



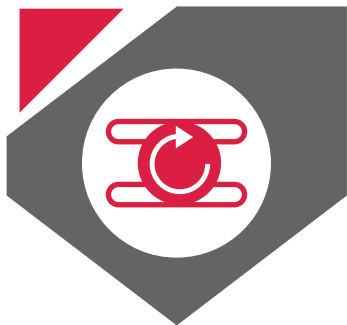
YANMAR

MICRO-EXCAVATOR

SV05-B

690 kg





> COMPACTNESS

SV05-B

Yanmar, the only manufacturer to offer a micro-excavator in this weight class.

Compact dimensions

- > Width: only 690 mm.
- > Rear swing radius reduced to 735 mm.
- > Reduced rear overhang (240 mm) to work closer to a wall.
- > Dimensions of a micro-excavator of 300 kg, with the performance of a 600-kg machine.



Surprising performances for a machine in this weight class, the SV05-B can undertake work normally reserved for machines in a bigger class

- > Digging forces: 390 kgf (arm) and 690 kgf (bucket).
- > Digging depth: 1200 mm.

Advantages for the user

- > Possibility to work on sites where no other machines can operate, because of their weight and dimensions: renovation in individual houses, gardens, tunnels...
- > Possibility to go through the narrowest openings (700 mm).
- > Machine easy to use, even for non-experimented users.
- > Weight and dimensions allowing easy transport on a short trailer or in an utility vehicle.
- > Hook on the boom to lift the machine from one point only.



> HIGH PERFORMANCE

SV05-B



Working equipment

- > Working lamp.
- > Cylinder protection on boom.



- > Dual or single-action auxiliary circuit (PTO) to add various accessories (swivelling ditch cleaning buckets...).
- > Perfect protection of the flexible hoses and pipes on the arm and the bucket cylinders.

Yanmar Diesel engine, quiet and environmentally friendly

- > New generation of engine, cooled by water, 2 cylinders.
- > Powerful: 7.5 HP at 2000 rpm.
- > Low speed - increased life.
- > Fully compliant with European environment standard 97/68/EC and EPA American norms.





> COMFORT AND SAFETY

SV05-B

Ergonomic operating position

- > Separate pedals for the 3rd circuit (PTO) and boom swing.
- > Both pedals can be folded sideways to offer more space for the operator's feet.
- > Complete monitor with safety alarm.
- > Access to operating position on both sides.



Both pedals can be folded



Safety pin

Standard ROPS protective frame

- > Roll Over Protective Structure with safety belt.
- > Can be folded rearwards, without any specific tool, allowing the machine to travel under low overhead heights.
- > Easier maintenance and control due to a large steel bonnet opening.



Safety lever

Safety for the operator

- > Safety lever to lock the 4 main functions of the machine.
- > Safety bar on the front part of the machine.
- > Low centre of gravity for excellent stability.

> *RELIABILITY AND ACCESSIBILITY*

SV05-B



Strong protective devices

- > Centralised routing of flexible hoses to eliminate twisting problems.
- > Flexible hoses protected by external covers.



Easy access to maintenance points



Upper frame made from a single casting providing improved stability and greater durability





TECHNICAL SPECIFICATIONS

SV05-B

Engine

Yanmar Diesel 2 cylinders 2TE67L-XBV3
Rated Output 5.5 kw / 7.5 HP / 2000 rpm
Displacement 507 cm³
Max. torque 25.5 N.m. / 1800 rpm

Hydraulic circuit

System capacity 7.8 l
Max. pressure 170 bar
2 gear pumps 2 x 6.92 l/mn

Performances

Travelling speed 2.0 km/h
Swing speed 8 rpm
Digging force (arm / bucket) 390 / 690 kgf
Boom swing (L / R) 70° / 70°
Ground pressure 0.27 kg/cm²
Grade ability 25°
Shoe width 150 mm
Ground clearance 155 mm
Blade (width x height) 580 x 170 mm

Miscellaneous

Fuel tank 6 l
Cooling system 2 l
Transport dimensions (L x w x h) 2150 x 690 x 2080 mm
Noise level LwA (2000/14/EC & 2005/88/EC) 90 dBA

Optional equipment

- > Special paint
- > Standard bucket

- > Ditch cleaning bucket
- > Swivelling bucket

PTO	Theoretical data at 2000 rpm	
	Pressure	Oil flow
	170 bar	13.8 l/mn
	170 bar	13.8 l/mn

