Compact and wheeled excavators 6 to 15 tons

WACKER NEUSON
all it takes!

Workhorses on any construction site: the compact and wheeled excavators from Wacker Neuson.

1. Economic efficiency that convinces.
Every construction site is different. That's why at Wacker Neuson you can choose the perfect machine for you from a finely tiered product range of compact and wheeled excavators – whether 6 tons or 15 tons, whether tracked or with wheels, whether with or without tail projection. In any case, you get a machine that is sturdy, powerful and easy to operate – and it is even more economical due to its versatility.

2. Quality that commits.
Our bundled excavator expertise is based in Hörsching near Linz. This is where our machines are developed, produced and sold to places all around the world. We ensure the highest quality standards in all process steps. After all, each of our excavators bears a special quality seal: “Made in Austria” reliability.

3. Customer proximity that leaves nothing to be desired.
Your requirements are our incentive. We not only offer you a large selection of excavators, but also a variety of attachments that you can use to expand your range of applications and that allow us to meet your needs even more individually. In addition, there are comprehensive services rendered for your machines: from individual financing solutions to professional maintenance. In this way, you can focus entirely on your projects.

Wacker Neuson—all it takes!
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our extensive product range of excavators. We do our best every day to ensure your success. And we do this full of passion for our jobs.

All compact and wheeled excavators from 6 to 15 tons from this brochure in an overview.

	ET65	EZ80	ET90
Shipping weight:	5,806–6,682 kg	7,588–8,877 kg	8,348–9,625 kg
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	ET145	EW65	EW100
Shipping weight:	14,917–15,701 kg	6,472–7,720 kg	9,241–10,461 kg
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Excavator expertise down to the last detail.

Efficiency
- **LUDV (load-independent flow distribution):** comfortable, fatigue-free control independent of the load to be moved
- **Thermal endurance:** constant work performance at ambient temperatures of up to 45 degrees Celsius
- **Wide range of options available ex work:** Individual equipment as desired

Versatility
- **Control circuits (AUX I–V):** up to 5 optional additional control circuits ex work
- **High machine utilization** due to numerous attachments ex work
- **Customer colors:** If desired, we also paint in special colors
- **Innovative front windshield system** for optimal ventilation in any weather

Maintenance
- **Optimal service accesses** thanks to the tiltable cabins
- **Long service life** thanks to the high-quality components and processes
- **Shortened maintenance:** Diagnostic tool WANDA makes troubleshooting easier

Security
- **Intuitive operation** via joystick display, jog dial and keypad
- **Large comfort cabin** with custom setting possibilities
- **Very good view** of the entire work area
- **Telematics** locate the machine per GPS and increase the anti-theft protection

Other excavators of the < 6 ton mini-excavator weight class.

(More information in the brochure “Mini-excavator” or at www.wackerneuson.com)

803	ET16	EZ17	ET18	ET20
932–992 kg	1,402–1,602 kg	1,596–1,822 kg	1,582–2,060 kg	1,862–2,182 kg

ET24	EZ26	ET35	EZ36	EZ53
2,057–2,401 kg	2,596–3,222 kg	3,418–4,335 kg	3,507–4,452 kg	4,968–6,165 kg

The ET65 with articulated boom and 3-point-kinematics is the flexible performance machine for quick cycle times

The EZ80 combines compact dimensions with excellent digging power – for best performances in a small space

The ET90 impresses with excellent engine and hydraulic performance - concentrated power that remains perfectly under control thanks to the load-sensing system

Power and efficiency times three: the tracked excavators ET65, EZ80 and ET90.

	ET65	EZ80	ET90
Shipping weight (kg)	**5,806–6,682**	**7,588–8,877**	**8,348–9,625**
Digging depth with short and long dipper stick (mm)	**3,893*–4,193***	**3,919–4,169**	**4,379*–4,679***
Engine output (kW)	**36.3**	**36.2**	**55**

* with articulated boom

Diesel particulate filter (optional) to meet country-specific statutory emission regulations

The most efficient drive on the market for high performances

Low tank filler point for easier refueling without climbing

Compact and maneuverable due to intelligent arrangement of the components and low height of machine

High stability due to a low center of gravity and optional additional rear counterweight

Optimal maintenance access for quick favorably priced service

Large and sturdy aluminum radiator easy to clean and with the best cooling performance in its class

Comfort cabin that can be adjusted to any operator size

100% power up to 45° C ambient temperature

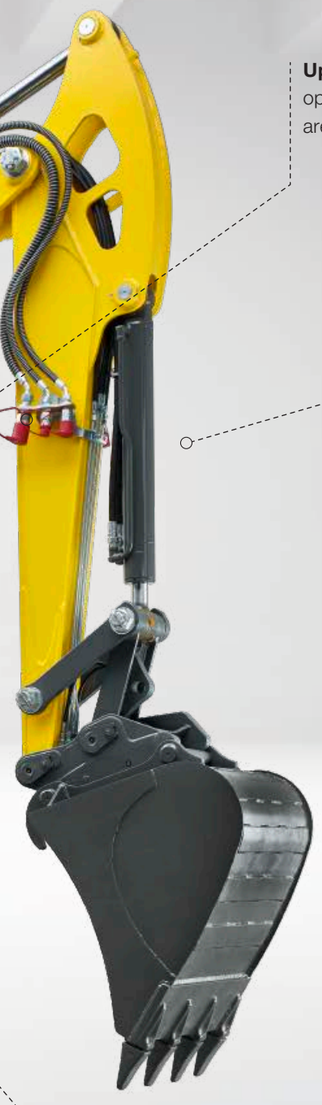
8 large tie-downs for safe transport

Depending on the model, **different track versions** to choose from

Up to 7 headlights for the optimal illumination of the work area (optionally also LEDs)

Short hydraulic hoses for less power loss and a long service life

Versatile in use due to up to 5 additional control circuits ex work



Precise control with any load thanks to load-sensing hydraulic system with LUDV

3-point kinematics increases the insertion depth and digging force

Articulated boom for bigger digging radius and less repositioning (optional with ET65 and ET90)

ET65 EZ80 ET90

Our three economic miracles.

Strong performance: All three excavators consume up to 20% less fuel than comparable models. Nevertheless, they are best in their class within the range of digging power and break out forces. We promised you a miracle.

High fuel savings
due to the efficient hydraulics with LUDV (load-independent flow distribution).

Your benefits:

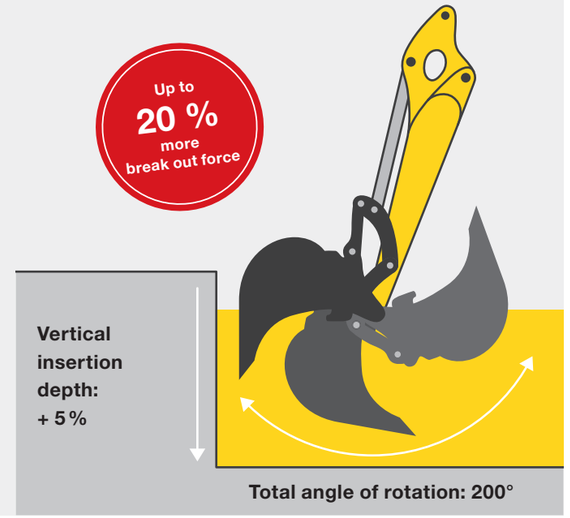
Up to
30% more
productivity

Up to
20% less
consumption

Unique 3-point kinematics.

The higher torque or the 3-point kinematics as well as the 200°-expanded angle of rotation make the ET65 and ET90 the best in their class in terms of digging power.

