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# XE19EV

PURE ELECTRIC HYDRAULIC EXCAVATOR



Operating weight 2150kg

Bucket capacity 0.04m<sup>3</sup>

Rated power 12kW





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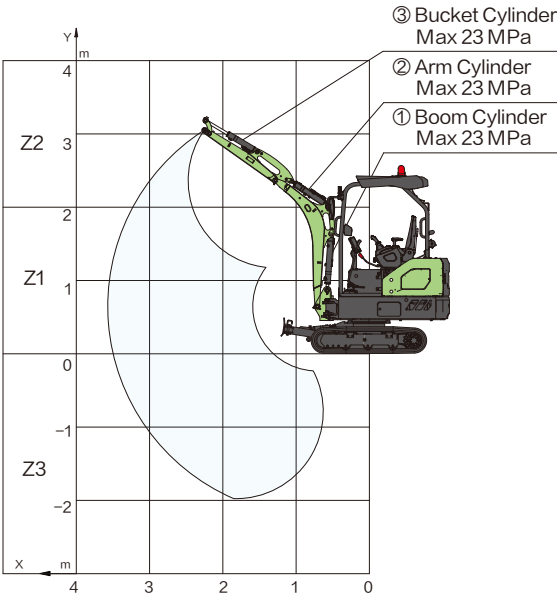
**Applications :** Widely used in food factories, wineries, interior demolition, landscaping, vegetable greenhouses.

**Features :** The excavator uses a 51.2 V low voltage platform and is equipped with a high-power motor rated at 12kW, and the peak can reach 25 kW. Upgraded track vibration reduction, double spare pipelines for fine flow adjustment.



Never attempt to lift or hold any load in excess of the rated lifting capacity at the specified lifting radius and height. The lifting point is located on the lifting eye of the arm (Bucket weight is not included), any additional attachment such as bucket should be deducted from the lifting weight. When determining the net lifting weight allowed for the machine, the weight of the slings and any auxiliary lifting devices must be deducted from the rated lifting capacity. Lifting capacity is based on the machine standing on firm and level ground. The operator should consider working conditions such as soft or uneven ground. Before operating the machine, the operator should familiarize himself with the safety procedures in the relevant manual.

kg												Dozer Blade up	
In travel direction				Against travel direction				Right angle to travel direction					
Y	1.5m			2.0m			2.5m			3.0m			m
Z2							*210	*210					
Z1				*240	*240		*220	*220	*260	*260	*210	*210	3.56
Z3	*540	*540		*370	*370		*260	*260	*250	*250			



Note 1 The lifting capacities in the table refer to the case where no external thrust intervention is included.

Note 2 Lifting capacities marked with an asterisk (\*) in the table are limited by hydraulic capacity and should not exceed 75% of the minimum tipping load or 87% of the hydraulic capacity.

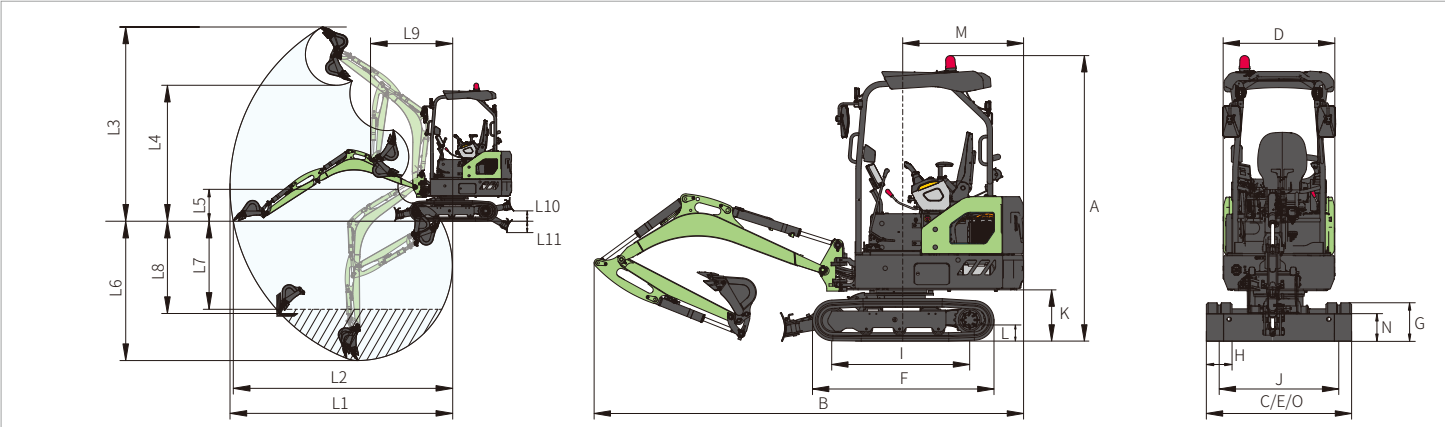
Note 3 The least stable position is on the side of the excavator.

