

INNOVATION LEADS TO VALUE



# SWE 10FE

# ELECTRIC EXCAVATOR

◆ Total weight: 1.085 t

◆ Motor power: 5.5 kW

◆ Bucket capacity: 0.022 m<sup>3</sup>



- ◆ With an operating weight of only 1 ton and a body width of 750 mm, the machine features dozer blade folding, track extension and retraction, guard frame folding, and boom deflection, making it suitable for confined-space operations such as indoor, garden, farm, and greenhouse applications.
- ◆ Equipped with a customized lithium iron phosphate battery pack for high safety. Battery capacity of 12.888 kWh delivers an operating time of 4–6 hours per charge, meeting continuous operation requirements.
- ◆ A three-pump quantitative open-loop throttle system ensures superior controllability. Combined with a high-power three-phase asynchronous motor featuring electronic intelligent speed regulation, the machine delivers fast response and high energy conversion efficiency.

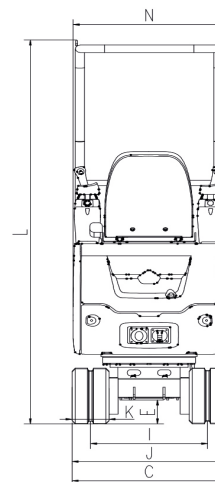
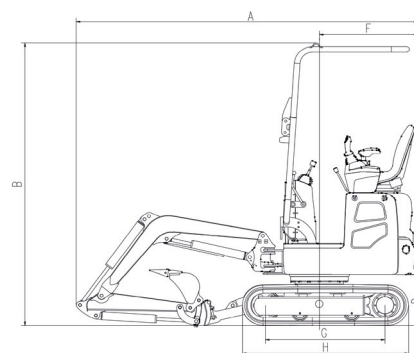
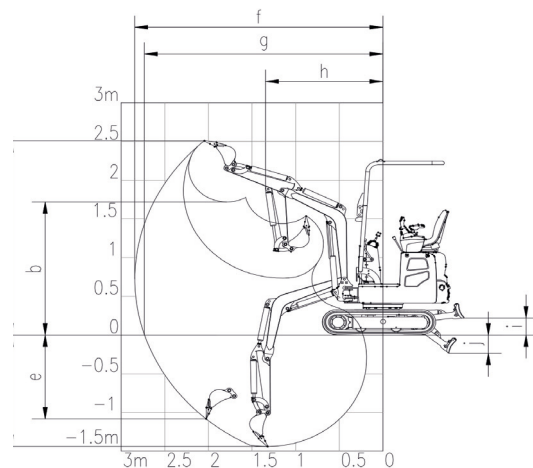


## Performance Parameters of Machine

|                            |                 |                        |           |
|----------------------------|-----------------|------------------------|-----------|
| Operating mass             |                 | t                      | 1.08      |
| Bucket capacity            |                 | m <sup>3</sup>         | 0.022     |
| Motor                      | Motor type      | Three-phase A.M        |           |
|                            | Rated power     | kW                     | 5.5       |
|                            | Rated torque    | N·m                    | 19.4      |
| Battery                    | Type            | Lithium iron phosphate |           |
|                            | Capacity        | kWh                    | 12.8      |
|                            | Voltage         | V                      | 72        |
|                            | Indicative time | h                      | 4 - 6     |
| Type of primary pump       |                 | Gear pump              |           |
| Max. flow of primary pump  |                 | L/min                  | 2 x 9.9   |
| System pressure            |                 | Mpa                    | 16        |
| Type of pilot pump         |                 | Gear pump              |           |
| Max. pilot flow            |                 | L/min                  | 9.9       |
| Pilot pressure             |                 | Mpa                    | 3.9       |
| Swing speed                |                 | rpm                    | 8.5       |
| Travel speed               |                 | km/h                   | 2.9 / 1.5 |
| Gradeability               |                 | %                      | 57.7      |
| Ground pressure            |                 | kPa                    | 24.5      |
| Capacity of hydraulic tank |                 | L                      | 10.7      |

## Working range

|                                  |                                   |    |         |
|----------------------------------|-----------------------------------|----|---------|
| a                                | Max. digging height               | mm | 2 505   |
| b                                | Max. unloading height             | mm | 1 720   |
| c                                | Max. digging depth                | mm | 1 440   |
| d                                | Digging depth(2.44 m, horizontal) | mm | /       |
| e                                | Max. vertical digging depth       | mm | 1 085   |
| f                                | Max. digging reach                | mm | 2 845   |
| g                                | Max. ground digging reach         | mm | 2 735   |
| h                                | Min. front swing radius           | mm | 1 350   |
| i                                | Max. lift height of dozer blade   | mm | 225     |
| j                                | Max. digging depth of dozer blade | mm | 225     |
| Allowable boom shift(left/right) |                                   | °  | 73 / 50 |
| Bucket digging force             |                                   | kN | 9.4     |
| Arm digging force                |                                   | kN | 5.8     |



## Outline dimensions

|             |                         |    |       |   |                                |    |             |
|-------------|-------------------------|----|-------|---|--------------------------------|----|-------------|
| Boom length |                         | mm | 1 350 | G | Ground contact length of track | mm | 975         |
| Arm length  |                         | mm | 700   | H | Length of track                | mm | 1 300       |
| A           | Total length            | mm | 2 675 | I | Track gauge                    | mm | 570 / 820   |
| B           | Total height            | mm | 2 275 | J | Track width                    | mm | 750 / 1 000 |
| C           | Total width             | mm | 750   | K | Width of track link            | mm | 180         |
| D           | Counterweight clearance | mm | 420   | L | Max. height of machine         | mm | 2275        |
| E           | Ground clearance        | mm | 130   | N | Uppercarriage width            | mm | 740         |
| F           | Tail swing radius       | mm | 775   |   |                                |    |             |

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

