YANMAR

ULTRA-MINI EXCAVATOR

# SV08-1C

[Gross] 7.7kW <10.3HP>




YANMAR
SV08

# SV08-1C

**Designed to work in confined spaces**



# BUILDING WITH YOU

The specifications and attachments may differ depending on the sales area / sales period.







**680mm**

Retracted undercarriage width (folded blade)

**840mm**

Extended undercarriage width (extended blade)

### Sliding Variable Undercarriage

The undercarriage retracts to 680mm to fit through narrow passages and extends to 840mm for stability while working.

## Simple Folding Extendable Blade

The hinged blade extensions are permanently fixed to the blade. No tools required to change the width of the blade. No risk of loosing the blade extensions.



**Remove the pin.**



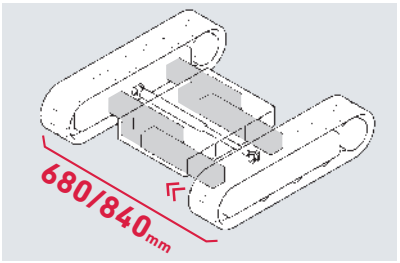
**Fold it.**



**Insert the pin to secure.**

## Robust Structure

YANMAR ORIGINAL




You can extend it independently with a separate lever. Robust structure prevents rattling. When the undercarriage is retracted, the soil is forcibly removed away.

# Excellent performance in a small package







**Ultra Small Turning Radius**

The super compact design features an ultra small turning radius of 725mm and keeps rear overhang to just 305mm. It ensures safe operation in confined spaces.

**Foldable ROPS* Bar**

Foldable ROPS bar minimizes the damage in case of an accident. Folds down to allow pass through height restricted passages.

**High Performance Engine**

High performance engine provides a powerful boost for tough works.

**Clean and Low-Noise**

Ultra-low noise design, friendly to people and the environment.

**Low and High Speed Traveling**

Save time by traveling faster around your job site.

* Roll-Over Protective Structure (ROPS): A structure to protect the operator wearing a seat belt, in case the machine rolls over.

# Easy maintenance and enhanced safety



Wide-open bonnet.



Bucket cylinder hose designed inside the arm.



The boom hose and cylinder are covered for protection.



The blade cylinder is protected with a special guard.

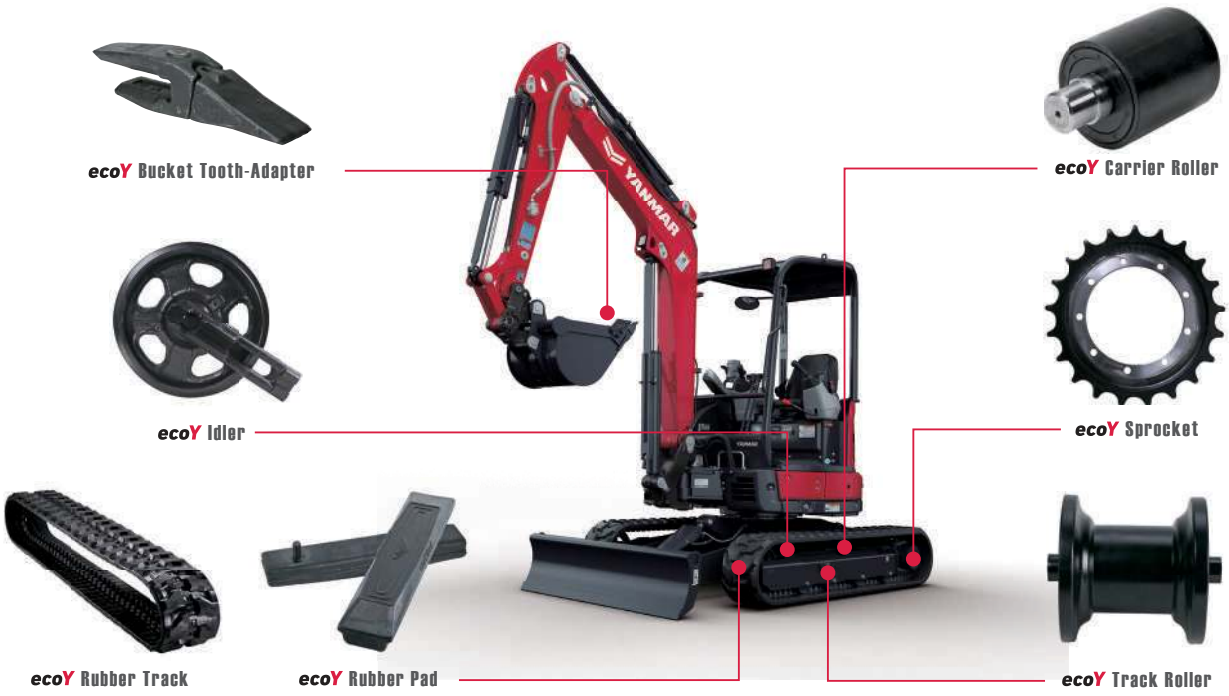


P.T.O. specification (boom end)