- Optimal insertion angle rotation of the bucket
- Digs even deeper vertically
- More powerful excavating
- Improved dumping behavior and less material loss



More leeway thanks to articulated boom.

The articulated boom provides you with more maneuverability and therefore greater freedom of action. Because the additional joint permits the bucket to be pulled right up to the travel gear or the dozer blade. Ideal when narrow spaces need to be overcome or an obstacle has to be moved out of the way. The articulated boom is optionally available with the ET65 and ET90 - unique in these classes!

Articulated boom, optional for ET65 and ET90, improves range, digging depth and dumping height.

Default settings at the touch of a push button:
by jog dial, e.g. save and access liter quantity or saving/retrieving release for attachments.

Ventilate flexibly and communicate easily –
thanks to the innovative windshield system without removing the panes.

More cabin comfort.

Maximum operating comfort is standard with the ET65, EZ80 and ET90. In addition, we offer you numerous options to adjust your excavator to your individual requirements. It's no surprise that the ET65 is even the best in its class in terms of cabin comfort.

Optimal visibility

Powerful air-conditioning system for a pleasant working temperature at all times

Two-part windshields that can be completely slid under the cabin roof (standard equipment)

Rear-view camera with 7" multifunctional display for an ideal view to the rear

Lateral sliding window

LED headlights for even better illumination

User-friendly jog dial with individually savable settings (standard equipment)

Air-cushioned comfort seat including seat heating for increased operator comfort and height adjustment

Attachment carrier with many application areas thanks to up to 5 additional control circuits

Individuality through variety.

Put together your perfect working unit from a variety of options available ex work, such as:

- Up to 5 additional control circuits, of which 3 are individually adjustable
- Diesel particulate filter
- Air-cushioned seat with heated seat
- 7 LED lights
- 4 track versions
- Custom-made paint finish in automotive quality
- Rear-view camera
- Automatic air-conditioning
- Counterweight
- Panolin hydraulic oil
- And much more

Hydraulically activated quickhitch system Easy Lock.

Change the attachment in a few seconds – -using the Easy Lock hydraulic quickhitch system. For this purpose, the operator does not even have to get out and the new attachment is ready for use immediately. For even more flexibility and productivity.

Classic tool holding fixture, e.g. for excavation, done in a few seconds.

Reverse tool holding fixture, e.g. for moving or smoothing soil.

Powertilt: for the right setting.

The Powertilt swivel unit is available as an option and can be combined with both Easy Lock and the mechanical Lehnhoff quickhitch system. This allows the attachment to be rotated by up to 180° - ideal for leveling, mulching or demolition work.

Powertilt with hydraulic Easy Lock quick coupler system

Attachments for all applications.

Thanks to the optional additional control circuits, you can equip our excavators with a variety of attachments. Our product range includes all types of buckets, hydraulic hammers, adapter plates and much more. In this way, you can increase your application areas in no time and thus increase the utilization of your excavator.

Hydraulic hammers (kit available for every excavator)

Backhoe (with and without teeth)

Ditch or trench cleaning bucket

Swivel bucket

The EZ80 without tail projection makes safe and precise working possible directly against walls.

Safe entry and exit thanks to the low entry height.

Reduced dimensions.

Whether during transportation or in tight spaces: Thanks to their compact design, the ET65, EZ80 and the ET90 can easily take you to your next job site. And on the construction site, the machines can maneuver anywhere — even in confined spaces. You can benefit from high efficiency in all applications.

- Very low entry height
- Small dimensions due to the intelligent component arrangement
- Higher level of stability due to the low center of gravity

Simple maintenance. Simple repair.

The high productivity of our machines is not just due to the sturdy technology. Most service work can be completed in a short time due to quick and easily accessible maintenance points. Professional maintenance and repairs done by our technicians and original spare parts from Wacker Neuson also extend the service life of your machines.

Low emissions, high level of sustainability.

In terms of environmental compatibility, sustainability and low emissions, you are perfectly positioned with our compact excavators – even in the future. All machines meet the European emissions directives for the reduction of exhaust fume pollutants without you having to make compromises when it comes to performance, service life or economic efficiency. In order to achieve this, we only install the latest engine technologies that are equipped with various exhaust fumes aftertreatment systems. No exhaust after-treatment necessary is even necessary with the ET65 and EZ80. In addition, all three excavators are optionally available with a diesel particulate filter (DPF).

Productive like a 14-ton excavator and small and maneuverable like a compact excavator

Constant power engine for full power at any working speed and low consumption

Up to 5 additional control circuits, of which 3 are individually adjustable, for multifunctional attachments and extensive application areas

One of the largest compacts: the tracked excavator ET145.

	ET145
Shipping weight (kg)	**14,917 – 15,701**
Digging depth with short and long dipper stick (mm)	**5,000 – 5,500**
Engine output (kW)	**55**

Lower emissions with the same performance due to the diesel particulate filter (no SCR necessary)

2 pre-set operating modes: POWER or fuel-saving ECO mode

Large comfort cab with air-conditioning system standard

Quiet engine for less noise pollution and easier communication

Intuitive operation of all excavator functions through the jog dial and display

6 headlights for optimal lighting of the work area

Comprehensive application areas due to up to 5 additional control circuits

100% performance at up to 45 degree Celsius ambient temperature

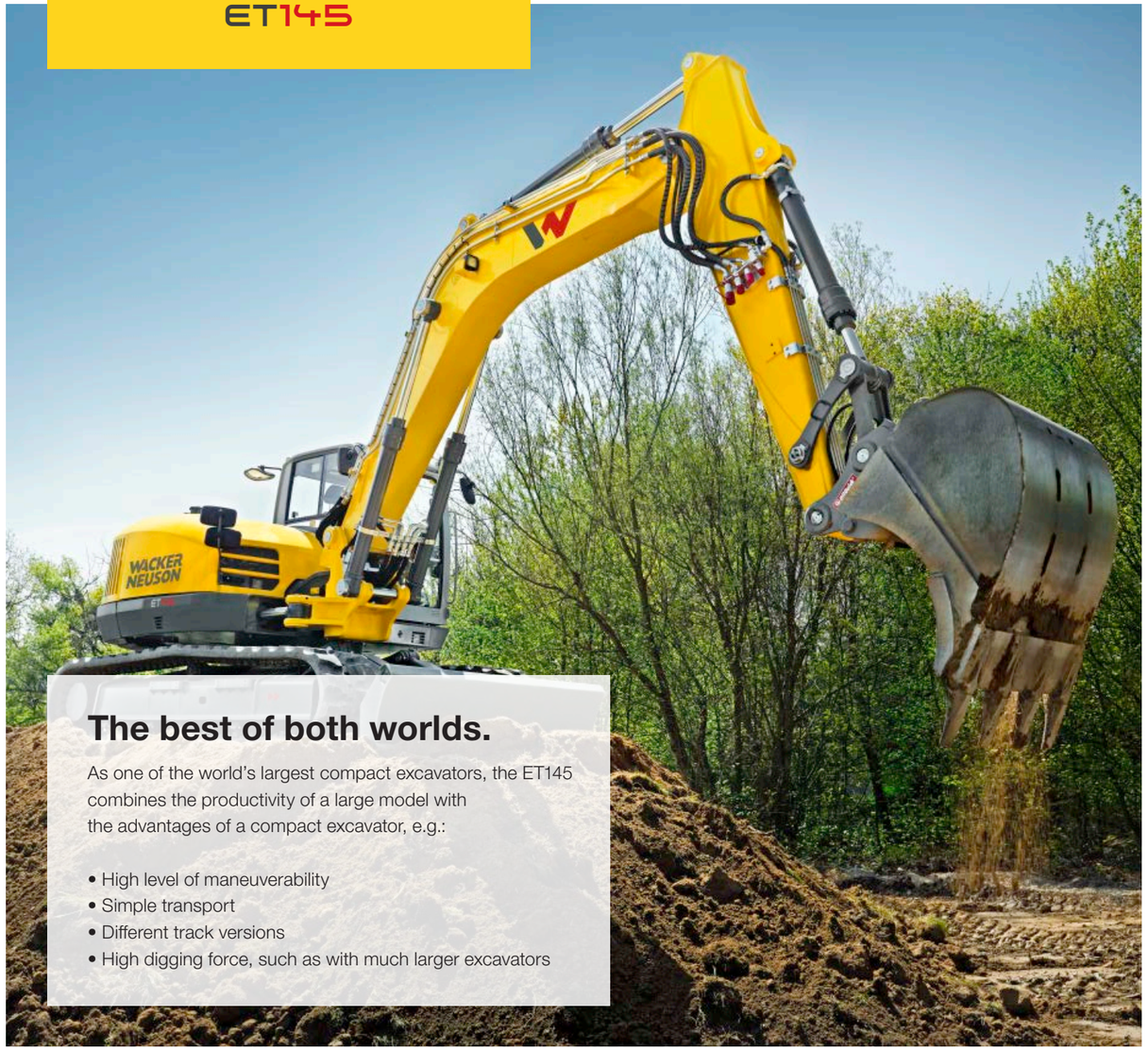
Sturdy aluminum radiator improves the cooling performance and is easy to clean

