



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.	3.725 daN
Digging depth	3.230 mm
Dumping height max.	3.620 mm
Digging radius	5.270 mm
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

Travel speed max.	5,5 km/h
Gradeability	58 %
Chain width	300 mm



Ground clearance	280 mm
------------------	--------

Dozer Blade

Width	1.620 mm
-------	----------

Height	410 mm
--------	--------

Stroke max. lifting height levelling blade above ground level	410 mm
---	--------

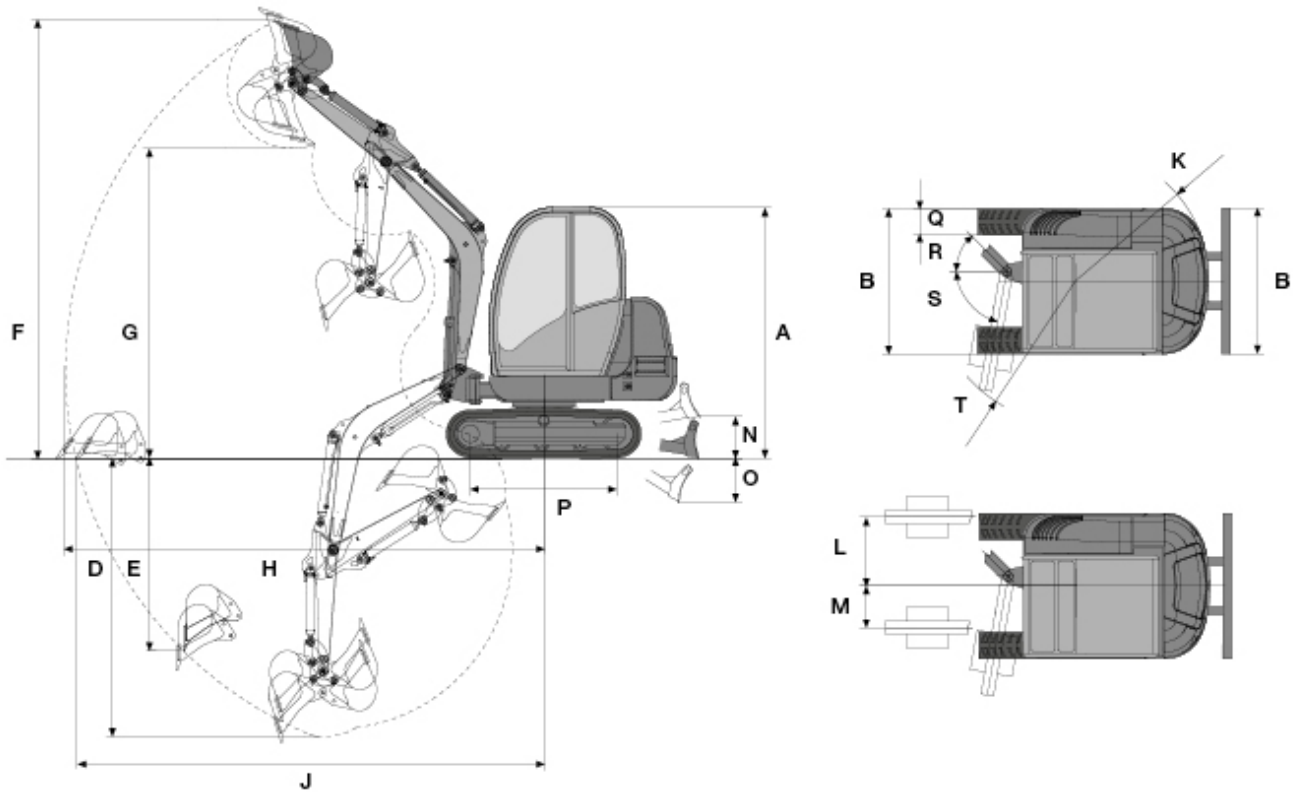
Stroke max. scraping depth of levelling blade below ground level	490 mm
--	--------

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



A	Height	2.405 mm
B	Width	1.620 mm
	Transport length (Arm gesenkt)	5.170 mm
D	Digging depth Max. (short dipper arm)	3.230 mm
D	Digging depth Max. (long dipper arm)	3.530 mm
E	Insertion depth Max. vertical (short dipper arm)	2.220 mm
E	Insertion depth Max. vertical (long dipper arm)	2.500 mm
F	Insertion height Max. (short dipper arm)	4.910 mm
F	Insertion height Max. (long dipper arm)	5.100 mm
G	Dumping height Max. (short dipper arm)	3.620 mm
G	Dumping height Max. (long dipper arm)	3.810 mm
H	Digging radius Max. (short dipper arm)	5.270 mm
H	Digging radius Max. (long dipper arm)	5.546 mm



J	Range Max. (short dipper arm)	5.175 mm
J	Range	5.456 mm
	Rear overhang Max., on the ground (long dipper arm)	590 mm
K	Rear swivel radius Min.	1.400 mm
L	Arm displacement Max. boom offset to centre of bucket, right side	685 mm
M	Arm displacement Max. boom offset to centre of bucket, left side	415 mm
N	Lift height Max. dozer blade above ground	410 mm
O	Scraping depth Max. dozer blade below ground	490 mm
T	Boom slewing radius	1.388 mm
P	Length	2.075 mm
P	Length	1.600 mm
R	Turning angle Max. right	45 °
S	Turning angle Max. left	80 °
Q	Width	300 mm

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.

Copyright © 2015 Wacker Neuson SE.