track/tyre width	mm	490 / 514 / 577
R Boom swing radius, center	mm	3,141

(1) Dual tyres (2) Balloon tyres (3) with articulated boom (4) with hybrid track (5) with steel track



Technical data.

General

	Unit	
Shipping weight	kg	10.320–11.550
Operating weight	kg	10.625–11.855
Max. ripping force*	kN according to ISO 6015	44
Max. break out force	kN according to ISO 6015	73.3

Drive

	Unit	
Manufacturer		Perkins
Model		904-J-E28T/904J-E36TA
Engine output	according to ISO kW/hp	55 / 75 100 / 136
Fuel tank volume	l	190
Emission standard		Stage 5

Hydraulics

	Unit	
Hydraulic system / pumps	–	LUDV with variable displacement pump, separate travel pump
Max. flow rate	l/min	181.5 + 32.9 170 + 171
Operating pressure for work and drive hydraulics	bar	300
Operating pressure for swing gear	bar	280
Auxiliary hydraulics, max. discharge volume	l/min	180

Travel gear

	Unit	
Ground clearance	mm	293 / 301 / 310
Max. travel speed	km/h	40
Ground pressure of basic machine	kg/cm²	–

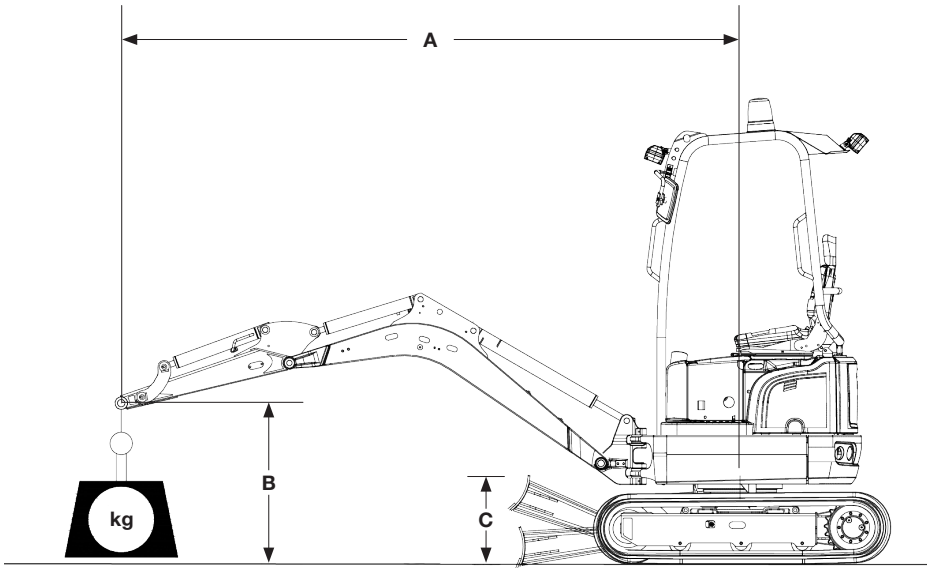
Noise emissions

	Unit	
Sound power level (LWA)	dBA acc. to 2000/14/EC	99
Emission sound pressure level (LPA)	dBA acc. to ISO 6394	tba

All information relates to the base machine. Subject to changes.

Lifting Capacity table.

A	MAX		6.0 m		5.0 m		4.0 m		3.0 m	
B	C	D	C	D	C	D	C	D	C	D
	Blade up		Blade up		Blade up		Blade up		Blade up	
7.0 m	2,957*	2,957*	-	-	-	-	-	-	2,990*	2,990*
4.0 m	1,169	1,261	1,304	1,402	1,891	1,912*	2,167*	2,167*	-	-
2.0 m	993	1,076	1,281	1,384	1,651	1,778	2,272	2,446	3,678	3,956
0 m	1,021	1,108	1,201	1,302	1,586	1,716	2,150	2,325	3,531	3,824
- 3.0 m	1,390*	1,390*	-	-	-	-	-	-	2,471*	2,471*



Meaning of abbreviations in tables

- A: Outreach from middle of rotating assembly
- B: Height of load hook
- MAX: Permissible load with extended dipper stick
- C: Dozer blade up or down, in travel direction – except EW100: against travel direction
- D: Dozer blade up, revolving superstructure 90° to travel direction

* Lift capacity limited by hydraulics

Actual lift capacity depends on the outfitting of the machine.
You can find these in the respective operator's manual.

The images, equipment and data shown may differ from the range of products currently available in your country.
Optional equipment may be shown under certain circumstances subject to a surcharge in the price.
The right to make any changes is reserved.

Wacker Neuson - all it takes.



Concrete technology



Vibratory rammers



Vibration plates



Rollers



Demolition technology



Generators



Pumps



Mini loaders



Excavators



Wheel loaders



Telehandler



Dumpers



Financial solutions



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