

ViO57-6B



Type	Zero Tail
Operating Weight	5485 kg
Width	1990 mm
Digging Depth	3710 - 4000 mm

The advanced engine of the ViO57-6B meets all EU emission requirements, with electronic controls offering real precision power as well as first-rate fuel economy. A ViPPS hydraulic system co-ordinates performance, while automatic two-speed drive motors add further automatic precision and increase ease of operation. This zero tail machine also features an improved undercarriage, resulting in exceptional stability and durability, together with greater safety and operator comfort. Simple to maintain, optional SmartAssist Remote makes this machine straightforward to manage as well.



CIVIL ENGINEERING



AGRICULTURE



CONSTRUCTION



LANDSCAPING

Specifications		ViO57-6B
Weight	Transport weight	5410 kg
	Operating Weight	5485 kg
Engine	Type	4TNV86CT-PBV (Stage V engine with DPF)
	Fuel	Diesel
	Net Power	33,5 kW (at 2200 rpm)
	Gross Power	34,5 kW (at 2200 rpm)
	Displacement	2.091 l
	Max Torque	162,4 - 176,6 N.m
	Starter	12 V – 2,3 kW
	Battery	12 V – 100 Ah
	Alternator	12 V – 55 A
Hydraulic System	Maximum Pressure	245 bars
	Working Pump	2 double piston pump with variable flow / 1 gear pump / 1 gear pump for pilot line
	Max Flow	2 x 45,8 l/min / 37 l/min / 10,8 l/min
	Hydraulic Tank	38 l
Performance	Travel speed	2,2 – 4,4 km/h
	Rotation Speed	10 rpm
	Digging Force (arm)	24,4 / 22,2 kN (with long arm)
	Digging Force (bucket)	41,9 kN
	Traction Force	55,8 kN
	Noise level (2000/14/CE & 2005/88/CE)	79 dB(A) / 94 dB(A)
	Fuel Tank	66 l



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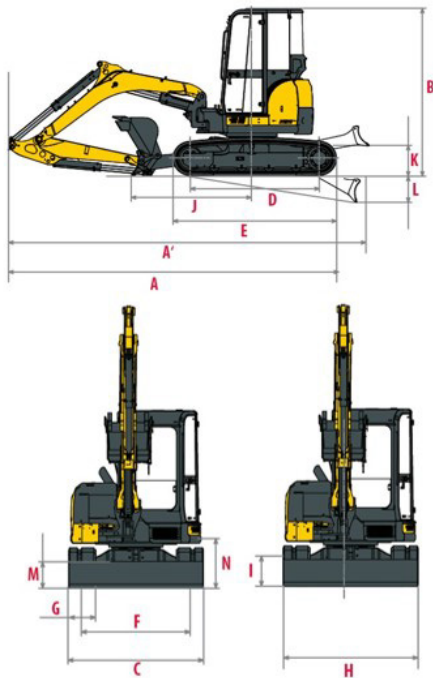


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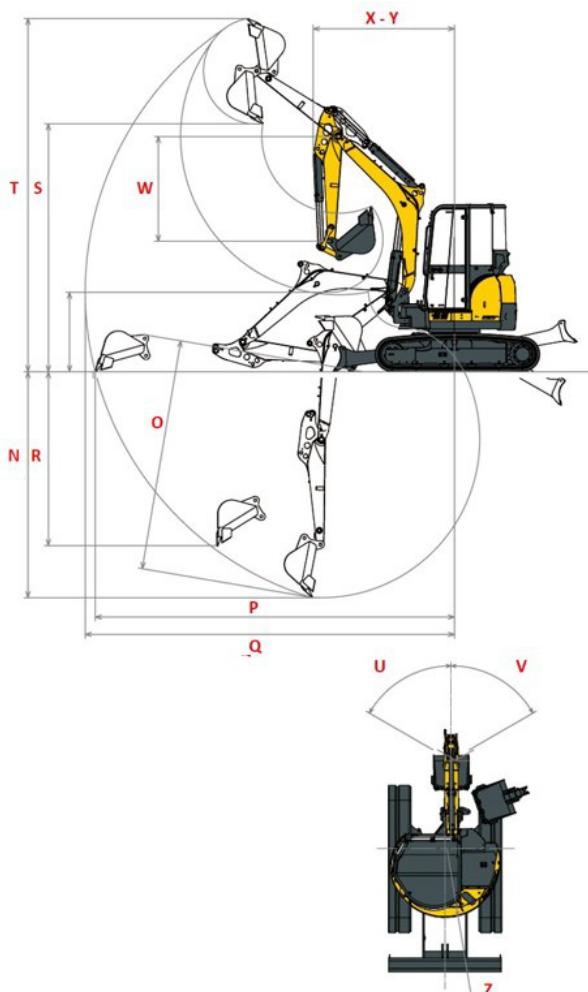


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Dimensions



Dimensions		ViO57-6B
A	Overall length	5510 / 5600 * mm
B	Overall height	2540 mm
C	Overall width	1990 mm
D	Length of track on ground	2070 mm
E	Undercarriage length	2590 mm
F	Lane	1590 mm
G	Track width	400 mm
H	Overall blade width	1970 mm
I	Overall blade height	400 mm
J	Blade distance	1890 mm
K	Max. blade height above the ground	500 mm
L	Max. lowering blade depth	540 mm
M	Minimum ground clearance	345 mm



