

Small turn

Wacker Neuson Small turn Excavator
6003₂ • 8003₂



**WACKER
NEUSON**

Powerful and versatile: The shape of power.

A DESIGN PRINCIPLE BECOMES A SUCCESS: THE ENGINE PLACED AT THE SIDE AND SEPARATED FROM THE CABIN. PLACE THE CONTROLS AT THE REAR AND IN THIS WAY PROVIDE OPTIMAL ACCESS FOR SERVICING THE ENGINE. SET EVERYTHING ON A PARTICULARLY RIGID, ROBUST AND WELL-PROVEN X FRAME OF HIGH QUALITY STEEL.

- The Wacker Neuson 6003₂ and 8003₂ shape a new class: More powerful, more manoeuvrable, more comfortable.
- The Small turns are the individuals amongst the compact excavators and versatile system base for the mounted tools.
- The programmable proportional control (an option for both models) can be individually adjusted to suit the mounted tools. The result: particularly efficient and fine work in every situation and combination.
- The 6003₂ is the only excavator of its class that can be fitted with an additional pivot arm for an even better excavation curve.
- The spacious cabin, tested by ROPS/FOPS/TOPS, is separated from the engine space; inside it remains cooler than is the case with excavators of traditional construction.
- The powerful engines are also environmentally up to date, and the Wacker Neuson hydraulics are competent for every task.

Wacker Neuson Factors:

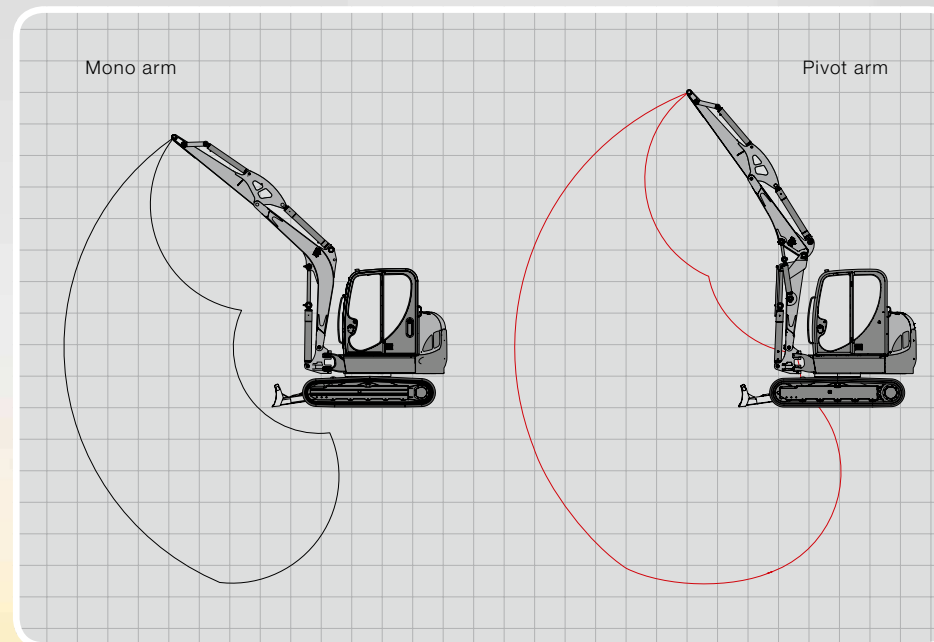
- Superior engines.
- Tilting cabins with ROPS/FOPS/TOPS safety certificates.
- 5 way adjustable driver's seat.
- Excellent stability and particularly good manoeuvrability with minimised overhang at the back.
- Easy accessibility for the daily visual inspections.
- Rigid and robust X frames for stability and durability.
- High strength steel.
- Replaceable bushes on generously dimensioned bearings.



Pivot arm as option:
Fewer work steps,
greater efficiency.



Agile and versatile:
Attention-getter and performer
on every building site.



Stronger performance and any number of possibilities:

With this excavator all areas of application are open, and with an additional pivot arm a new performance dimension is given. The excavation curve makes it clear: the additional reach, depth of excavation and dumping height.

Convincing performance and a distinctive profile:

Real professional quality can be recognised in the suitability for daily use: compact design, optimal all round view, the tippable cabin, excellent motorisation and particularly good hydraulic performance create a clear advantage in performance. For every application... and not just in theory.



