Operator's Manual

Track excavators

75Z3/8003



Machine models	**75Z3/8003**
Edition	**3.0**
Language	**EN**
Item no.	**1000132136**

WACKER NEUSON

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3.10 Control lever with proportional controls (option): overview

Notice!

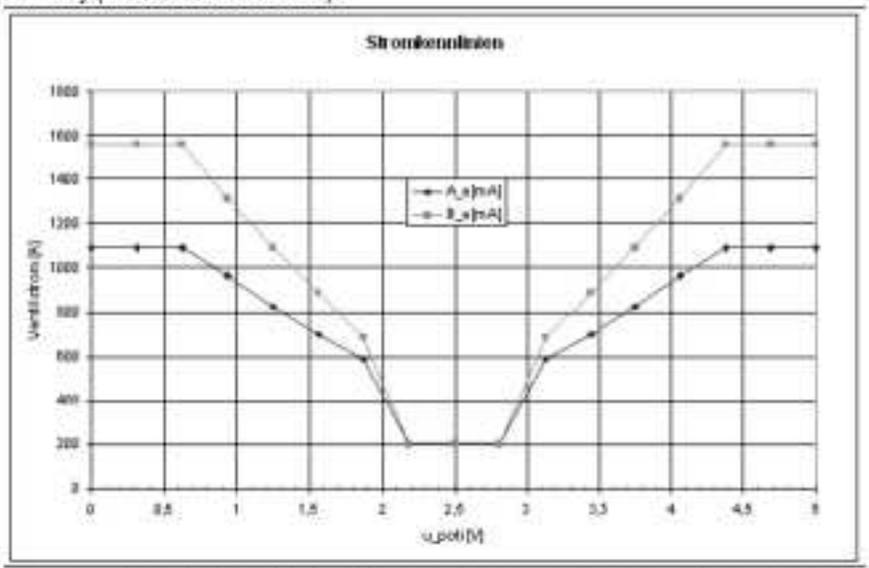
Fast actuation of the control lever for the attachment moves the attachment fast. Slow actuation of the control lever moves the attachment slowly.

Function

This control mode offers proportional operation of the auxiliary hydraulics circuit depending on the position of slide switch **B** on the joystick.

You can also modify the properties of the characterisitic curve. Precision work, for instance with the offset bucket, does not require the full throughput of the auxiliary hydraulics. Therefore we recommend setting the controls to the low characteristic curve 1 (slow movements).

The slide switch is not pressed fully in this position and you can move the machine more smoothly (flat characteristic curve).



If you require the full throughput then characteristic curve 2 will be the choice to make (slide switch pressed as far as it will go).

Caution!

Always use button **C** on the joystick for hammer operation.

☞ *Do not use characteristic curve 1 for hammer operation since as described above, oil throughput is not set to maximum in this case and therefore the hydraulic output is not fully available for hammer operation.*

Pressing button **C** ensures full throughput irrespective of the characteristic curve that has been selected!

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5.15 Maintenance plan (overview)

Work description

For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.

	Maintenance plan/service hours (s/h)							
	Maintenance work (once a day)	Every 50 s/h	Every 250 s/h	Every 500 s/h	Every 1000 s/h once a year	Every 1500 s/h	Customer	Authorised workshop
Fluid and filter changes ( ):								
Carry out the following oil and filter changes (check oil levels after test run):								
• Engine oil[1]		●		●				●
• Engine oil filter[2]		●		●				●
• Fuel filter[3]		●		●				●
• Air filter element as indicated by telltale							●	
• Coolant					●			●
• Hydraulic oil filter insert[4]		●		●				●
• Hydraulic oil					●			●
• Hydraulic oil tank breather					●			●
• Gearbox oil[5]		●			●			●
Inspection work ( ):								
Check the following material. Refill if necessary:								
• Engine oil	●						●	
• Engine coolant	●						●	
• Hydraulic oil	●						●	
• Gearbox oil		●						●
Clean water ducts[6]					●			●
Check engine/hydraulic oil radiator and air conditioning for dirt. Clean if necessary	●						●	
Check cooling systems, heating and hoses for leaks and pressure (visual check)	●						●	
Replace cab filter for heating and air conditioning				●				●
Check the pilot control filter for dirt, clean it if necessary					●			●
Air filter (damage)	●						●	
Prefilter with water separator: drain water	●						●	
• Clean				●				●
Check V-belt condition and tension	●						●	

