

# 1503 1903 2203

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Unique Kippmatic "tilting superstructure" option  
High Performance  
Telescopic undercarriage

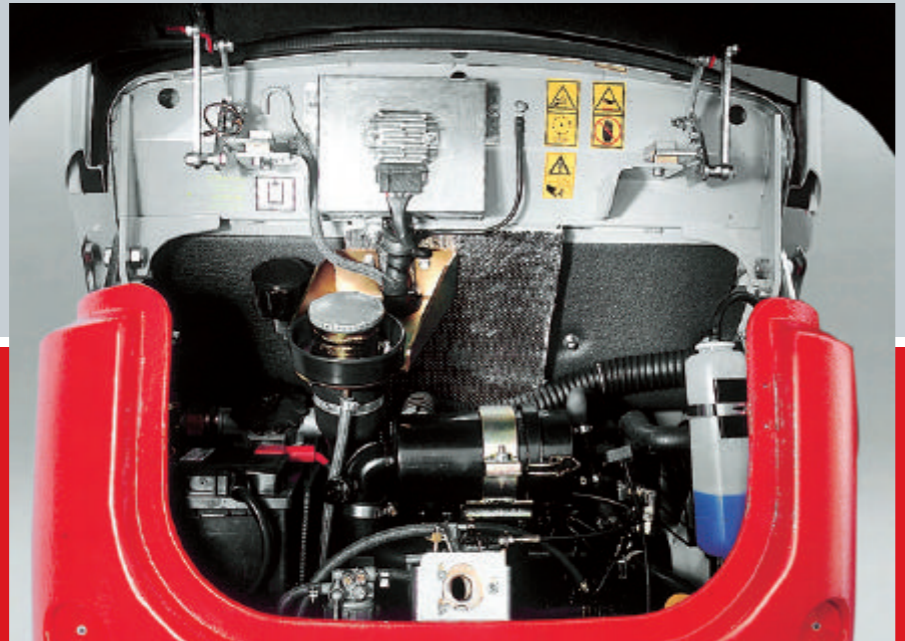
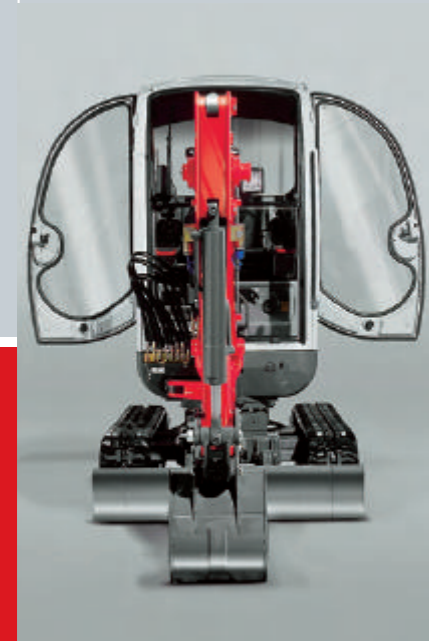
### Modern design and superior functionality

The undercarriage design resists soil collection and minimizes cleaning required. Individual lashing points are conveniently located to aid safe and easy transportation. The cast rear counterweights protect the machine from impact

damage, while all the key components in the engine compartment are easily accessible.

Parts of the chassis susceptible to damage are rounded and reinforced to ensure longevity.

Under the bonnet, the Yanmar 3 cyl diesel engine is powerful, efficient and quiet.



### Ease of Service and Maintenance.

Side panels are hinged to give unrivalled ease of access to hydraulic components.

The simple and clear layout of components save space and makes all key components easy to access for maintenance.



### 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 17 models from 0,9 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.

## Neuson Compact Excavators 1503 / 1903 / 2203



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# The class of compact excavators – redefined: 1503 / 1903 / 2203

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## High performance hydraulic system

Neuson has introduced a high performance hydraulic system to the 1.5 t class, which was previously only available on much larger models. The system includes an axial-piston double displacement pump and summation regulation for superior efficiency, long service-life and maximum productivity.

The superior hydraulic system allows the operator to track in a straight line while simultaneously slewing or lifting, all done smoothly with hands on the joystick. Moreover, the hydraulically cushioned drive pedals allow precise control of the machine.

## Maximum stability from a small foot print

Telescoping undercarriage (standard on 1903 & 2203, optional on 1503) enables the machine to be narrow, for transportation or drive to sites with narrow access. Once on the site, the chassis and blade can be extended to improve stability and maximise digging & lifting performance.

## Unique Neuson Kippmatic Tilting Superstructure

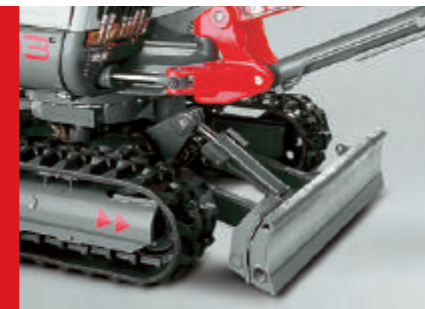
The Kippmatic system enables the superstructure to tilt 15 degrees. This in turn enables the machine to dig vertically while it is on a slope and ensures improved stability and operator comfort on sloping sites or on kerbs in urban areas.

## Optimized digging performance

The boom design gives improved Kinematic deflection, allowing more efficient digging. Lifting performance can be up to 40% higher than conventional designs.

## Modern cab design with excellent all round visibility

The cab interior includes all important controls and indicators, ergonomically located for ease of use.



Unique dipper stick design, features internal installation of all hydraulic hoses. Connections for double-action auxiliary hydraulics are installed as standard up to the dipper stick.

The external installation of the hydraulic hoses at the slewing bracket avoids wear and if a hose needs to be changed, it can be done quickly and easily.

The length of the undercarriage on 1503, 1903 and 2203 minimizes ground pressure. The extension parts of the dozer blade can be dismantled easily without tools and can be stored using dedicated holding devices.

Where headroom is restricted to 2 m, the cab can be simply and easily removed. To ease lifting of the machine on site, or for transportation, lifting lugs are conveniently located on the cab/canopy roof.