Wacker Neuson excavators simply provide more: they improve construction processes.

The particularly economical engines meet all the applicable environmental obligations of TIER III.



Intelligent performance management: The engines of sustainable cost effectiveness.

1 Engine speed automatic after 5 seconds without movement the engine automatically goes into idling. This reduces fuel consumption and noise.

The large dimensioned hydraulic system provides such a clear reserve of power that 100 % performance can be guaranteed even with an ambient temperature of up to 45°C.

2 Hydraulic control circuits for the deployment of complex multifunction or particularly powerful add on tools.

3 The proportional control * enables the adjustment of the characteristic curves for the response behaviour and the movement of the respective add-on equipment. At the push of a button a switch between the characteristic curves and the best synchronisation between excavator and tool is guaranteed.

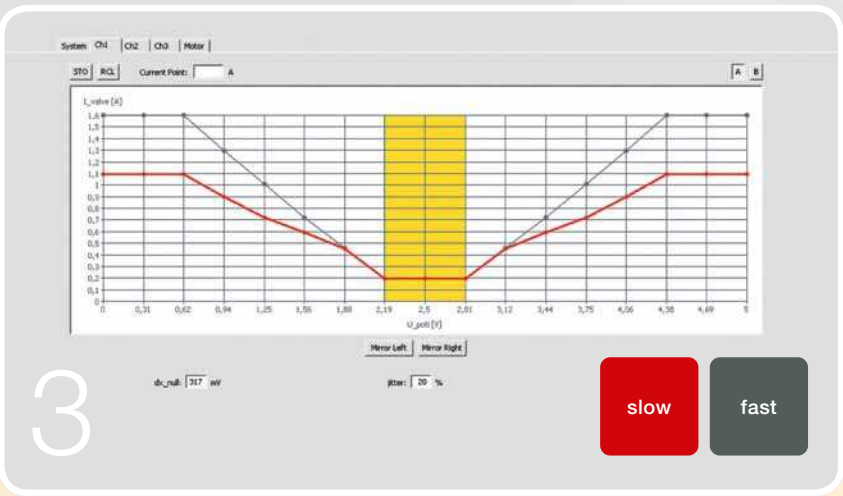
4 The innovative HSWS quick change system EASY LOCK is optimally tuned to the response behaviour of both of the models 6003₂ and 8003₂ and contributes quite decisively to improvement of the work processes: drive up, dock and automatically lock. Due to the low construction height the displacement angle of the shovel is fully maintained. A very important contribution to an improved work flow.

* Optional additional equipment.

The small turn models 6003₂ and 8003₂ are not on their own.

With their add-on tools, with the EASY LOCK quick change system, with generously dimensioned hydraulic performance and with additional control circuits they can contribute substantially to making the work on site more plannable and more profitable. They improve the value¹, by couple together the work steps in such a way that a continuous work flow is created.