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6.13 Dimensions model 8003

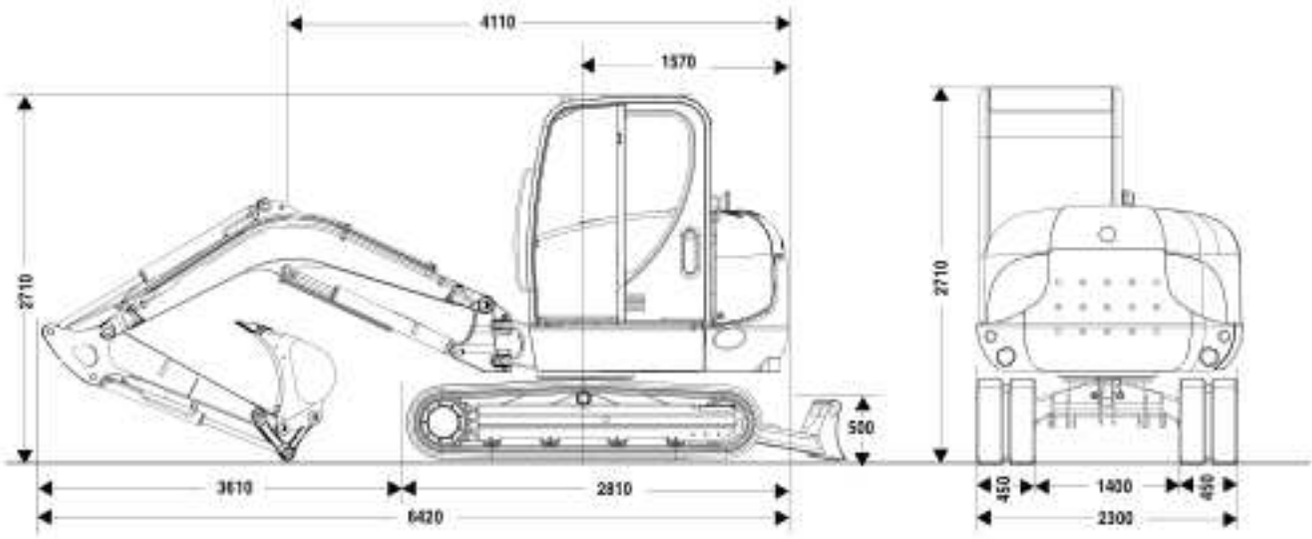
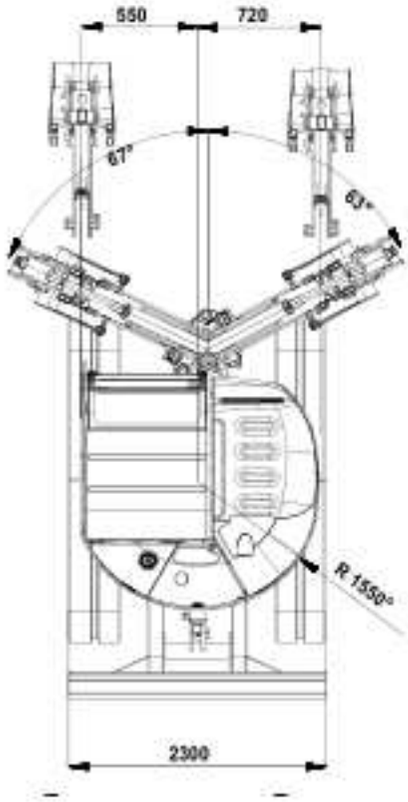


