

A champion decathlete

The Wacker Neuson Zero Tail Class

28Z3 • 38Z3



**WACKER
NEUSON**

A prize athlete.
Perfect versatility.
Superior reliability.





No obstacle too tough: The Zero Tails forge their way with full maximum force

THE COMPACT ZERO TAILS WILL INSPIRE YOU WITH THEIR POWER, AGILITY AND SUPERIOR COMFORT. THE LATERAL POSITIONING OF THE ENGINES AND RESERVOIRS AT THE REAR MAKE IT POSSIBLE.

When all other machines find it too constricted on the job, the Wacker Neuson Zero Tails deliver top performance.

A no-compromise machine – sturdy and independent, strengths built on clear and proven principles.

Unstoppable cutting edge innovation.



A true champion.

Top condition for man and machine:

Full control, dynamism, added performance.



The ability to adapt – a winning characteristic: the Wacker Neuson Zero Tail series has made “compact” into a principle of success.

Narrower streets, constricted cities, tighter schedules, increased efficiency demands – this is where the compacts really shine – no tail swing, powerful technology and unbeatable agility put them into a class of their own.

All the Wacker Neuson Zero Tail machines are genuine champions – quick to take the lead, increase the pace and stay ahead while retaining energy efficiency. The top of their class.



What it's all about:

- No tail swing and compact dimensions.
- Spacious cabins with unobstructed access.
- Fully-equipped series models.
- Standard auxiliary hydraulics;
Optional 2nd auxiliary line.
- Large service access points.
- Individual options for added features.

The optional counter weight (115 kg for the 28Z3 and 150 kg for the 38Z3) allows you to increase the stability by up to 15% (with a tail projection of only 5 cm).

