Tracked and wheeled excavators

WACKER NEUSON
all it takes!

These reasons speak for tracked and wheeled excavators from Wacker Neuson.

1. Uncompromising economic efficiency! With innovations for optimal lifting force.
Powerful, maneuverable, stable, fast and also economical with fuel consumption – the Wacker Neuson excavators are among the best in their class. For we pay attention to every detail in the excavator design and development. Ultimately you should always carry out your work accurately and quickly with the right performance. So you profit from our innovative strength.

2. Reliable operation! With proven quality from excavator specialists.
Whether used in road and highway construction, on uneven terrain or in interior spaces: Excavators from Wacker Neuson fulfill their requirements right on the mart. You can therefore totally rely on the interplay of intelligent functions, high-quality materials and first-class workmanship.

3. Your needs in focus! With a complete selection of products and services.
You will not just find the right excavator in our extensive range, but also attachments for various applications. You therefore receive a solution tailor-made to your requirements. This of course also includes our services rendered for the procurement of your Wacker Neuson products up to the commissioning of your machines. 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.

ECOlogy + ECOnomy = ECO

Our goal is to offer our customers solutions that are excellent in terms of economic efficiency as well as in terms of environmental friendliness – and we can also prove this endeavor with facts and figures. We distinguish products that meet these two criteria to a particularly high degree with our ECO seal, which stands for ECOlogy (environmental friendliness) and ECOnomy (economic efficiency).

ECOlogy + ECOnomy =

All excavators in an overview.

	803	803 dualpower	1404	EZ17	ET18	ET20	ET24	2503	EZ28
Shipping weight:	932–992 kg > Page 06	955–1,015 kg > Page 07	1,402–1,602 kg > Page 08	1,596–1,822 kg > Page 09	1,582–2,060 kg	1,862–2,182 kg	2,057–2,401 kg > Page 10	2,483–2,794 kg > Page 12	2,575–3,222 kg > Page 14

	3503	EZ38	EZ53	ET65	EZ80	ET90	ET145	EW65	EW100
Shipping weight:	3,425–4,108 kg > Page 13	3,582–4,303 kg > Page 15	4,968–6,165 kg > Page 16	5,806–6,682 kg > Page 18	7,588–8,877 kg > Page 22	8,348–9,625 kg > Page 18	14,917–15,701 kg > Page 24	6,472–7,720 kg > Page 28	9,241–10,461 kg > Page 30

Your custom excavators from Wacker Neuson.

Make a Wacker Neuson excavator into exactly the machine you need. Depending on the model, many intelligent functions and outfitting options are available to you for this purpose. We have compiled some of them for you here. They will help you to adapt your excavators to specific requirements. In this way, you work efficiently and achieve maximum productivity with your Wacker Neuson excavator in every application.

Continuous superstructure tipping VDS

VDS is available for: ET18, ET20, ET24, EZ28, 3505, EZ38, EZ53

Easily master excavation work - and thereby reduce the material and the time required by another 25%: this is done by the Vertical Digging System from Wacker Neuson. The superstructure can be tilted continuously by up to 15°, thereby easily compensating for slopes of up to 27%.

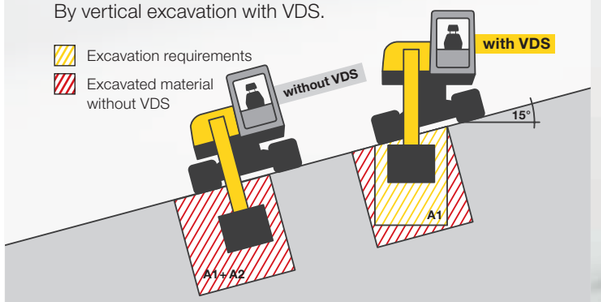
Work much faster with VDS

- Up to 25% material and time savings when excavating and filling*
- Safe work due to up to 20 % increase in stability*
- A good line-of-sight at all times, because the same swing power is ensured over 360°
- Fatigue-free working due to familiar seat position

* on a 15° gradient

Reduce the excavated volume

By vertical excavation with VDS.



Excavation requirements:
(A1 + A2) x length
(0.75 + 0.25) x 100 **= 100 m³**

Excavation requirements:
A1 x length
0.75 x 100 **= 75 m³**

Global monitoring system

Reduce the risk of machine theft: with telematics – our global monitoring system. Using Geofence technology, you determine the area in which the machine is to be used, and you will be informed as soon as a machine is outside of this area.

Reliable and secure

- 100 % reliable position indication by GPS
- Ideal for nights and on weekends
- Immediately alarms you by SMS or e-mail when your machine leaves the defined area

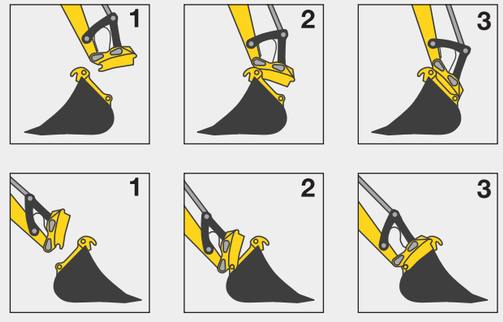
TELEMATICS

Long service life

High-quality materials and first-class processing - Wacker Neuson products meet the highest quality requirements. The solid steel structure of the machine is powder-coated, making it robust against mechanical influences and corrosion. Thicker bolts and the use of steel bushings provide additional stability.

Quick-hitch system

Replace the attachment in less than 30 seconds - using the Easy Lock hydraulic quick-hitch 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.



The right attachment for every application

Whether bucket, grapple or mulcher - the greater number of ways you use your excavator from Wacker Neuson, the better its workload. We offer a large selection of attachments for that purpose. This allows all jobs at hand to be finished more efficiently and effectively.

Can be used in a wide variety of situations with attachments, e.g. a stone grab.

803

The smallest tracked excavator from Wacker Neuson is optimal when there is little space and when working in interior spaces, e.g. during rehabilitation. At very narrow locations the hydraulic telescopic travel gear and the dozer blade can be reduced to 700 mm, and the ROPS special safety bar can be folded down. And the reduced tail swing radius also provides maximum mobility within a narrow space.

- The largest engine output in this class: 3-cylinder engine, additional hydraulic performance, optimal cooling
- Lifting arm cylinder at the top of the boom optimally protected against damage
- Safe working thanks to the optional shatter protection
- Very good access for service due to a large engine hood and removable covers

	803
Shipping weight (kg)	**932–992**
Digging depth (mm)	**1,763**
Engine output (kW)	**9.6**

Easily fits through standard doors thanks to its slim design - ideal for indoor applications.

803 dualpower

Ideal for use in closed spaces or in urban areas: you can connect an emission-free auxiliary drive to the 803 dual power in a few easy steps.

- Depending on the site of application, optionally with diesel operation or an electro-hydraulic unit
- No performance loss due to electric operation
- Simple plug and play connection of the unit to the undercarriage
- 10 m long hose for freedom of movement on the construction site
- Quick transport to the next building site: The unit is quickly loaded onto the transport vehicle

	HPU8
Weigh* (kg)	**192**
Engine output (kW)	**7.5**
Requirement (V)	**400**

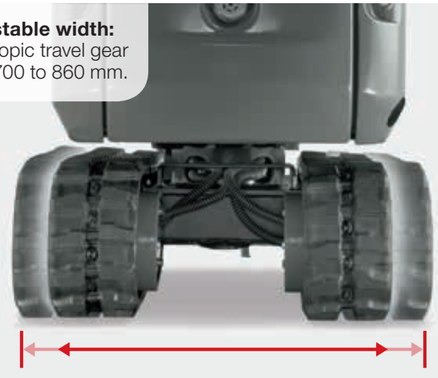
* Includes hydraulic oil

Tip: configure/order your 803 excavator with the dual power option - and just rent the power unit as required!

Tracked excavator 803 | Dual power option | Electro- hydraulic power unit HPU8

In addition to the existing diesel engine, the tracked excavator can be operated emission-free via an electro-hydraulic power unit.

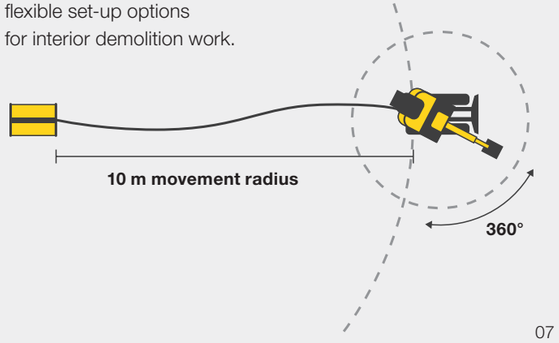
Adjustable width: telescopic travel gear from 700 to 860 mm.