3 tracked versions for any application

8 large tie-downs for simple, quick and safe loading

Swivel console offers more flexibility in excavation work and saves time

Standard dozer blade for maximum lift capacity and stability



The best of both worlds.

As one of the world's largest compact excavators, the ET145 combines the productivity of a large model with the advantages of a compact excavator, e.g.:

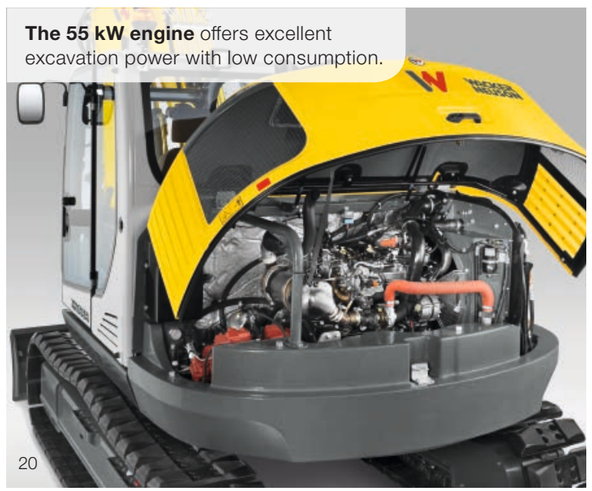
- High level of maneuverability
- Simple transport
- Different track versions
- High digging force, such as with much larger excavators

ET145 with swivel console for higher productivity.

The swivel console makes the ET145 into a real highlight in its weight class. This allows you an increased excavation area to the right and left. And because the machine needs to be moved much less, you save valuable time.

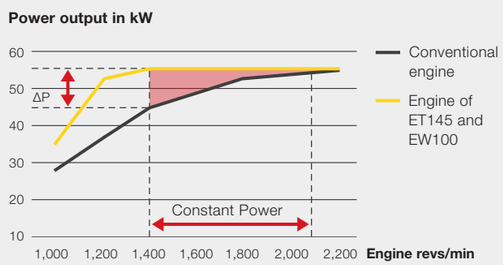
The swivel console …

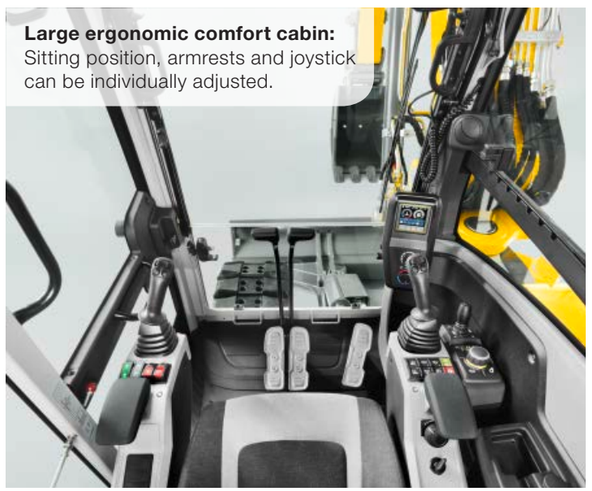
- allows you to work along walls and trenches
- facilitates work at obstacles such as pipes or flowing traffic
- improves the area of visibility, e.g. during excavation work in trench areas
- has a swiveling angle range of 70° left and 57° right



The 55 kW engine offers excellent excavation power with low consumption.

Full power of the engine
even at low speed





Large ergonomic comfort cabin:
Sitting position, armrests and joystick can be individually adjusted.

Good traction and maneuverability in all ground conditions with the right track.

Articulated boom and 3-point kinematics for larger excavation radius, less repositioning and faster work cycles

Variable from 0 to 30 km/h without gear selection thanks to the closed driving circuit – easy operation with just one drive pedal

Precise control in the low and high load range thanks to load-sensing hydraulics with LUDV (load-independent flow distribution)

Power and speed, perfectly combined: the wheeled excavator EW65.

	EW65
Shipping weight (kg)	**6,472–7,720**
Digging depth with short and long dipper stick (mm)	**3,596*–3,895***
Engine output (kW)	**36.3**

* with articulated boom

Articulated boom for bigger digging radius and less repositioning

Short hydraulic hoses thanks to the centrally positioned manifold block, therefore less power loss and longer service life of the hoses

Simple operation selection: Full power (POWER) or save fuel (ECO)

The best thermal resistance in its class: Full performance at up to 45°C outside temperature

Two-piece windshield for variable ventilation and simple communication

Cruise control, ideal for municipal work such as mowing, milling and mulching

The best cabin comfort in its class: Automatic air conditioning, seat heating, quiet engine and much more

Up to 5 additional control circuits available ex works, 3 of them individually adjustable

Easy maintenance due to tiltable cabin and removable chassis covers

3-point kinematics improves the break out force, insertion depth and dumping height

Environmentally sound and sustainable due to diesel particulate filter (optional)

Individual equipment due to a variety of options ex work

Optimal illumination of the work area (optionally with durable LEDs)

