

INNOVATION LEADS TO VALUE



SWE 20FED ELECTRIC EXCAVATOR

◆ Total weight: 1.92t

◆ Capacity of bucket: 0.035m³

◆ Motor: 10kW / 1 600rpm

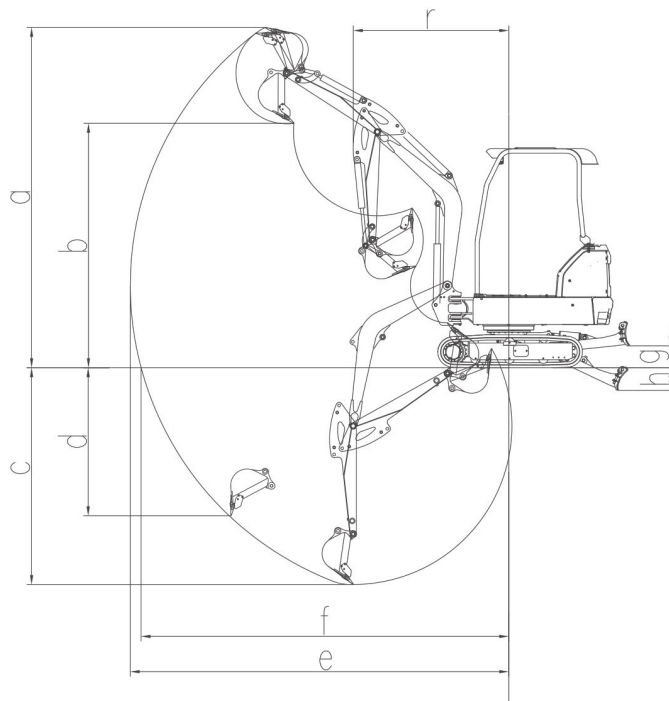


- ◆ Pure electric, safe and reliable: Three electric systems under famous domestic brands are used, namely, the lithium iron phosphate battery, high torque motor and electric drive, ensuring the safe and reliable operation of the equipment.
- ◆ With zero emission and super low noise, it specially suits 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%.



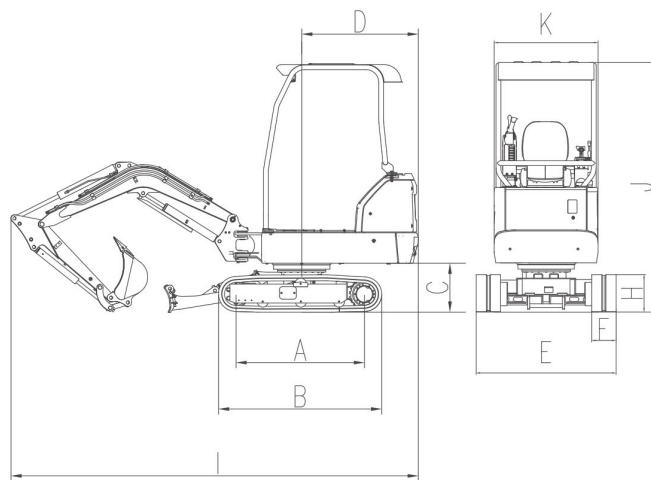
Parameters and performance of the main machine

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.