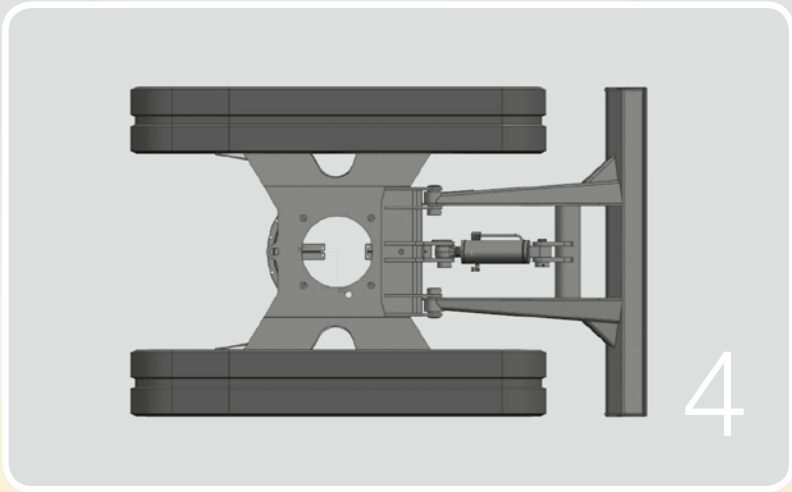
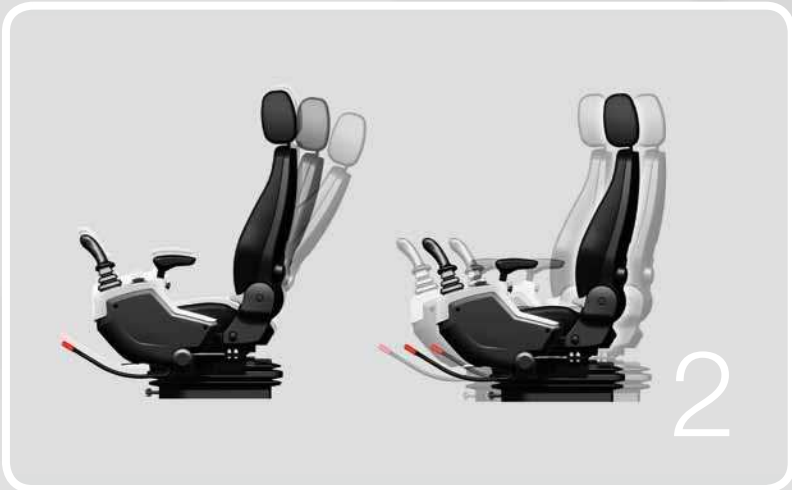
¹ More information: Fraunhofer-Institut für Produktionstechnik und Automatisierung in Stuttgart.



easylock

Cabin comfort and stability: General conditions of excellent performance.

- 1 Generously dimensioned tipping cab with excellent all round view. A comfortable work place ... also an enormous safety factor. Unobstructed service access to all components.
- 2 Ergonomically correct is always an individual matter: The driver's seat can be adjusted in 5 ways.
 - forwards and backwards
 - forwards and backwards with control panel for the same space between driver and instruments
 - height of seat
 - adjustment to the weight of the driver
 - adjustability of the arm rests and back rest
- 3 New cab interior with ample head- and legroom and newly integrated storage areas. Also new: the stable joystick mounting, instrumentation mounting and pedals. Easy driver access thanks to wide and high doorways. The armrest can be folded right back.
- 4 Robust and high quality steel forms the particularly rigid X frame. That is stability which bears up to everything.
- 5 Comfortable entry into the cab: wide driver's door, high construction and sturdy hand grips.
- 5 Simple and sturdy mechanism for pushing up the windscreen and for its secure holding under the cab roof.



NEW
CAB
INTERIOR

The actual performance of an excavator on the construction site depends to a great extent on the people operating it.

Therefore in the models 6003₂ and 8003₂ everything is done to actively support the quality of their work on site. The machine productivity is outstanding due to the combination of long service intervals and short maintenance down times.

The everyday performance of an excavator on the worksite depends essentially on the person operating it.

Ideal cab design and cab ergonomics, along with comprehensive safety considerations (the cab is ROPS/FOPS/TOPS-tested) offer the perfect working environment:

The ample legroom, five-position adjustable driver's seat, air conditioning (optional), proportional steering (optional) and comfortable driver access make for easier work, preciser handling and better results. All in all, efficiency and safety gains are guaranteed, for driver and operator alike.

INNOVATIVE WINDSCREEN SYSTEM FOR COMFORT, COMMUNICATION AND SECURITY:



1 Fully glazed front part: Excellent visibility and perfect protection from wind and weather. A thoroughly tried-and-tested concept (tilted position).



2 The top sliding part simply slides under the cab roof. There it is safely stowed.



3 Dialogue position: The lower pane is slid under the upper pane. This allows the driver to chat with people outside the excavator.



4 Both sliding panes are stowed under the cab roof. There is no need to remove them or store them elsewhere. This reduces the likelihood of their damage.

Leading technology
with system:
from the construction
through to servicing.



Quality in detail. Know-how and experience as specialist for compact excavators.

The purchase of an excavator is a system decision for the future. Wacker Neuson models are known for their excellent performance, for low consumption, for being easy to service and for the ergonomic design of the controls. For these reasons the compact excavators 6003₂ and 8003₂ are also your first choice for the future.