Durable aluminum radiator with high thermal resistance

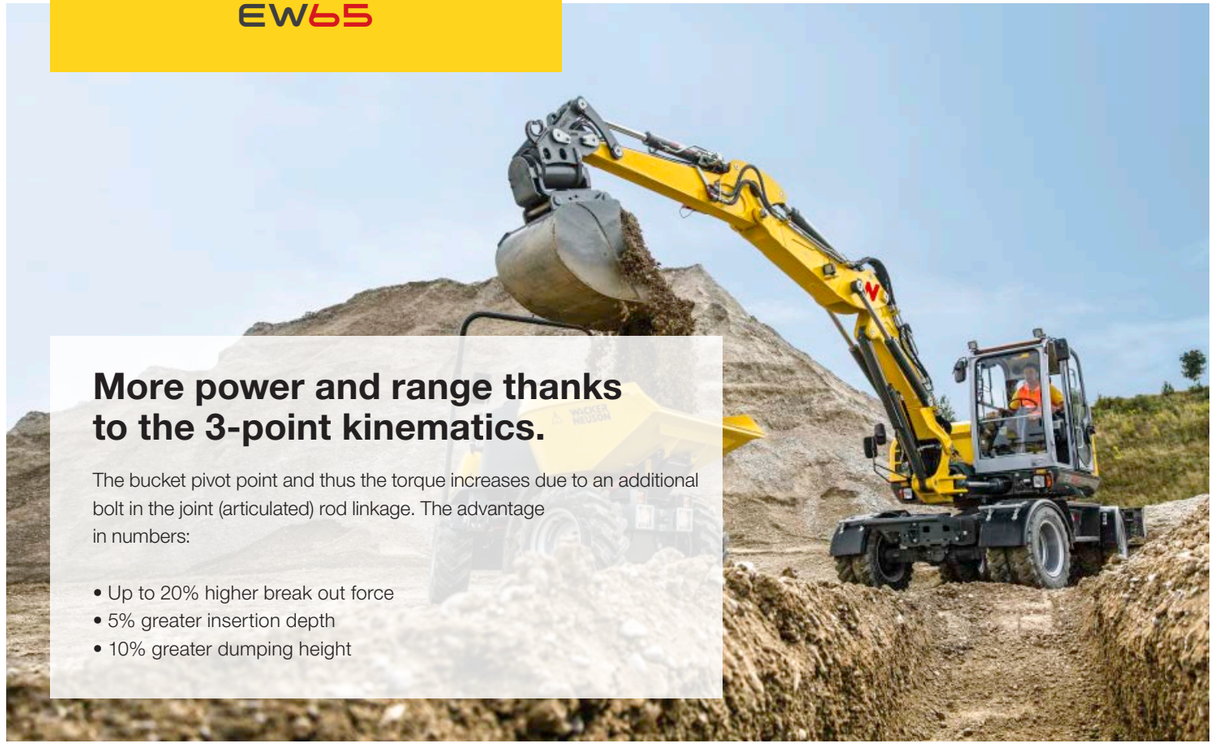
Compact design for safe entry, simple transport and safe refueling

Move between construction sites quickly at up to 30 km/h without transport costs

6 large tie-downs for quick lashing down and secure transport

Individual support versions: Blade or stabilizer, rear, front or both sides

EW65



More power and range thanks to the 3-point kinematics.

The bucket pivot point and thus the torque increases due to an additional bolt in the joint (articulated) rod linkage. The advantage in numbers:

- Up to 20% higher break out force
- 5% greater insertion depth
- 10% greater dumping height

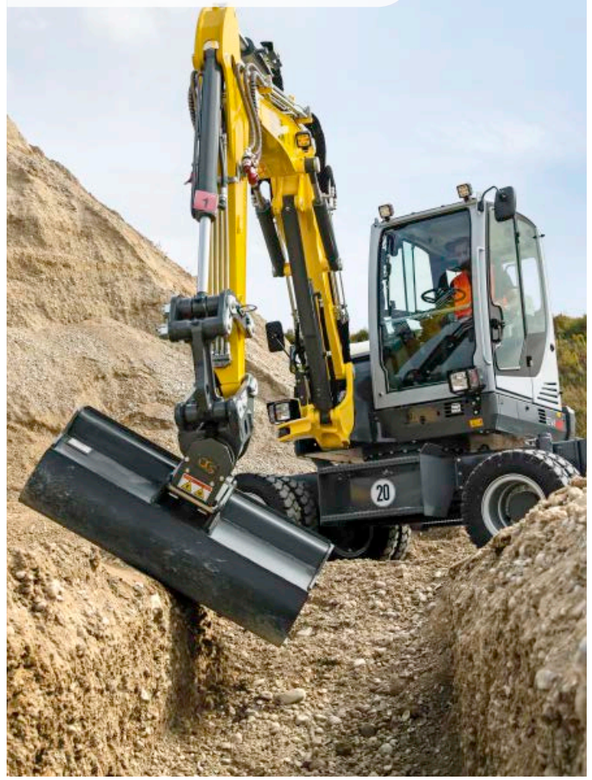
Increased stability.

A stable, good footing is essential - above all during heavy excavation work or on difficult ground conditions. For support, you can use a dozer blade or support stabilizers – both in front or in the rear or in any combination.

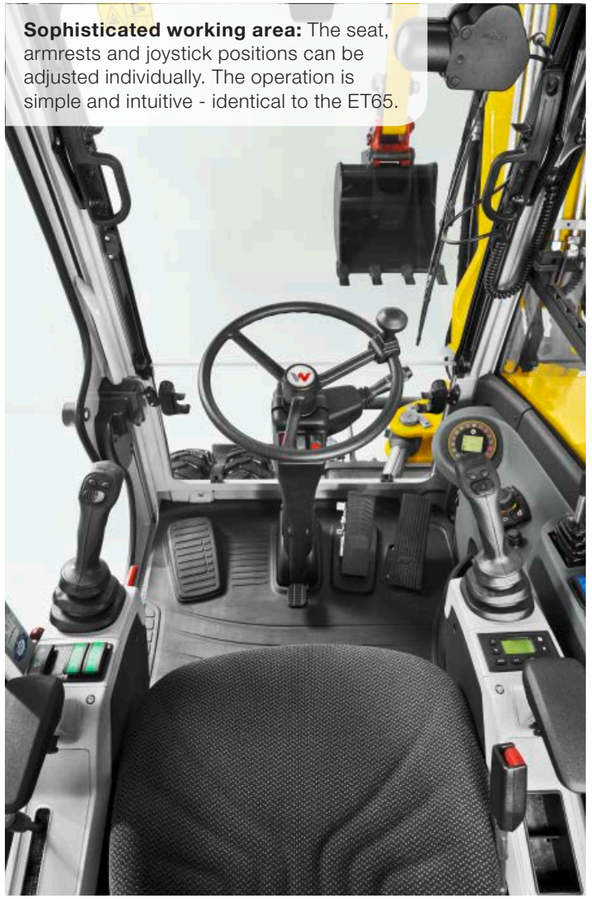
More leeway thanks to articulated boom.

Optionally available with the EW65, the articulated boom provides you with more maneuverability and therefore greater freedom of action. So not only can you excavate deeper, but the additional joint also makes it possible to pull the bucket all the way to the travel gear or the dozer blade. Ideal when narrow spaces need to be overcome or an obstacle has to be moved out of the way.

Both powerful and sensitive: Thanks to the load-sensing hydraulics with LUDV (load-independent flow distribution), the power can be adjusted to the situation.



Sophisticated working area: The seat, armrests and joystick positions can be adjusted individually. The operation is simple and intuitive - identical to the ET65.



Innovative windshield system.

The two-part front window allows for optimal ventilation in the cabin in any weather. In addition, it makes it easier to communicate with the operator. A separate removal and storage of the window is a thing of the past.

Closed windshield - two glass windows keep water and wind out.

The upper windshield can be pushed under the cabin roof. The lower pane serves as splash protection.

The lower windshield slides behind the upper one, making it ideal for talking with colleagues.

If necessary, both panes are pushed below the cabin roof where they are stored safely.

Closed travel circuit:
The speed can easily be variably controlled via the drive pedal – no gear change, no rolling away on a slope

3 steering modes: Front axle, all-wheel, crab steering for optimal relocation in any construction site situation

Comfortable, fatigue-free control thanks to the load-sensing hydraulic system with LUDV (load-independent flow distribution) – the joystick movements always remain the same for the operator

Productivity on wheels:
of the wheeled excavator EW100.

