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GBSV08-1_0106

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SV08-1

Micro-excavator

YANMAR

SV08-1
Operating weight : 1065 kg
Arm digging force : 650 kgf
Bucket digging force : 1100 kgf

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of the micro -e

Micro-excavator

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SV08-1

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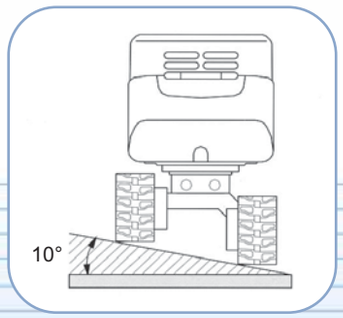
Compactness semi-ViO

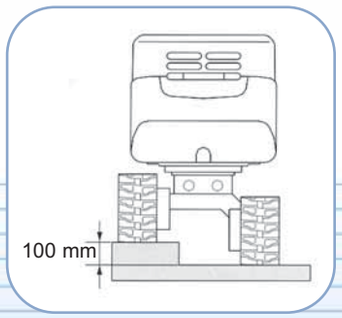
Variable undercarriage in height and width

- The SV08-1 adapts itself according to the space available, due to its variable width from 680 to 840 mm.
- Its height can also be adjusted from each side individually.

Retracted undercarriage to allow easier manoeuvre through obstacles

Extended undercarriage for better stability





Possibility to work on slopes or along footpath while keeping an optimum position

Compact dimensions

- Front swing radius with boom swing : 950 mm.
- Short rear swing radius : 725 mm.
- Extensions are permanently on the blade.
- No tools are necessary to install or uninstall them.
- Double lateral roller supports : less track wear and better stability.

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Width of the machine reduced to 730 mm

High performance

Working equipment

- Dual-action auxiliary circuit (PTO) to add various accessories (swivelling ditch cleaning buckets…).
- Pedal lock for use with manual hydraulic tools.
- Cylinder protection on boom.
- Perfect protection of the flexible hoses and pipes on the arm and the bucket cylinders.

Cylinder protection on boom

SV08-1

New generation of Yanmar TE engine, even more environmentally friendly and quieter

- Fully compliant with European environment standard 97/68/EC and American norms EPA Stage Nr.2.
- Low speed - increased life.
- High capacity air filter.
- Heavy duty battery.
- Quieter.

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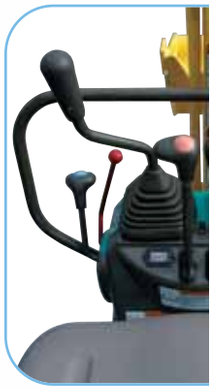
SV08-1

Comfort and safe

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.



Reliability and acc

Strong protective devices

- Centralised routing of flexible hoses to eliminate twisting problems.
- Flexible hoses protected by external covers.
- Hydraulic hoses to the swing motors protected by steel covers.

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safety

Standard ROPS protective frame

- Roll Over Protective Structure with safety belt.
- Can be folded rearwards, allowing the machine to travel under low overhead heights.
- Easier maintenance and control due to a large steel bonnet opening.

Safety for the operator

- Hook on the boom to lift the machine from one point only.
- Safety lever to lock the 4 main functions of the machine and access to operating position.
- Safety bar on the front part of the machine.
- Counterweight to protect the rear of the machine.

accessibility

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

TECHNICAL SPEC

Engine

Yanmar Diesel 2 cylinders	2TE67L-BV
Rated Output (DIN 6270B)	7.7 kw/10.5 HP/2400 rpm
Displacement	507 cm^3
Max. torque	31.5 N.m./1500 rpm

Hydraulic circuit

System capacity	10.7 l
Max. pressure	190 bar
2 gear pumps	2 x 9.8 l/mn

Performances

Travelling speed	2.0 km/h	Grade ability	30°
Swing speed	9 rpm	Shoe width	180 mm
Digging force (arm/bucket)	650/1100 kgf	Ground clearance	130/230 mm
Boom swing (L/R)	45°/90°	Blade (width x height)	680/840 x 180 mm
Ground pressure	0.29 kg/cm^2		

Miscellaneous

Fuel tank	10 l
Cooling system	2 l
Transport dimensions (L x w x h)	2600 x 840 x 1550 mm
Noise level LwA (2000/14/EC & 2005/88/EC)	90 dBA

Optional equipment

- Special paint
- Standard buckets
- Ditch cleaning buckets
- Swivelling buckets

PTO	Theoretical data	
	Pressure	2400 rpm
	0 ~ 190 bar	19.5 ~ 17.5 l/mn
	0 ~ 190 bar	19.5 ~ 17.5 l/mn