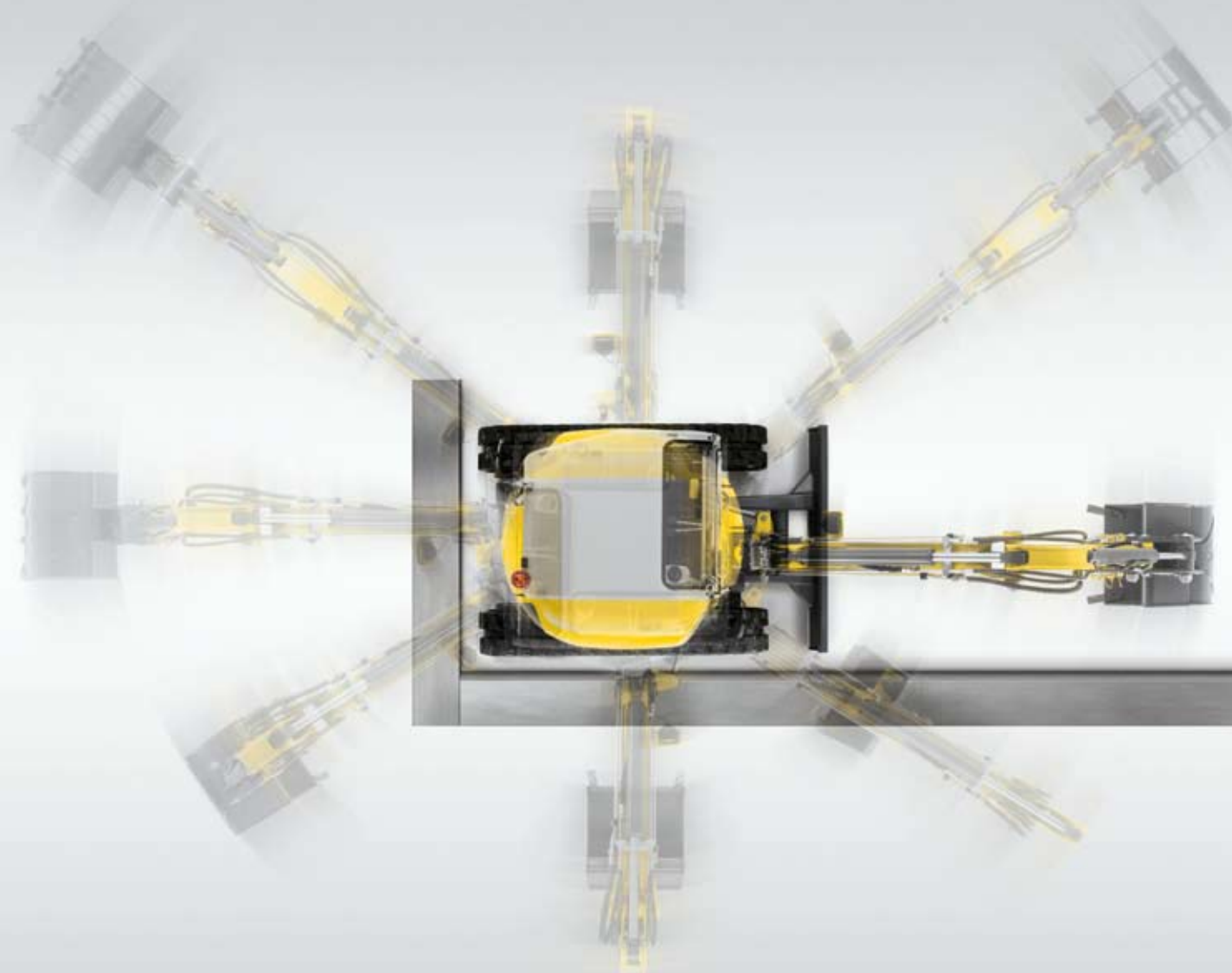


Perfectionist.

Agility.

Sophisticated technology.

Stability.





Room to maneuver for more productivity: PURE ALL-ROUND PERFORMANCE WITHOUT ANY ROUGH EDGES.

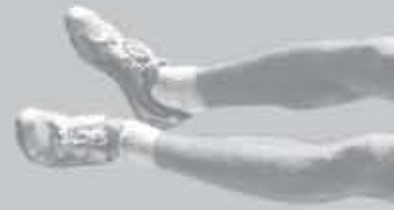
One compact body. Power to spare.
A stable arm, able to be controlled with no loss of sensitivity, particularly under difficult conditions.

A powerful engine, delivering performance absolutely comparable with that of any conventionally-built excavator. Perfectly matched components. A well thought-out and consistent design, combining all of this to create an optimal unit.

zero tail 



Top performer.
Superior arm power.
Coordination in motion.
High stability.



Greatness in a small package. Experience in detail. Built for comfort:
The 28Z3 and 38Z3 have a great deal in common.

Two travel speeds pilot-controlled hydraulic pedals, safety first– an X-shaped strengthened steel chassis frame, 300mm wide rubber tracks and a perfectly balanced construction combine to give you the highest stability.

Standard two-way hydraulic system and an extra return line for the use of a hydraulic hammer.

High arm crowd force and bucket digging force thanks to kinematic movement and the control sensitivity of Wacker Neuson hydraulics.



The Wacker Neuson factors:

- Less than 2700 kg overall weight (28Z3).
- Two travel speeds.
- A fuel-efficient, low-maintenance and quiet engine.
- 5-way adjustable comfortable seat.



An all-round specialist.
Head of the Field in speed.
The power needed for the job.
Winning technology.



Stable footing, high agility, reliable performance and applied ergonomics.
The Wacker Neuson Zero Tails are built around the person.

Wherever stability and cabin comfort are demanded, they are in their element.

The construction methods used for the Wacker Neuson Zero Tail ensure thermal and acoustic separation of the driver cabin and engine compartment. Heat and noise generated by the engine cannot penetrate the cabin. The comfort level of the driver is therefore dramatically increased, while strain is significantly reduced.





28Z
38Z



- 1 The canopy can also be removed from the undercarriage through the simple removal of four screws, and conforms to all ROPS, TOPS, and FOPS standards.
- 2 The large access point and a spacious cabin, quick to disassemble. All machine functions are fully retained, even without the cabin. The cabin of the 38Z3 can also be tipped.
- 3 An operator position with a commanding view and extra comfort – the driver's seat can be adjusted in 5 different ways. The engine is situated on the side and separated from the cabin.
- 4 Compact, without being restricting – all features are optimised for practical use and ease of operation.
- 5 Everything within view – even novices should find working with the Zero Tail simple and safe.