6003₂
8003₂

- 1 Auto2Speed.
Automatic changing down from second gear when it is worthwhile due to the workload being undertaken (e.g. when levelling).
- 2 Particularly durable hybrid tracks* which can be driven easily over asphalt and sharp edged surfaces and whose links can be individually replaced.
- 3 Diesel particle filter* for all uses where clean air is of particular importance: in closed spaces or in tunnel construction and mining.



Counter weights for even greater safety*: up to 16 % (6003₂) or 15 % (8003₂) more stability by the deployment of 300 kg counterweight for the 6003₂ and 400 kg for the 8003₂. And all this with only 70 mm additional overhang at the back.

* Optional additional equipment.



Versatility, showing
itself every day:
Equipped for all applications.

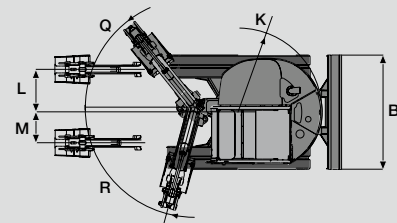
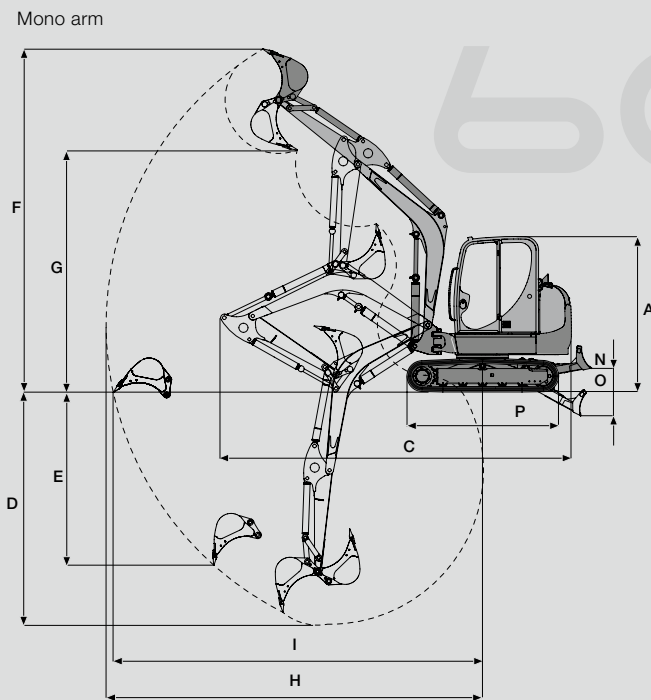
6003₂
8003₂



Chances are possibilities meeting strengths...

and the small turn models 6003₂ / 8003₂ are strong partners on the way to new successes. Because they open new fields of operation. Because they are optimally prepared for the interplay with add on tools. Because they prove their strengths under difficult conditions. Because they reach beyond the normal and always find their own form.





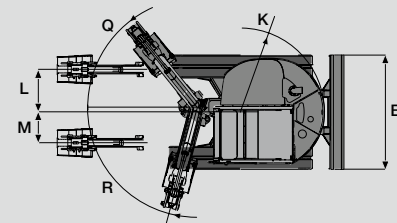
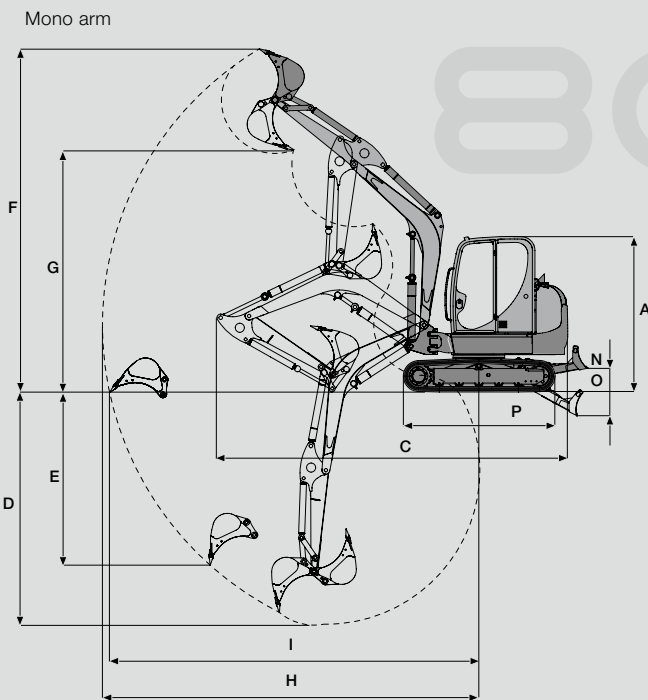
DIMENSIONS

