

Zero Tail

Wacker Neuson Zero Tail
50Z3 • 75Z3

50Z_e
75Z_e



**WACKER
NEUSON**

Keep your back free:
Zero Tail Excavator
from Wacker Neuson.





Wacker Neuson Facts:

- No tail overhang and compact dimensions.
- Spacious cabs and easy access.
- Improved comfort by separating the drive unit from the cab.
- Generously dimensioned maintenance access.
- Third control circuit as option.
- Individual fitting out possibilities.
- 2-way additional hydraulics with unpressurised hammer return pipe.
- Auto2Speed.
- Tilttable cab (TOPS/FOPS tested).

The compact Zero Tail are convincing with power, manoeuvrability and highest comfort. The engine placed at the side and the tanks at the rear make it possible.

When it gets too tight for all other machines the 4 Zero Tail models from Wacker Neuson are in top form.

Because the Zero Tail at Wacker Neuson is not a compromise but a stalwart with its own strengths and clear and well tried principles.

Innovation on the move.

Right all round:
Leading the way in design
Cost effective in use.

Wacker Neuson Facts:

- More fuel efficient, less servicing, larger and quieter engine; diesel particle filter as an option.
- Unique Zero Tail design principle.
- 5-way adjustable comfortable seat.
- High quality steel X frame construction.
- Tilttable cab.
- Replaceable bushes on generously dimensioned bearings.



50Z^e
75Z^e



The unique construction principle of the Wacker Neuson Zero Tail machines.

Engine placed at the side with an additional dividing wall to the cab:

- Minimisation of noise and vibration to the cab.
- Optimal servicing and maintenance access to the diesel engine and components.

Valve control block, fuel tank, hydraulics oil tank at the rear:

- Less heat transferred to the cab.

The Wacker Neuson Zero Tail concept makes it possible to build a larger cab, thereby creating adequate head and leg room for the driver.



Technology is interrelationships: Superiority from the interaction of the better ideas.



Improved design and work processes need technology that not only „play along“, but bring a new facility as well.

Whether it be a quick change system, hydraulics, proportional control or idle speed automatic operation: effective valuable results only come from what saves energy and time and is also ecologically worthwhile.

The Wacker Neuson Zero Tails are exemplary prepared for slimline working processes and highest efficiency. They are low-maintenance, highly available and particularly durable. They embody capability for the future. In the real meaning of the word.

50Z_e 75Z_e

Sturdy steel design, proven hydraulics, intelligent electronics, powerful engines and complete fitting out create the basis for the performance plus of the Wacker Neuson Zero Tails:

- 1 **2-way additional hydraulics with unpressurised hammer return pipe as standard.**
A control circuit for power grab with additionally a third control circuit for add-on tools (with optional proportional control) are available if required.
- 2 **Idle speed automatic operation.**
After 5 seconds without movement the engine automatically goes into idling. This reduces fuel consumption and noise. Option with the 50Z3, with the 75Z3 it belongs to the standard equipment.

The largely dimensioned hydraulic system provides such a clear performance surplus that 100% performance can be guaranteed up to an ambient temperature of 45°C.
- 3 **The diesel particle filter (option) for all uses where clean air is of particular importance:** in enclosed spaces or in tunnel construction and mining.
- 4 **The proportional control (option) enables the adjustment of the characteristic curves for the response behaviour and the movement of the respective add-on equipment.** At the push of a button, a switch between the characteristic curves is possible and the best synchronisation in each case between the excavator and the tool is guaranteed.

5 The innovative HSWS quick change system **EASY LOCK** is optimally tuned to the response behaviour of both models 50Z3 and 75Z3 and contributes quite decisively to improvement of the work processes: drive up, dock and automatically lock. Due to the low construction height, the displacement angle of the shovel is fully maintained. A very important contribution to an improved work flow.

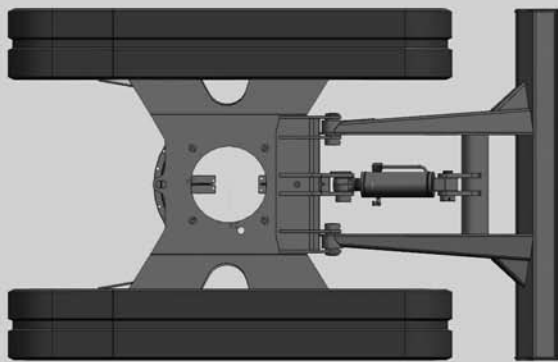


easylock



Practical Intelligence:
Everything thought through
and implemented with a great
deal of know-how.