The front runner.
Quick maintenance.
Fast transport.
Flexible adjustments.

The transport professional:

- Less than 2.7 tonnes total weight (with cabin).
- Transport using passenger vehicle trailer (subject to national restrictions).
- Extra reach and additional fields of application.
- Significant savings on costs.



**Agility and profitability as a principle of construction:
The Wacker Neuson Zero Tails are in a class of their own.**

Rapid and precise reactions, safe control over power and easy transportation of excavators.

All these goals have been achieved in every detail – from the hydraulics to the large oil cooler to the special time-saving maintenance requirements. Design specific– ideal proportions and a multitude of strengths, all the characteristics of a true decathlete. That is our success.



28Z

30Z

- 1 The large dimensions of the hydraulic coolers standard on all our models ensure that the machines can be operated even under high outdoor temperatures with maximum loads at any time.
- 2 All parts requiring maintenance, such as fuel, oil and air filters as well as the water and hydraulic oil coolers and hydraulic oil filters are easily accessible, thanks to the lateral position of the engine.
- 3 The cabin floor panel and the rear cover of the 28Z3 have been designed for extra comfort and time-saving maintenance and are easily removed. They enable easy access to all important components.



4 The tipping cabin of the 38Z3 made for easy servicing access; all components below it are immediately within reach. The necessary servicing work can be carried out on the spot, saving time and money.

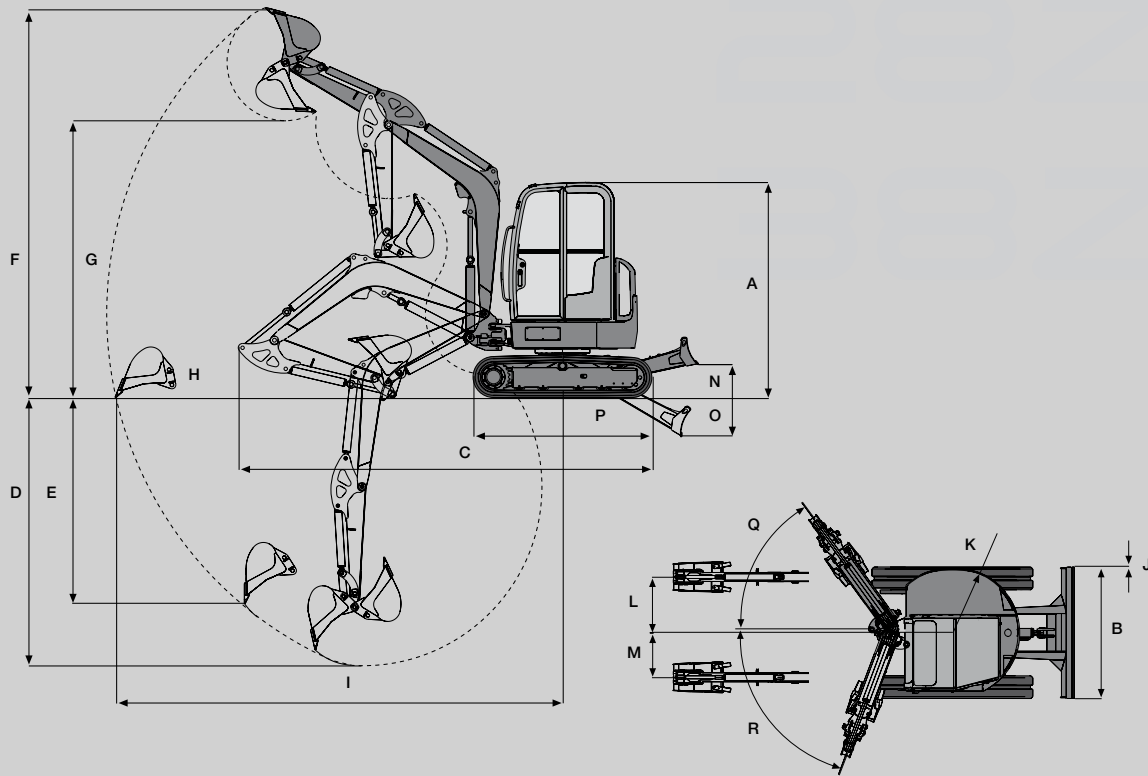
5 The divided pivot bracket connection on the chassis ensures optimal routing of the hydraulic lines and full protection at all times.