	6003 ₂ Mono arm	6003 ₂ Pivot arm
A Height	2570 mm	2570 mm
B Width	1990 mm	1990 mm
C Transport length (arm lowered)	5800 mm	5258 mm
BUCKET ARM SHORT/ LONG		
D Max. excavation depth	3845 / 4140 mm	3872 / 4174 mm
E Max. vertical insertion depth	2855 / 3135 mm	3218 / 3497 mm
F Max. insertion height	5660 / 5850 mm	6504 / 6747 mm
G Max. cutting height	3995 / 4185 mm	4746 / 4990 mm
H Max. excavating radius	6210 / 6490 mm	6604 / 6894 mm
I Max. reach on the ground	6090 / 6380 mm	6495 / 6790 mm
Max. overhang at rear (top part of vehicle turned 90°)	470 mm	530 mm**
K Rear swivel radius	1465 mm	1525 mm**
L Max. arm displacement to middle of bucket right. side 745	745 mm	745 mm
M Max. arm displacement to middle of bucket left. side 535	535 mm	535 mm
N Max. lifting height levelling blade above formation	390 mm	390 mm
O Max. lifting height levelling blade above formation	400 mm	400 mm
P Length of travelling gear	2500 mm	2500 mm
Q Max. angle of swivel arm system to the right	51°	51°
R Max. angle of swivel arm system to the left	75°	75°

**with Counterweight



LIFTING POWER 6003 ₂ Mono arm										LIFTING POWER 6003 ₂ Pivot arm									
B	A	3 m		4 m		5 m		max.		B	A	3 m		4 m		5 m		max.	
		0°	90°	0°	90°	0°	90°	0°	90°			0°	90°	0°	90°	0°	90°	0°	90°
4.0 m		–	–	1245*	1155	–	–	1310*	1020	4.0 m		–	–	1335*	1125	–	–	1300*	805
3.0 m		–	–	1265*	1145	–	–	1300*	805	3.0 m		–	–	1415*	1090	1250*	735	1220*	640
2.0 m		1885*	1700	1490*	1100	1330*	775	1320*	710	2.0 m		2265*	1555	1600*	1010	1300*	705	1180*	565
1.0 m		2615*	1550	1775*	1035	1435*	750	1360*	675	1.0 m		2710*	1350	1785*	920	1365*	665	1155*	535
0.0 m		2970*	1470	1970*	990	1495*	730	1410*	690	0.0 m		2715*	1265	1840*	855	1365*	630	1125*	540
-1.0 m		2910*	1450	1965*	970	–	–	1465*	760	-1.0 m		2420*	1255	1710*	835	1215*	620	1075*	590
-2.0 m		2450*	1475	–	–	–	–	1495*	965	-2.0 m		1850*	1285	1315*	855	–	–	940*	725



DIMENSIONS

	8003 ₂ Mono arm	8003 ₂ Pivot arm
A Height	2710 mm	2710 mm
B Width	2250 mm	2250 mm
C Transport length (arm lowered)	6570 mm	5585 mm
BUCKET ARM SHORT/ LONG		
D Max. excavation depth	4290 / 4580 mm	4260 / 4560 mm
E Max. vertical insertion depth	3670 / 3970 mm	3266 / 3558 mm
F Max. insertion height	6980 / 7170 mm	7768 / 8036 mm
G Max. cutting height	4840 / 5030 mm	5614 / 5882 mm
H Max. excavating radius	7170 / 7440 mm	7482 / 7778 mm
I Max. reach on the ground	7020 / 7300 mm	7345 / 7646 mm
Max. overhang at rear (top part of vehicle turned 90°)	400 mm	400 mm
K Rear swivel radius	1550 mm	1550 mm
L Max. arm displacement to middle of bucket right. side 745	720 mm	720 mm
M Max. arm displacement to middle of bucket left. side 535	550 mm	550 mm
N Max. lifting height levelling blade above formation	450 mm	450 mm
O Max. lifting height levelling blade above formation	520 mm	520 mm
P Length of travelling gear	2830 mm	2830 mm
R Max. angle of swivel arm system to the right	63°	63°
Q Max. angle of swivel arm system to the left	67°	67°



