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XE215EV

Electric Excavator



Operating weight 23500kg

Bucket capacity 1.05m³

Rated power 120kW

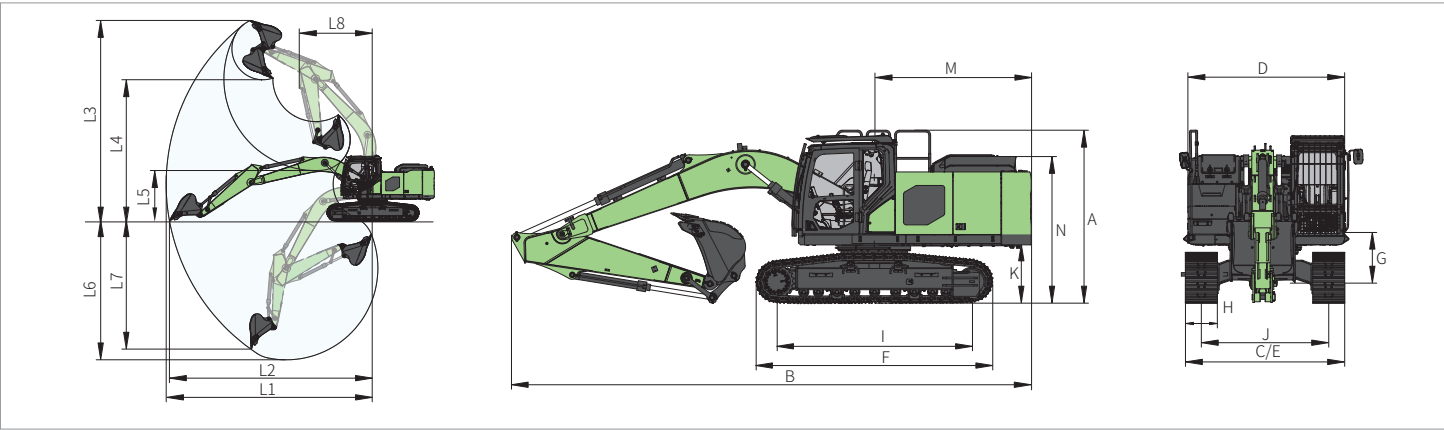


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Applications : Urban construction, mine construction, cargo yard loading and unloading, metal smelting and cleaning, tunnel construction.

Features : Using high-safety lithium iron phosphate batteries, IP67 protection components, permanent magnet synchronous motors, equipped with 10-inch touch screens and high-definition cameras, supporting multiple attachment modes and automatic lubrication, strengthening structural design to ensure efficient, stable, and low-cost operation.

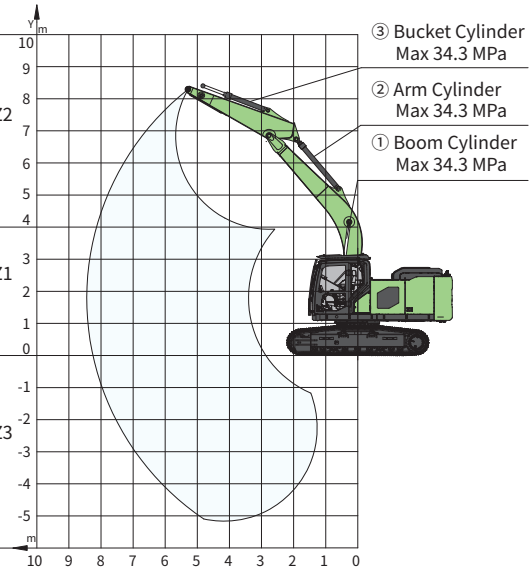


Item contents	Unit	Parameters
Working range		
L1 Maximum reach	mm	9940
L2 Maximum reach at GRP	mm	9800
L3 Maximum digging height	mm	9620
L4 Maximum unloading height	mm	6780
L5 Minimum unloading height	mm	2420
L6 Maximum vertical digging depth	mm	6145
L7 Maximum digging depth	mm	6680
L8 Minimum swing radius	mm	3530

Item contents	Unit	Parameters
Dimensions		
A Overall height	mm	3145
B Overall length	mm	9720
C Overall width	mm	2990
D Upper structure width	mm	2940
E Chassis width	mm	2990
F Track length	mm	4440
G Track height	mm	940
H Standard track shoe width	mm	600
I Track wheelbase	mm	3649
J Track gauge	mm	2390
K Counterweight ground clearance	mm	1100
L Minimum ground clearance	mm	490
M Tail swing radius	mm	2950
N Hood height	mm	2772

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 \ X	3.0m			4.5m			6.0m			7.5m			MAX		
															m
Z2				*4750	*4750		*4050	*4050		*4250	3450		*4250	2950	8.10
Z1				6850	6450		*5350	4350		*4650	3150		*4450	2650	8.40
Z3				*5550	*5550		*6250	*6250		*5650	4250		*5150	3150	8.00



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 23500 kg (51809 lb) when lifting. Included in this mass are 0.6m (1.97 ft) steel crawler, 5.68 m (18.64 ft) boom, 2.91m (9.55 ft) arm, 1600kg (3527 lb) counterweight, 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 $\pm 5\%$.

Item contents	Unit	Parameters
Operating weight	kg	23500
Engine		
Electric motor type	-	Permanent magnet motor
Rated power/rpm	kW/rpm	120/1895
Protection class	-	IP68
Insulation class	-	H
Cooling method	-	Liquid cooling

Battery pack		
Battery type	-	Lithium iron phosphate
Battery voltage	V	618
Battery capacity	kWh	422.87
Fast charging time	h	1.5
Fast charging power	W	247200
Heating method	-	Hydrothermal
Cooling method	-	Liquid cooling

Track		
Standard track shoe width	mm	600
Number of track shoes (per side)	-	49
Number of track roller (per side)	-	9
Number of track carrier roller (per side)	-	2

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

Item contents	Unit	Parameters
Hydraulic system		
Main pump	-	Two variable pumps
Pilot pump	-	Gear pump
Maximum flow rate of main system	L/min	2 × 216
Main system pressure	MPa	34.3
Main system pressure (power-max pressure)	MPa	37
Pilot system pressure	MPa	3.9
Travel system pressure	MPa	34.3
Swing system pressure	MPa	28
Hydraulic oil tank capacity	L	150

Main performance		
Travel speed (high/low)	km/h	5.4/3.3
Swing speed	r/min	12
Maximum swing torque	kN·m	70
Gradeability	-	35° (70%)
Ground specific pressure	kPa	46.2
Bucket digging force (SAE)	kN	149
Arm digging force (SAE)	kN	111
Maximum traction force	kN	200

Standard		
Length of boom	mm	5680
Length of arm	mm	2910
Bucket capacity	m ³	1.05 (Reinforced bucket)

Optional		
Length of boom	mm	-
Length of arm	mm	-
Bucket capacity	m ³	1.2 (Earthmoving bucket)