Front runner.

Absolute individuality.
One step ahead from
the very beginning.





DIMENSIONS

	28Z3	38Z3
A Height	2408 mm	2500 mm
B Width	1570 mm	1740 mm
C Transport length (arm lowered)	4255 mm	4800 mm
DIGGING DATA (LONG / SHORT DIPPER ARM)		
D Max. digging depth	2544 / 2744 mm	3103 / 3353 mm
E Max. vertical digging depth	1962 / 2152 mm	2430 / 2670 mm
F Max. digging height	4170 / 4300 mm	4530 / 4660 mm
G Max. dumping height	2840 / 2970 mm	3220 / 3350 mm
H Max. digging radius	4613 / 4805 mm	5300 / 5535 mm
I Max. range on the ground	4481 / 4681 mm	5191 / 5431 mm
(GENERAL) DIGGING DATA		
J Max. rear protrusion when the superstructure rotates 90°	0 mm	0 mm
K Rear oscillation radius	760 mm	870 mm
L Max. jib shifting in the middle of the excavator bucket on the right side	764 mm	740 mm
M Max. jib shifting in the middle of the excavator bucket on the left side	533 mm	590 mm
N Max. lifting height of dozer blade over planum	380 mm	390 mm
O Max. dozer digging depth	419 mm	450 mm
P Running gear length	2006 mm	2075 mm
Q Max. arm system swivel angle to the right	50 °	55 °
R Max. arm system swivel angle to the left	75 °	70 °

- A** = Projection from the middle of the turntable
- B** = Load sling height above ground level

* Lifting force is restricted hydraulically. All values in the table are given in kg, at horizontal standing on hard ground and without bucket. If a bucket or other work tool is attached, the lifting power or tipping load is reduced by their weight. Basis of calculations: as ISO 10567. The lifting power of the compact excavator is limited by the adjustment of the pressure control valve and by the tipping security. Neither 75% of the static tipping load nor 87% of the hydraulic lifting power is exceeded.

0°		With levelling blade support in direction of travel
90°		Without levelling blade support 90° to direction of travel

**OPERATING DATA****28Z3****38Z3**

Transport weight	2670 kg / 2577 kg	3630 kg / 3350 kg
Max. breaking force	15.4 kN	21.9 kN
Max. breaking force with extended dipper arm	13.6 kN	19.4 kN
Max. breakaway torque	22.5 kN	28.6 kN

**ENGINE**

Make/type	Yanmar 3TNV76	Yanmar 3TNV88
Design	water-cooled 3-cylinder diesel engine	water-cooled 3-cylinder diesel engine
Max. engine power	17.9 kW (24.3 PS)	27.1 kW (36.8 PS)
Flywheel power in accordance with ISO	15.2 kW (20.7 PS)	21 kW (28.6 PS)
Cylinder capacity	1115 cm ³	1642 cm ³
Rated speed	2500 min ⁻¹	2400 min ⁻¹
Battery	12 V, 44 Ah	12 V, 71 Ah
Diesel tank volumes	35,2 l	44 l

**HYDRAULIC SYSTEM**

Pump	Double variable and double gear pump	Double variable and double gear pump
Flow capacity	2 x 30.5 + 21.2 + 7.2 l/min	2 x 40 + 26.3 + 11.3 l/min
Working and driving pressure	225 bar	240 bar
Vertical mill working pressure	206 bar	210 bar
Hydraulic oil cooler	Standard	Standard
Hydraulic tank content	26.5 l	38.5 l

**UNDERCARRIAGE**

2 travelling speeds	2.1 km/h und 3.8 km/h	2.8 km/h und 4.6 km/h
Gradeability	30°/58%	30°/58%
Track width	300 mm	300 mm
Number of rollers on each side	3	4
Ground clearance	277 mm	280 mm
Ground contact pressure	0.27 kg/cm ²	0.34 kg/cm ²
Upper carriage revolutions per minute	10.25 min ⁻¹	8.8 min ⁻¹