Practical for low passages: the roll-over protective structure special safety bar can be folded down.

Quick relocation on site: simply hook up the power unit to the dozer blade.

Full freedom of movement, zero emissions:
flexible set-up options
for interior demolition work.



1404

Maximize the usage times of your machine by fast transport: For instance, the 1404 can be quickly brought to the next building site on a car trailer. And for easy and safe lifting of the machine, there are two lifting lugs on the canopy or the cabin roof.

	1404
Shipping weight (kg)	**1,402–1,602**
Digging depth with short dipper stick (mm)	**2,242**
Engine output (kW)	**13.2**

- Most powerful drive of its class
- Load sensing hydraulic system with LUDV* for precise work and an optimal result
- Large comfortable cab for superb all-round visibility as well as leg and headroom
- Flexible when there is little space: telescopic travel gear 990–1,300 mm, folding dozer blade extension, demountable canopy/cabin without impairment to any functions
- Very good access for service: large engine hood and removable covers
- Lifting arm cylinder at the top of the boom optimally protected against damage
- High-performance two-way auxiliary hydraulics with its own, pressureless return pipe

* Load-independent flow distribution

Easy to transport - even with a car trailer thanks to compact dimensions and a weight under 1.7 t.

Two lifting lugs: the 1404 therefore remains balanced when offsetting and can be safely placed down.

Extremely mobile: due to the flexibility of the swivel console.

Easy transport with a car trailer:
thanks to compact dimensions and a weight below 1.7 tons

EZ17 zero tail

The EZ17 is designed without tail overhang. This allows you a high level of mobility, even when working in the direct vicinity of walls or building walls.

	EZ17
Shipping weight (kg)	**1,596–1,822**
Digging depth with short dipper stick (mm)	**2,326**
Engine output (kW)	**13.4**

- Can be easily transported with a car trailer
- Most powerful drive of its class in conjunction with load-sensing hydraulic system with LUDV* and variable displacement pump
- Up to 4 additional control circuits are possible for multi-functional attachments
- Flexible when there is little space: Telescopic travel gear 990–1,300 mm, folding dozer blade extension, demountable canopy without impairment to any functions
- Good all-round visibility due to canopy with roof window for even more safety
- Ideal access for service: large engine hood, foldable seat console and removable covers
- Even better stability due to optional additional rear weight

* Load-independent flow distribution

Complete excavation work more quickly
thanks to the excellent excavation performance.

Perfect view of the work area:
upwards thanks to the roof window and to the rear due to no tail swing.

High level of mobility even at walls due to no tail overhang.

ET18, ET20, ET24

These three models have been tuned for high performance: The ET18 fascinates by its superior power, the ET20 is marked by exceptional digging values and the ET24 has the same power as a 2.5 ton machine.

- Intelligent cooling system for working under full load at high ambient temperature
- Flexible when there is little space: Telescopic travel gear 990–1,300 mm (ET18, ET20), folding dozer blade extension and low clearance heights with the canopy removed
- Large comfortable cabin with many sophisticated functions
- Cabin and canopy can be removed without impairing functions
- Up to 25 % savings of time and material thanks to Vertical Digging System (VDS)
- Can be easily transported with a car trailer
- Ideal access for service: large engine hood and removable covers
- Many options available ex works e.g. long dozer blade, overload valves, idling speed automatic

ALL ADVANTAGES OF 15° VDS on page 04

Most powerful total performance in its class with up to 30 % higher performance than comparable machines.

	ET18
Shipping weight (kg)	**1,582–2,060**
Digging depth with short dipper stick (mm)	**2,197**
Engine output (kW)	**13.4**

	ET20
Shipping weight (kg)	**1,862–2,182**
Digging depth with short dipper stick (mm)	**2,483**
Engine output (kW)	**13.4**

Best digging values and dumping height with first-class stability due to travel gear and lifting arm system specially adapted to the 2 ton weight class.

Lightweight and powerful: Can be transported on a car trailer and provides the performance of a 2.5 ton excavator.

	ET24
Shipping weight (kg)	**2,057–2,401**
Digging depth with short dipper stick (mm)	**2,402**
Engine output (kW)	**13.4**

2 lifting lugs for easy lifting and moving.

Balances perfectly on slopes: the Vertical Digging System (VDS).

Up to 4 additional auxiliary control circuits are optionally available ex works.

Practical in everyday construction site application: two-piece front windshield can be pushed up if necessary.

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

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

Extremely ergonomic, since there is plenty of legroom and headroom and an individually adjustable operator's seat.

2503, 3503

High level of productivity and excellent work results can be achieved with the 2503 and 3503 thanks to the powerful diesel engines with high torque. At the same time, these machines provide you with a high level of running smoothness and low noise development.

	2503
Shipping weight (kg)	**2,483–2,794**
Digging depth with short dipper stick (mm)	**2,620**
Engine output (kW)	**19.4**

- Low width and height ensure easy transport and good application conditions in narrow spaces
- Long service life and high resale value due to very robust, tried and tested design
- Very good access for service: large engine hood, extendable rear weights and removable chassis covers
- Large comfortable cabin with many sophisticated functions
- Stable X frame with easy-to-clean travel gear
- Ideal for low clearance heights, since the canopy or cabin can be removed
- Up to 4 auxiliary control circuits with their own pressureless return pipe for multi-functional attachments
- Optionally available ex-factory: Overload valves, automatic idling speed and much more

Extremely sturdy, compact and powerful – this ensures a long service life.

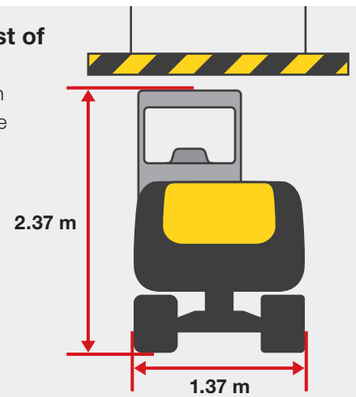
ALL ADVANTAGES TO VDS on page 04

	3503
Shipping weight (kg)	**3,425–4,108**
Digging depth with short dipper stick (mm)	**3,230**
Engine output (kW)	**23.7**

The best of both classes:
dimensions of the 3.5 ton class with the drive performance of a 5-ton excavator.

Full access for fast maintenance, even the side sections of the rear weight can be pulled out.

One of the lowest of its class:
the 2503 is ideal when there isn't much space



Slopes of up to 27 % are easily compensated by the Vertical Digging System (VDS).

Very precise work thanks to hydraulic, pilot controlled pedals.

EZ28, EZ38 zero tail

Compact and comfortable - the zero tail excavators EZ28 and EZ38 prove that both are possible. For instance, due to their design without tail overhang you can also perform lateral work movements at edges. At the same time, the models have a spacious cabin with many comfort functions.

- High performance at low weight and therefore suitable for transport with a car trailer
- Comfortable cabin with many sophisticated functions
- Compact dimensions due to removable canopy are ideal at low headrooms
- Up to 25 % savings of time and material thanks to Vertical Digging System (VDS)
- Ideal service access: large, side-mounted engine hood and large removable chassis covers on the inside and outside and a tiltable cabin on the EZ38
- Up to 4 auxiliary control circuits with their own pressureless return pipe for multi-functional attachments
- Many options available ex factory, e.g. overload valves, idling speed automatic

	EZ28
Shipping weight (kg)	**2,575–3,222**
Digging depth with short dipper stick (mm)	**2,544**
Engine output (kW)	**15.2**

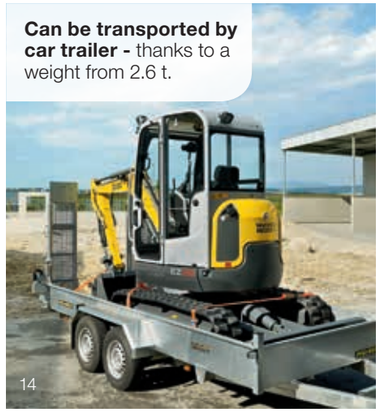
ALL ADVANTAGES TO 15° VDS on page 04

	EZ38
Shipping weight (kg)	**3,582–4,303**
Digging depth with short dipper stick arm (mm)	**3,107**
Engine output (kW)	**21.4**

Cabin comfort in every respect: enough space, practical dividing mechanism of the front windows and functions such as adjustable proportional control.

Compact dimensions, removable cabin: the EZ28 only takes up little space when transported or in applications.

Can be transported by car trailer - thanks to a weight from 2.6 t.



Sensitive operation and exact work using hydraulic pilot controlled pedals.

Can be used in a wide variety of functions with attachments such as the demolition breaker.

Easy to assemble: additional rear weight made of solid cast steel for more stability and excavating power.

Practical in everyday construction site application:
two-piece front windshield can be pushed up if necessary.

