

STANDARD EQUIPMENT50Z3₂ • 75Z3₂**OPTIONS**50Z3₂ • 75Z3₂**GENERAL****Rubber**50Z3₂ 400 mm75Z3₂ 450 mm**Dozer blade**

Working light mounted to the boom

Tool kit incl. grease gun and operator manual

ENGINE

Water-cooled YANMAR diesel engine

75Z3₂ Automatic idling**CABIN**

Safety glass cabin: Tilttable cabin, cabin heating, side sliding window, top swings back, windscreen wiper and washing system, covered cab interior, cabin complies with ROPS/FOPS and TOPS regulations

Cabling for radio incl. aerial and speakers

Cabling for cab lighting and flashing beacon

HYDRAULIC**Summation regulation**

Hydraulic pilot control via joystick

Valve control according to ISO, DIN, SAE, PCSA and EURO

Auxiliary hydraulic connection for two directions of motion, mounted on dipperstick

Auto2-Speed transmission, dual travel speed operated automatically, 2nd gear manually locked

Hydraulically dampened drive pedals

Hydraulic oil cooler

Increased, depressurized return line (for several attachments)

CAB

Air conditioning system

Air cushioned seat

Radio

HYDRAULICS

3rd control circuit (proport.)

Biological oil Panolin

BP-Biohyd SE46

Flat faced couplers

Proportional control (aux. hyd)

Addit. piping for grapple

Overload valve for auxiliary hydraulic

Overload system Germany

Overload system France

Prepar. hydraulic QH-system (EASY LOCK)

Pilot circuit Powertilt

PAINTING

Special paint 1 RAL for parts in yellow only

Special paint 1 non RAL for parts in yellow only

Special paint cabin RAL, RAL colours only

MISCELLANEOUS50Z3₂ Vertical Digging System (VDS)75Z3₂ Hybrid tracks

(450 mm)

Steeltrack50Z3₂ (400 mm)75Z3₂ (450 mm), (600 mm)**Cab lighting front**

Cab lighting front and rear

Electrical refuelling pump

Flashing beacon

50Z3₂ Automatic idling

Driving signal

Counterweight

50Z3₂ +300 kg75Z3₂ +400 kg**Long dipperstick**50Z3₂ (+250 mm)75Z3₂ (+300 mm)**Central lubrication system**

Security 24 (1500 h) Warranty extension to 24 months or 1500 operation hours

Security 24 (2000 h) Warranty extension to 24 months or 2000 operation hours

Drive interlock KAT

PACKAGES**Mirror package**

Exterior mirror right and left

Comfort package

Air conditioning plant, refuelling pump, radio, mirror package, cab lighting front and rear

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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Zero Tail

Wacker Neuson Zero Tail
50Z3₂ • 75Z3₂



**WACKER
NEUSON**



**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 (ROPS/FOPS/TOPS tested).
- Vertical Digging System (VDS): continuously variable tilting of the superstructure by up to 15°.*

*Option 50Z3₂

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.



zero tail 

50Z3_e

75Z3_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.

50Z3₂

75Z3₂

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.

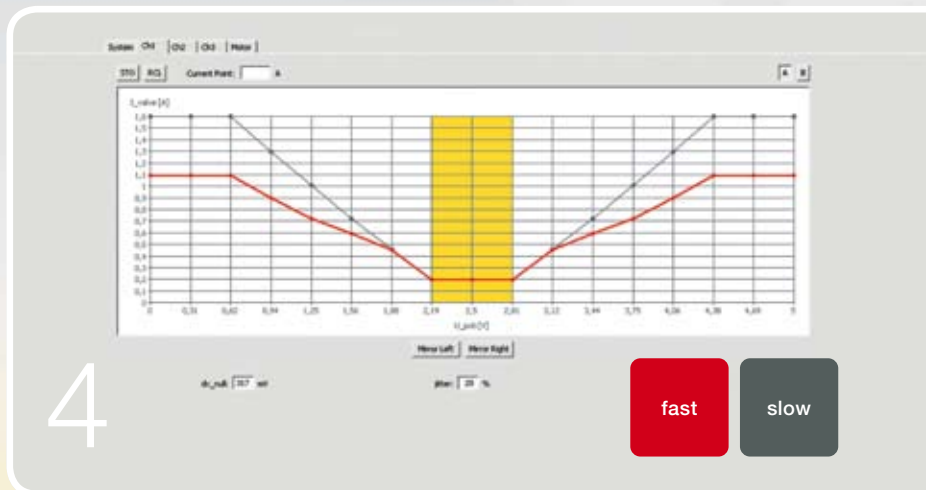
After 5 seconds without movement the engine automatically goes into idling. This reduces fuel consumption and noise. Option with the 50Z3₂, with the 75Z3₂ it belongs to the standard equipment.