Dimensions		ViO57-6B
N	Max. digging depth - Blade lifted	3710 / 4000 * mm
O	Max. digging depth - Blade lowered	3920 / 4210 * mm
P	Max. digging reach on ground	5950 / 6230 * mm
Q	Max. digging reach	6100 / 6370 * mm
R	Max vertical wall	2930 / 3210 * mm
S	Max. dumping height	4240 / 4420 * mm
T	Max. cutting height	5900 / 6080 * mm
U	Boom swinging base to left	68°
V	Boom swinging base to right	68°
W	Arm length	1650 / 1940 * mm
X	Minimum front swing radius	2180 / 2320 * mm
Y	Minimum front swing radius with boom swing	1760 / 1880 mm
Z	Rear swing radius	995 mm

* With long arm



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Features



COMPACTNESS

This is a true zero tail swing machine, as neither the counterweight nor the front part of the upper frame project beyond the track width. With its front part designed not to protrude, the ViO57-6B also has a very small turning radius. The rear blind spot is additionally reduced to a minimum. All of this results in improved safety for both the operator and on-site workers. It also makes this model ideal for constricted urban environments and when working along walls.



CLEAN STAGE V ENGINE

The advanced 28.3 kW TNV engine meets all EU Stage V emission requirements, thanks to cooled exhaust gas recirculation (EGR) which reduces drastically nitrogen oxide emissions, and a diesel particulate filter (DPF) that ensures cleaner exhaust emissions. Other eco-friendly features include direct injection for cleaner burning power, with a common rail system that allows for fine-tuned electronic control. In addition, an exclusive regeneration system combats clogging and reduces cleaning down-time.



ELECTRONIC ENGINE

Full electronic control gives the engine intelligent power and manoeuvrability, with drive motors automatically shifting up or down depending upon the effort required. The operator is thereby provided with the best solution in terms of speed or pushing force, making operation easier. Extra fuel economy comes from the eco-mode function, which reduces motor speed by 300 rpm, thereby reducing fuel consumption. If the operator doesn't touch the operating levers for four seconds, the engine drops back to idle. This also results in less noise and fewer emissions.



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Features



SMOOTH AND SIMULTANEOUS MOVEMENT

The ViO57-6B uses a ViPPS hydraulic system, which ensures smooth and co-ordinated performance across all operations, even while travelling. The system features two gear pumps and a double variable displacement piston pump. These three main pumps totalise a maximum flow of 139.4 l/min, available for main machine operating movements. The pump flows are cumulated in the main control valves to obtain the optimal combination of speed, power, smoothness and balance.



EASY OPERATION

The automatic two-speed drive motors shift automatically up and down depending upon the effort required. This instantly provides the best solution in terms of speed or pushing force, making operation easier. An auxiliary hydraulic circuit is also standard equipment on the ViO57-6B. This is operated via a proportional control function located on the joystick which adapts the course and direction of the oil flow. An easy-to-operate potentiometer further adjusts the oil flow to the optimal requirement for each attachment. In addition, a drive motor develops 10% more torque, improving cycle times and productivity, especially in levelling applications.



EXTRA COMFORT

The large cabin offers high levels of comfort, including a generously sized entrance door and plenty of interior legroom. A translation lever with folding pedals also adds further space and comfort for the operator. Welcome extra touches include an adjustable wrist rest, and the seat features pneumatic suspension. The ergonomic operating environment has also been designed to reduce noise and thus operator fatigue. Three rear-view mirrors ensure excellent all-round operational visibility as well.



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Features



IMPROVED STABILITY

The X-shaped box-section structure of the undercarriage provides excellent torsional stiffness, with the frame designed for maximum durability. All the components of the undercarriage have been upgraded to increase durability and service life of the machine and reduce its total cost of ownership. Specific upgrades include increase of the idler width by 25%, expansion of the track rollers diameter by 14% and width by 13%, and increase of the sprocket width by 29%. This new undercarriage design and an optimised mass distribution contribute to improving the overall stability of the ViO57-6B.



EASY MAINTENANCE

The ViO57-6B can be used for long periods between services. It's equipped with a digital interface which informs the operator in real time about the status of the machine and assists with scheduling servicing. Daily maintenance is made easy thanks to the easy-to-open engine bonnet and the single-hinge mounting of the right-hand side cover. This gives access to all major elements that may need regular checking, including the fuel tank, radiator, air filter and several other components. A flat floor mat also makes cleaning easier.



SMARTASSIST REMOTE

SmartAssist Remote is our unique fleet management system that uses the latest telematic technology to provide optimal visibility on equipment location and status. Available on the ViO57-6B, it can help to maximise work potential by letting you monitor and manage your machines remotely via a PC or smartphone. Check location, energy efficiency, consumption and maintenance requirements at any time. You can also opt for malfunction or unusual activity alerts, making it a useful security tool.



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