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

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

EZ53 zero tail

High excavation performance even at locations difficult to access - you can achieve this with the largest zero tail models from Wacker Neuson. Because with the EZ53, the rear never projects beyond the undercarriage.

- New technology for significantly higher engine and hydraulic performance with simultaneously reduced fuel consumption
- Higher materials handling through improved excavation performance and higher performance of the turbo diesel engine
- 25 % savings of time and material thanks to Vertical Digging System (VDS)
- Very spacious comfort cabin
- Exceptional service access due to tilting cab, large, side-mounted engine hood and large removable chassis covers on the inside and the outside
- Up to 5 auxiliary control circuits with their own pressureless return pipe for multi-functional attachments
- Optional additional rear weight for increased stability
- Many options available ex factory, e.g. overload valves

MOST POWERFUL EXCAVATOR *in its class*

Convincing: better material handling, thanks to optimized excavation and handling performance.

	EZ53
Shipping weight (kg)	**4,968–6,165**
Digging depth with short dipper stick (mm)	**3,501**
Engine output (kW)	**36.3**

Learn more about our vertical digging system:
www.wackerneuson.com/vds

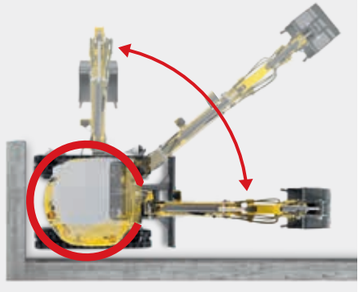
Practical in everyday construction site application:
two-piece front windshield.

The lower window slides behind the upper window.

If necessary, both windows can be slid under the cabin roof.

Optimal service access due to large cover of the lateral engine.

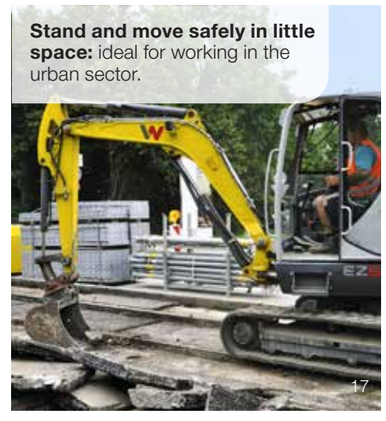
No tail overhang
For safe work in road and urban development



The cabin can be tilted to the side in a few easy steps for maintenance.

18 % more stability due to retrofittable counter weight (optional).

The productivity is great here: higher digging forces for faster excavation.



Stand and move safely in little space: ideal for working in the urban sector.

ET65, ET90

ET65 and ET90 are excavators whose design directly includes many wishes of the customer. The result: High performance machines with tremendous excavation forces and very economical fuel consumption. And this means for you: up to 30 percent more productivity, up to 20 percent less consumption.* We have highlighted additional details on the excavators – **they always apply to both models.**

Optional articulated boom
for greater reach, digging depth and dumping height

High level of cabin comfort
thanks to the clearly arranged display, sliding windows that open on both sides, automatic air-conditioning, air-cushioned driver's seat with seat heating and much more

Tiltable cabin, removable chassis covers and a diagnostic tool make maintenance easier

Optionally available **diesel particulate filter**

Load sensing hydraulic system
with LUDV*** for precise work

*** Load-independent flow distribution

Powerful excavation performance due to high excavating forces and 3-point kinematics

Very good digging performance
due to 20% more breakaway force

Up to 5 additional control circuits
for various attachments

All-around lighting
from headlights at the chassis

4 track versions
for all applications

8 large tie-downs
for simple tying down and safe transport

With up to 20% less fuel consumption,* operating costs are significantly reduced.

* When compared to the previous model

	ET65
Shipping weight (kg)	**5,806–6,682**
Digging depth** with short dipper stick (mm)	**3,893**
Engine output (kW)	**36.3**

	ET90
Shipping weight (kg)	**8,348–9,625**
Digging depth** with short dipper stick (mm)	**4,379**
Engine output (kW)	**55**

** With articulated boom

Experience the ET65 or ET90 in action:
www.wackerneuson.com/6-10t

ET65, ET90

Up to 20% LESS FUEL CONSUMPTION!*

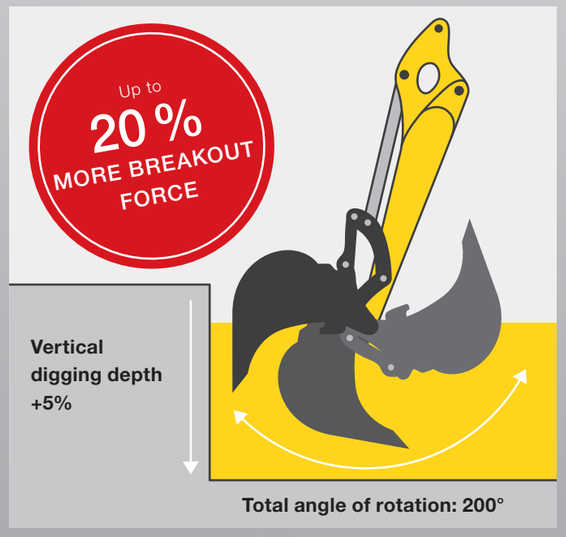
* When compared to the previous model

Optimal service access
Thanks to the tiltable chassis cover and cabin.

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 excavating power.

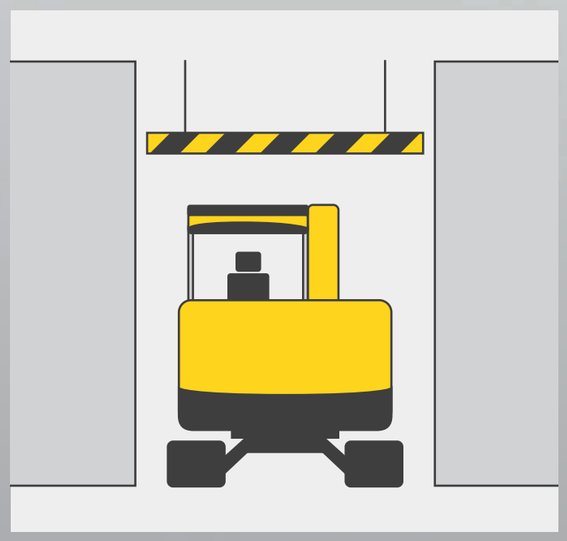
- Optimal insertion angle rotation of the bucket
- Digs even deeper vertically
- More powerful excavating
- Improved dumping behavior and less material loss



Reduced dimensions

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

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



Optimal visibility

Safe and productive working starts with a good view of the working area. With the ET65 and ET90, you now have an even better view of the attachment, since the position of the boom was changed slightly.

Value-added cabin comfort

Adjust the ET65 and ET90 to your individual requirements. These are some of the options you have for this:

- User-friendly jog dial with individually savable settings
- LED headlights for better lighting
- Rear camera for ideal rear view
- Two-part front windshield that can be completely slid under the cabin roof
- Air-cushioned comfort seat including seat heating for increased operating comfort
- Powerful air-conditioning system for a pleasant working temperature at all times

EZ80 zero tail

The EZ80 is the largest zero tail tracked excavator from Wacker Neuson and combines a whole range of benefits: With an excavation depth of over four meters and good digging values, excavation work can be completed quickly. Since the machine has short tail overhang, it can easily work along walls or other boundaries. In addition, the EZ80 convinces with a very low fuel consumption.

	EZ80
Shipping weight (kg)	**7,588–8,877**
Digging depth with short dipper stick (mm)	**3,919**
Engine output (kW)	**36.2**

High level of cabin comfort clearly arranged display, windows that open on both sides, two-part front windshield – optionally with automatic air-conditioning and air-cushioned driver's seat, including seat heating

Load sensing hydraulic system with LUDV* for precise work

* Load-independent flow distribution

Tiltable cabin, removable chassis covers and a diagnostic tool make maintenance easier

Engine placed in the rear for even more stability

Strong excavation performance thanks to the higher digging forces

With up to 20% less fuel consumption,* operating costs are significantly reduced.

All-around lighting due to the headlights in the chassis

Zero tail and therefore a very short tail overhang

4 tracked versions for all applications

8 large tie-downs for safe transport

Work safely with very short tail overhang, such as on the edge of the road or in front of a wall of a house.

Low-consumption work and high fuel savings due to ECO mode.

Your benefits

All-around compact dimensions: ideal for working in confined spaces.