4



5



Wacker Neuson Options:

- Hybrid rubber and steel track with replaceable pads.
- Durable steel track, which is optimally aligned to the power drive of the Zero Tails.
- Tailor made counterweight for additional improvement of the stability by up to 18%.



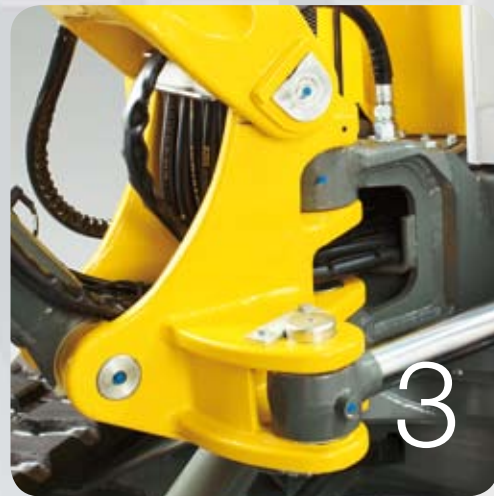
Durable hybrid tracks which can be driven easily over asphalt and sharp edged surfaces and whose links can be individually replaced.



1



2



3



6

- 1 Tippable cab which can easily give access to the components lying below.
- 2 Quick access to the engine thanks to its position at the side and the large opening angle of the hood.
- 3 Recessed nipples at all greasing points of the arm system. Due to the design, the grease gets directly to the bearings.
- 4 Rigid X frames of high quality steel.
The strong and sure backbone for longevity and full loading.
- 5 The two-part retainer of the pivoting control panel is the best protection for the hydraulic pipes and a further indication of quality of design.
- 6 The self cleaning running gear deals with dirt already during movement.
- 7 The optional counterweight (300 kg for the 50Z3 and 400 kg for the 75Z3) increases the stability by up to 18%.



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Cab Comfort:

Results come from people.
Every day something new.

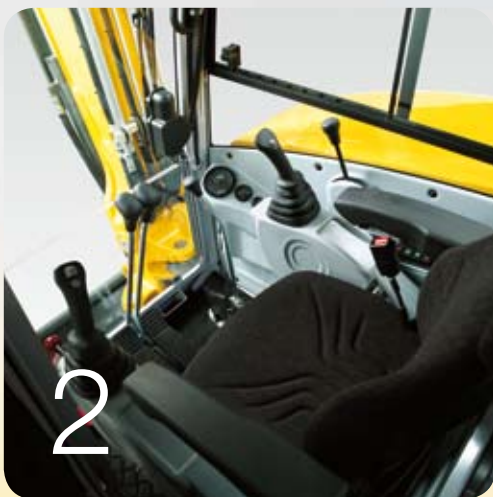


The actual performance of an excavator on the construction site depends to a great extent on the people operating it.

The special Zero Tail concept from Wacker Neuson allows a top class cab design and ergonomic design: the good leg room, the 5-way adjustable driver's seat, the air conditioning (option), the proportional control (option) and the easy getting in make the work lighter and the handling more precise. They contribute to efficiency and safety. For the driver. And for the operator.



50Z_e 75Z_e



- 1 Ergonomically correct is always an individual matter: The driver's seat can be adjusted in 5 ways.
 - forwards and backwards
 - forwards and backwards with control panel for the same space between driver and instruments
 - height of seat
 - adjustment to the weight of the driver
 - adjustability of the arm rests and back rest
- 2 Good leg and head room in the spacious cab thanks to the Wacker Neuson Zero Tail concept.
- 3 Comfortable entry into the cab: wide driver's door, high construction and sturdy hand grips.
- 4 Aux. hydraulics and 3rd control circuit (Proportional control as an option), operated by lever on Joystick.
- 5 Simple and sturdy mechanism for pushing up the windscreen and for its secure holding under the cab roof.



Wacker Neuson Zero Tail:
Extremely versatile.
Practical in everything.
Reliable in use.



Wacker Neuson Facts:

The 50Z3 and 75Z3 models are the result of intensive development and much practical testing. They connect the intelligent engine management of the economical engine with high performance hydraulics and high-strength steel construction. With these qualities and their versatility, they free the backs of the operators.

