



3503

Tracked Conventional Tail Excavators



3503 – The powerful classic.

Wacker Neuson's power machine 3503 guarantees maximum productivity and optimal operator comfort, thanks to the generously dimensioned cab. The large-volume Yanmar diesel engine, compact dimensions and maximum stability always deliver fantastic results. And the unique VDS makes this classic the most versatile machine in its class.

- Exceptionally smooth running and powerful engines with high torque. The power control ensures optimal performance of the diesel engine.
- Wacker Neuson's tried and tested high performance hydraulics with auxiliary hydraulics to the dipper stick is standard.
- Easily removable, generously dimensioned cab with large door.
- Self-cleaning undercarriage and exceptionally smooth running due to asymmetric design of chassis and track profile. Auto2Speed adjusts the speed automatically according to the tractive force.
- VDS (Vertical Digging System): VDS enables progressive tilting of the superstructure by up to 15° to compensate for slopes, saving up to 25% material and time costs.



Technical specifications

Operating data

| | |
|------------------------------|--------------------------|
| Shipping weight min. | 3,425 kg |
| Operating weight min. | 3,600 kg |
| Biting force max. | 21.97 kN |
| Breakaway force max. | 37.3 kN |
| Digging depth | 3,230 mm |
| Dumping height max. | 3,620 mm |
| Digging radius | 5,270 mm |
| Superstructure slewing speed | 9.2 1/min |
| L x W x H | 5,170 x 1,620 x 2,405 mm |

Engine / Motor

| | |
|--------------------------------|---------------------------------------|
| Engine / Motor manufacturer | Yanmar |
| Engine / Motor type | 4TNV88 |
| Engine / Motor | Water-cooled 4-cylinder diesel engine |
| Displacement | 2,189 cm ³ |
| RPM / speed | 2,000 rpm |
| Engine performance acc. to ISO | 23.7 kW |
| Battery | 71 Ah |
| Tank capacity | 52 l |

Hydraulic system

| | |
|--|-------------------------------|
| Duty pump | Double variable and gear pump |
| Flow rate | 114.1 l/min |
| Operating pressure for working and traction hydraulics | 240 bar |
| Operating pressure Slewing gear | 200 bar |
| RPM / speed Superstructure | 9.2 rpm |
| Hydraulic oil tank | 50 l |