LIFTING POWER 8003 ₂ Mono arm										LIFTING POWER 8003 ₂ Pivot arm									
B	A	3 m		4 m		5 m		max.		B	A	3 m		4 m		5 m		max.	
		0°	90°	0°	90°	0°	90°	0°	90°			0°	90°	0°	90°	0°	90°	0°	90°
4.0 m	—	—		2010*	1930	1915*	1330	1920*	1165	4.0 m	—	—	2190*	1795	1960*	1215	1890*	925	
3.0 m	2925	2920	2315*	1845	2020*	1300	1895*	985	3.0 m	3295*	2685	2465*	1685	2060*	1170	1805*	800	1805*	800
2.0 m	4070*	2620	2750*	1730	2205*	1245	1905*	920	2.0 m	4250*	2300	2820*	1535	2205*	1100	1745*	735	1745*	735
1.0 m	4770*	2400	3120*	1620	2380*	1185	1930*	890	1.0 m	4585*	2060	3065*	1405	2315*	1030	1690*	715	1690*	715
0.0 m	4750*	2335	3260*	1550	2455*	1145	1960*	910	0.0 m	4295*	2015	3070*	1335	2315*	985	1625*	730	1625*	730
-1.0 m	4375*	2330	3135*	1530	2345*	1130	1975*	990	-1.0 m	3770*	2030	2825*	1320	2130*	970	1515*	800	1515*	800
-2.0 m	3675*	2365	2690*	1545	—	—	1940*	1180	-2.0 m	2960*	2085	2285*	1345	1610*	1000	1310*	950	1310*	950



OPERATING DATA

	6003 ₂ Mono-/pivot arm	8003 ₂ Mono-/pivot arm
Transport weight	5500 kg • 5825 kg	7625 kg • 8000 kg
Max. shearing force	28.1 kN	38.7 kN
Max. shearing force longer bucket arm	25.1 kN	35.1 kN
Max. breakaway torque	39.7 kN	52.3 kN



ENGINE

Manufacturer / type	Yanmar 4TNV98	Yanmar 4TNV98
Type	Water cooled 4 cylinder diesel engine	Water cooled 4 cylinder diesel engine
Max. engine performance	51.1 kW (69.5 HP)	51.1 kW (69.5 HP)
Flywheel performance as ISO	43.7 kW (58.5 HP)	43.7 kW (58.5 HP)
Capacity	3318 cm³	3318 cm³
Nominal rotation speed	2100 min ⁻¹	2100 min ⁻¹
Battery	12 V, 88 Ah	12 V, 88 Ah
Volume of diesel tank	83 l	93 l



HYDRAULIC SYSTEM

Pump	Double variable- and double hydraulic gear pump	
Capacity	2 x 59.6 + 44.7 + 9.6 l/min	2 x 76.7 + 2 x 34.1 l/min
Operating pressure for work and drive hydraulics	245 bar	300 bar
Operating pressure slewing gear	215 bar	245 bar
Hydraulic oil cooler	Standard	Standard
Hydraulic tank capacity	80 l	99 l



DRIVING GEAR AND SLEWING GEAR

2 driving speeds	2.8 km/h and 4.7 km/h	3.2 km/h and 5.2 km/h
Gradeability	30°/58 %	30°/58 %
Width of tracks	400 mm	450 mm
Number of runners each side	5	5
Ground clearance	290 mm	380 mm
Ground pressure	0.33 kg/cm²	0.36 kg/cm²
Revolving superstructure revolutions	9 min ⁻¹	9.2 min ⁻¹



LEVELLING BLADE

Width	1990 mm	2300 mm
Height	425 mm	500 mm
Max. Lift above formation level	390 mm	450 mm
Max. lift below formation level	400 mm	520 mm



NOISE EMISSION

Sound power level (L _w) (as 2000/14/EG)	98 dB (A)	98 dB (A)
Sound pressure level (L _p) (as ISO 6394)	78 dB (A)	78 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