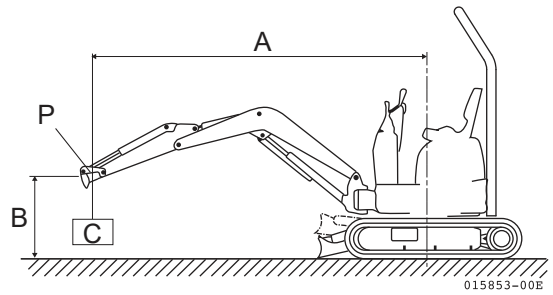
## YANMAR's recommended parts

**ecoY**
**GUARANTEED QUALITY & DURABILITY**

Watch the video



# Lifting Capacity




**With: ROPS bar and rubber track**
**Without: Bucket**

**A: Reach from swing center line [m (in.)]**
**B: Load point height [m (in.)]**
**C: Lifting load [kg (lbs.)]**
**P: Load point**
**: Rating over front**
**: Rating over side or 180 degrees**

Loads shown in table include weight of standard bucket [18kg (40lbs.)].

**Blade on ground [Track width : 840mm (extended)]**

Unit: kg (lbs.)

| A [m (in.)] | Max. | | 2.0 (78.7) | | 1.5 (59.1) | | Min. | |
|---|---|---|---|---|---|---|---|---|
| B [m (in.)] | | | | | | | | |
| 2.0 (78.7) | *220 (485) | – | – | – | – | – | – | – |
| 1.5 (59.1) | *220 (485) | – | *220 (485) | – | *270 (595) | – | – | – |
| 1.0 (39.4) | *230 (507) | – | *260 (573) | – | *350 (772) | – | *490 (1080) | – |
| 0.5 (19.7) | *240 (529) | – | *300 (662) | – | *470 (1036) | – | *590 (1301) | – |
| 0 (0) | *240 (529) | – | *320 (706) | – | *480 (1058) | – | *630 (1389) | – |
| -0.5 (-19.7) | *260 (573) | – | *280 (617) | – | *430 (948) | – | – | – |
| -1.0 (-39.4) | *230 (507) | – | – | – | – | – | – | – |

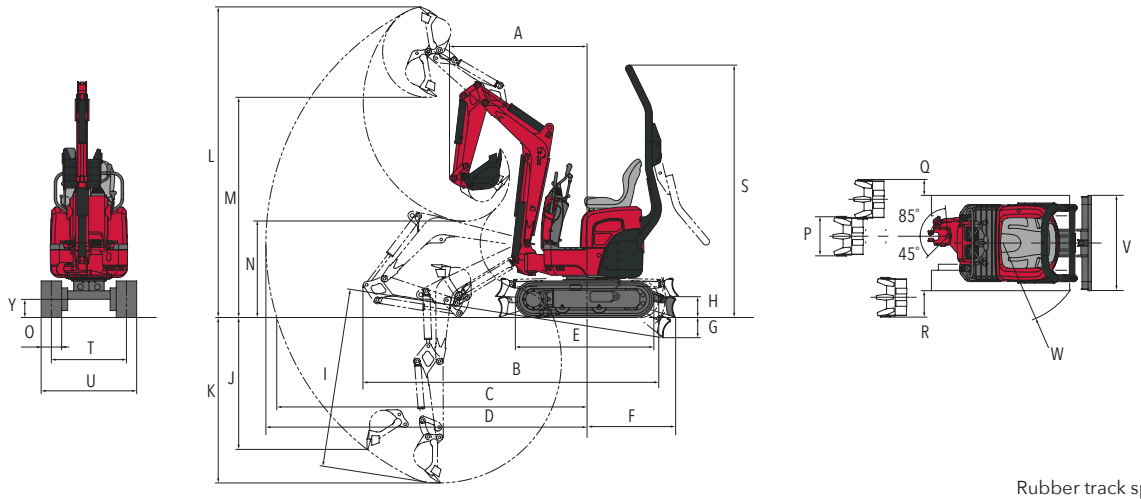
**Blade above ground [Track width : 840mm (extended)]**

Unit: kg (lbs.)