Wheel set

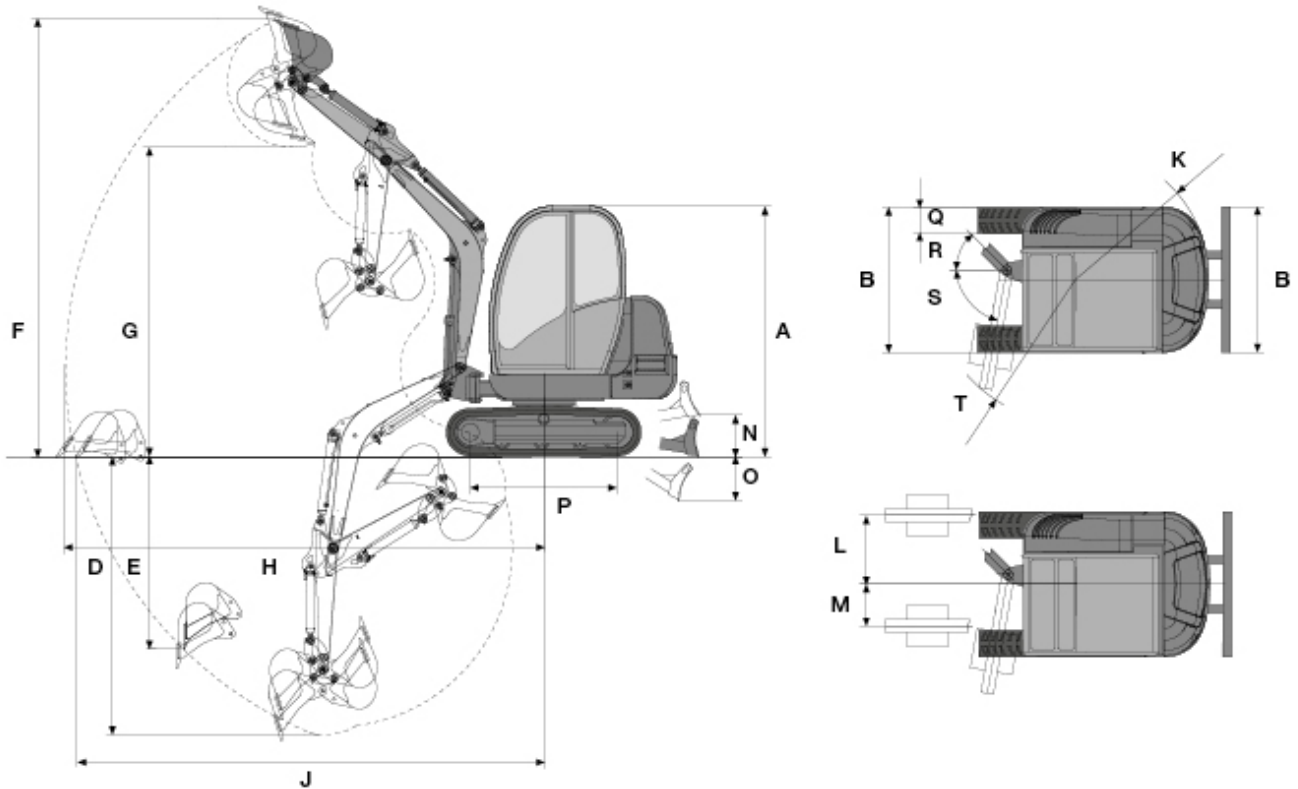
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|-------------------|----------|
| Travel speed max. | 5.5 km/h |
| Chain width | 300 mm |



| | |
|--|----------|
| Ground clearance | 280 mm |
| <hr/> | |
| Dozer Blade | |
| Width | 1,620 mm |
| Height | 410 mm |
| Stroke max. lifting height levelling blade above ground level | 410 mm |
| Stroke max. scraping depth of levelling blade below ground level | 490 mm |
| <hr/> | |
| Sound level | |
| Sound level (LwA) acc. to 2000/14/EC | 95 dB(A) |
| Cabin - specified sound pressure level LpA acc. to ISO 6394 | 74 dB(A) |



Dimensions



| | | |
|---|--|-------|
| D | Digging depth Max. (short dipper arm) mm | 3,230 |
| D | Digging depth Max. (long dipper arm) mm | 3,530 |
| E | Insertion depth Max. vertical (short dipper arm) mm | 2,220 |
| E | Insertion depth Max. vertical (long dipper arm) mm | 2,500 |
| F | Insertion height Max. (short dipper arm) mm | 4,910 |
| F | Insertion height Max. (long dipper arm) mm | 5,100 |
| G | Dumping height Max. (short dipper arm) mm | 3,620 |
| G | Dumping height Max. (long dipper arm) mm | 3,810 |
| H | Digging radius Max. (short dipper arm) mm | 5,270 |
| H | Digging radius Max. (long dipper arm) mm | 5,546 |
| J | Range Max. (short dipper arm) mm | 5,175 |
| J | Range mm | 5,456 |
| | Rear overhang Max., on the ground (long dipper arm) mm | 590 |



| | | |
|----------|--|-------|
| K | Rear swivel radius Min. mm | 1,400 |
| L | Arm displacement Max. boom offset to centre of bucket, right side mm | 685 |
| M | Arm displacement Max. boom offset to centre of bucket, left side mm | 415 |
| N | Lift height Max. dozer blade above ground mm | 410 |
| O | Scraping depth Max. dozer blade below ground mm | 490 |
| T | Boom slewing radius mm | 1,388 |
| P | Length mm | 2,075 |
| P | Length mm | 1,600 |
| R | Turning angle Max. right ° | 45 |
| S | Turning angle Max. left ° | 80 |
| Q | Width mm | 300 |

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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