	EW100
Shipping weight (kg)	**9,241–10,461**
Digging depth with short and long dipper stick (mm)	**3,950–4,250**
Engine output (kW)	**55**

Load-sensing hydraulics with LUDV (load-independent flow distribution) for precise, fatigue-free control with all loads

Intuitive operating concept: Simple control by joystick, display, jog dial and keypad

Ergonomic cabin with individual adjustment of seat, joystick position and armrests

The best thermal resistance in its class: 100% performance at up to 45 degrees ambient temperature

Cruise control, ideal for municipal work such as mowing, milling and mulching

Standard articulated boom increases the digging depth

Two operating modes to choose from: Full power (POWER) or save fuel (ECO)

Optimal ventilation and communication due to flexible windshield system

Optimally positioned manifold bloc: Hydraulic hoses are shorter and wear less, the efficiency is significantly increased

Up to 5 additional control circuits available ex work for numerous application areas

Illumination of the entire work area (optionally with LEDs)

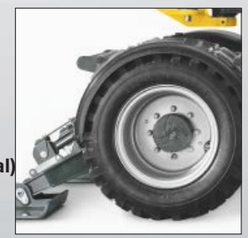
Sturdy aluminum radiator, easy to clean

Large application radius on its own axles, standard up to 30 km/h (optionally up to 20 km/h)

Different stabilizer versions: Plate or stabilizer, rear, front or both sides

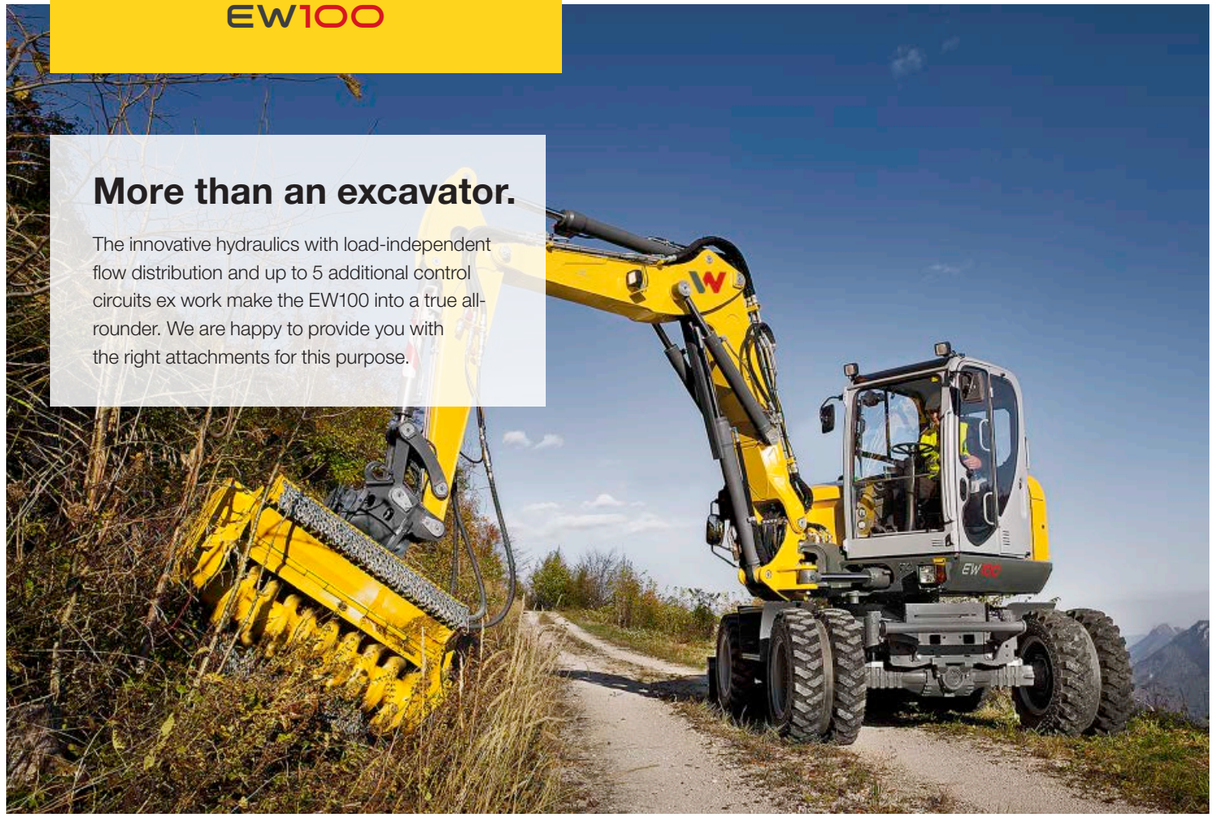
6 large tie-downs for quick, safe transport

Mudguards (optional) for reduced cleaning effort

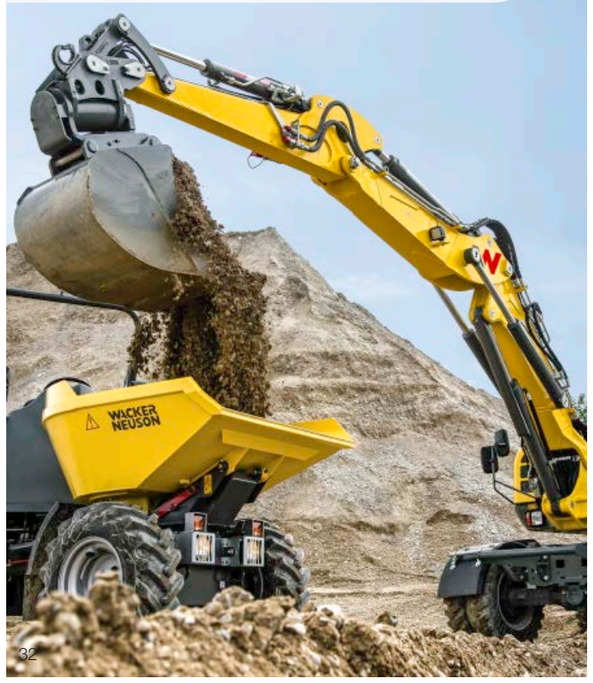


More than an excavator.

The innovative hydraulics with load-independent flow distribution and up to 5 additional control circuits ex work make the EW100 into a true all-rounder. We are happy to provide you with the right attachments for this purpose.



High excavation power and a deeper digging depth thanks to the articulated boom ensure a powerful excavation performance and quick cycle times.



Constant power engine.

Thanks to the constant power engine, the excavation performance of the EW100 remains consistently high, independent of the engine speed. That means:

- Full power even at low rpm
- Therefore less fuel consumption
- No SCR (selective catalytic reduction) required, therefore lower maintenance costs

From 0 to 30 km/h with one drive pedal for a quick location change without transport costs.

Large tiltable cab.

Optimal access to all important service areas: The cabin can be tilted to the side by about 60° and the chassis covers can be removed in a few simple steps. Repair work is thus quickly taken care of.

Three steering modes.

The EW100 has three steering modes for various applications at the construction site as well as for road use. The steering method can be easily changed using a rocker switch.

Front wheel steering for fast driving on the road.

All-wheel steering for a particularly small turning circle.

Crab steering for parallel travel, e.g. along buildings.