SERIENAUSSTATTUNG

6003₂ • 8003₂

ALLGEMEIN

- 6003₂ Gummikette 400 mm
- 8003₂ Gummikette 450 mm

Planierschild

Arbeitsscheinwerfer am Hubarm

Werkzeugsatz inkl. Fettpresse und Wartungshandbuch

MOTOR

Wassergekühlter YANMAR-Dieselmotor

Drehzahlautomatik

KABINE

Verglaste, kippbare Sicherheitskabine:

Kabinenheizung, Schiebefenster seitlich, Frontscheibe nach innen versenkbar, Scheibenwisch/waschanlage, vollständige Innenauskleidung, Schwenkkonsolen, Armlehnen; Kabine erfüllt die ROPS/FOPS/TOPS-Bestimmungen

Radiovorbereitung

Verkabelung, Boxen, Antenne

Verkabelung

Scheinwerfer und Drehleuchte

HYDRAULIK

Summenleistungsregelung

Hydraulische Vorsteuerung

mit Joystick-Bedienung

Ventilsteuerung

nach ISO, DIN, SAE, PCSA und EURO

Zusatzhydraulikanschlüsse

für 2 Bewegungsrichtungen am Löffelstil

Auto2-Speed Getriebe, 2 Fahrgeschwindigkeiten automatisch geschaltet, 2. Gang manuell sperrbar

Hydraulisch gedämpfte Fahrpedale und Fahrhebel

Hydraulikölkühler

Vergrößerte, drucklose Rücklaufleitung

für diverse Anbauwerkzeuge

OPTIONEN

6003₂ • 8003₂

KABINE

Klimaanlage

Luftgefederter Fahrersitz

Radio

HYDRAULIK

3. Steuerkreis proportionalgesteuert

8003₂ Highflow Zusatzhydraulik (105 l/min)

Bio-Öl Panolin

BP-Biohyd SE46

Flachdichtende Kupplung

Proportionalsteuerung (für Zusatzhydraulik)

Steuerkreis Greifer

Überdruckventil Zusatzhydraulik

Überlastwarneinrichtung Deutschland

Überlastwarneinrichtung Frankreich

Vorbereitung hydraulisches SWS (EASY LOCK)

Vorbereitung Powertilt

LACKIERUNG

Sonderlack 1 RAL nur für gelbe Teile

Sonderlack 1 kein RAL nur für gelbe Teile

Sonderlack Kabine RAL Nur RAL-Farbe möglich

SONSTIGE

Hybridkette

6003₂ (400 mm)

8003₂ (450 mm)

Stahlkette

6003₂ (400 mm)

8003₂ (450 mm), (600 mm)

Arbeitsscheinwerfer vorne

Arbeitsscheinwerfer vorne & hinten

Dieselbetankungspumpe

Drehleuchte

Fahrsignal

Kontergewicht

6003₂ +300 kg

8003₂ +400 kg

Löffelstiel lang (+300 mm)

Verstellausleger

Zentralschmieranlage

Security 24 (2000 h) Gewährleistungsverlängerung auf 24 Monate oder 2000 Betriebsstunden

Security 36 (3000 h) Gewährleistungsverlängerung auf 36 Monate oder 3000 Betriebsstunden

Wegfahrsperre KAT

PAKETE

Spiegelpaket

Spiegel rechts und links

Komfortpaket

Klimaanlage, Dieselbetankungspumpe, Radio, Aussenspiegelpaket, Arbeitsscheinwerfer vorne+hinten

Wacker Neuson compact equipment offers power and manoeuvrability on the spot. **Any time, any place.**

1000190000/12/2010/Heidmair/Friedrich VDV

We consider it a constant duty to ensure that our promise regarding our products and services is fulfilled:

Reliability, Trust, Quality, Reactivity, Flexibility and Innovation.

Compact construction equipment of the Wacker Neuson brand also does the business where others can only stand and watch. Our products prove their worth through quality, power, intelligent hydraulics, compact dimensions, innovative technology, high productivity and reliability. This gives a form of set-up that only Wacker Neuson – the specialist in compact equipment – is capable of.

You too can take advantage of this bespoke capability. The Wacker Neuson compact class is in a class of its own. With success stamped right through it.



WACKER NEUSON