Note 4 The lifting capacity table applies only to machines originally built and normally assembled by the manufacturer.

Note 5 The machine is rated for an operating mass of 2150 kg ( 4740 lb ), which includes 0.23 m ( 0.75 ft ) rubber tracks, a 1.81 m ( 5.94 ft ) boom, a 1.19 m ( 3.90 ft ) arm, a 220 kg ( 485 lb ) battery pack, all working fluids, and a 75 kg (165 lb) operator, exclusive of the bucket.

Note 6 Lifting capacity shall be in accordance with ISO 10567:2007.

Note 7 For all configurations of track specifications, the lifting capacity is kept within ± 5%.



Item contents	Unit	Parameters
Working range		
L1	Maximum digging reach	mm 4120
L2	Maximum digging reach at GRP	mm 4070
L3	Maximum digging height	mm 3620
L4	Maximum unloading height	mm 2560
L5	Minimum unloading height	mm 630
L6	Maximum digging depth	mm 2045
L7	8 ft. level floor digging depth	mm 2140
L8	Maximum vertical digging depth	mm 2580
L9	Minimum swing radius	mm 1520
L10	Maximum lifting height of dozer blade	mm 235
L11	Maximum cutting depth of dozer blade	mm 270
Boom deflection angle (left)		- 75°
Boom deflection angle (right)		- 60°

Item contents	Unit	Parameters
Dimensions		
A	Overall height	mm 2560
B	Overall length	mm 3860
C	Overall width (extended/retracted)	mm 990/1300
D	Upper structure width	mm 990
E	Chassis width (extended/retracted)	mm 990/1300
F	Track length	mm 1580
G	Track height	mm 346
H	Standard track shoe width	mm 230
I	Track wheelbase	mm 1230
J	Track gauge (extended/retracted)	mm 760/1070
K	Counterweight ground clearance	mm 457
L	Minimum ground clearance	mm 148
M	Tail swing radius	mm 1100
N	Dozer blade height	mm 250
O	Dozer blade width (unfolded/folded)	mm 990/1300

Item contents	Unit	Parameters
Operating weight	kg	2150
Engine		
Electric motor type	-	Permanent magnet synchronous motor
Rated power	kW	12
Maximum torque	N·m	110
Insulation class	-	H
Cooling method	-	Natural cooling

Battery pack		
Battery type	-	Lithium Iron Phosphate
Battery voltage	V	51.2
Battery capacity	kWh	23.5
Standard charging time	h	8.5
Fast charging time	h	2
Indicative runtime	h	3.5-5
Heating method	-	Heating film
Cooling method	-	Natural cooling

Track		
Standard track shoe width	mm	230
Number of track roller (per side)	-	3
Number of track carrier roller (per side)	-	2

Cab standard		
ISO 10262 : 1998 (OPG)	-	√
ISO 12117-2 : 2008 (ROPS)	-	√

Item contents	Unit	Parameters
Hydraulic system		
Main pump	-	One variable pump
Maximum flow rate of main system	L/min	64.4
Main system pressure	MPa	25.3
Pilot system pressure	MPa	3.5
Travel system pressure	MPa	25.3
Swing system pressure	MPa	11
Hydraulic oil tank capacity	L	18

Main performance		
Travel speed (high/low)	km/h	4.0/2.5
Swing speed	r/min	9
Maximum swing torque	kN·m	2
Gradeability	-	30° ( 58% )
Ground specific pressure	kPa	33
Bucket digging force (SAE)	kN	16
Arm digging force (SAE)	kN	10
Maximum traction force	kN	19

Standard		
Length of boom	mm	1810
Length of arm	mm	1190
Bucket capacity	m³	0.04 (Earthmoving bucket)

Optional		
Length of boom	mm	-
Length of arm	mm	-
Bucket capacity	m³	0.013/0.032 (Earthmoving bucket) 0.06 (Cleaning bucket)