Configuration options

COMPACT AND WHEELED EXCAVATORS

	ET65	EZ80	ET90	ET145	EW65	EW100
CABIN						
Standard cab	●	●	●	●	●	●
1-door cabin (sliding window)	●	●	●	●	●	●
FOPS protective grating level 1	●	●	●	○	●	○
FOPS protective grating level 2	○	○	○	○	○	○
Mirror package (left and right mirrors)	○	–	–	○	●	●
Side mirror (rear-view mirror)	○	○	○	●	○	○
Complete radio	○	○	○	●	○	○
Radio installation	●	●	●	●	●	●
Automatic air conditioning	○	○	○	●	○	○
Air-cushioned operator's seat	○	○	○	○	○	○
Front window protective grating	○	○	○	○	○	○
HYDRAULICS						
Overload warning device Advanced	○	○	○	●	●	●
Overload warning device Basic	●	●	●	–	–	–
Proportional control (for auxiliary hydraulics)	●	●	●	●	●	●
3rd proportional-controlled control circuit	○	○	○	●	○	○
BP-Biohyd SE46	○	○	○	○	○	○
Panolin HLP Synt46 (Bio)	○	○	○	○	○	○
Flat-faced coupler	○	○	○	○	○	○
Flow control valve 3rd control circuit	○	–	○	○	○	○
Flow control valve for auxiliary hydraulic	○	○	○	●	○	○
Control circuit for grapple	○	○	○	○	○	○
Easy Lock preparation	○	○	○	○	○	○
Powertilt preparation	○	○	○	○	○	○
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)	○	○	○	○	○	○

● Standard ○ Option – not suitable

COMPACT AND WHEELED EXCAVATORS

	ET65	EZ80	ET90	ET145	EW65	EW100
MISCELLANEOUS						
30 km/h	–	–	–	–	○	○
All-wheel steering	–	–	–	–	–	○
Mudguards	–	–	–	–	–	○
Rear-view camera	○	○	○	●	○	○
Particulate filter	○	–	○	●	○	●
Fluid Film	○	○	○	○	○	○
Telematics Europe 12 - 72 months	○	○	○	○	○	○
Cruise control	–	–	–	–	–	○
Standard rotating beacon	○	○	○	○	○	○
Front and rear work lights	○	○	○	●	○	○
LED headlights	○	○	○	–	○	○
Counterweight	○	○	○	–	–	–
Diesel filling pump	○	○	○	●	○	●
Automatic RPM speed control	●	●	●	●	●	●
Drive signal	○	○	○	–	○	○
Long dipper stick	○	○	○	○	○	○
Front or rear dozer blade	–	–	–	–	○	○
Front or rear stabilizer support	–	–	–	–	○	○
Articulated boom	○	–	○	–	○	●
Hose-rupture valve for bucket cylinder	–	–	–	–	–	○
Road traffic regulation accessories	–	–	–	–	○	○
Steering logic switch-over	–	–	–	–	–	○
Immobilizer system Digi Code or KAT	○	○	○	○	○	○
Tool box	–	–	–	–	–	○
Engine oil service valve	○	○	○	–	○	○
TÜV road homologation (Germany)	–	–	–	–	○	○
Rubber track	●	●	●	○	–	–
Hybrid track	○	○	○	○	–	–
Steel track*	○	○	○	●	–	–
Dual tires	–	–	–	–	○	●
Wide balloon tires	–	–	–	–	○	–
Balloon tires	–	–	–	–	●	○
ASSEMBLED ATTACHMENTS						
Easy Lock	○	○	○	–	○	○
Easy Lock + Powertilt	○	○	○	–	○	○
Easy Lock + Powertilt + Load hook	○	○	○	–	○	○
Lehnhoff mechan. quick coupler system	○	○	○	○	○	○
OilQuick + load hook	–	–	–	○	–	–
OilQuick + Powertilt + load hook	–	–	–	○	–	–

* different widths possible depending on the model

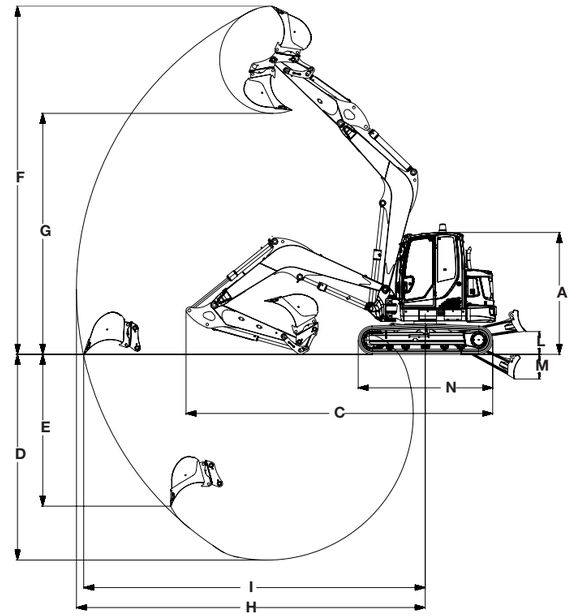
Dimensions

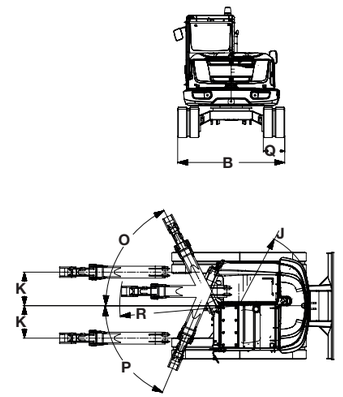
COMPACT AND WHEELED EXCAVATORS

	DIMENSIONS	UNIT	ET65	EZ80	ET90	ET145	EW65	EW100
A	**Height**	mm	2,478	2,562	2,562	2,790 2,825[4]	2,775	2,980
B	**Width of travel gear, retracted** (track/tires)	mm	1,950	2,250	2,250	2,490	1,832 2,088[1]	2,450
C	**Transport length** (short dipper stick)	mm	6,128 6,065[3]	6,939	7,117 6,468[3]	7,720	6,114 6,220[3]	7,255 6,656[3]
C	**Transport length** (long dipper stick)	mm	6,137 6,194[3]	6,944	7,139 6,690[3]	7,790	6,137 6,349[3]	7,315 6,886[3]
D	**Max. digging depth** (short dipper stick)	mm	3,826 3,893[3]	3,919	4,325 4,379[3]	5,000	3,531 3,596[3]	3,998 3,950[3]
D	**Max. digging depth** (long dipper stick)	mm	4,126 4,193[3]	4,169	4,625 4,679[3]	5,500	3,831 3,895[3]	4,298 4,250[3]
E	**Max. vertical insertion depth** (short dipper stick)	mm	2,383 2,764[3]	1,915	3,192 3,198[3]	3,100	2,088 2,465[3]	3,350 3,450[3]
E	**Max. vertical insertion depth** (long dipper stick)	mm	2,656 3,036[3]	2,124	3,474 3,456[3]	3,600	2,361 2,737[3]	3,650 3,750[3]
F	**Max. insertion height** (short dipper stick)	mm	5,773 6,537[3]	6,620	7,322 7,931[3]	8,300[5]	6,068 6,834[3]	7,295 8,090[3]
F	**Max. insertion height** (long dipper stick)	mm	5,955 6,770[3]	6,782	7,529 8,196[3]	8,600[5]	6,250 7,067[3]	7,485 8,355[3]
G	**Max. dumping height** (short dipper stick)	mm	3,912 4,664[3]	4,587	5,066 5,674[3]	5,700 5,659[4]	4,207 4,961[3]	5,160 5,935[3]
G	**Max. dumping height** (long dipper stick)	mm	4,094 4,898[3]	4,749	5,272 5,940[3]	6,000	4,389 5,195[3]	5,350 6,205[3]
H	**Max. digging radius** (short dipper stick)	mm	6,220 6,590[3]	6,955	7,331 7,596[3]	8,300	6,220 6,590[3]	7,540 7,815[3]
H	**Max. digging radius** (long dipper stick)	mm	6,504 6,877[3]	7,190	7,620 7,889[3]	8,800	6,504 6,877[3]	7,825 8,105[3]
I	**Max. reach at ground level** (short dipper stick)	mm	6,097 6,475[3]	6,795	7,179 7,463[3]	8,100	6,024 6,406[3]	7,320 7,605[3]
I	**Max. reach at ground level** (long dipper stick)	mm	6,387 6,772[3]	7,036	7,474 7,751[3]	8,600	6,318 6,706[3]	7,615 7,905[3]
J	**Min. tail swing radius**	mm	1,363	1,228	1,583	2,015	1,459	1,575
K	**Max. boom offset to center of bucket** (right/left)	mm	766/492	705/683	705/683	850/640	766/492	1,023/840
L	**Max. stacking height of the dozer blade above subgrade** (short/long)	mm	403	474	479	492/532[4]	395	504
M	**Max. scraping depth of dozer blade under subgrade** (short/long)	mm	427	523	518	531/493[4]	301	132
N	**Total track length**	mm	2,516	2,826	2,826	3,605	2,887	3,193
O	**Max. swing angle of arm system to the right**	°	63	63	63	57	63	63
P	**Max. swing angle of arm system to the left**	°	67	67	67	70	67	67
Q	**Track/tire width**	mm	400	450	450	500	300 457[1]	514[1] 530[2]
R	**Boom swing radius, center**	mm	2,453 3,159[3]	2,869	2,503 2,840[3]	2,814	2,465 2,605[3]	2,953 3,190[3]