Fig. 142: Machine dimensions (model 8003)



Main data	Model 8003	Vario
Service weight	7625 kg	8245 kg
Height	2710 mm	2864 mm
Width	2300 mm	2300 mm
Transport length	6420 mm	6570 mm
Max. digging depth	4290 mm	4162 mm
Stick length (standard)	1850 mm	1850 mm
Stick length (long version)	2150 mm	2150 mm
Max. digging depth for long stick (+ 300 mm)	4580 mm	4462 mm
Max. vertical digging depth	3670 mm	3516 mm
Max. vertical digging depth (long stick)	3970 mm	3814 mm
Max. digging height	6980 mm	7128 mm
Max. digging height (long stick)	7170 mm	7317 mm
Max. dump height	4840 mm	5000 mm
Max. dump height (long stick)	5030 mm	5190 mm
Max. digging radius	7170 mm	6290/7420 mm
Max. digging radius (long stick)	7440 mm	7190/7690 mm
Max. reach at ground level	7020 mm	6770/7270 mm
Max. reach at ground level (long stick)	7300 mm	7050/7550 mm
Max. breakout force at bucket tooth	52.30 kN	52.30 kN
Max. tearout force (standard stick)	38.70 kN	38.70 kN
Max. tearout force (long stick)	35.10 kN	35.10 kN
Min. tail end slewing radius	1550 mm	1550 mm
Max. tail end lateral projection over tracks	400 mm	150/650 mm
Max. boom displacement to bucket centre (right-hand side)	720 mm	970 mm
Max. boom displacement to bucket centre (left-hand side)	550 mm	800 mm

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6.19 ECU from serial nos. AH00646 (75Z3)/AH00611 (8003)



Fig. 140: ECU

The ECU is located above the main fuse box, under the cab.

6.20 Coolant compound table

Outside temperature	Coolant			
	Water	Anticorrosion agent		Antifreeze agent
Up to °C	% by volume	cm³/l	% by volume	% by volume
4	99	10	1	–
-10	79			20
-20	65			34
-25	59			40
-30	55			44

6.21 Powertilt

Powertilt	Models 75-9503
Model size	8
Piston stroke	1460 cm³ (89.1 cu. in.)
Required oil flow	12 – 20 l/min (3.2 – 5.3 gal/min)
Connections	1/4"
Slewing range	180°
Weight	150 kg (331 lbs.)
Drive torque – at 210 bar (3045 psi)	7350 Nm (5421 ft/lbs.)
Holding torque – at 225 bar (3263 psi)	17250 Nm (12723 ft/lbs.)
Minimum hose/pipe size Connecting hose size	10 mm (0.4") 6 mm (0.23")

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Pos.	Description	For more information see page
1	Cover for hammer pedal	
2	Hammer pedal	3-47
3	Control lever (left)	3-50
4	Control lever (right)	3-50
5	Control lever base (left)	3-40
6	Control lever base (right)	
7	Armrest (left)	
8	Armrest (right)	
9	Lever (horizontal seat adjustment)	3-31
10	Air vent (rear window, on the left)	
11	Air vent (rear window, on the right)	
12	Radio (option)	
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15	Cup holder	
16	Bracket (storage box for documents)	
17	Switch panel	3-5
18	Throttle	3-11, 3-23
19	Fuse box	6-3
20	Preheating start switch	3-11
21	Cigarette lighter	
22	Coolant temperature indicator (up to serial number AH00610)	
23	Round display element	
24	Drive pedal (left)	3-19
25	Drive pedal (right)	3-19
26	Drive lever (left)	3-19
27	Drive lever (right)	3-19
28	Vario warning light (8003 option)	
29	Stabiliser blade lever/pedal	

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