

# SV18



Type	Conventional Tail
Operating Weight	1975 kg
Width	980 - 1320 mm
Digging Depth	2420 mm

With its ultra-short swing radius and variable undercarriage, the SV18 is designed for accessing and working in the most cramped of environments. Its extreme compactness and lightness makes it easy to transport as well. An advanced engine is balanced with a thoughtfully designed hydraulics system to deliver smooth power and precision where and when they are needed. Durability, driver comfort and easy maintenance are also standout areas for the SV18.



CIVIL ENGINEERING



AGRICULTURE



CONSTRUCTION



LANDSCAPING

Specifications		SV18
Weight	Transport weight	1760 kg (canopy) / 1900 kg (cabin)
	Operating Weight	1835 kg (canopy) / 1975 kg (cabin)
Engine	Type	3TNV70-VBA2
	Fuel	Diesel
	Net Power	9,5 kW / 12,9 HP / 2100 rpm
	Gross Power	9,9 kW / 13,5 HP / 2100 rpm
	Displacement	0.854 l
	Max Torque	51,4 N.m. / 1500 rpm
	Starter	1,4 kW
	Battery	12 V - 45 Ah
	Alternator	12 V - 40 A
Hydraulic System	Maximum Pressure	200 bars
	Working Pump	1 piston pump with variable flow
	Max Flow	48,3 l/min
	Hydraulic Tank	20 l
Performance	Travel speed	2,2 / 4,1 km/h
	Rotation Speed	10 rpm
	Digging Force (arm)	7,4 kN
	Digging Force (bucket)	15,2 kN
	Traction Force	17 kN
	Noise level (2000/14/CE & 2005/88/CE)	91 dB(A) / 79 dB(A)
	Fuel Tank	24,5 l



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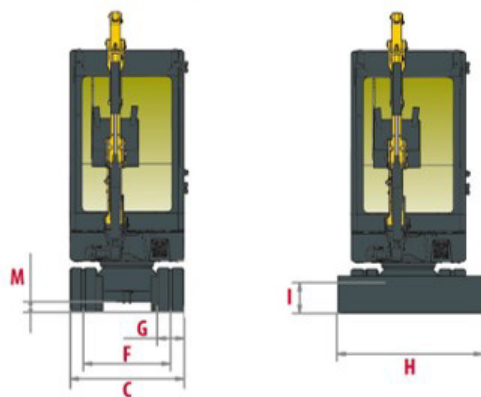
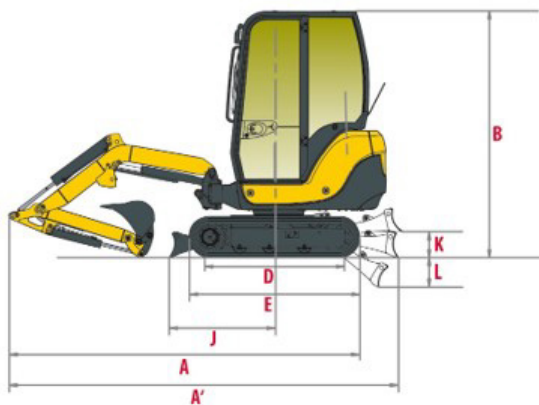


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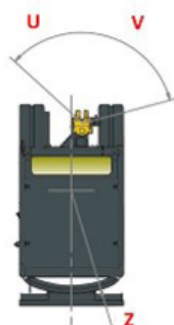
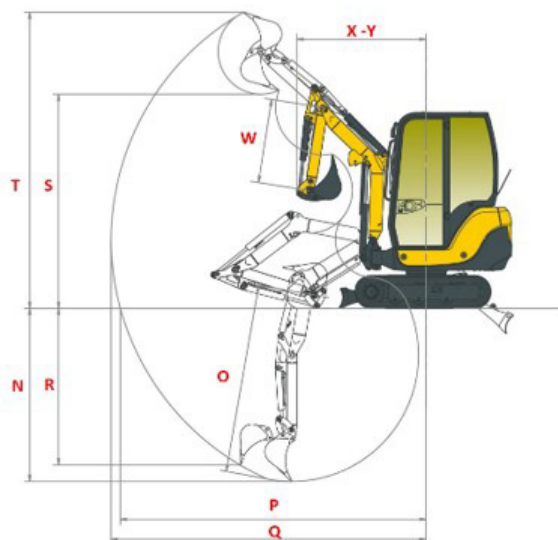


