

# The Classic Ones

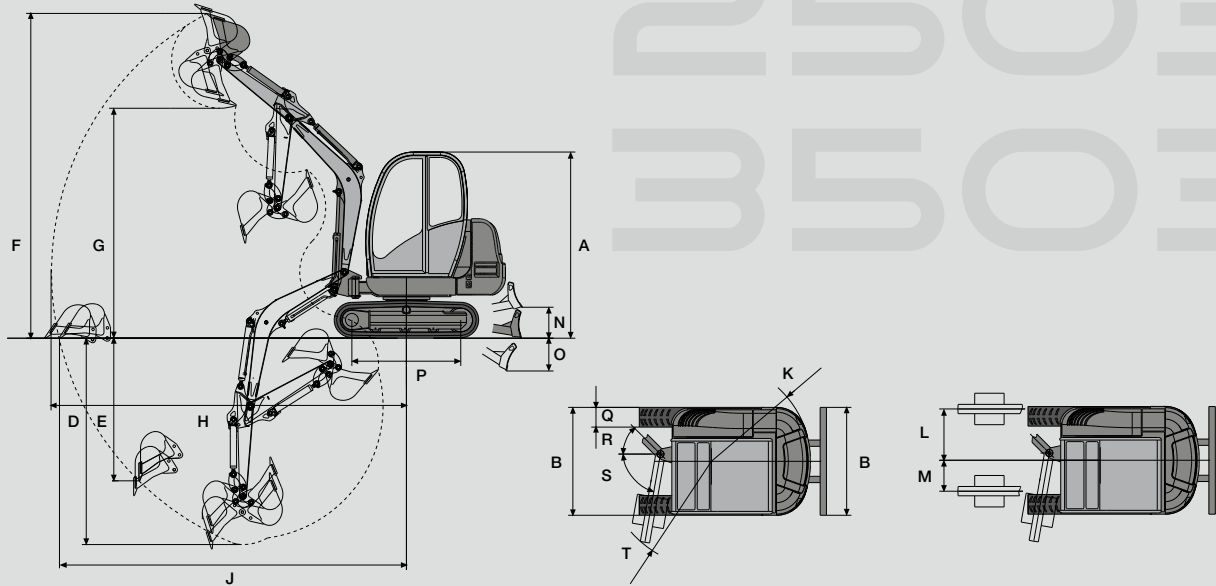
Wacker Neuson Compact Excavators  
2503 • 3503



**WACKER  
NEUSON**

# 2503

# 3503



## DIMENSIONS






	2503	3503
<b>A</b> Height	2370 mm	2405 mm
<b>B</b> Width	1370 mm	1620 mm
Transport length (arm lowered)	4410 mm	5170 mm
<b>BUCKET ARM SHORT/ LONG</b>		
<b>D</b> Max. excavation depth	2620 / 2825 mm	3230 / 3530 mm
<b>E</b> Max. vertical insertion depth	1810 / 2000 mm	2220 / 2500 mm
<b>F</b> Max. insertion height	4125 / 4250 mm	4910 / 5100 mm
<b>G</b> Max. cutting height	2925 / 3080 mm	3620 / 3810 mm
<b>H</b> Max. excavating radius	4515 / 4693 mm	5270 / 5546 mm
<b>J</b> Max. reach on the ground	4410 / 4602 mm	5175 / 5456 mm
<b>K</b> Rear swivel radius	1240 mm	1400 mm
<b>L</b> Max. arm displacement to middle of bucket right side	653 mm	685 mm
<b>M</b> Max. arm displacement to middle of bucket left side	393 mm	415 mm
<b>N</b> Max. lifting height levelling blade above ground level	390 mm	410 mm
<b>O</b> Max. scraping depth of levelling blade below ground level	415 mm	490 mm
<b>P</b> Length of travelling gear	1840 mm	2075 mm
<b>Q</b> Width of track	250 mm	300 mm
<b>R</b> Max. angle of swive arm system to the right	45 °	45 °
<b>S</b> Max. angle of swive arm system to the left	80 °	80 °
<b>T</b> Outrigger swivel radius	1360 mm	1470 mm
Max. shearing force	13 kN / 11 kN	20,6 kN / 16,8 kN
Max. breakaway torque	20 kN	30,3 kN
Vertical Digging System (VDS)	-	VDS
Length of bucket arm	1150 mm	1335 mm

## LIFTING POWER 2503

A	2 m		2,5 m		3 m		max.	
	0°	90°	0°	90°	0°	90°	0°	90°
3,0 m	-	-	-	-	400*	400*	415*	415*
1,0 m	1000*	815	670*	595	540*	460	425*	310
0,0 m	1210*	770	835*	560	635*	440	450*	315
-1,0 m	1030*	775	790*	560	580*	435	475*	380

## LIFTING POWER 3503



A	1,5 m		2,5 m		3,5 m		max.	
	0°	90°	0°	90°	0°	90°	0°	90°
3,0 m	-	-	-	-	745*	685*	800*	545
1,0 m	-	-	1795*	1000	1100*	620	890*	415
0,0 m	-	-	2130*	930	1300*	595	955*	420
-1,0 m	4200*	2295	2100*	950	1310*	590	1045*	475