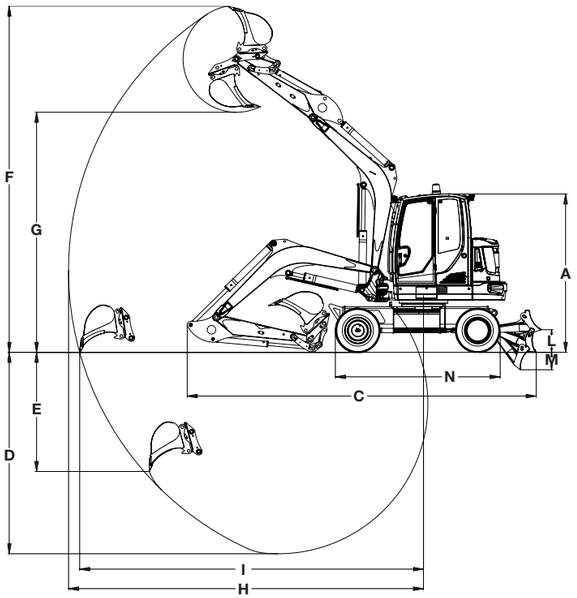
[1] Dual tires [2] Low pressure tires [3] with articulated boom [4] with hybrid track [5] with steel track

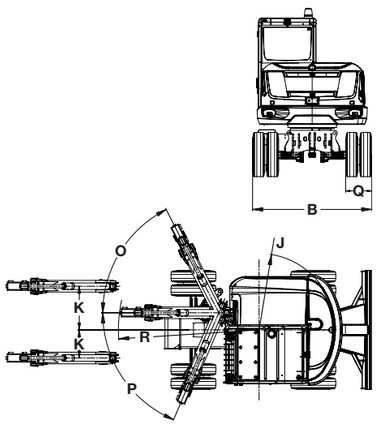
Tracked excavators





Wheeled excavators





Lifting force tables

ET65 with counterweight

A	MAX.		5 m		4 m		3 m		2 m	
B	C	D	C	D	C	D	C	D	C	D
	Blade down		Blade down		Blade down		Blade down		Blade down	
4 m	1,291*	1,291*	–	–	1,244*	1,244*	–	–	–	–
3 m	1,280*	1,071	–	–	1,264*	1,264*	–	–	–	–
2 m	1,301*	949	1,313*	1,012	1,474*	1,436	1,879*	1,879*	–	–
1 m	1,339*	907	1,401*	985	1,738*	1,369	2,549*	2,099	–	–
0 m	1,387*	930	1,441*	964	1,908*	1,320	2,856*	2,012	–	–
-1 m	1,437*	1,039	–	–	1,878*	1,303	2,766*	1,994	4,672*	4,116
-2 m	1,456*	1,345	–	–	–	–	2,275*	2,025	3,643*	3,643*

EZ80 MA with ZG, rubber track, with short dipper stick

A	MAX.				5 m				4 m				3 m				2 m			
B	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV
4 m	2,094*	1,134	1,240	1,510	2,074*	1,195	1,307	1,587	2,043*	1,752	1,933	2,043*	–	–	–	–	–	–	–	–
3 m	2,079*	956	1,044	1,284	2,131*	1,176	1,287	1,567	2,340*	1,690	1,867	2,247	–	–	–	–	–	–	–	–
2 m	2,098*	871	951	1,179	2,336*	1,130	1,239	1,519	2,859*	1,587	1,758	2,137	4,164*	2,444	2,777	3,363	–	–	–	–
1 m	2,134*	842	921	1,148	2,546*	1,078	1,185	1,465	3,346*	1,483	1,649	2,027	5,275*	2,218	2,532	3,117	–	–	–	–
0 m	2,176*	864	948	1,183	2,637*	1,041	1,146	1,426	3,561*	1,417	1,579	1,957	5,416*	2,136	2,444	3,028	–	–	–	–
-1 m	2,206*	955	1,050	1,310	2,470*	1,029	1,134	1,414	3,415*	1,394	1,555	1,934	4,975*	2,128	2,435	3,019	8,173*	4,360	5,401	6,682
-2 m	2,165*	1,190	1,316	1,632	–	–	–	–	2,780*	1,415	1,577	1,956	4,000*	2,166	2,476	3,060	6,240*	4,442	5,496	6,240*

ET90 with counterweight

A	MAX.		5 m		4 m		3 m		2 m	
B	C	D	C	D	C	D	C	D	C	D
	Blade down		Blade down		Blade down		Blade down		Blade down	
4 m	1,847*	1,671	1,857*	1,857	1,961*	1,961	–	–	–	–
3 m	1,818*	1,462	1,964*	1,935	2,260*	2,260	–	–	–	–
2 m	1,814*	1,360	2,145*	1,872	2,681*	2,610	3,943*	3,943*	–	–
1 m	1,821*	1,329	2,309*	1,810	3,032*	2,488	4,625*	3,811	–	–
0 m	1,828*	1,363	2,369*	1,764	3,155*	2,413	4,601*	3,727	–	–
-1 m	1,820*	1,481	2,251*	1,745	3,011*	2,386	4,206*	3,719	6,092*	6,092*
-2 m	1,756*	1,756	1,778	1,766	2,558*	2,400	3,484*	3,484*	4,920*	4,920*

ET145 with short dipper stick, steel track or hybrid track

A	MAX.		6 m		5 m		4 m		3 m	
B	C	C	C	C	C	C	C	C	C	C
	Blade down	Blade up	Blade down	Blade up	Blade down	Blade up	Blade down	Blade up	Blade down	Blade up
6 m	3,271*	2,878	–	–	3,234*	2,946	–	–	–	–
4 m	3,301*	1,909	3,263*	2,170	3,349*	2,893	3,572*	3,572*	–	–
2 m	3,485*	1,664	3,828*	2,040	4,543*	2,636	6,064*	3,569	–	–
0 m	3,758*	1,668	4,303*	1,927	5,400*	2,448	7,333*	3,293	10,898*	5,002
-2 m	4,094*	2,093	–	–	4,992*	2,443	6,629*	3,308	9,238*	5,096

