

INNOVATION LEADS TO VALUE



SUNWARD

# SWE50UF MINI-EXCAVATOR

◆ Total weight:5350kg    ◆ Engine power:29.7kW/2200rpm    ◆ Bucket capacity:0.14m<sup>3</sup>



## ◆ Comfortable and intelligent

The cab has a large field of vision, large space, and comfortable shock-absorbing seats; the 7-inch color touch screen can realize flow adjustment of crushing piping and attachment piping and intelligent control experience.

## ◆ Flexible construction

Zero-tail swing and boom deflection shall cope with the working conditions in narrow spaces. Side and corner operations can be successfully carried out, without frequent machine movement.

## ◆ Stable and reliable

There is a large undercarriage for higher stability. The machine can easily move on muddy roads through a large displacement travel motor.

## ◆ Convenient maintenance

Lubrication and maintenance can be completed in one posture. It is equipped with a full-open cover, easy to maintain.

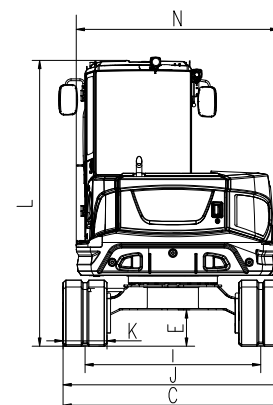
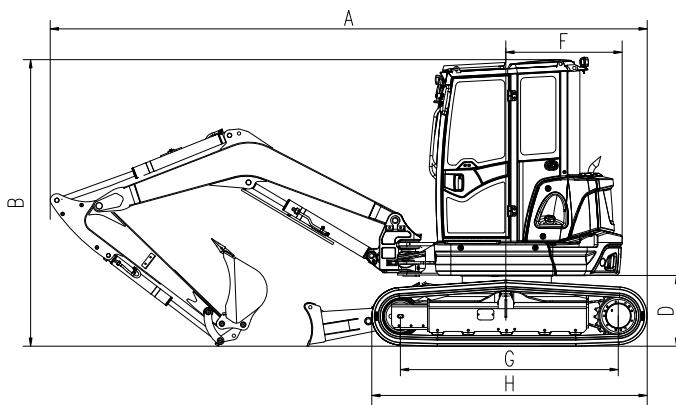
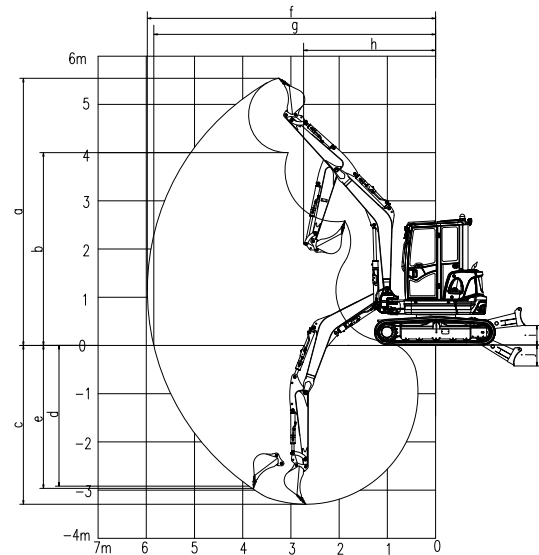


### Performance Parameters of Machine

|                            |                |                      |
|----------------------------|----------------|----------------------|
| Specification              |                |                      |
| Operating mass             | kg             | 5350                 |
| Bucket capacity            | m <sup>3</sup> | 0.14                 |
| Engine                     |                |                      |
| Brand                      |                | Kubota               |
| Model                      |                | D1803-T              |
| Rated power                | kW/rpm         | 29.7/2200            |
| Max. torque                | N·m/rpm        | 150/1500             |
| Displacement               | L              | 1.8                  |
| Hydraulic system           |                |                      |
| Type of primary pump       |                | Variable piston pump |
| Max. flow of primary pump  | L/min          | 110                  |
| System pressure            | Mpa            | 26                   |
| Type of pilot pump         |                | /                    |
| Max. pilot flow            | L/min          | 15                   |
| Pilot pressure             | Mpa            | 3.5                  |
| Performance                |                |                      |
| Swing speed                | rpm            | 10.7                 |
| Travel speed               | km/h           | 4.3/2.5              |
| Gradeability               | %              | 70                   |
| Ground pressure            | kPa            | 31                   |
| Oil tank capacity          |                |                      |
| Capacity of fuel tank      | L              | 70                   |
| Capacity of hydraulic tank | L              | 70                   |

### Working Range, Excavation Force

|   |                                    |    |       |
|---|------------------------------------|----|-------|
| a | Max. digging height                | mm | 5535  |
| b | Max. unloading height              | mm | 3955  |
| c | Max. digging depth                 | mm | 3375  |
| d | Digging depth (2.44 m, horizontal) | mm | 2920  |
| e | Max. vertical digging depth        | mm | 2965  |
| f | Max. digging reach                 | mm | 5940  |
| g | Max. ground digging reach          | mm | 5845  |
| h | Min. front swing radius            | mm | 2825  |
| i | Max. lift height of dozer blade    | mm | 400   |
| j | Max. digging depth of dozer blade  | mm | 436   |
|   | Allowable boom shift (left/right)  | °  | 64/47 |
|   | Excavation force of bucket         | kN | 34    |
|   | Digging force of arm               | kN | 23    |



### Appearance Dimension

|   |                                   |    |      |   |                                |    |      |
|---|-----------------------------------|----|------|---|--------------------------------|----|------|
|   | Boom length                       | mm | 2700 | G | Ground contact length of track | mm | 1985 |
|   | Arm length                        | mm | 1550 | H | Length of track                | mm | 2490 |
| A | Total length                      | mm | 5435 | I | Track gauge                    | mm | 1600 |
| B | Total height                      | mm | 2570 | J | Track width                    | mm | 2000 |
| C | Total width                       | mm | 2000 | K | Width of track link            | mm | 400  |
| D | Ground clearance of counterweight | mm | 640  | L | Max. height of machine         | mm | 2570 |
| E | Min. ground clearance             | mm | 330  | N | Width of turntable             | mm | 1845 |
| F | Tail swing radius                 | mm | 1050 |   |                                |    |      |

★The above parameters may be different due to product upgrading.