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 50Z3₂ and 75Z3₂ 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.

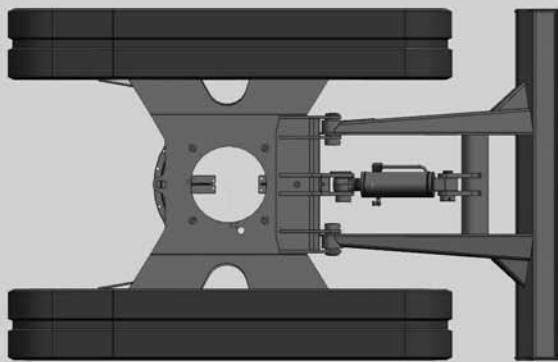


easylock



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

4



5



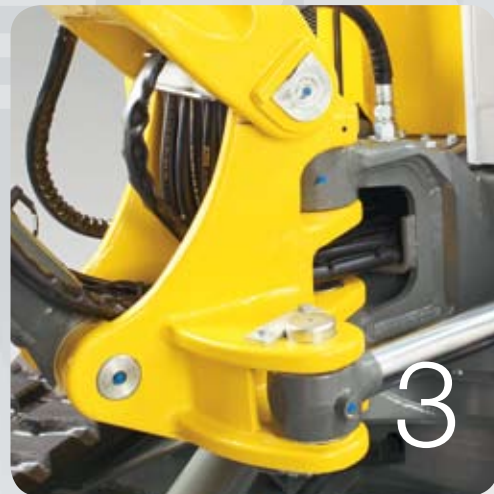
Wacker Neuson Options:

- 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.

50Z3²



- 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 50Z3² and 400 kg for the 75Z3²) increases the stability by up to 18%.



Cab Comfort: Results come from people. Every day something new.



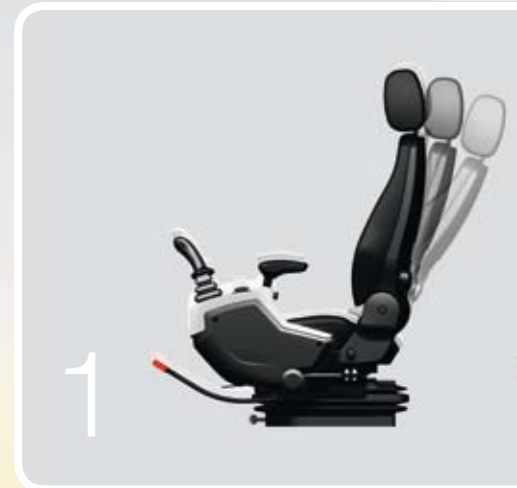
The everyday performance of an excavator on the worksite depends essentially on the person operating it.

Ideal cab design and cab ergonomics, along with comprehensive safety considerations (the cab is ROPS/FOPS/TOPS-tested) offer the perfect working environment:

The ample legroom, five-position adjustable driver's seat, air conditioning (optional), proportional steering (optional) and comfortable driver access make for easier work, preciser handling and better results. All in all, efficiency and safety gains are guaranteed, for driver and operator alike.

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 New cab interior with ample head- and legroom and newly integrated storage areas. Also new: the stable joystick mounting, instrumentation mounting and pedals. Easy driver access thanks to wide and high doorways. The armrest can be folded right back.

3 Auxiliary hydraulics and 3rd control circuit (optionally with electronic proportional steering). Operated by means of a rocker switch on the joystick.

4 Comfortable entry into the cab: wide driver's door, high construction and sturdy hand grips.

5 Simple and sturdy mechanism for pushing up the windscreen and for its secure holding under the cab roof.

**NEW
CAB
INTERIOR**



INNOVATIVE WINDSCREEN SYSTEM
FOR COMFORT, COMMUNICATION AND SECURITY:



1 Fully glazed front part: Excellent visibility and perfect protection from wind and weather. A thoroughly tried-and-tested concept (tilted position).



2 The top sliding part simply slides under the cab roof. There it is safely stowed.



3 Dialogue position: The lower pane is slid under the upper pane. This allows the driver to chat with people outside the excavator.



4 Both sliding panes are stowed under the cab roof. There is no need to remove them or store them elsewhere. This reduces the likelihood of their damage.



Professionalism:

Thanks to the Vertical Digging System* (VDS), you and your excavator are always best positioned to get on with your work.

The Vertical Digging System (VDS):

It saves time and money, offers extra security and opens up new possibilities for working even more efficiently.

25%
**MATERIAL AND
TIME SAVINGS**
on excavation and
filling-in



Preparatory work is costly. Full slewing power is required. Safety is a must. There is no time for unwieldy manoeuvring.