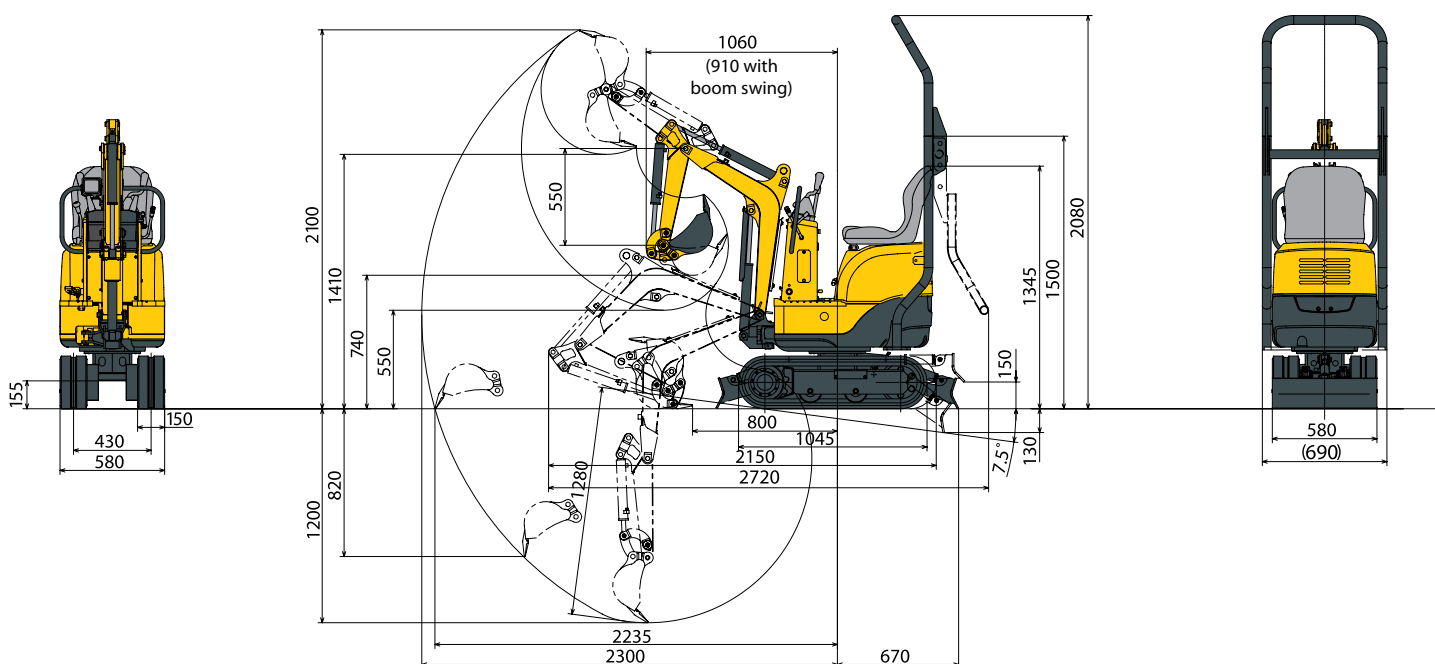
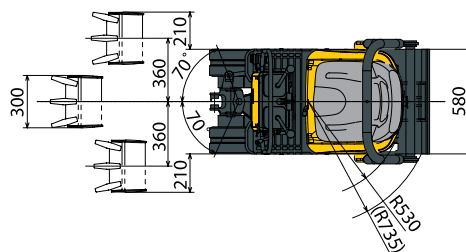
TECHNICAL SPECIFICATIONS

SV05-B



Operating weight $\pm 2\%$ (EC Norms):
 > 690 kg

Transport weight $\pm 2\%$ (EC Norms):
 > 615 kg



Subject to any technical modifications. Dimensions given in mm with standard Yanmar bucket.

Blade on ground

A	Maxi		1.5 m		Mini	
B						
1.5	70	*130	80	*120	-	-
1.0	50	*130	80	*140	100	*150
0.5	50	*140	80	*180	120	*310
0	50	*140	70	*200	140	*350
-0.5	70	*140	-	-	120	*230

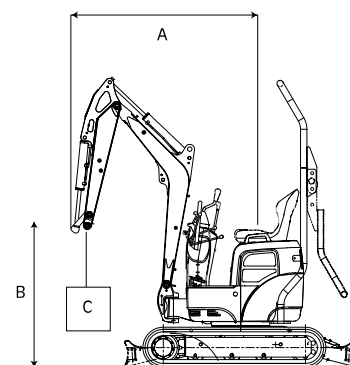
Blade above ground

A	Maxi		1.5 m		Mini	
B						
1.5	80	*130	80	*120	-	-
1.0	50	100	80	*140	100	*150
0.5	50	90	80	140	120	220
0	50	90	70	140	130	230
-0.5	60	120	-	-	110	200

The data contained in these tables represent the lifting capacity in accordance with ISO standard 10567. They don't include the weight of the bucket and correspond to 75% of the maximum static tipping load or 87% of the hydraulic lifting power. Data marked * are the hydraulic limits of the lifting power.

Machine with ROPS, rubber crawlers, without bucket.

A: Overhang from rotational axis (m).
 B: Height of hooking point (m).
 C: Safe working load (kg).



Tipping load, rating over front

Tipping load, rating over side 90°



Printed in France – Materials and specifications are subject to change from the manufacturer without notice. Please contact your local Yanmar Construction Equipment Europe dealer for further information.

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