**DOZER BLADE**

Width	1570 mm	1740 mm
Height	290 mm	345 mm
Max. lifting height over planum	380 mm	390 mm
Max. digging depth	419 mm	450 mm

**NOISE EMISSION**

Noise level (L _A) (In accordance with 2000/14/EG)	93 dB (A)	95 dB (A)
Noise level (L _{WA}) (In accordance with ISO 6394)	-	77 dB (A)

**LIFTING POWER TABLE 28Z3****SHORT DIPPER ARM**

B	A 2.5 m		3.0 m		3.5 m		max.	
	0°	90°	0°	90°	0°	90°	0°	90°
3.0 m	-	-	495*	490*	-	-	510*	460
2.0 m	580*	580*	525*	480*	495*	380	495*	340
1.0 m	860*	585	660*	455	555*	365	500*	310
0.0 m	965*	560	730*	435	585*	355	510*	320
-1.0 m	815*	565	615*	440	-	-	510*	395

LONG DIPPER ARM / COUNTER WEIGHT

B	A 2.5 m		3.0 m		3.5 m		max.	
	0°	90°	0°	90°	0°	90°	0°	90°
3.0 m	-	-	425*	425*	-	-	460*	451
2.0 m	-	-	470*	470*	450*	424	450*	348
1.0 m	800*	658	620*	508	525*	409	460*	321
0.0 m	955*	623	720*	483	580*	394	470*	332
-1.0 m	855*	623	650*	483	475*	394	480*	399

LIFTING POWER TABLE 38Z3**SHORT DIPPER ARM**

B	A 2.5 m		3.5 m		4.5 m		max.	
	0°	90°	0°	90°	0°	90°	0°	90°
3.0 m	-	-	660*	660*	-	-	-	-
2.0 m	-	-	785*	640	790*	425	-	-
1.0 m	1735*	975	1050*	600	840*	410	825*	395
0.0 m	2025*	925	1210*	570	855*	400	805*	385
-1.0 m	1875*	915	1160*	565	-	-	-	-
-2.0 m	1440*	945	-	-	-	-	-	-

LONG DIPPER ARM / COUNTER WEIGHT

B	A 2.5 m		3.5 m		4.5 m		max.	
	0°	90°	0°	90°	0°	90°	0°	90°
3.0 m	-	-	-	-	-	-	-	-
2.0 m	-	-	670*	670*	705*	475	-	-
1.0 m	1520*	1095	965*	670	790*	460	755*	405
0.0 m	1975*	1020	1170*	635	845*	445	750*	400
-1.0 m	1920*	1005	1175*	620	-	-	-	-
-2.0 m	1570*	1025	-	-	-	-	-	-

GENERAL INFORMATION

- Rubber track 300 mm
- Dozer blade
- Work lights on lifting arm
- Toolkit, including grease gun and maintenance manual

ENGINE

Water-cooled YANMAR diesel engine

CABINE

Canopy: adjustable and spring-suspended comfort seat with leatherette cover and seat belt. Possibility of climbing in from both sides. The canopy is removable and complies with FOPS, TOPS and ROPS specifications.

HYDRAULICS

- Summation regulated
- Hydraulic oil cooler
- Hydraulic control with joystick operation
- Poppet-valve gear in accordance with ISO, DIN, SAE, PCSA and EURO
- Auxiliary hydraulic connections for two directions of motion on the dipper arm (1050 mm)
- Enlarged, depressurized return pipe (for various installation tools like the hydraulic hammer)
- 2 travelling speeds can be set on the accelerator pedal
- Cylinder end position damping

OPTIONS

CABINE

Vitrified security cabin: cabin heating system, Sliding side window, Upper windshield can be retracted inside. Windshield wiper / washer, Complete inner lining, swing consoles, arm rests; the cabin is removable and complies with FOPS, TOPS and ROPS specifications.