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

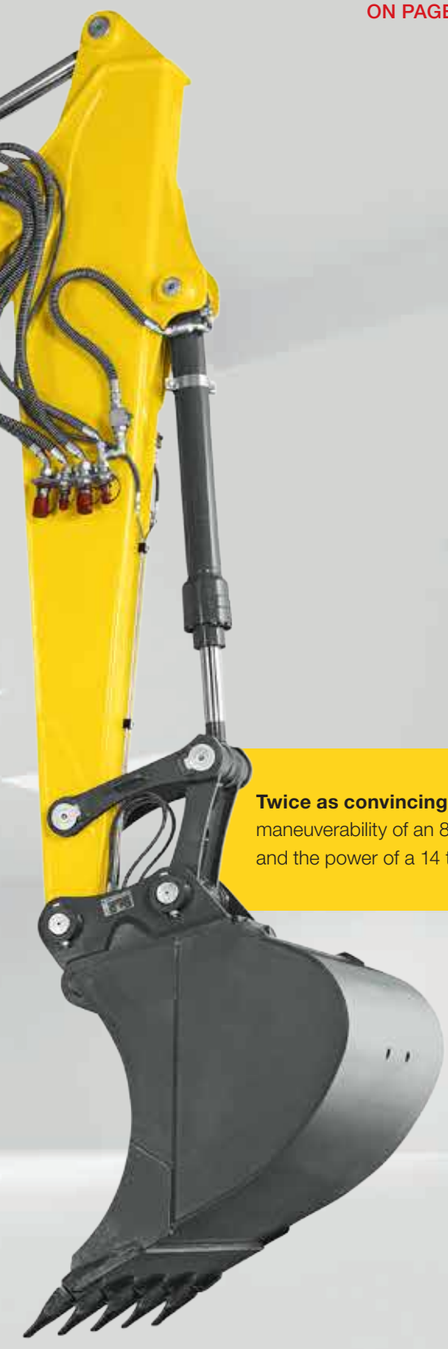
MORE ABOUT ET145
ON PAGES 26/27

ET145

As the world's largest compact excavator, the ET145 is extremely powerful and productive and clears a great amount in all situations. At the same time, it impresses with its enormous maneuverability - thanks to its swiveling console.

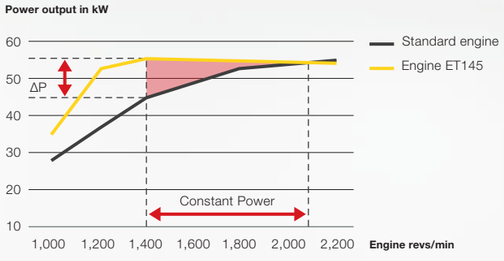
- Maximum maneuverability even in very narrow excavation areas due to swiveling console
- Low front swivel radius
- Optimally fitted for all surfaces with steel tracks and optional rubber or hybrid tracks
- Standard stabilizing dozer blade for maximum lifting force and stability
- Up to 5 additional control circuits are possible for complex, multi-functional and especially powerful attachments
- Well-coordinated hydraulic system to precisely perform all work movements
- Reduced fuel consumption at the same excavating power thanks to optimized 55 kW engine
- Simple maintenance due to removable covers
- For a wide range of applications: trench construction, road construction, rehabilitation and materials handling

UNIQUE
14 t excavator with swiveling console



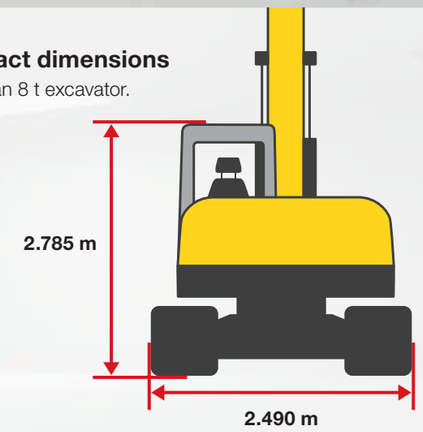
Twice as convincing: size and maneuverability of an 8 t excavator and the power of a 14 t machine.

Full power of the engine
even at low speed



	ET145
Shipping weight (kg)	**14,917–15,701**
Digging depth with short dipper stick (mm)	**4,981**
Engine output (kW)	**55**

Compact dimensions
Just as an 8 t excavator.



ET145 with swiveling console for higher productivity

The swiveling console makes the ET145 into a real one-of-a-kind 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 swiveling console …
- allows you to work along walls and trenches
- facilitates work at obstacles such as pipes or flowing traffic
- improves the area of visibility, for example during excavation work in trench areas
- has a swiveling angle range of 70° left and 57° right

Optimized 55 kW engine

The maximum torque and therefore full power even at a low speed: You can expect this from the 55 kW engine of the ET145. Benefit from a very good digging performance with a simultaneously low diesel consumption.

Including high level of operating comfort

The ET145 scores with numerous features installed as standard. For example:
- Overload warning device with hose rupture valves for lifting arm, bucket and dozer blade cylinder.
- Auxiliary hydraulics and 3rd (proportional-controlled) control circuit
- Has its own pressureless return pipe especially for hydraulic attachments
- Electrical fuel tanking pump
- Central operation using jog-dial system
- Rear view camera with integrated 7''- display as reversing aid
- Two-part front windshield that can be completely slid under the cabin roof if necessary
- Automatic air-conditioning
- CD-Radio set
- Additional working headlights at the side in the chassis, as well as at the lifting arm (left and right)
- Dozer blade and dozer blade lever with integrated switchover for 2nd travel speed increase/reduction

Selection of three tracked versions

1 **The steel track:** ideal during demolition work and on sharp-edged surfaces
2 **The rubber track:** applications on roads and asphalt, paving stones and in green spaces that is gentle on the soil
3 **The hybrid track:** in difficult terrain with sensitive surfaces

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

EW65

An excavator that you can easily drive to the next site: thanks to road mode, that is possible using the EW65 wheeled excavator. You therefore avoid the use of a transport vehicle every time you have to change locations. Loading times are also avoided.

- Low fuel consumption - independent of other movements (incl. attachments)
- Automotive driving due to closed driving hydraulics
- Even with different loads, the same speeds during several movements due to the Load Sensing Hydraulic System LUDV*
- 5 control circuits, 3 of them individually adjustable
- High level of cabin comfort thanks to the clearly arranged display, sliding windows that open on both sides, automatic air-conditioning, air-cushioned driver's seat with seat heating and much more.
- Front windshield are two-part and can be completely slide under the cabin roof if necessary
- Individual adjustments possible: LED headlights, rear view camera, automatic air conditioning, air-cushioned operator's seat with seat heating

* Load-independent flow distribution

Articulated boom
for even more efficient and faster work

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

** With articulated boom

Tiltable cabin
for easy maintenance

Changes location on its own axle -
thanks to powerful drive, continuously variable from 0 to 30 km/h.

All-around lighting
from headlights in the chassis

Efficient drive system,
continuously variable from 0 to 30 km/h

Support stabilizers
for a stable secure base

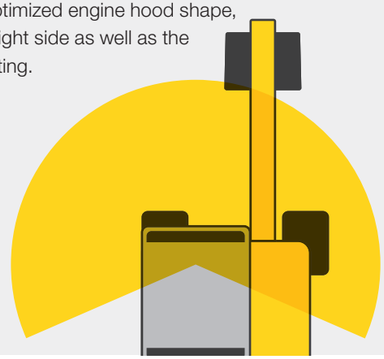
6 large tie-downs
for safe transport

Dozer blade and counterweights
for a high level of stability

Optimal tires
for all surfaces

Good visibility

through the optimized engine hood shape, boom on the right side as well as the all-around lighting.



Powerful in use, low in fuel consumption

due to ECO mode

Your benefits

Stabilizers and dozer blade can be mounted at the front or rear.

Finely-controlled arm movements at full power.

MORE ABOUT EW100
ON PAGES 32/33

EW100

The EW100 completes any construction site move in the shortest of time – with a maximum speed of up to 40 km/h. You therefore save money, because an additional transport vehicle is superfluous.

- The best work results due to two engine versions: 55 kW or 86 kW
- Low fuel consumption - independent of other movements (incl. attachments)
- Control from powerful to sensitive: always the optimum power thanks to Load Sensing Hydraulic System LUDV*
- Control all central function directly using the jog-dial system
- Maximum connection possibilities with up to 5 control circuits, 3 of which can be individually adjusted
- Front windshield are two-part and can be completely slide under the cabin roof if necessary

* Load-independent flow distribution

Articulated boom as standard for even more efficient and faster work

Large comfort cabin with many sophisticated functions

Tiltable cabin, large engine hood and removable chassis covers for ideal service access

Closed driving hydraulics for automotive driving

Optimal tires for all surfaces

Efficient, high power **drive system**

To the next site of application at up to 40 km/h: EW100.

Experience the EW100 in action:
www.wackerneuson.com/ew100

Lose no time: quickly change construction sites at up to 40 km/h with the EW100.