	<b>2503</b>	<b>3503</b>
 <b>OPERATING DATA</b>		
<b>Transport weight</b>	2.485 - 2.820 kg	3.425 - 4.105 kg
 <b>ENGINE</b>		
<b>Manufacturer / type</b>	Yanmar 3TNV88	Yanmar 4TNV88
<b>Type</b>	water cooled 3 cylinder diesel engine (97/68/EC)	water cooled 4 cylinder diesel engine (97/68/EC)
<b>Engine output as ISO</b>	19,2 kW (26,1 PS)	23,7 kW (32,2 PS)
<b>Capacity</b>	1642 cm <sup>3</sup>	2189 cm <sup>3</sup>
<b>Nominal rotation speed</b>	2200 min <sup>-1</sup>	2000 min <sup>-1</sup>
<b>Battery</b>	12 V / 71 Ah	12 V / 71 Ah
<b>Volume of diesel tank</b>	41 l	52 l
 <b>HYDRAULIC SYSTEM</b>		
<b>Pump</b>	double variable displacement gear pump	
<b>Capacity</b>	28,5 + 28,5 + 19 l/min	44,5 + 44,5 + 25,1 l/min
<b>Operating pressure</b> for work and drive hydraulics	240 bar	240 bar
<b>Operating pressure</b> of turntable	200 bar	200 bar
<b>Hydraulic oil cooler</b>	Standard	Standard
<b>Hydraulic tank capacity</b>	27 l	50 l
 <b>DRIVING GEAR AND SLEWING GEAR</b>		
<b>2 driving speeds</b>	2,3 km/h, 4,4 km/h	2,8 km/h, 5,5 km/h
<b>Gradeability</b>	30° (58 %)	30° (58 %)
<b>Width of track</b>	250 mm	300 mm
<b>Number of runners each side</b>	3	4
<b>Ground clearance</b>	270 mm	280 mm
<b>Ground pressure</b>	0,33 kg/cm <sup>2</sup>	0,33 kg/cm <sup>2</sup>
<b>Revolving superstructure revolutions</b>	9 min <sup>-1</sup>	9,2 min <sup>-1</sup>
 <b>NOISE EMISSION</b>		
<b>Sound power level (L<sub>w</sub>)</b> as 2000/14/EG	94 dB(A)	95 dB(A)
<b>Sound pressure level (L<sub>p</sub>)</b> as ISO 6394	74 dB(A)	74 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, at horizontal standing on hard ground and without bucket. If a bucket or other work tool is attached, the lifting power or tipping load is reduced by their weight. Basis of calculations: as 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.

0°		with levelling blade support in direction of travel
90°		without levelling blade support 90° to direction of travel

**STANDARD EQUIPMENT****2503 • 3503****GENERAL****Rubber track****2503** 250 mm**3503** 300 mm**Dozer blade****Working light mounted to the boom****Tool set incl. grease press and maintenance manual****ENGINE****Water cooled YANMAR diesel engine****CANOPY**

Adjustable and sprung seat with artificial leather covering and safety belt. Canopy complies with the current ROPS, TOPS and FOPS\* regulations.

**HYDRAULICS****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**2503** **Dual travel speed****3503** **Auto2-Speed transmission**, dual travel speed operated automatically, 2nd gear manually locked**Hydraulically dampened drive pedals****Hydraulic oil cooler****Park brake turn motor**

\* FOPS (Level I or II) compliant only when fitted with additional protective guard, available as a factory-installed option or as a retrofit kit.

**OPTIONS****2503 • 3503****CABIN****Safety cabin**

cabin heating, split front window, top swings back, bottom lifts out, windscreen wiper and washing system, 1 cabin door, covered cab interior.

The cabin is removable and complies with the current ROPS, TOPS and FOPS\* regulations.

**Canopy** with back window**Radio**

Radio set incl. aerial and speakers

**Pre-installation radio****Rain cover****HYDRAULICS****Bio oil Panolin****BP-Biohyd SE46****Flat sealing coupling****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)****PAINTING****Special paint 1 RAL**

for parts in yellow only

**Special paint 1 non RAL**

for parts in yellow only

**Special paint cabin/canopy RAL**

RAL colours only

**MISCELLANEOUS****3503** **VDS Vertical Digging System****Cab lighting front****Cab lighting front and rear****Electrical refuelling pump****Flashing beacon****Idle speed autom. Operation****Driving signal****Long dipperstick****2503** + 200 mm**3503** + 300 mm**Security 24 (2000 h)**

Warranty extension to 24 months or 2000 operation hours

**Security 36 (3000 h)**

Warranty extension to 36 months or 3000 operation hours

**Steeltrack****2503** 250 mm**3503** 300 mm**Drive interlock KAT****PACKET****Mirror package**

Exterior mirror right and left