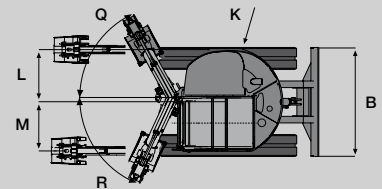
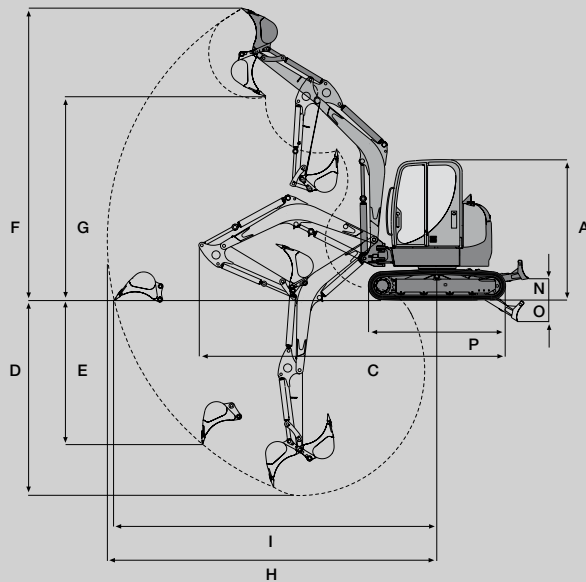
50Z^e
75Z^e



Technical Data:

Value and values
belong together.





DIMENSIONS:

	50Z3	75Z3
A Height	2570 mm	2670 mm
B Width	1990 mm	2300 mm
C Transport length (arm lowered)	5500 mm	6480 mm

EXCAVATING DATA (BUCKET ARM SHORT/ LONG)







	50Z3	75Z3
D Max. excavation depth	3500 / 3750 mm	4030 / 4320 mm
E Max. vertical insertion depth	2670 / 2885 mm	3400 / 3700 mm
F Max. insertion height	5300 / 5460 mm	6630 / 6820 mm
G Max. cutting height	3680 / 3840 mm	4500 / 4690 mm
H Max. excavating radius	5985 / 6225 mm	7070 / 7350 mm
I Max. reach on the ground	5860 / 6105 mm	6940 / 7210 mm

EXCAVATING DATA (GENERALLY)

Max. overhang at rear (top part of vehicle turned 90°)	0 mm	0 mm
K Tail turning radius	995 mm	1150 mm
L Max. arm displacement to middle of bucket right side	960 mm	950 mm
M Max. arm displacement to middle of bucket left side	895 mm	770 mm
N Max. lifting height levelling blade above formation	415 mm	485 mm
O Max. scraping depth of levelling blade below formation	455 mm	480 mm
P Length of running gear	2500 mm	2845 mm
Q Max. angle of swivel arm system to the right	61°	63°
R Max. angle of swivel arm system to the left	65°	67°
Max. shearing force	26,6 / 23,5 kN	35,3 / 31,9 kN
Max. breakaway torque	33,8 kN	45,3 kN





LIFTING POWER 50Z3							LIFTING POWER 75Z3								
B	A 2 m		3 m		4 m		max.	B	A 2 m		3 m		4 m		max.
	0°	90°	0°	90°	0°	90°			0°	90°	0°	90°	0°	90°	
4,0 m	-	-	-	-	-	-	1060* 810	4,0 m	-	-	-	-	1865* 1505	1795* 920	
3,0 m	-	-	-	-	1010*	780	1025* 585	3,0 m	-	-	-	-	2130* 1425	1760* 765	
2,0 m	-	-	1580*	1150	1185*	730	1045* 490	2,0 m	-	-	-	-	2535* 1290	1760* 690	
1,0 m	-	-	2225*	990	1415*	670	1090* 455	1,0 m	-	-	-	-	2885* 1170	1775* 665	
0,0 m	-	-	2435*	920	1555*	625	1145* 460	0,0 m	-	-	4415*	1630	2995* 1105	1795* 675	
-1,0 m	4070*	1790	2290*	915	1510*	610	1210* 515	-1,0 m	5680*	3485	3990*	1650	2840* 1090	1800* 745	
-2,0 m	3000*	1860	1780*	950	-	-	1255* 705	-2,0 m	4560*	3585	3215*	1715	2345* 1125	1740* 915	