Low-consumption work and high fuel savings due to ECO mode

Your benefits

Powerful and sensitive at the same time: the EW100 with Load Sensing hydraulic system with LUDV.*

	EW100
Shipping weight (kg)	**9,241 – 10,461**
Digging depth** with short dipper stick (mm)	**3,941**
Engine output (kW)	**86 / 117**

** With articulated boom

EW100 with standard articulated boom

The articulated boom of the EW100 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.

Standard articulated boom
for more maneuverability
and larger action radius.

First-class performance

From powerful to sensitive: The EW100 has a large range of excavation methods and can be adjusted to the requirement at hand. The extraordinary result is due to the optimally adjusted Load Sensing Hydraulic System with LUDV*, which also ensures lower fuel consumption.

* Load-independent flow distribution

Three types of steering

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

1 **All-wheel steering** for a particularly small turning radius.
2 **Front axle steering** for fast driving on the road.
3 **Crab steering** for parallel guidance, e.g. at buildings.

Increased stability

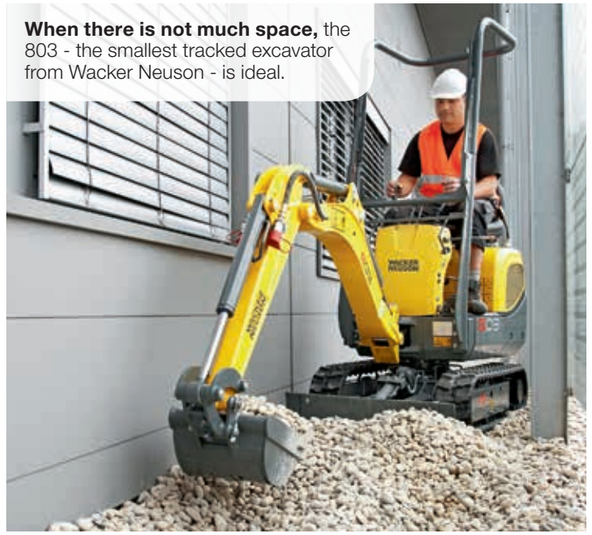
A stable, sure footing is essential - above all during heavy excavation work or on difficult terrain. You can use the dozer blade and the stabilizers for support.

The right solution for every application.

You are ideally equipped for any situation with the tracked and wheeled excavators from Wacker Neuson. Thanks to their innovative functions, sophisticated details and various attachments, the excavators can cope with any conditions. So you can even work efficiently in difficult ground conditions. And due to the finely tiered product range, the machines provide exactly the performance required.

Optimally integrated: demolition breaker in Wacker Neuson quality.

Zero tail tracked excavator: optimal when working at the roadside.



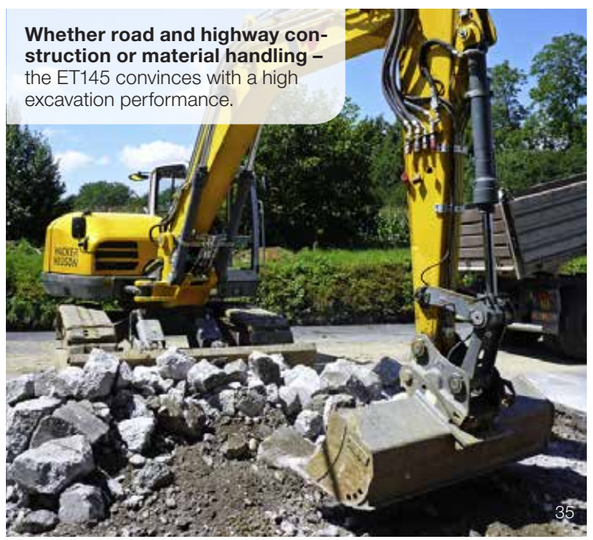
When there is not much space, the 803 - the smallest tracked excavator from Wacker Neuson - is ideal.

Always a straight seat position - due to the VDS of the stepless tipping option of the superstructure.

Whether construction site or off road: the ET90 acts superior in the tightest of spaces.

High level of stability for any application is proven by the ET145.

Extremely fast: the EW100 completes a construction site change at up to 40 km/h.



Whether road and highway construction or material handling – the ET145 convinces with a high excavation performance.

Configuration options

TRACKED AND WHEELED EXCAVATORS

	803	803 dualpower	1404	EZ17	ET18	ET20	ET24	2503	EZ28	3503	EZ38	EZ53	ET65	EZ80	ET90	ET145	EW65	EW100
CABIN																		
Canopy with rear window	–	–	○	–	○	○	○	○	○	○	○	○	–	–	–	–	–	–
Standard cab	–	–	○	–	○	○	○	○	○	○	○	○	●	●	●	●	●	●
1-door cabin (sliding window)	–	–	–	–	○	○	○	–	–	–	–	–	●	●	●	●	●	●
Two-door cab	–	–	–	–	○	○	○	–	–	–	–	–	–	–	–	–	–	–
Rain canopy	–	–	–	–	–	–	–	○	–	○	–	–	●	–	●	–	●	●
Rear tarpaulin	–	–	–	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–
FOPS protective grating level 1	–	–	○	○	○	○	○	○	○	○	○	○	●	○	●	○	●	○
FOPS protective grating level 2	–	–	–	–	–	–	–	–	–	–	–	○	○	○	○	○	○	○
Side cabin mirror on the right	–	–	–	–	–	–	–	–	–	–	–	–	○	–	–	○	●	●
Side mirror (rear-view mirror)	–	–	○	○	–	–	–	○	○	○	○	○	○	○	○	●	○	○
Complete radio	–	–	○	–	○	○	○	○	○	○	○	○	○	○	○	●	○	○
Radio installation	–	–	●	–	○	○	○	●	●	○	●	●	●	●	●	●	●	●
Air-conditioning system	–	–	–	–	–	–	–	–	–	–	○	○	–	–	–	–	–	–
Automatic air conditioning	–	–	–	–	–	–	–	–	–	–	–	–	○	○	○	●	○	○
Lifting lug	–	–	○	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–
Air-cushioned driver's seat	–	–	–	–	–	–	–	–	–	–	–	–	○	○	○	○	○	○
Protective grating for front windscreen	–	–	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Shatter protection	○	○	○	○	○	○	○	○	○	○	○	○	–	–	–	–	–	–
HYDRAULICS																		
Auxiliary hydraulics dipper stick hose system	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Additional dual-action hydraulics	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Advanced overload warning device	–	–	–	○	○	○	○	○	○	○	○	○	○	○	○	●	●	●
Basic overload warning device	–	–	–	○	○	○	○	○	○	○	○	○	●	●	●	–	–	–
Proportional control (for auxiliary hydraulics)	–	–	–	–	○	○	○	○	○	○	○	○	●	○	●	●	●	●
3. Proportional-controlled control circuit	–	–	–	○	○	○	○	–	○	○	○	○	○	○	○	●	○	○
BP-Biohyd SE46	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Panolin HLP Synt46 (Bio)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Flat-faced couplers	–	–	○	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Flow control valves 3. control circuit	–	–	–	○	○	○	○	–	–	–	○	–	○	–	○	○	○	○
Flow control valve f/auxiliary hydraulic	–	–	–	○	○	○	○	○	○	○	○	○	○	○	○	●	○	○
Additional piping for grapple	–	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Easy Lock preparation	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Power tilt preparation	–	–	–	○	○	○	○	–	○	○	○	○	○	○	○	○	○	○
PAINT																		
Special paint 17 RAL	○	○	○	○	○	○	○	○	○	○	○	○	–	–	–	–	–	○
Custom paintwork 17 no RAL	○	○	○	○	○	○	○	○	○	○	○	○	–	–	–	–	–	○
Special paint cab/canopy RAL	–	–	○	○	○	○	○	○	○	○	○	○	–	–	–	–	–	○
SECURITY																		
Security 24 C (2000 h)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Security 36 C (3,000 h)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Security 48 C (4,000 h)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