EW65 with short dipper stick, articulated boom and dual tires

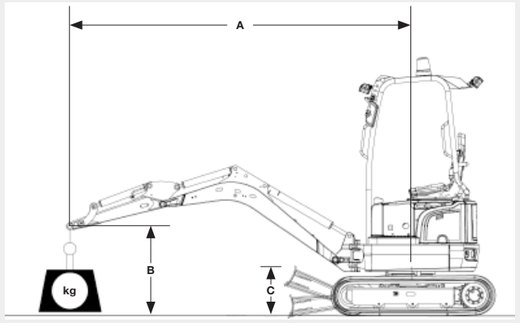
A	MAX.				5 m				4 m				3 m				2 m			
B	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV
4 m	1,190	1,190	913	1,011	–	–	–	–	1,240	1,240	1,240	1,240	–	–	–	–	–	–	–	–
3 m	1,141*	1,141*	766*	866	1,181*	1,181	879*	994	1,360*	1,360*	1,265*	1,360*	1,721*	1,721*	1,721*	1,721*	–	–	–	–
2 m	1,118	1,118	697	791	1,242	1,242	844	957	1,554	1,554	1,180	1,345	2,260	2,260	1,777	2,062	3,234	3,234	3,234	3,234
1 m	1,102*	1,102	677	770	1,291*	1,291*	806*	918	1,703*	1,703	1,101*	1,262	2,571*	2,571*	1,619*	1,893	4,961*	4,961*	3,150	3,881
0 m	968*	968*	703*	802	1,259*	1,259*	783	894	1,712*	1,712*	1,056*	1,216	2,488*	2,488*	1,569*	1,840	4,088*	4,088*	3,045*	3,763
-1 m	1,027*	1,027*	795*	907	–	–	–	–	1,528*	1,528*	1,050*	1,209	2,148*	2,148*	1,576*	1,847*	3,040*	3,040*	3,040*	3,040*
-2 m	869	869	869	869	–	–	–	–	1,003	1,003	1,003	1,003	1,506	1,506	1,506	1,506	2,764	2,764	2,764	2,764

EW100 with short dipper stick, articulated boom and dual tires, rear dozer blade

A	MAX.				6 m				5 m				4 m				3 m			
B	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV	I	II.	III.	IV
3 m	1,720	815	1,350	935	1,835	965	1,565	1,095	2,135	1,295	2,085	1,470	2,695	1,830	2,695	2,075	3,130	3,025	3,130	3,130
1.5 m	1,640	760	1,275	875	1,920	905	1,505	1,035	2,400	1,180	1,960	1,350	3,280	1,595	2,700	1,835	4,715	2,600	4,505	3,015
0 m	1,545	790	1,330	910	1,840	870	1,465	1,000	2,395	1,110	1,885	1,280	3,225	1,500	2,600	1,740	4,850	2,330	4,195	2,735
-1 m	1,420	875	1,420	1,005	1,470	880	1,470	1,010	2,145	1,100	1,880	1,270	2,845	1,500	2,600	1,740	3,725	2,340	3,725	2,740

I Vehicle against the driving direction with dozer blade support, tilt by dozer blade
II Vehicle against the driving direction without dozer blade support, tilt by rear axle
III Vehicle in the driving direction without dozer blade support, tilt by front axle
IV Vehicle without dozer blade support, 90° to the driving direction

All table values are given in kg in a horizontal position on a solid surface and without bucket.



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: With or without dozer blade support in the traveling direction
D: With or without dozer blade support 90° to the travel direction

* Lifting force limited by hydraulics
** Transverse direction, extended travel gear

Technical data

TRACKED AND WHEELED EXCAVATORS

		ET65	EZ80	ET90	ET145	EW65	EW100
GENERAL	**UNIT**						
Shipping weight*	**kg**	5,806 –6,682	7,588 –8,877	8,348 –9,625	14,917–15,701	6,472 –7,720	9,241 – 10,461
Operating weight	**kg**	6,078 –6,954	7,918 –9,208	8,710 –9,988	15,551–16,335	6,755 –8,003	9,685 – 11,036
Max. ripping force**	**kN according to ISO 6015**	30.8	43.7	46	69	30.8	47
Max. break out force	**kN according to ISO 6015**	50.7	68	73.8	91	50.7	54.1
ENGINE	**UNIT**						
Manufacturer	**–**	Perkins	Perkins	Deutz	Perkins	Perkins	Perkins
Model	**–**	404D-22T	404D-22T	TCD 2.9 DOC only	854E-E34TAWF	404D-22T	854E-E34TAWF
Design system	**–**	Liquid-cooled, 4-cylinder Yanmar turbo diesel engine					
Displacement	**cm^3**	2,216	2,216	2,925	3,400	2,216	3,387
Engine output	**according to ISO kW/hp**	36.3/49.4	36.2/49.2	55/75	55.1/74.9	36.3/49.4	55/75
Fuel tank volume	**l**	85	85	85	205	85	170
HYDRAULICS	**UNIT**						
Hydraulic system/pumps	**–**	LUDV with variable displacement pump			Negative control with double variable displacement pump and 2 gear pumps	LUDV with variable displacement pump, separate travel pump	
Max. flow rate	**l/min**	144	160	175	2 x 118 + 20 + 36	158.4 + 99	180
Operating pressure for work and drive hydraulics	**bar**	240	300	300	340	240/420	290/440
Operating pressure for swing gear	**bar**	215	240	240	320	215	–
Auxiliary hydraulics, max. discharge volume	**l/min**	107	113	113	121	107	117
TRAVEL GEAR	**UNIT**						
Ground clearance	**mm**	284	357	370	480	237	340
Max. travel speed	**km/h**	5.2	4.4	5	5	Up to 30	Up to 30
Ground pressure of base machine	**kg/cm^2**	0.35	0.36	0.40	0.50	–	–
NOISE EMISSIONS	**UNIT**						
Sound power level (L_{WA})	**dBA according to 2000/14/EC**	97	97	99	99	97	96
Sound pressure level (L_{PA})	**dBA according to ISO 6394**	77	79	79	75	77	76

* Basic machine + 10% fuel tank contents ** short dipper arm

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

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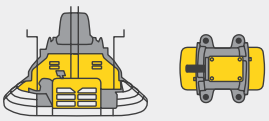
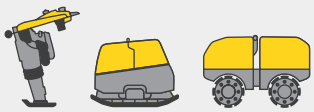
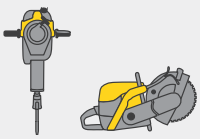
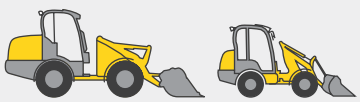
Products

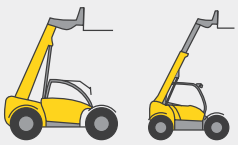

Concrete technology

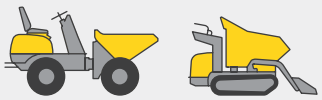

Compaction

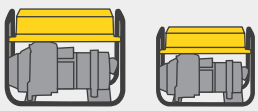

Demolition technology

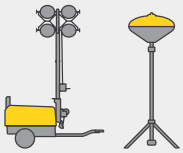

Excavators

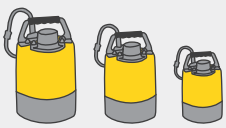

Wheel loaders

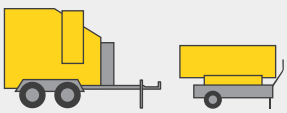

Telehandlers


Dumpers


Generators


Lighting


Pumps


Heaters


Used equipment

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