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# Dimensions



Dimensions		SV18
A	Overall length	3660 mm
B	Overall height	2215 – 2280 * mm
C	Overall width	980 – 1320 ** mm
D	Length of track on ground	1180 mm
E	Undercarriage length	1560 mm
F	Lane	750 – 1090 ** mm
G	Track width	230 mm
H	Overall blade width	980 – 1320 ** mm
I	Overall blade height	230 mm
J	Blade distance	1095 mm
K	Max. blade height above the ground	240 mm
L	Max. lowering blade depth	300 mm
M	Minimum ground clearance	160 mm



Dimensions		SV18
N	Max. digging depth - Blade lifted	2420 mm
O	Max. digging depth - Blade lowered	2580 mm
P	Max. digging reach on ground	3950 mm
Q	Max. digging reach	4040 mm
R	Max vertical wall	2140 mm
S	Max. dumping height	2740 mm
T	Max. cutting height	3760 mm
U	Boom swinging base to left	40°
V	Boom swinging base to right	80°
W	Arm length	1160 mm
X	Minimum front swing radius	1540 mm
Y	Minimum front swing radius with boom swing	1340 mm
Z	Rear swing radius	980 mm

\* Canopy – Cabin / \*\* Undercarriage closed – Undercarriage opened



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# Features



## COMPACTNESS

Coming in at less than one metre wide, the ultra-compact SV18 also benefits from minimal rear overhang and an exceptionally short swing radius. This makes it ideal for accessing and working in the tightest spots. In addition, the SV18 can be moved easily, along with its accessories, on a trailer, as it has a transportation weight of only 1760 kg (for the canopy version) and a very compact undercarriage. There are also four separate anchor points for fixation during transportation.



## VARIABLE UNDERCARRIAGE

The variable undercarriage of the SV18 makes it exceptionally versatile. Retractable at the flick of a switch, it can pass through gaps less than a metre wide, while extending the undercarriage gives the machine extra stability. The clearance between the chassis sliding parts is much reduced so that earth can't accumulate during enlargement. V shaped track boxes also reduce any build-up of stone and material and increase the overall strength.



## HIGH PERFORMANCE

The powerful, high-tech low-noise Yanmar TNV engine and the flow-sharing hydraulic system deliver a good balance of speed, excavation performance and low fuel consumption. Because the hydraulics have been carefully matched to the size of the machine, they operate smoothly, with no loss of power, even during simultaneous engine operation. There's pressure-free return as standard too. High-level excavation strengths and extended work cycle capability result in exceptional productivity while also respecting the environment.



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# Features



## DURABILITY

Every aspect of the SV18 has been built for durability, from the chassis structure and durable steel covers that provide fool-proof resistance all the way to hoses protected with abrasion-resistant sleeves. A large counterweight protects against possible shocks and friction against the walls, while routing on the top of the boom and right side of the machine counteract torsion and limit machine down time. The boom itself features spring steel cylinder protection and a single pin on the kingpost (most competitors use two) – further guarantees of reliability, as well as smoother operation.



## ADVANCED COMFORT

The SV18 cab interior is very spacious to allow for maximum freedom of movement, with plenty of legroom. The standard seat has comfortable suspension with multiple adjustability, and is equipped with a headrest to reduce operator stress and fatigue. For easy access, all controls are to the right hand side of the operator. These include the dozer blade lever and the fast and sensitive joysticks. An intuitive digital panel helps guide operation and provides maintenance overview as well.



## EASY MAINTENANCE

Fast, easy access to components greatly facilitates cleaning and maintenance tasks, reducing downtime. In particular, the rear and side covers, the panel under the seat and the removable floor all provide direct access to service points. The blade cylinder flexible is made of two parts for quick replacement in case of perforation. Where others use plastic parts we generally opt for metal components, which tend to need less maintenance and last longer.



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