	50Z3	75Z3
 OPERATING DATA		
Transport weight	4900 kg	7345 kg
 ENGINE		
Manufacturer / type	Yanmar 4TNV88	Yanmar 4TNV98
Type	water cooled 4-cylinder diesel engine EPA III	water cooled 4-cylinder diesel engine EPA III
Max. engine performance	35,4 kW (48,1 PS)	51,1 kW (69,5 PS)
Flywheel performance as ISO	28,1 kW (38,2 PS)	42,5 kW (57,8 PS)
Capacity	2189 cm ³	3318 cm ³
Nominal rotation speed	2400 min ⁻¹	2100 min ⁻¹
Battery	12 V / 88 Ah	12 V / 88 Ah
Volume of diesel tank	83 l	93 l
 HYDRAULIC SYSTEM		
Pump	Double variable- & double hydraulic gear pump	Double variable- & double variable displacement gear pump
Capacity	2 x 57 + 41,4 + 11,7 l/min	73,3 + 73,3 + 62,7 l/min
Operating pressure for work and drive hydraulics	240 bar	260 bar
Operating pressure of turntable	215 bar	215 bar
Hydraulic oil cooler	Standard	Standard
Hydraulic tank capacity	80 l	99 l
 DRIVING GEAR AND SLEWING GEAR		
2 driving speeds	2,7 km/h, 4,6 km/h	3,2 km/h, 5,0 km/h
Climbing ability	30° (58 %)	30° (58 %)
Width of track	400 mm	450 mm
Number of runners per side	4	5
Ground clearance	305 mm	375 mm
Ground pressure	0,28 kg/cm ²	0,35 kg/cm ²
Revolving superstructure revolutions	8,7 min ⁻¹	8,7 min ⁻¹
 LEVELLING BLADE		
Width / Height	1990 / 380 mm	2300 / 500 mm
Levelling blade above formation	415 mm	485 mm
Levelling blade below formation	455 mm	480 mm
 NOISE EMISSION		
Sound level (L _{wa}) as 2000/14/EG	96 dB(A)	98 dB(A)
Sound pressure level (L _p) as ISO 6394	77 dB(A)	77 dB(A)

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, standing horizontal on hard ground and without bucket. When a bucket or other working tool is attached, the lifting power or tipping load is reduced by their own weight. Basis of calculations: as per 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

STANDARD EQUIPMENT**50Z3 • 75Z3****OPTIONS****50Z3 • 75Z3****GENERALLY****Rubber track****50Z3** 400 mm**75Z3** 450 mm**Levelling blade****Working light** mounted on the boom**Tool set incl. grease press and maintenance manual****ENGINE****Water cooled YANMAR diesel engine****CAB****Glazed tippable safety cab**

Cab heating

Sliding window at the side

Windscreen can be lowered inside

Windscreen wiper / washer

Complete lining internally

Pivoting control panel

Arm rests

Cab complies with FOPS and TOPS regulations

Prepared for radio

Cabling

Loudspeakers

Aerial

Cabbling for cab lighting and flashing beacon**HYDRAULICS****Power control****Hydraulic oil cooler****Hydraulic anticipatory control**

with joystick operation

Valve control

as ISO, DIN, SAE, PCSA and EURO

Connections for additional hydraulics

for two directions of movement on the bucket arm

Auto2-Speed gears

2 driving speeds automatically switched

2nd gear manually lockable

Enlarged pressureless return pipe

for various add-on tools

75Z3 Engine speed automatic**CAB****Air conditioning****Air cushioned seat****Radio****HYDRAULICS****3rd control circuit proportionally controlled****Bio oil Panolin****BP-Biohyd SE46****Flat sealing coupling****Proportional control**

(aux. hyd.)

Pressure relief valve auxiliary hydraulics**Overload warning device D**

Safety valve for lifting arm

Overload warning device F

Safety valve for lifting arm and bucket arm

Additional piping for grapple**Preparation hydraulic QHS-system (EASY LOCK)****Pilot circuit POWER TILT****Prepar. hydraulic POWER TILT**(only with 3rd control circuit)**PAINTING****Special paint 1 RAL**

(paint only for yellow parts)

Special paint 1 not RAL

(paint only for yellow parts)

Special cab paint RAL

(only RAL colours possible)

OTHER**Cab lighting**

front / front + rear

Diesel tank filling pump**Travel alarm****Flashing beacon****50Z3** Idle speed autom. operation**Counterweight****50Z3** 300 kg**75Z3** 400 kg**Long bucket arm****50Z3** + 250 mm**75Z3** + 300 mm**50Z3** Particle filter**Safety 24 (1,500 hrs)**Extension of warranty to 24 months
or 1500 operating hours**Safety 24 (2000 h)**Extension of warranty to 24 months
or 2,000 operating hours**Steel track****50Z3** 400 mm**75Z3** 450 mm**75Z3** Hybrid tracks**Central greasing****Drive interlock KAT****PACKETS****Mirror packet**

Right and left mirrors

Comfort packet

Air conditioning

Refuelling pump

Radio

Mirror packet

Cab lighting front and rear

50Z3 Diesel tank filling pump

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.



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