User manual

Compact excavators

1403 1503
1903 2203



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neuson®

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	Introduction	12
1.2	Instructions for ordering spare parts	13
1	Guarantee and warranty	13
1.1	Identification Plate	13
2	Safety	14
2.1	Safety rules	15
2.2	EC - Declaration of Conformity	21
3	Specifications	22
	Technical Data Compact Excavator 1403	22
	Principal Data 1403	22
	Driving and swiveling specifications 1403	22
	Engine 1403	23
	Hydraulic system 1403	23
	Dozer blade 1403	23
	Bucket (Standard) 1403	23
	Technical Data Compact Excavator 1503	24
	Principal Data 1503	24
	Driving and swiveling specifications 1503	24
	Engine 1503	25
	Hydraulic system 1503	25
	Dozer blade 1503	25
	Bucket (Standard) 1503	25
	Technical Data Compact Excavator 1903	26
	Principal Data 1903	26
	Driving and swiveling specifications 1903	26
	Engine 1903	27
	Hydraulic system 1903	27
	Dozer blade 1903	27
	Bucket (Standard) 1903	27
	Technical Data Compact Excavator 2203	28
	Principal Data 2203	28
	Driving and swiveling specifications 2203	28
	Engine 2203	29

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	Hydraulic system 2203	29
	Dozer blade 2203	29
	Bucket (Standard) 2203	29
3.2	Noise emissions	30
3.3	Vibration levels	30
3.4	Fire extinguisher	30
3.5	Stickers	31
	Stickers (1403-1503)	31
	Stickers (1903-2203)	32
3.6.	Primary Dimensions	33
	Primary Dimensions 1403	33
	Primary Dimensions 1503	34
	Primary Dimensions 1903	35
	Primary Dimensions 2203	36
4	Component designations	37
4.1	Cab equipment and controls	38
4.2	Functions at the instrument panel	39
	Work light	40
	Accelerator	40
	Driver's Seat	40
	Heater, Heating and Air Vents	41
	Windshield Wipers	41
4.3	Hydraulic System	41
	Release of residual pressure	41
	Emergency Control for Working Equipment (1503-2203)	41
	Hydraulic oil level	42
4.3.4	Hydraulic connections for additional attachments	42
5.2	Safety bracket (1403-2203)	43
5	Safety Equipment	43
5.1	Seat	43
5.3	Lifting the Seat Bracket (Frame)	44
6.1	Fuse box	45
	Order of fuses	45
7	Swinging and swiveling the excavator equipment	45

MidWestTech | Wacker Neuson 1403, 1503, 1903, 2203 Compact Excavator Operator's... Order the manual at mid-west-tech.com >

7.1 Left control lever 46
7.2 Right control lever 46
7.3 Excavator arm movements 46
7.4 Dozer Blade 46
7.5 Tilting the superstructure (only 2203) 47
7.6 Widening and narrowing the track base 47
7.7 Working with the telescopic traversing gear 48
7.8 Changing attachments 48
8 Towing equipment 49
9 Lifting the Crawler Excavator 49
10 Excavating options 50
10.1 Digging 50
10.2 Excavator arm swing angle 51
10.3 Bulldozing 51
10.4 Lifting 51
10.5 Cab protection 52
10.6 Stability 52
11 Transport instructions 53
11.1 After loading 53
12 Things to check before starting the excavator 54
12.1 Visual inspection 54
12.2 Check motor oil 54
12.3 Check hydraulic oil level 54
12.4 Check coolant level 55
12.5 Refuelling 55
12.6 Check safety equipment 55
13 Starting the excavator 56
Starting procedure 56
13.1 Jump starts (with jumper cables) 57
14 Driving the Crawler Excavator 59
14.1 Driving 59
Travel on dangerous ground and on slopes 59
14.2 Turning 59
14.3 Traveling speeds 60

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3 Specifications
Technical Data Compact Excavator 1403