● Standard ○ Option – not suitable

TRACKED AND WHEELED EXCAVATORS

	803	803 dualpower	1404	EZ17	ET18	ET20	ET24	2503	EZ28	3503	EZ38	EZ53	ET65	EZ80	ET90	ET145	EW65	EW100
MISCELLANEOUS																		
40 km/h	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○
30 km/h	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	○
All-wheel steering	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○
Mudguards	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○
Rear-view camera	–	–	–	–	–	–	–	–	–	–	–	–	○	○	○	●	○	○
Particulate filter	–	–	–	–	–	–	–	–	○	○	○	○	○	–	○	●	○	●
Fluid Film	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Telematics Europe 12 - 72 months	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Cruise control	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○
VDS	–	–	–	–	○	○	○	–	○	○	○	○	–	–	–	–	–	–
Standard rotating beacon	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Front and rear work lights	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	●	○	○
LED headlights	–	–	–	–	–	–	–	–	–	–	–	–	○	○	○	–	○	○
Counterweight	–	–	–	○	–	–	–	–	○	–	○	○	○	○	○	–	–	–
Diesel fueling pump	–	–	–	–	–	–	–	–	–	–	○	○	○	○	○	●	○	●
Automatic RPM speed control	–	–	–	–	○	○	○	○	○	○	○	○	●	●	●	●	●	●
Drive signal	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	–	○	○
Long dipper stick	–	–	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Long dozer blade	–	–	–	–	○	○	–	–	–	–	–	–	–	–	–	–	–	–
Front or rear dozer blade	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	○
Front or rear stabilizer support	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	○
Articulated boom	–	–	–	–	–	–	–	–	–	–	–	–	○	–	○	–	○	●
Telescopic undercarriage	●	●	○	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
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 circulation approval	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	○
Rubber tracks	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	–	–
Hybrid tracks	–	–	–	–	–	–	–	–	–	–	–	–	○	○	○	○	–	–
Steel tracks	–	–	–	○	–	–	–	–	○	○	○	○	○	○	○	●	–	–
Dual tires	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	●
Wide balloon type tires	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	–
Balloon type 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	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	○	–	–
PACKAGES																		
Easy Lock	–	–	–	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–

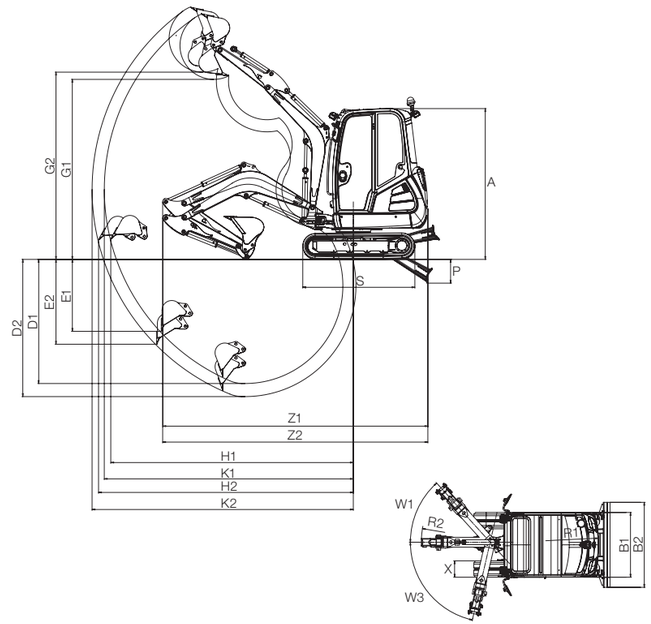
Dimensions

TRACKED AND WHEELED EXCAVATORS

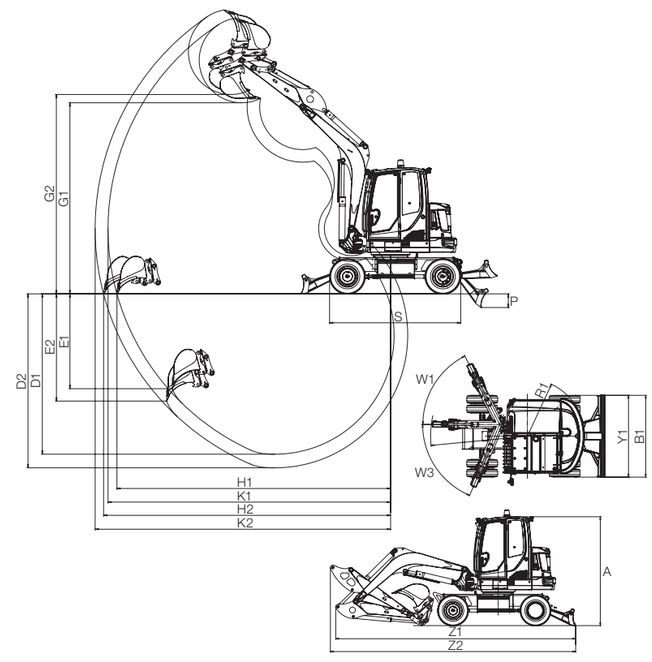
	DIMENSIONS	UNIT	803	803 dualpower	1404	EZ17	ET18	ET20	ET24	2503	EZ28	3503	EZ38	EZ53	ET65	EZ80	ET90	ET145	EW65	EW100
A	**Height**	mm	2,261	2,261	2,285	2,362	2,289	2,295	2,390	2,370	2,408	2,405	2,500	2,570	2,478	2,562	2,562	2,786 2,825****	2,775	2,989
B1	**Width undercarriage - retracted** (tracked/tires)	mm	700	700	990	990	990	990	1,400	1,370	1,570	1,620	1,740	1,990	1,950	2,250	2,250	2,490	1,832 2,088*	2,454
B2	**Width undercarriage - retracted** (only telescopic transport gear)	mm	860	860	1,300	1,300	1,300	1,300	–	–	–	–	–	–	–	–	–	–	–	–
D1	**Max. digging depth** (short dipper stick)	mm	1,763	1,763	2,242	2,326	2,197	2,483	2,402	2,620	2,544	3,230	3,107	3,501	3,826 3,893***	3,919	4,325 4,379***	4,981	3,531 3,596***	3,998 3,941***
D2	**Max. digging depth** (long dipper stick)	mm	–	–	2,413	2,486	2,397	2,683	2,602	2,825	2,744	3,530	3,357	3,751	4,126 4,193***	4,169	4,625 4,679***	5,481	3,831 3,895***	4,298 4,244***
E1	**Max. vertical digging depth** (short dipper stick)	mm	1,320	1,320	1,642	1,713	1,410	1,660	1,562	1,810	1,962	2,220	2,385	2,667	2,383 2,764***	1,915	3,192 3,198***	3,088	2,088 2,465***	3,356 3,450***
E2	**Max. vertical digging depth** (long dipper stick)	mm	–	–	1,802	1,863	1,595	1,845	1,746	2,000	2,152	2,500	2,625	2,906	2,656 3,036***	2,124	3,474 3,456***	3,548	2,361 2,737***	3,648 3,740***
G1	**Max. dumping height** (short dipper stick)	mm	2,012	2,012	2,371	2,436	2,510	2,713	2,748	2,925	2,840	3,620	3,317	3,679	3,912 4,664***	4,587	5,066 5,674***	5,620	4,207 4,961***	5,156 5,933***
G2	**Max. dumping height** (long dipper stick)	mm	–	–	2,493	2,550	2,621	2,836	2,870	3,080	2,970	3,810	3,446	3,837	4,094 4,898***	4,749	5,272 5,940***	5,945	4,389 5,195***	5,346 6,201***
H1	**Max. reach at ground level** (short dipper stick)	mm	3,028	3,028	3,648	3,848	3,700	4,031	4,020	4,410	4,481	5,175	5,192	5,860	6,097 6,475***	6,795	7,179 7,463***	8,044	6,024 6,406***	7,320 7,602***
H2	**Max. reach at ground level** (long dipper stick)	mm	–	–	3,811	4,002	3,894	4,225	4,216	4,602	4,681	5,456	5,431	6,104	6,387 6,772***	7,036	7,474 7,751***	8,527	6,318 6,706***	7,611 7,903***
K1	**Max. digging radius** (short dipper stick)	mm	3,090	3,090	3,700	3,899	3,802	4,129	4,146	4,515	4,613	5,270	5,300	5,987	6,220 6,590***	6,955	7,331 7,596***	8,261	6,220 6,590***	7,541 7,812***
K2	**Max. digging radius** (long dipper stick)	mm	–	–	3,861	4,050	3,989	4,317	4,334	4,693	4,805	5,546	5,535	6,225	6,504 6,877***	7,190	7,620 7,889***	8,727	6,504 6,877***	7,822 8,107***
P	**Max. scraping depth of the dozer blade below subgrade** (short)	mm	178	178	264	390	310	297	334	415	419	490	450	453	427	523	518	531 493*****	301	132
P	**Max. scraping depth of the dozer blade below subgrade** (long)	mm	–	–	–	–	373	362	–	–	–	–	–	–	–	–	–	–	–	–
R1	**Min. tail swing radius**	mm	747	747	1,075	660	1,169	1,169	1,169	1,240	759	1,400	870	995	1,363	1,228	1,583	2,018	1,459	1,575
R2	**Boom swing radius, center**	mm	1,085	1,085	1,195	1,627	1,584	1,666	1,666	1,360	1,641	1,470	2,377	n/a	2,453 3,159***	2,869	2,503 2,840***	2,321	2,465 2,605***	2,953 3,191***
S	**Track length total**	mm	1,220	1,220	1,462	1,607	1,462	1,708	1,838	1,840	2,006	2,075	2,056	2,524	2,516	2,826	2,826	3,604 3,662****	2,887	3,193
W1	**Max. boom swing angle right**	°	56	56	49	57	48	48	48	45	50	45	55	61	63	63	63	57	63	63
W3	**Max. boom swing angle right**	°	55	55	73	65	77	77	77	80	75	80	70	65	67	67	67	70	67	67
X	**Track/tire width**	mm	180	180	230	230	230	250	250	250	300	300	300	400	400	450	450	500	300 457*	514*/ 530**
Z1	**Transport length** (short dipper stick)	mm	2,828	2,828	3,607	3,584	3,854	4,049	4,022	4,410	4,255	5,170	4,799	5,499	6,137 6,065***	6,939	7,117 6,468***	7,721	6,114 6,220***	7,257 6,656***
Z2	**Transport length** (long dipper stick)	mm	–	–	3,644	n/a	n/a	n/a	n/a	n/a	4,272	n/a	4,823	5,477	6,128 6,194***	6,944	7,139 6,690***	7,788	6,250 6,349***	7,315 6,886***

