



# ETEC E250LC

**ELECTRIC CRAWLER EXCAVATOR >**



Engine	Liquid-cooled permanent magnet motor
Power	120 kW
Operating weight	26,6 t - 27,8 t
Lithium iron phosphate (LFP) battery box	420 kWh / 525 kWh
Operating time (indication)	9 uur / 12 hours
Charging time AC 380V 63A/32A	Min. 9 / 18 hours
Charging time DC fast charging	Min. 2,5 hours



 LARGEST OPERATING RADIUS

 IN-HOUSE PRODUCTION

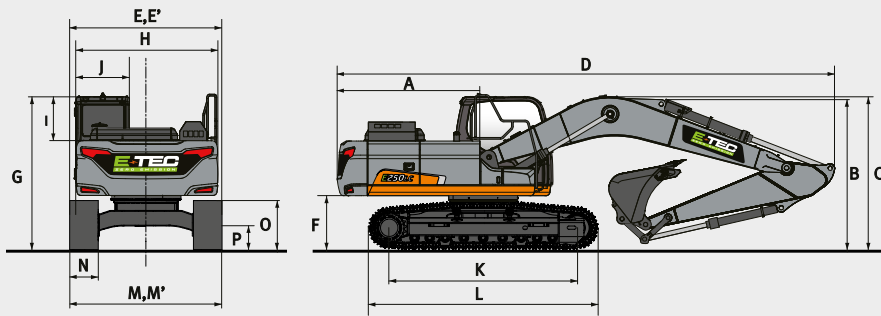
 INCLUDING THE SAFE 'LFP' BATTERIES

 IN COMPLIANCE WITH THE HIGHEST SAFETY STANDARDS

[www.etc.nl](http://www.etc.nl)