Principal Data 1403

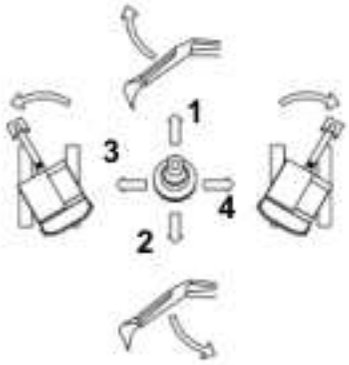
Principal Data 1403	
Unladen weight with cab	1560 kg
Unladen weight with canopy	1470 kg
Height to top of cab	2330 mm
Width	990 mm
Lenght	3836 mm
max. digging depth	2235 mm
max. digging height	3450 mm
max. dumping height	2495 mm
max. digging radius	3770 mm
Force per bucket tooth	1389 kp
min. rear swiveling clearance	1160 mm
min. excavator arm clearance	1555 mm
Excavator arm angle left	80°
Excavator arm angle right	45°

Driving and swiveling specifications 1403

Driving and swiveling specifications 1403	
2 speeds	2,3 & 4,5 km/h
Climbing ability	30° (58%)
Track width	230 mm
Number of track rollers per side	3 per side
Track tensioner	Grease cylinder with tension spring
Ground clearance	200 mm
Ground pressure (of excavator when level	0,28 kg/cm²
Swiveling speed of revolving superstructure	10 revolutions per min

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7.1 Left control lever



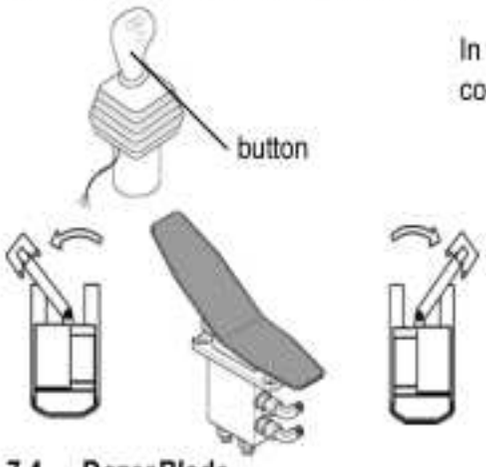
1	forward	bucket stick away from excavator
2	backward	bucket stick toward excavator
3	left	turn superstructure to the left
4	right	turn superstructure to the right

7.2 Right control lever



5	forward	lower boom
6	backward	raise boom
7	left	bring bucket in
8	right	extend bucket

7.3 Excavator arm movements



In order to swing the arm using the hammer pedal, the button on the left control lever must also be pushed in.

7.4 Dozer Blade

The dozer blade can be raised or lowered like the boom, the left button on the right control lever must also be pushed in.

The width of the dozer blade can be adjusted from 990 mm to 1300 mm to accommodate a wider track base.

To create a wider blade, it is necessary to attach extensions on both sides. On the Compact Excavators 1503, 1903 und 2203, these extensions must be attached manually (**and secured with bolts**).

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20 Maintenance every 250 operating hours



NOTE: In addition to normal weekly maintenance and maintenance every 50 operating hours, the following maintenance should be carried out every 250 operating hours, see maintenance schedule 16.2

20.1 Engine

See engine operating instructions for maintenance schedule.

Change oil and oil filter

See engine operating instructions.
Dispose of used oil in accordance with environmental laws.

Replace fuel filter

Dispose of used filter in accordance with environmental laws.

20.2 Hydraulics



ATTENTION: Always release residual pressure before working on the hydraulic system!

Check hydraulic oil and filter

If it is necessary to replace the hydraulic filter, dispose of the used filter in accordance with environmental laws.

20.3 Electrical components

Check the cable harness and the battery. If necessary tighten and secure to avoid twisting.

20.4 Attachments

Check for play and replace damaged or defective parts!

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