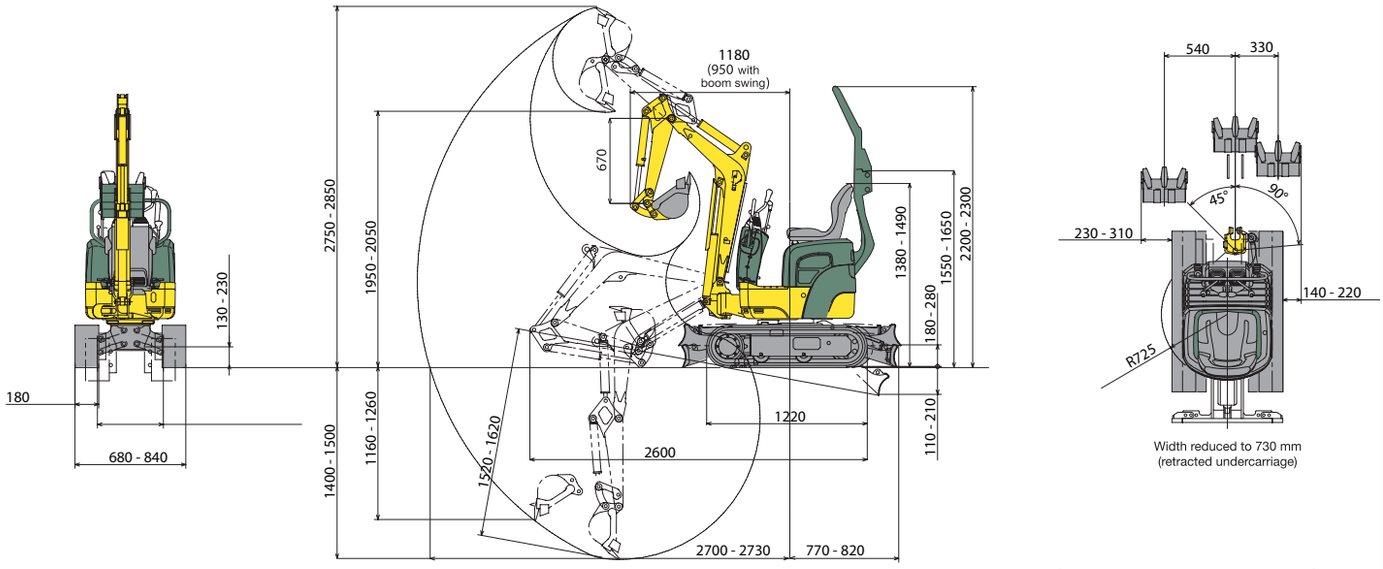
⚠ • The output reduces as the pressure increases.

IFICATIONS

SV08-1

Operating weight +-2% :

1065 kg



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

Blade on ground

A	Maxi			2.0 m			1.5 m			Mini			
B	N	W		N	W		N	W		N	W		
2.0	100	140	*230	-	-	-	-	-	-	-	-	-	C
1.5	70	90	*230	80	110	*230	130	180	*250	-	-	-	
1.0	60	80	*240	80	120	*280	130	170	*390	170	240	*550	
0.5	60	80	*260	80	110	*320	120	170	*490	160	200	*650	
0	70	90	*270	80	120	*340	130	170	*520	160	220	*670	
- 0.5	80	110	*280	90	120	*300	120	170	*460	240	300	*790	
- 1.0	140	200	*240	-	-	-	-	-	-	-	-	-	

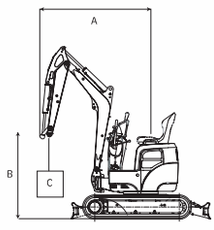
Blade above ground

A	Maxi			2.0 m			1.5 m			Mini			
B	N	W		N	W		N	W		N	W		
2.0	90	140	170	-	-	-	-	-	-	-	-	-	C
1.5	70	100	130	80	120	160	130	190	*250	-	-	-	
1.0	50	80	110	80	120	140	120	190	230	170	260	320	
0.5	50	80	110	70	110	110	120	180	230	150	220	290	
0	60	90	120	70	120	150	110	170	220	140	220	290	
- 0.5	70	110	150	70	110	150	110	170	240	190	310	430	
- 1.0	120	190	*240	-	-	-	-	-	-	-	-	-	

The data contained in these tables represent the lifting capacity in accordance with ISO standard 10567.
They 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 rubber crawlers, bucket of 16.5 kg (350 mm).

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



Tipping load, rating over front

Tipping load, rating over side 90°