

INNOVATION LEADS TO VALUE



SWE 20FE ELECTRIC EXCAVATOR

◆ Total weight: 1.92t

◆ Capacity of bucket: 0.035m³

◆ Motor: 10kW / 1600rpm

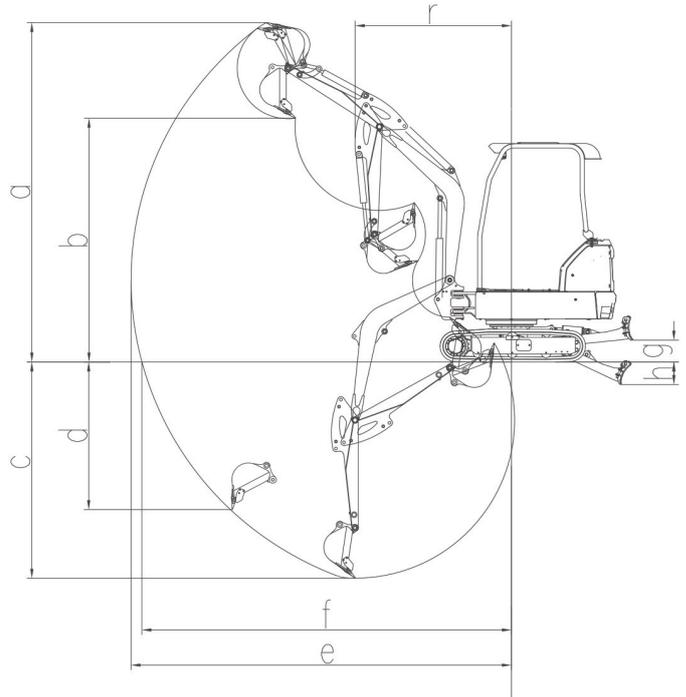


- ◆ Pure electric, safe and reliable: Three electric systems under famous domestic brands are used, namely, the lithium iron phosphate battery, high torque motor and electric drive, ensuring the safe and reliable operation of the equipment.
- ◆ With zero emission and super low noise, it specially suits for the enclosed spaces with high requirements for tail gas emissions and noise such as wells, tunnels and underground construction sites without ventilation facilities. It can also be used in the areas that are sensitive to noise and emissions, such as urban streets, hospitals and schools.
- ◆ Stable operation in areas with low temperature and high altitude. Lithium iron phosphate battery is used for energy storage, and motor is used to replace internal combustion engine to overcome the difficulties of starting oil engine at low temperature and instable power in high-altitude areas, so as to meet any special working conditions.
- ◆ Slow charging + fast charging + long service duration: It can be charged rapidly and directly charged with 220V voltage at home, featuring higher adaption. After fully charging the equipment, it can be used for 4-6 hours.
- ◆ Easy maintenance for higher profit: High and low pressures are separated, and the fuel and electricity are separated for convenient maintenance. The whole system has low maintenance cost, and the comprehensive use cost has been reduced by 70%.



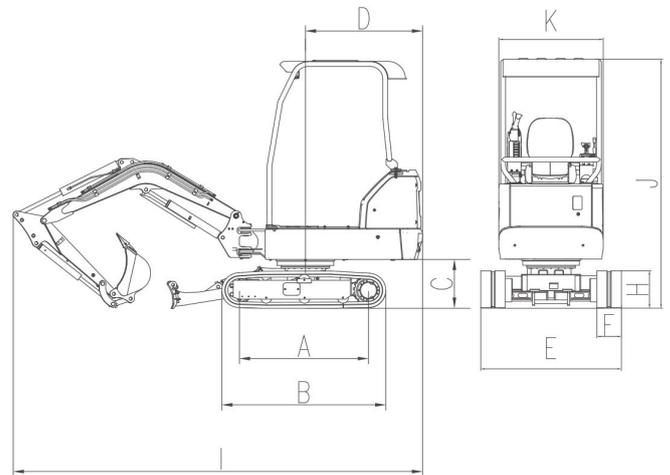
Parameters and performance of the main machine

| | | | |
|-------------------------------|-------------------|------------------------|------------------------|
| Dimension (L*W*H) | mm | 3 840 x 990 x 2 361 | |
| Overall weight | With rubber track | t | 1.92 |
| | With steel track | t | \ |
| Standard bucket capacity | m ³ | 0.035 | |
| Bucket digging ability | kN | 22.7 | |
| Digging force on arm | kN | 9.8 | |
| Max. traction | kN | 18.5 | |
| Deflection angle (boom) | ° | 47 °(Right) 65 °(Left) | |
| Travel speed (Max/Min) | km/h | 4.5 / 2.5 | |
| Gradeability | ° | 30 | |
| Ground pressure | kPa | 30 | |
| Slewing speed | rpm | 10 | |
| Engine | Battery Brand | | EIKTO |
| | LFP Battery | | YJT73.6V280AH |
| | Nominal voltage | V | 73.6 |
| | Nominal capacity | Ah | 280 |
| | Motor | kw | 10 |
| Electricity | Kwh | 20.6 | |
| Primary pump | Type | | 1 variable piston pump |
| | Flow rate | L/min | 50 |
| Pressure of main relief valve | MPa | 24.5 | |
| Hydraulic oil tank capacity | L | 20 | |



Working range

| | | | |
|---|-------------------------------------|----|-------------|
| | Arm length | mm | 1 150 |
| a | Max. digging height | mm | 3 770 |
| b | Max. dumping height | mm | 2 720 |
| c | Max. digging depth | mm | 2 380 |
| d | Max. vertical digging radius | mm | 1 870 |
| e | Max. digging radius | mm | 4 040 |
| f | Max. digging reach at ground level | mm | 3 945 |
| g | Max. lift height of the dozer blade | mm | 240 |
| h | Max. digging depth of dozer blade | mm | 240 |
| r | Min. swing radius | mm | 1 580 |
| | Bulldozer blade length x width | mm | 1 360 x 267 |



Outline dimensions

| | | | | | | | |
|---|------------------------------|----|-------------|---|--------------------------|----|-------|
| A | Wheel tread | mm | 1 210 | G | Chassis ground clearance | mm | 160 |
| B | Total track length | mm | 1 540 | H | Track height | mm | 352 |
| C | Ground clearance of platform | mm | 460 | I | Total length | mm | 3 840 |
| D | Platform tail slewing radius | mm | 1 110 | J | Cab roof height | mm | 2 361 |
| E | Chassis width | mm | 990 / 1 360 | K | Upper-structure width | mm | 990 |
| F | Track width | mm | 230 | | | | |

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