Your Wacker Neuson 50Z3₂ with VDS brings you savings of up to 25%:

Thanks to the continuously variable tilting of the superstructure through up to 15°, you can compensate for gradients and height differences of up to 27%.

A steep challenge is turned into an opportunity to excel:

- Greater productivity, improved efficiency: shorter digging times thanks to precisely vertical digging.
- Up to 25% material and time savings when excavating**
- Up to 25% material and time savings when filling in**
- Up to 20% increased stability**
- Full all-round slewing power through 360°
- Familiar seat position, fatigue-proof working conditions
- Simple and robust construction
- 10-year guarantee for tilt console and support

*Option

** on a 15° gradient

15° vds

Wacker Neuson Zero Tail:

Extremely versatile.
Practical in everything.
Reliable in use.

50Z3₂
75Z3₂



Wacker Neuson Facts:

The 50Z3₂ and 75Z3₂ 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.

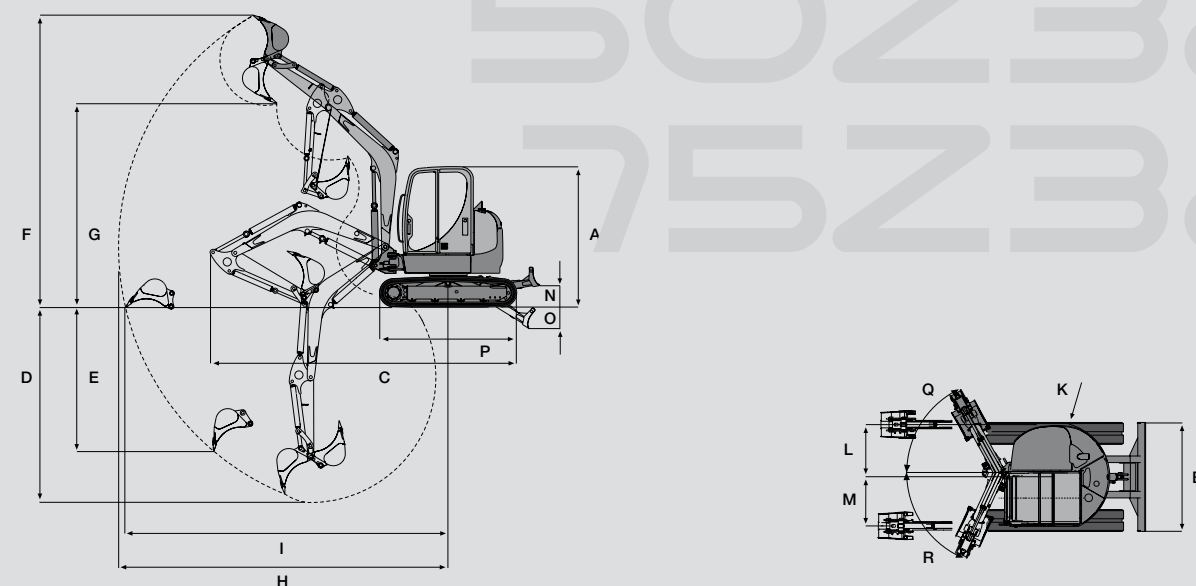


Technical Data:

Value and values
belong together.



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



DIMENSIONS:	50Z3e	75Z3e
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)		
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

B	LIFTING POWER 50Z3e					B	LIFTING POWER 75Z3e						
	A	2 m	3 m	4 m	max.		A	2 m	3 m	4 m	max.		
4,0 m	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	
3,0 m	-	-	-	-	-	1060*	810	1025*	585	1025*	585	1025*	585
2,0 m	-	-	1580*	1150	1185*	730	1045*	490	1045*	490	1045*	490	
1,0 m	-	-	2225*	990	1415*	670	1090*	455	1090*	455	1090*	455	
0,0 m	-	-	2435*	920	1555*	625	1145*	460	1145*	460	1145*	460	
-1,0 m	4070*	1790	2290*	915	1510*	610	1210*	515	1210*	515	1210*	515	
-2,0 m	3000*	1860	1780*	950	-	-	1255*	705	1255*	705	1255*	705	

	50Z3e	75Z3e
OPERATING DATA		
Operating weight	5180 kg	7640 kg
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 cm³	3318 cm³
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		
Capacity	Double variable- & double hydraulic gear pump	Double variable- & double variable displacement gear pump
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 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/cm²	0,35 kg/cm²
Revolving superstructure revolutions	8,7 min⁻¹	8,7 min⁻¹
LEVELLING BLADE		
Width / Height		
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_w) as 2000/14/EG		
Sound level (L _w) as 2000/14/EG	96 dB(A)	98 dB(A)
Sound pressure level (L_p) as ISO 6394		
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.