# ETEC E250LC

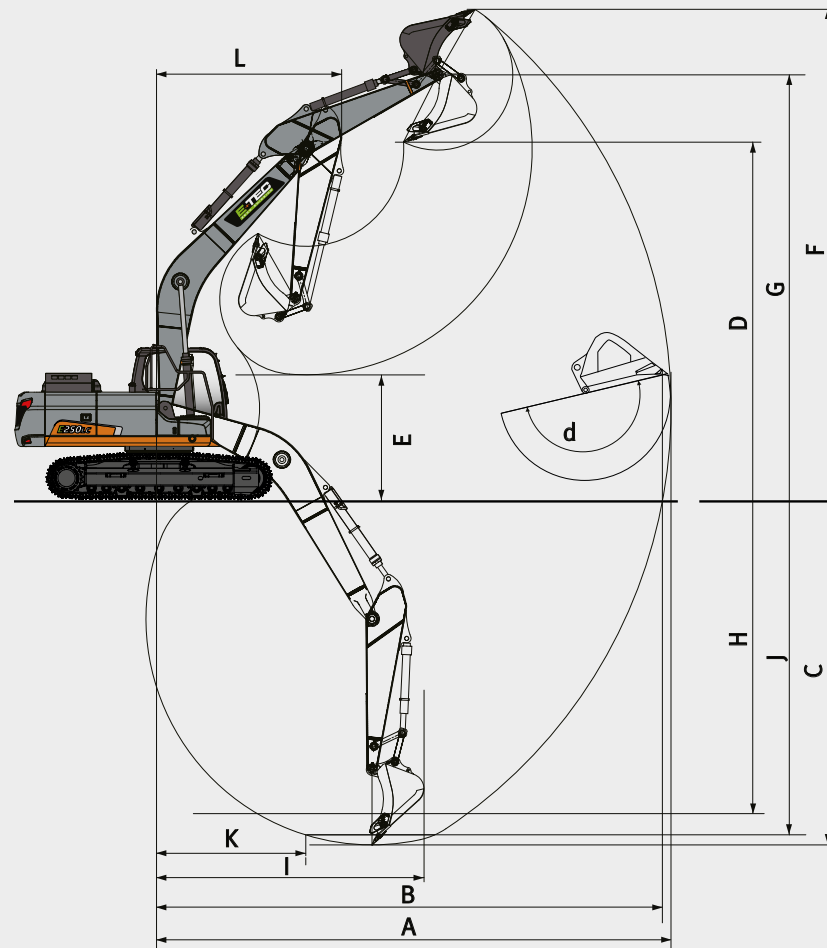
ELECTRIC CRAWLER EXCAVATOR >



## DIMENSIONS

	Machine	Monoboomb			Articulated boom	
		5700			5850	
Length of boom	mm	5700			5850	
Length of arm	mm	2400	2900	3500	2400	2900
Length of digging bucket	m³	1,05	0,92	0,81	0,92	0,81
A Rear swing radius	mm	3154	3154	3154	3154	3154
B Transport height (boom)	mm	2940	2890	3110	3073	3054
C Transport height (hose)	mm	3105	3005	3305	3073	3054
D Transport length	mm	9845	9815	9855	10005	9985
E Transport width	mm	2990	2990	2990	2990	2990
F Ground clearance (counterweight)	mm	1092	1092	1092	1092	1092
G Height to top of cab	mm	2980	2980	2980	2980	2980
H Upper structure width	mm	2710	2710	2710	2710	2710
I Cab height above upper structure	mm	840	840	840	840	840
J Cab width	mm	1010	1010	1010	1010	1010
K Wheelbase	mm	3650	3650	3650	3650	3650
L Track length	mm	4445	4445	4445	4445	4445
M Standard track shoe width	mm	2990	2990	2990	2990	2990
N Track gauge	mm	600	600	600	600	600
O Track height	mm	945	945	945	945	945
P Ground clearance *	mm	450,5	450,5	450,5	450,5	450,5

\*: without ribs



## WORKING RANGE

	Machine	Monoboomb			Articulated boom	
		5700			5850	
Lengthe giek	mm	5700			5850	
Boom length	mm	2400	2900	3500	2400	2900
Arm length	m³	1,05	0,92	0,81	0,92	0,81
A Max. bucket capacity	mm	9460	9865	10385	9710	10150
B Max. digging reach (below ground level)	mm	9280	9695	10220	9535	9983
C Max. digging depth	mm	6105	6590	7210	5980	6465
D Max. loading height	mm	6675	6830	6960	8105	8430
E Min. digging height	mm	2985	2500	1870	3995	3390
F Max. graafhoogte	mm	9425	9620	9635	11010	11325
G Max. height of the bucket pin	mm	8130	8270	8415	9555	9885
H Max. depth of vertical wall	mm	5385	5525	5995	4975	5370
I Max. vertical radius	mm	6025	6415	6740	6355	6620
J Max. digging depth (at 2440 mm level)	mm	5890	6395	7030	5860	6355
K Min. radius at 2440 mm level	mm	2840	2820	2790	1710	1710
L Min. swing radius	mm	3575	3560	3615	2790	2635
d Bucket angle	°	177	177	177	177	177

## HYDRAULIC SYSTEM

The latest technology that sets the new standard in our industry: the exclusive ECO power system for increased productivity combined with lower energy consumption. A pump with pressure control, closed-center main control valve, and 9 sensors to electronically control the required amount of hydraulic oil for the job (rather than continuously pumping a fixed amount of oil through the system). This saves energy! The engine power is adjusted to the required hydraulic flow rate. This way, the system works more efficiently, making the machine more productive and faster while consuming less energy. Better feedback through the controls provides the user with unprecedented comfort and gives them much more control over the machine.

- Cross-sensing and energy-saving pump system;
- Automatic system for lower electromotor speed;
- Control of the flow and pressure of the auxiliary hydraulics from the control panel;
- Computer-assisted control of the pump flow rate.

### Main pumps

Two axial piston pumps with variable stroke. Maximum flow rate at 1800 rpm 2 x 210.6 l/min.

### Auxiliary pump

Gear pump. Maximum flow rate at 1800 rpm. 27 l/min.

### Relief valve setting

Attachment	350 kgf / cm²
Traveling	370 kgf / cm²
Swing	270 kgf / cm²
Steering	40 kgf / cm²

### Hydraulic cylinders

All cylinders are equipped with a shock-absorbing mechanism to ensure smooth operation and longer piston life.

Number of cylinders	Number	Bore x rod diameter x stroke (mm)
Boom	2	125 x 85 x 1263
Arm	1	140 x 100 x 1443
Bucket	1	125 x 85 x 1060
Arm, articulated boom	1	150 x 100 x 1300
Arm, articulated boom	1	140 x 100 x 1450

## BEST WORK ENVIRONMENT

The E250LC is designed with the best possible work conditions in mind. The advanced and highly modern ROPS cabin is ISO certified and has pressure control for your safety. A high-quality, heated seat (optionally with seat cooling) with air suspension provides maximum comfort to the operator.

## DOOSAN SMART TOUCH

You can easily navigate through the different menus on the wide 8-inch touchscreen, for example for power settings and setting the auxiliary hydraulics. There is also a Bluetooth connection so you can listen to your favorite radio station.

