

# 50Z<sub>E</sub> 6003

Intelligent hydraulic system  
Automatic drive  
Comfort and productivity

## Neuson Zero-Tail Swing Excavator 50Z3/6003



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# Neuson Zero-Tail Swing:

All the advantages of zero tail, without the down side.

Existing zero-tail swing excavators offer the advantage of superstructure rotation within the tracks. But invariably, this benefit is at the cost of wider tracks, cramped cab and difficult service access.

By mounting the engine on the side and enabling the cab to tilt, Neuson engineering ingenuity has solved the problem of conventional zero tail swing excavators. The cab is larger and service access is superior to many conventional excavators, but there is still no overhang during superstructure rotation.

With Neuson zero-tail swing, operators can have their cake and eat it!

For users where a small superstructure overhang is acceptable, the 6003, "short-tail" with only 470 mm of overhang, has been launched in the 6 t class. The 6003 succeeds the proven 6002. It shares many design features of the 50Z3, but the engine is more powerful, the boom longer and the cab even larger.



## Zero Tail Swing

The zero tail swing concept allows the superstructure to rotate entirely within the dimensions of the tracks without any overhang. This enables the machine to drive close to walls without risk of impact or operate on congested sites without fear of obstructing site traffic.



This enables the operator to concentrate on digging and loading, thereby improving safety and productivity on the job site.

## Powerful, quiet and clean...

that's the advantage of the new Yanmar TNV series diesel engine. The engine complies with the latest version of the European Directive 97/68/EC stage II as well as EPA Tier II. In addition, it is available with an optional soot particle filter.

Located to the side of the cab, the engine is fitted in a separate compartment, which reduces engine noise and heat in the cab.



## Ease of Access for Service and Maintenance.

The simple and clear layout of the new machines makes service, maintenance and the daily visual inspection simple. The large robust engine canopy opens wide giving excellent access to all service points.



zero tail 

# 50Z<sub>3</sub> 6003

## Spacious Well Equipped Cab

The driver's seat & armrests are fully adjustable to suit operators of all sizes. The redesigned dashboard includes all important controls & indicators, ergonomically located for ease of use. The cab door can be unlocked from the inside and the operator has more leg-room than ever before.

An optional feature allows the engine speed to be set at the touch of a button.

## Tilting Cab

The cab can be tilted quickly and easily to allow service access to hydraulics, rotary transmission, air conditioning unit and the control block. Access to the rear of the engine is also possible through service openings.





### Heavy-Duty Boom

Neuson excavators are renowned for their heavy-duty construction and the new series is no exception. The slewing bracket, boom, dipper stick and all cylinders are built to withstand the toughest jobs. Large shaft seatings, powerful cylinders, well protected hoses and “welded in steel” castings at points of increased stress are all engineered to last.

### Hydraulic refinements

The auxiliary hydraulic system, which is fitted as standard up to the dipper stick, now has a large depressurized return line for use with a hammer.

The “gripper piping” option now includes in-line quick couplings on both sides to depressurize the dipper cylinder. And a third control circuit for the operation of special attachments is available as an option on the 50Z3 and above.



The drive of the new series now includes an “automatic power-shift” gear. The standard setting is 2<sup>nd</sup> gear – high speed. Where more power is required the system automatically downshifts to 1<sup>st</sup> gear – low speed. Reversing during grading is automatically performed in high speed. However, the 2<sup>nd</sup> gear can be blocked by means of a switch at the dashboard.



## Robust high-tech quality.

Neuson has over 20 years experience as a European pioneer of compact excavators. From the start Neuson excavators have been renowned for structural strength with smooth, robust hydraulics capable of a long operating life. Top quality hydraulic components, together with state of the art assembly and workmanship, produce a definable benefit for the customer... high productivity at low operating cost.



## Leading through innovation.

Neuson is renowned for innovative engineering solutions in compact excavators. This includes a number of industry firsts, such as telescoping undercarriage, Kippmatic tilting superstructure and Vario technology. The new zero-tail swing can now be added to Neuson's list of innovations.



## Full Product Line.

The Neuson compact excavator line includes 14 models from 1.4 to 12 tons, with tracked and wheeled machines available. It is one of the widest ranges available on the market today. All models in the range have high performance, top quality and heavy duty construction included as standard.

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