| A [m (in.)] | Max. | | 2.0 (78.7) | | 1.5 (59.1) | | Min. | |
|---|---|---|---|---|---|---|---|---|
| B [m (in.)] | | | | | | | | |
| 2.0 (78.7) | 190 (419) | 160 (353) | – | – | – | – | – | – |
| 1.5 (59.1) | 150 (331) | 120 (265) | 170 (375) | 150 (331) | *240 (529) | 200 (441) | – | – |
| 1.0 (39.4) | 130 (287) | 110 (243) | 170 (375) | 140 (309) | 280 (617) | 230 (507) | 380 (838) | 300 (662) |
| 0.5 (19.7) | 130 (287) | 100 (221) | 170 (375) | 130 (287) | 260 (573) | 210 (463) | 320 (706) | 260 (573) |
| 0 (0) | 140 (309) | 110 (243) | 170 (375) | 130 (287) | 260 (573) | 210 (463) | 340 (750) | 270 (595) |
| -0.5 (-19.7) | 170 (375) | 130 (287) | 160 (353) | 130 (287) | 270 (595) | 210 (463) | – | – |
| -1.0 (-39.4) | *230 (507) | *210 (463) | – | – | – | – | – | – |

Note:
The lifting load with the asterisk (*) mark is limited by hydraulic lifting capacity rather than tipping. The lifting capacity shown in the above list is based on the ISO Standard No. 10567 and represents either 87% of hydraulic lifting capacity or 75% of tipping load, which is smaller.

## ● Dimensions




Rubber track specification

Unit: mm (in.)

| | A <at boom swing> | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SV08-1C | 1210 (47.6) | 2600 | 2730 | 2830 | 1220 | 820 | 210 | 160 | 1590 | 1160 | 1460 | 2730 | 1940 | 850 | 180 | 350 | 140-220 | 230-310 | 2200 | 550-660 | 680-840 | 680-840 | 725 | 130 |
| ROPS bar | <985 (38.8)> | (102.4) | (107.5) | (111.4) | (48.0) | (32.3) | (8.3) | (6.3) | (62.6) | (45.7) | (57.5) | (107.5) | (76.4) | (33.5) | (7.1) | (13.8) | (5.5-8.7) | (9.1-12.2) | (86.6) | (21.7-25.6) | (26.8-33.1) | (26.8-33.1) | (28.5) | (5.1) |

## ●Specifications

| | | | | |
|---|---|---|---|---|
| MODEL | | | | SV08-1C |
| TYPE | | | | ROPS bar |
| | | | | Sliding variable undercarriage |
| WEIGHT | Operating weight | Rubber track | kg (lbs.) | 1035 (2282) |
| | | Steel track | kg (lbs.) | - |
| ENGINE | Type | | | Vertical 2-cylinder water-cooled diesel engine |
| | Model | | | 402J-05 IG84555R |
| | Rated output, gross | | kW (HP) / rpm | 7.7 (10.3) / 2400 |
| BUCKET | Capacity, standard | | cu.m (cu.ft) | 0.022 (0.777) |
| | Width, standard | | mm (in.) | 350 (13.8) |
| PERFORMANCE | Max. digging force | Bucket | kN (lbs.) | 10.5 (2360) |
| | | Arm | kN (lbs.) | 6.2 (1390) |
| | Max. digging depth <at the blade down> | | mm (in.) | 1460 (57.5)<br><1590 (62.6)> |
| | Max. vertical wall digging depth | | mm (in.) | 1160 (45.7) |
| | Max. cutting height | | mm (in.) | 2730 (107.5) |
| | Max. dumping height | | mm (in.) | 1940 (76.4) |
| | Max. digging radius of the ground | | mm (in.) | 2730 (107.5) |
| | Front min. swing radius <at swinging the boom> | | mm (in.) | 1210 (47.6)<br><985 (38.8)> |
| | Boom swing angle: left / right | | degrees | 45 / 85 |
| SPEED | Travel speed: high / low | Rubber track | km/h (mph) | 1.8 (1.12) / - |
| | | Steel track | km/h (mph) | - / - |
| | Swing speed | | rpm | 8.0 |
| GROUND PRESSURE | With standard track | Rubber track | kPa (PSI) | 28.8 (4.18) |
| | | Steel track | kPa (PSI) | - |
| TANK CAPACITY | Fuel tank | | L (gal) | 10.0 (2.64) |
| | Hydraulic oil tank | | L (gal) | 6.6 (1.74) |
| HYDRAULIC SYSTEM | Pump displacement | | L /min (gpm) | 9.8 (2.59)×2 <Gear pump> |
| | Relief set pressure | | MPa (PSI) | 18.1 (2625)×2 |
| | Max. P.T.O. output | | L /min (gpm) | 5.2 (19.6) |

All data are subject to change without notice. Note that the standard equipment may vary. Consult your YANMAR dealer for confirmation.

## YANMAR COMPACT EQUIPMENT

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