- Canopy with rear window
- Radio set

HYDRAULICS

- 3. Control unit
- Biodegradable oil Panolin
- BP Biohyd SE46
- Flat gasket clutch
- Proportional control (for auxiliary hydraulics)
- Auxiliary hydraulics secondary hydraulic operated valve
- Overload warning device D (safety valve for lifting arm)
- Overload warning device F (safety valve for lifting arm and dipper arm)
- Auxiliary tubing for gripper extension

PAINT

- Special lacquer 1 RAL (Paint for yellow parts only)
- Special lacquer 1 not RAL (Paint for yellow parts only)
- Special lacquer for cabin RAL (Only RAL paint possible)

PACKS

- Mirror pack (Left and right mirror)

OTHER DEVICES

- Front working headlight
- Front and back working headlight
- Anti-theft device
- Revolving light
- Automatic speed frequency unit
- Counter weight (+115 kg)
- Extended dipper arm (+250 mm)
- Security 24 (1500 h) (Extension of guarantee to 24 months or 1500 operating hours)
- Security 24 (2000 h) (Extension of guarantee to 24 months or 2000 operating hours)

* see operating manual

GENERAL INFORMATION

- Rubber track 300 mm
- Dozer blade
- Work lights on lifting arm
- Toolkit, including grease gun and maintenance manual

ENGINE

Water-cooled YANMAR diesel engine

CABINE

Canopy: adjustable and spring-suspended comfort seat with leatherette cover and seat belt. Possibility of climbing in from both sides. The canopy is removable and complies with FOPS, TOPS and ROPS specifications.

HYDRAULICS

- Summation regulated
- Hydraulic oil cooler
- Hydraulic control with joystick operation
- Poppet-valve gear in accordance with ISO, DIN, SAE, PCSA and EURO
- Auxiliary hydraulic connections for two directions of motion on the dipper arm (1400 mm)
- Auto2 speed gear. 2 travelling speeds set automatically. Manually lockable 2 gears.
- Enlarged, depressurized return pipe (for various installation tools like the hydraulic hammer)
- Cylinder end position damping

CABINE

Vitrified, tiltable security cabin: cabin heating system Sliding side window, upper windshield can be retracted inside. Windshield wiper / washer, complete inner lining, swing consoles, arm rests; the cabin is removable and complies with FOPS, TOPS and ROPS specifications.

- Canopy with rear window
- Air conditioner
- Radio set

HYDRAULICS

- 3. Control unit
- Biodegradable oil Panolin
- BP Biohyd SE46
- Flat gasket clutch
- Proportional control (for auxiliary hydraulics)
- Relief valve for auxiliary hydraulics
- Overload warning device D (safety valve for lifting arm)
- Overload warning device F (Safety valve for lifting arm and dipper arm)
- Auxiliary tubing for gripper extension

PAINT

- Special lacquer 1 RAL (paint for yellow parts only)
- Special lacquer 1 not RAL (paint for yellow parts only)
- Special lacquer for cabin RAL (only RAL paint possible)

PACKS

- Mirror pack (Left and right mirror)

OTHER DEVICES

- Front working headlight
- Front and back working headlight
- Anti-theft device
- Revolving light
- Automatic speed frequency unit
- Counter weight (+150 kg)
- Extended dipper arm (+250 mm)
- Security 24 (1500 h) (Extension of guarantee to 24 months or 1500 operating hours)
- Security 24 (2000 h) (Extension of guarantee to 24 months or 2000 operating hours)

Wacker Neuson compact equipment offers power and manoeuvrability on the spot.

Any time, any place.

We consider it a constant duty to ensure that our promise regarding our products and services is fulfilled: Reliability, Trust, Quality, Reactivity, Flexibility and Innovation.

Compact construction equipment of the Wacker Neuson brand also does the business where others can only stand and watch. Our products prove their worth through quality, power, intelligent hydraulics, compact dimensions, innovative technology, high productivity and reliability.

This gives a form of set-up that only Wacker Neuson – the specialist in compact equipment– is capable of.

You too can take advantage of this bespoke capability. The Wacker Neuson compact class is in a class of its own. With success stamped right through it.



**WACKER
NEUSON**