* dual tires ** low-pressure tires *** with articulated boom **** with hybrid chain ***** with steel chain

Tracked excavators



Wheeled excavators



Lifting force tables

803 / 803 dualpower with dozer blade in front - bottom, longitudinal direction

A	MAX.		2.5 m	2 m	1.5 m	1 m
B	A max (m)	kg				
2.4 m	1.41	216/216**	–	–	–	–
2.0 m	2.03	205/167**	–	203/170**	–	–
1.5 m	2.40	191/126**	–	189/172**		–
1.0 m	2.59	177/109**	185/116**	217/166**	247/247**	–
0.5 m	2.65	166/103**	184/113**	247/158**	366/241**	–
0.0 m	2.60	155/104**	171/110**	247/150**	379/226**	678/431**
-0.5 m	2.41	146/115**	–	215/148**	325/222**	561/433**
-1.0 m	2.05	138/138**	–	149/149**	243/225**	418/418**

Meaning of abbreviations in tables
A: Projection from center of the slew ring
B: Height of load hook
MAX: Permissible load with extended dipper stick
C: With or without dozer blade support in the driving direction
D: With or without dozer blade support 90° to the driving direction

* Lifting force limited by hydraulics
** Transverse direction, extended undercarriage

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

1404 with cabin and telescopic travel gear

A	MAX.				3 m				2 m			
B	Above blade		Above the side 360°		Above blade		Above the side 360°		Above blade		Above the side 360°	
	Lowered	Raised	Telescopic undercarriage Retracted	Telescopic undercarriage extended	Lowered	Raised	Telescopic undercarriage Retracted	Telescopic undercarriage extended	Lowered	Raised	Telescopic undercarriage Retracted	Telescopic undercarriage extended
1.5 m	365*	222	220	293	366*	225	222	296	397**	397	397	397
1 m	350*	205	203	272	372*	222	219	293	561*	403	387	531
0.5 m	336*	199	198	265	373*	217	215	289	658*	384	370	512
0 m	324*	203	202	271	353*	214	212	286	652*	373	360	500

EZ17 with short dipper stick and counterweight

A	MAX.			3 m			2.5 m			2 m			1.5 m		
B	C	D	C	C	D	C	C	D	C	C	D	C	C	D	C
	Blade at bottom	Telescopic undercarriage extended	Blade at top	Blade at bottom	Telescopic undercarriage extended	Blade at top	Blade at bottom	Telescopic undercarriage extended	Blade at top	Blade at bottom	Telescopic undercarriage extended	Blade at top	Blade at bottom	Telescopic undercarriage extended	Blade at top
2.5 m	474	326	299	–	–	–	469	330	303	–	–	–	–	–	–
2 m	468	251	228	–	–	–	431	332	305	–	–	–	–	–	–
1 m	435	199	179	491	238	215	591	315	287	781	442	408	–	–	–
0 m	404	196	175	493	227	204	653	296	268	916	408	374	–	–	–
-1 m	384	241	217	–	–	–	511	293	265	705	408	373	1,034	653	609
-1.5 m	386	318	289	–	–	–	–	–	–	540	416	381	811	664	621

ET18 with cabin, telescopic travel gear and short dipper stick, superstructure not tilted

A	MAX.			3 m			2.5 m			2 m			1.5 m		
B	C	D	C	C	D	C	C	D	C	C	D	C	C	D	C
	Blade at bottom	Telescopic travel gear extended	Blade at top Blade	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top
2.5 m	382	382	313	–	–	–	366	366	344	–	–	–	–	–	–
2 m	384	352	258	–	–	–	371	371	341	–	–	–	–	–	–
1 m	402	299	217	423	340	247	492	440	320	641	607	435	–	–	–
0 m	430	306	221	466	330	237	591	421	302	814	575	406	1,257	894	611
-1 m	461	398	286	–	–	–	507	423	303	702	577	408	1,004	905	621
-1.5 m	460	460	413	–	–	–	–	–	–	475	475	422	705	705	637

ET20 with cabin, telescopic travel gear and short dipper stick, superstructure not tilted

A	MAX.			3 m			2.5 m			2 m			1.5 m			3 m		2.5 m		
B	C	D	C	C	D	C	C	D	C	C	D	C	C	D	C	C	C	D	C
	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Telescopic travel gear extended	Blade at top	Blade at bottom	Blade at top	Telescopic travel gear extended	Blade at top
2.5 m	382	355	322	–	–	–	385	349	316	355	355	355	–	–	–				
2 m	383	304	275	–	–	–	378	348	316	384	384	384	–	–	–				
1 m	397	263	237	399	266	240	445	333	301	532	432	389	722	593	531				
0 m	420	267	241	–	–	–	501	319	287	639	408	366	887	557	496				
-1 m	443	332	299	–	–	–	–	–	–	578	407	364	778	558	497				
-1.5 m	442	435	391	–	–	–	–	–	–	–	–	–	608	569	508				

ET24 with cabin, standard travel gear and short dipper stick, superstructure not tilted

A	MAX.		3 m		2.5 m		2 m		1.5 m	
B	C	C	C	C	C	C	C	C	C	C
	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top
2.5 m	552	356	–	–	547	364	513	500	–	–
2 m	557	306	–	–	552	362	569	490	–	–
1 m	580	267	584	271	657	344	794	454	1,088	638
0 m	615	276	–	–	730	329	932	428	1,285	600
-1 m	649	358	–	–	–	–	815	429	1,098	605
-1.5 m	646	504	–	–	–	–	–	–	819	621

2503

A	MAX.		3.5 m		3 m		2.5 m		2 m	
B	C	D	C	D	C	D	C	D	C	D
3 m	480*	480*	–	–	465*	465*	–	–	–	–
2 m	475*	350	480*	380	490*	485*	535*	535*	–	–
1 m	490*	310	530*	365	625*	460	780*	595	1,160*	815
0 m	520*	315	585*	355	735*	440	970*	560	1,405*	770
-1 m	550*	380	–	–	675*	435	915*	560	1,195*	775
-2 m	515*	515*	–	–	–	–	–	–	505*	505*

EZ28 with cabin, short dipper stick and rear weight

A	MAX.		3.5 m		3 m		2.5 m		2 m	
B	C	C	C	C	C	C	C	C	C	C
	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top
3 m	521	487	–	–	505	505	–	–	–	–
2 m	502	356	505	404	538	522	603	603	–	–
1 m	507	319	569	385	681	486	895	638	–	–
0 m	517	331	597	371	750	462	992	604	1,398	865
-1 m	512	417	–	–	622	465	826	609	1,105	879

3503

A	MAX.		4.5 m		3.5 m		2.5 m		1.5 m	
B	C	D	C	D	C	D	C	D	C	D
3 m	765*	597	–	–	721*	721*	–	–	–	–
2 m	786*	496	–	–	837*	722	1,059*	1,059*	–	–
1 m	815*	458	828*	476	1,036*	685	1,685*	1,109	–	–
0 m	855*	467	856*	467	1,174*	658	1,917*	1,063	–	–
-1 m	899*	530	–	–	1,155*	652	1,807*	1,063	3,407**	2,726
-2 m	925*	745	–	–	–	–	1,391*	1,092	2,516*	2,516*

EZ38 with short dipper stick and counterweight

A	MAX.		4 m		3 m		2 m	
B	C	D	C	D	C	D	C	D
	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top
3 m	753	473	736	481	–	–	–	–
2 m	773	385	768	471	862	754	–	–
1 m	811	354	894	447	1,235	687	–	–
0 m	861	361	995	426	1,478	642	2,891	1,204
-1 m	919	416	958	423	1,472	632	2,623	1,215
-2 m	950	618	–	–	1,104	657	1,938	1,257

ET53 with counterweight

A	MAX.		4 m		3 m		2 m	
B	C	D	C	D	C	D	C	D
	Blade at bottom		Blade at bottom		Blade at bottom		Blade at bottom	
4 m	1,060*	915	–	–	–	–	–	–
3 m	1,025*	675	1,010*	910	–	–	–	–
2 m	1,045*	580	1,185*	865	1,580*	1,345	–	–
1 m	1,090*	545	1,415*	805	2,225*	1,185	–	–
0 m	1,145*	550	1,555*	760	2,435*	1,115	–	–
-1 m	1,210*	620	1,510*	745	2,290*	1,110	4,070*	2,155
-2 m	1,255*	830	–	–	1,780*	1,140	3,000*	2,225

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 at bottom		Blade at bottom		Blade at bottom		Blade at bottom		Blade at bottom	
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 at bottom		Blade at bottom		Blade at bottom		Blade at bottom		Blade at bottom	
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 at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top	Blade at bottom	Blade at top
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
-4 m	–	–	–	–	–	–	–	–	–	–

EZ65 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

EZ100 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

Technical data

TRACKED AND WHEELED EXCAVATORS

		803	803 dualpower	1404	EZ17	ET18	ET20	ET24	2503	EZ28	3503	EZ38	EZ53	ET65	EZ80	ET90	ET145	EW65	EW100
GENERAL	**UNIT**																		
Shipping weight*	**kg**	932–992	955–1,015	1,402–1,602.3	1,596–1,822	1,582–2,060	1,862–2,182	2,057–2,401	2,483–2,794	2,575–3,222	3,425–4,108	3,582–4,303	4,968–6,165	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**	1,029–1,089	1,052–1,112	1,529–1,720	1,724–1,950	1,725–2,203	2,005–2,324	2,200–2,544	2,639–2,950	2,735–3,382	3,602–4,286	3,753–4,474	5,241–6,438	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. digging force**	**kN according to ISO 6015**	4.5	4.5	7.1	9.1	11.2	12.5	15	13	15.3	20.6	17.8	28	30.8	43.7	46	69	30.8	47
Max. breakout force	**kN according to ISO 6015**	8.9	8.9	14.2	18.7	18.8	18.8	21.8	20	22.5	30.3	32	38.1	50.7	68	73.8	91	50.7	54.1
ENGINE	**UNIT**																		
Manufacturer	**–**	Yanmar	Drive either with installed diesel engine (compare 803) or electric motor in HPU8 drive unit	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Perkins	Perkins	Perkins	Deutz	Perkins	Perkins	Perkins
Model	**–**	3TNV70		3TNV76	3TNV76	3TNV76	3TNV76	3TNV76	3TNV88	3TNV76	4TNV88	3TNV88	404D-22T	404D-22T	404D-22T	TCD 2.9 DOC only	854E	404D-22T	854E
Type	**–**	Water-cooled 3-cylinder diesel engine		Water-cooled 3-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 4-cylinder diesel engine	Water-cooled 3-cylinder diesel engine	Water-cooled 4-cylinder turbo diesel engine	Water-cooled 4-stroke turbo engine in series	Water-cooled 4-cylinder turbo diesel engine	Water-cooled 4-stroke turbo diesel engine in series	Water-cooled 4-cylinder turbo diesel engine	Water-cooled 4-stroke turbo engine in series	Water-cooled 4-cylinder turbo diesel engine
Displacement	**cm^3**	854		1,116	1,116	1,266	1,266	1,266	1,642	1,115	2,190	1,642	2,216	2,216	2,216	2,925	3,387	2,216	3,387
Engine output	**according to ISO kW/hp**	9.6/13		13.2/17.9	13.4/18.2	13.4/18.2	13.4/18.2	13.4/18.2	19.4/26.4	15.2/20.7	23.7/32.2	21.4/29	36.3/49.4	36.3/49.4	36.2/49.2	55/75	55/75	36.3/49.4	86/117
Fuel tank volumes	**l**	7		24	22	24	24	24	41	36	52	44	83	85	85	85	170	85	170
HYDRAULICS	**UNIT**																		
Hydraulic system/pumps	**–**	Summation regulation/ 2 gear pumps		LUDV with gear pump	Load Sensing Hydraulic System/ 1 displacement pump	Summation regulation/ 2 displacement pumps, 2 gear pumps			Dual variable displacement pump, gear pump	Double variable displacement pump, double gear pump	Double variable displacement pump, gear pump and pilot-controlled pump	Double variable displacement pump, double gear pump	Double variable displacement pump, double gear pump	LUDV with variable displacement pump	LUDV with variable displacement pump	LUDV with variable displacement pump	Negative control with double variable displacement pump and 2 gear pumps	LUDV with variable displacement pump, separate travel pump	LUDV with variable displacement pump, separate travel pump
Max. flow rate	**l/min**	10.7 + 10.7	10.7 + 10.7	33.3	39.6	23.8 + 23.8 + 19.4 + 6.4	23.8 + 23.8 + 19.4 + 6.4	26.1 + 26.1 + 19.4 + 6.4	28.8 + 28.8 + 19.2	30.8 + 30.8 + 21.4 + 7.2	43.5 + 43.5 + 24.1 + 8.9	2 x 40 + 26.3 + 11.3	106.4	144	160	175	126 + 126 + 21,5 + 32	144 + 85.5	180
Operating pressure for work and drive hydraulics	**bar**	170	170	200	240	200	200	240	240	225	240	240	230	240	300	300	320/340	240/420	290/440
Operating pressure for slewing gear	**bar**	70	70	130	150	125	150	150	200	206	210	210	190	215	240	240	310	215	–
Auxiliary hydraulics, max. delivery rate	**l/min**	22	22	34	36.1	41.5	41.5	43	44	52.2	66.9	65.5	92	107	113	113	n/a	107	117
TRANSPORT GEAR	**UNIT**																		
Ground clearance	**mm**	132	132	180	156	210	170	295	270	280	260	280	322	284	375	370	480	237	340
Travel speed	**km/h**	1.8	1.8	2.3	4.8	5.3	4.1	4	4.4	3.8	5.5	4.6	4.7	5.2	4.4	5	5	Up to 30	Up to 40
Max. angle of slope	**° (%)**	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	15 (27)	17 (30)	15 (27)	15 (27)
NOISE EMISSIONS	**UNIT**																		
Sound power level (L_{WA})	**dBA according to 2000/14/EC**	93	93	92	93	93	93	93	94	93	95	95	98	97	97	99	99	97	96
Sound pressure level (L_{PA})	**dBA according to ISO 6394**	77	77	79	79	75.8	75.8	75.8	75	79	76	77	77	77	79	79	75	77	76

* Basic machine + 10% fuel tank capacity ** short dipper stick ○ Optional

HPU8

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT	ENGINE	PERFORMANCE	VOLTAGE	CURRENT CONSUMPTION	HYDRAULIC PUMP DELIVERY RATE	OPERATING PRESSURE	HYDRAULIC OIL TANK CAPACITY	HYDRAULIC HOSE LENGTH
HPU8	930 mm	720 mm	1,000 mm	192 kg including hydraulic oil	3-phase electric motor	7.5 kW	400 V	16 A	20 l/min	210 bar	9.6 l	12 m

All information relates to the base machine. Changes reserved.

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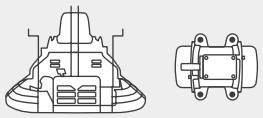
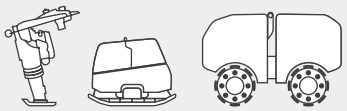
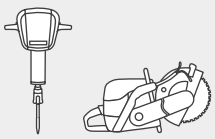
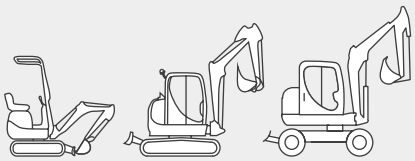

Concrete technology

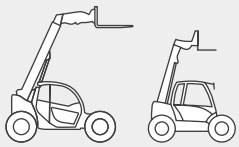

Compaction

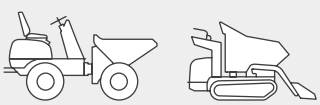

Demolition technology

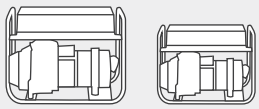

Excavators

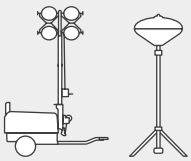

Wheel loaders

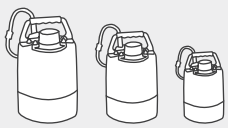

Skid steer loaders

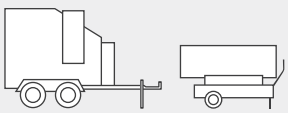

Telehandlers


Dumpers


Generators


Lighting


Pumps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